

# **APPENDIX J**

**Phase I Environmental Site Assessment**

**Post-Excavation Soil Gas Survey**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT**  
**ASTM Standard E 1527-13**



**PEDRICK ROAD PROPERTY**  
**APNs 0111-080-050 and 0111-040-010, -020, -030 and -040**  
**8405 Pedrick Road**  
**Dixon, Solano County, California**

*Brusca Project No. 347-001*

Prepared for: **5G Consulting Group, LLC**

September 30, 2020





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- Plate 1 - Vicinity Map
- Plate 2 - Site Map
- Plate 3 - Detail Map of Former Mistler Farm Facility Area

- Appendix A – Photographs
- Appendix B – User Questionnaire
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- Appendix D – Agency Listings Database Report (EDR)
- Appendix E – Additional Information



## EXECUTIVE SUMMARY

### General

Brusca Associates, Inc. has prepared this *Phase I Environmental Site Assessment* of the subject property in general accordance with ASTM Standard E 1527-13. Our assessment has been performed to determine if the potential exists for significant site contamination from either on- or off-site sources for the purpose of identifying any *recognized environmental conditions* in connection with the subject property. We understand that this report will be used for environmental due diligence purposes related to a commercial real estate transaction involving the subject property.

The approximate 257-acre subject property is comprised of five contiguous parcels situated westerly of Pedrick Road and southerly of Interstate 80 in Dixon, Solano County, California. The subject property is addressed as 8405 Pedrick Road and is identified by the Solano County Assessor's Office as parcel numbers (APNs) 0111-080-050 and 0111-040-010, -020, -030 and -040. The property is bordered to the east by Pedrick Road, to the north by Interstate 80 and vacant farmland, to the west by vacant farmland and a recently-excavated stormwater basin, and to the south by vacant land, an orchard, and commercial properties (mostly trucking yards).

### Site Description

The subject site currently is vacant/undeveloped and mostly comprised of farmland. At the time of our recent reconnaissance, the property was farmed mostly in row crops. Irrigation canals are located throughout the property. An irrigation water well (identified as DW-8) is located near the southwesterly corner of the property, and multiple irrigation water control features (valves, control boxes, standpipes, etc.) are situated along the westerly margin of the property. A rectangular, approximate seven-acre area within the northwesterly portion of the property is vacant and is not subject to farming; this area is situated about 1,600 feet westerly of Pedrick Road and is the former location of the Mistler Farm facility. The former farm facility area generally is currently unused, except for the storage of beehive boxes and occasional storage of hay. Four groundwater monitoring wells were observed along the southerly margin of the farm facility; it is indicated that these monitoring wells are associated with past investigation of a petroleum hydrocarbon release attributable to a former 10,000-gallon diesel above-ground storage tank (AST) that was used in this area.

### Site History

Our historical research indicates that the vast majority of the subject property has never been significantly developed and has been used exclusively for farming (predominantly row crops). As early as the 1930s, two rural residences were situated within the northwesterly property area and one residence was situated within the northeasterly property area. By the 1970s, a farm facility (former Mistler Farm/Mistler Trucking) had been constructed within an approximate seven-acre area on the northwesterly portion of the property; the farm facility included multiple structures and a yard area. Additionally, the far westerly portion of the Mistler Farm facility was used as an unpermitted landfill. By the mid-1980s, an equipment repair garage had been constructed within the central portion of the farm facility and much of the seven-acre facility was subject to equipment, vehicles, and materials storage. It is indicated that ASTs were used at the farm facility, including a 10,000-gallon diesel AST.



The former Mistler Farm facility apparently was razed in the early 2000s, and that area has since generally been unused (except for storage of beehive boxes and occasional storage of hay). Over the years, the portions of the subject property outside of the farm facility and former rural residences have continued to remain vacant farmland used predominantly for row crops.

### **Onsite Abandoned Landfill**

It is indicated that an open pit was excavated within the far westerly portion of the former Mistler Farm facility on the subject property around the early 1970s, and that various wastes (presumably generated at the farm facility) were disposed/landfilled in the pit. Currently, ground surfaces within portions of the former landfill area are depressed up to about three feet with respect to surrounding grades, possibly due to settlement of landfilled materials.

In 2005, Conestoga-Rovers & Associates (CRA) performed subsurface investigation in the area of the abandoned landfill at the site. The CRA investigation included the excavation of exploratory trenches in the landfill and collection of a limited number of waste samples for laboratory analysis. CRA collected two samples of waste materials from the test pits for laboratory analysis; based on the analytical results, CRA suggested that the landfilled materials would be considered “nonhazardous waste”. In 2015, Tremaine & Associates Inc. (Tremaine) prepared a Remedial Action Plan (RAP) for the abandoned landfill at the subject site. The RAP included a description of proposed methods and guidelines for excavation, sorting, and segregation of the landfilled wastes, and plans for onsite recycling and off-site disposal of the wastes.

Our review of the past investigative work by CRA and Tremaine pertaining to the onsite abandoned landfill indicates that the data from those investigations generally are not sufficient to evaluate potential environmental impacts attributable to the landfill or to develop reasonable cost estimates for official regulatory landfill closure. Notable data gaps included lack of data to evaluate proper disposal methods for the wastes, and the lack of data to evaluate whether the landfilled wastes resulted in underlying soil impact, groundwater impact, and/or soil gas impact (i.e. landfill gases such as methane). We understand that a “clean closure” process for the abandoned landfill would be desired; that process includes complete removal of the landfilled wastes for offsite disposal at an appropriate regulated landfill facility such that there are no continuing obligations for landfill management, monitoring, or inspections. To obtain additional information regarding subsurface conditions in the area of the abandoned landfill, our firm recently performed a *Site Investigation* of that area concurrent with preparation of this *Phase I Environmental Site Assessment*. Our recent testing of the waste materials indicates that most or all of the landfilled materials may be characterized as a California hazardous waste for disposal purposes. Based on our observations and data pertaining to the waste materials, it is our opinion that it likely would not be practical, feasible, or desirable to attempt to segregate and reuse the landfilled wastes. The results of testing native soils underlying the landfill and groundwater beneath and near the landfill do not indicate significant impact conditions. Volatile organic compounds (VOCs) were detected in soil gas samples collected from the area of the landfill; however, the data suggest that these conditions potentially could be mitigated via removal of the landfilled wastes and excluding future residential and other sensitive use from the affected area.

Our recent discussions with representatives of the Solano County Department of Resource Management (SCDRM) indicate that, despite the cessation of the County’s site mitigation program,



the SCDRM remains the Local Enforcement Agency (LEA) for oversight of landfills within Solano County per the provisions of California Code of Regulations Title 27. As such it is our understanding that the SCDRM would oversee the official landfill closure process, with guidance and input from CalRecycle (formerly the California Integrated Waste Management Board) and possibly other State regulatory agencies, such as the Central Valley Regional Water Quality Control Board (CVRWQCB). Our recent investigative work with respect to the abandoned landfill at the subject site was performed for environmental due diligence purposes, in part to develop information to consider potential future costs for clean closure of the landfill. Our work did not include official engagement of the appropriate regulatory agencies for the closure process. To initiate the clean closure process, the LEA (the SCDRM) should be officially engaged for closure oversight. Considering the additional data obtained during our investigation of the abandoned landfill area, preparation of an updated RAP and/or a Clean Closure Plan for official landfill closure would appear to be in order.

Due to the identified contaminant conditions and the open regulatory agency status, the abandoned landfill at the subject site is considered a *recognized environmental condition*.

### **10,000-Gallon Diesel AST Petroleum Hydrocarbon Impact Investigations and Remediation**

In 2005, subsurface investigation performed by CRA in the area of a former 10,000-gallon diesel AST within the former Mistler Farm facility at the subject property identified diesel impact to soil and groundwater. Subsequently, remedial soil excavation was performed in this area in 2006 extending to a depth of about 20 feet. Additionally, groundwater monitoring wells were installed in the area of the AST and were sampled/tested over a period of time. Following the remedial and monitoring activities, CRA concluded that the limited remaining residual petroleum hydrocarbons in the subsurface attributable to historical releases from the AST did not represent a significant threat to human health or the environment. In 2011 CRA prepared a No Further Action (NFA) Request report for the AST petroleum hydrocarbon contamination case and submitted the NFA request to the local regulatory oversight agency (the SCDRM) for review. It is indicated that the SCDRM did not provide official approval of the NFA request; however, the SCDRM prepared a letter in 2019 indicating that the SCDRM was discontinuing its site mitigation program and that active cases were being transferred to the CVRWQCB. The CVRWQCB recently reviewed the case files related to the AST release and cleanup and determined that further environmental work related to the release is not necessary, other than the proper destruction of the groundwater monitoring wells at the site. As such, the onsite petroleum hydrocarbon contamination case associated with the former 10,000-gallon diesel AST is considered a *historical recognized environmental condition*, assuming that the groundwater monitoring wells will be properly removed.

### **Former Mistler Farm Facility Area**

A *Phase I Environmental Site Assessment* of the subject property prepared in 2001 identified surface staining in various areas where chemicals, waste oils, and fuels were stored within the former Mistler Farm facility at the subject property and identified those conditions as a *recognized environmental condition*. Our research has not identified follow-up sampling to evaluate that concern, other than the mentioned investigations in the area of the former 10,000-gallon diesel AST. To evaluate this *recognized environmental condition* identified in the 2001 Phase I report, our firm recently performed a *Site Investigation* in the area of the former Mistler Farm facility concurrent with preparation of this



*Phase I Environmental Site Assessment.* The primary purpose of our recent site investigation was to evaluate whether surface soils in the area of the farm facility contain elevated concentrations of contaminants, including petroleum hydrocarbons, metals, and pesticides. We performed surface soil sampling at numerous locations throughout the approximate seven-acre former Mistler Farm facility. Additionally, we advanced a boring generally within the central portion of the former farm facility (in the area of the previous equipment repair garage) for collection of a groundwater sample for laboratory analysis.

None of the surface soil samples recently collected by our firm in the former farm facility area contained elevated concentrations of petroleum hydrocarbons, metals, or chlorinated pesticides, except that one sample contained a slightly elevated concentration of diesel-range petroleum hydrocarbons and one sample contained a slightly elevated concentration of lead with respect to residential screening values (although the detected concentrations do not exceed the commercial/industrial screening values). Considering the very limited occurrences of slightly elevated concentrations of diesel and lead in surface soils, these conditions would not appear to represent a significant environmental concern, particularly if the former farm facility area is not subject to future residential redevelopment.

The groundwater sample collected beneath the area of the former farm facility did not contain the tested analytes at concentrations above California drinking water Maximum Contaminant Level (MCL) values, except for slightly elevated concentrations of nitrates and total dissolved solids (TDS). The slightly elevated concentrations of nitrates and TDS detected in groundwater beneath the former farm facility likely would not be a significant concern, provided that future drinking water wells are not installed in that area.

The groundwater sample collected beneath the area of the former farm facility also contained a detectible concentration of diesel-range petroleum hydrocarbons. The source of the diesel detected in groundwater is undetermined; however, it may be attributable to past activities at the former onsite equipment garage or related to the known release associated with the former 10,000-gallon diesel AST at the site. Considering the lack of elevated VOCs in the groundwater sample and the lack of nearby potential groundwater receptors (i.e. drinking water wells), the fairly low concentration of diesel detected in groundwater at this location would not appear to be a significant exposure risk, assuming that future drinking water wells are not installed in that area. Nonetheless, the full extent and nature of the diesel groundwater impact were not determined by our investigation; further assessment of the apparent diesel impact conditions could be performed if desired.

The minor soil and groundwater impacts detected in the area of the former onsite Mistler Farm facility are considered *de minimis conditions*, provided that the former farm facility area is not subject to residential or other sensitive uses, and that drinking water wells are not installed in that area.

In consideration of the environmental condition of the property, please refer to the information contained in the remainder of this report.



September 30, 2020

5G Consulting Group, LLC  
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**PHASE I ENVIRONMENTAL SITE ASSESSMENT  
PEDRICK ROAD PROPERTY**  
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8405 Pedrick Road  
Dixon, Solano County, California  
*Brusca Project No. 347-001*

## **1.0 INTRODUCTION**

Brusca Associates, Inc. has completed this *Phase I Environmental Site Assessment* of the subject property at the request of 5G Consulting Group, LLC. The approximate 257-acre subject property is comprised of five contiguous parcels situated westerly of Pedrick Road and southerly of Interstate 80 in Dixon, Solano County, California. The subject property is addressed as 8405 Pedrick Road and is identified by the Solano County Assessor's Office as parcel numbers (APNs) 0111-080-050 and 0111-040-010, -020, -030 and -040. The subject site currently is vacant/undeveloped and mostly comprised of farmland planted in row crops.

We understand that this report will be used for environmental due diligence purposes related to a commercial real estate transaction involving the subject property. This *Phase I Environmental Site Assessment* has been performed in general accord with the scope and limitations of the 2013 American Society for Testing and Materials (ASTM) *Standard Practice for Phase I Environmental Site Assessments Process* (E 1527-13).

### **1.1 PURPOSE AND KEY DEFINITIONS**

The purpose of our assessment has been to identify any *recognized environmental conditions* in connection with the subject property to determine if the potential exists for significant site contamination from either on- or off-site sources. A *recognized environmental condition* is defined in the referenced standard as:

*“the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.” A de minimis condition is defined as “a condition that generally does not present a threat to human health or the environment and that*





*generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions”.*

We have also considered whether any *historical recognized environmental conditions* or *controlled recognized environmental conditions* are associated with the property. A *historical recognized environmental condition* is defined as:

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

A *controlled recognized environmental condition* is defined as:

*“a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)”.*

## 1.2 PROPERTY INFORMATION AND LOCATION

General Property Information/Location				
Property Name:	Pedrick Road Property	Address:	8405 Pedrick Road, Dixon, California	
APNs:	0111-080-050 and 0111-040-010, -020, -030 and -040	County:	Solano	
		Owner:	Ocala Meadows Lands, LLC	
Location:	See <i>Vicinity Map</i> , Plate 1		Size:	Approx. 257 acres
Latitude/Longitude:	38.4757220, -121.8081720		Current Use:	Agricultural
Considered Future Use:	Unknown			

## 1.3 SCOPE OF WORK

### Protocol and ASTM Scope Items

This *Phase I Environmental Site Assessment* has been performed in general accord with the scope and limitations of the 2013 *ASTM Standard Practice for Phase I Environmental Site Assessments Process* (E 1527-13). A *Phase I Environmental Site Assessment* is the primary component of an “*All Appropriate Inquiry*” designed to evaluate the environmental integrity of a property as part of the due diligence required to qualify for Landowner Liability Protections under the Comprehensive Environmental



Response, Compensation, and Liability Act (CERCLA). The regulatory requirements and standards for Phase I environmental site assessment were established by the Federal Environmental Protection Agency and are outlined in 40 CFR Part 312, “*The Final Rule for Standards and Practices for All Appropriate Inquiries (AAI)*”.

The scope of this investigation included:

- Review of physical setting information sources
- Historical research, including review of any available, relevant environmental reports
- Site reconnaissance and observations of adjacent and nearby properties
- Interviews of individuals knowledgeable of the property and agency representatives
- Review of regulatory agency listings and records, including an agency database report
- Evaluation of the collected information, and preparation of this report

### **Non-ASTM Scope Items**

The scope of work associated with this *Phase I Environmental Site Assessment* has not included soil, soil gas, or groundwater sampling/testing, a chain-of-title document search, an evaluation of business environmental risk, an environmental compliance audit, research regarding use limitations (deed restrictions), or a property lien search. Our study also has not included evaluation of the following non-ASTM scope items: asbestos-containing building materials or naturally-occurring asbestos; lead-based paint; indoor air quality; industrial hygiene or safety; cultural or historic resources; ecological resources or endangered species; wetlands; biological agents; or, mold. We could develop a scope and cost estimate for performance of non-ASTM scope items upon request.

### **1.4 EXCEPTIONS AND LIMITATIONS**

No significant exceptions to or deviations from the ASTM standard (E 1527-13) were made during the course of our work. The ASTM Standard E 1527-13 is designed to establish good commercial and customary practices to be implemented by the Environmental Professional in performing Phase I assessment of a property in a manner that satisfies CERCLA requirements. Our services are performed in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. The findings and conclusions presented herein are based on the cited reference materials, conversations, reconnaissance, and other information obtained from a variety of sources deemed to be reliable. No warranty regarding the accuracy of our opinions or conclusions is expressed or implied. It should be understood that the scope of investigation described herein is not exhaustive, and performance of a *Phase I Environmental Site Assessment* cannot completely eliminate uncertainties regarding the potential for environmental impairment of a property.

### **1.5 USER RELIANCE AND CONFIDENTIALITY**

5G Consulting Group, LLC may read and rely upon the information, findings, conclusions, and recommendations contained herein. Without prior written consent of the client, Brusca Associates, Inc. will keep confidential and not disclose to any person or entity, any data or information provided by the client or generated in conjunction with the performance of this study. Provisions of confidentiality shall not apply to data or information obtained from the public domain or acquired from third parties not under obligation to the client to maintain confidentiality.



## **2.0 PHYSICAL SETTING**

### **2.1 PHYSICAL SETTING SOURCES**

Sources used to determine the regional setting during this study have included the following:

- 1977 CGS Geologic Map of California (1:750,000)
- 1981 CGS Geologic Map of the Sacramento Quadrangle (1:250,000)
- 1985 USGS Geologic Map of the Late Cenozoic Deposits of the Sacramento Valley (1:62,500)
- USGS Dixon Quadrangle (1:24,000)

### **2.2 TOPOGRAPHY**

As shown on the USGS Dixon Quadrangle (see Plate 1), the subject property is situated at elevations on the order of 65 feet above sea level. The site is relatively flat, and surface gradients in the vicinity slope gently toward the southeast.

### **2.3 GEOLOGY AND SOILS**

The subject property is situated within the Sacramento Valley in the Great Valley geomorphic province of California. The valley was formed by tilting of the Sierran Block with the western side dropping to form the valley and the eastern side uplifting to form the Sierra Nevada. The valley is characterized by a thick sequence of sediments derived from erosion of the adjacent Sierra Nevada to the east and the Coast Ranges to the west. These sedimentary rocks are mainly Cretaceous in age. The depth of the sediments varies from a thin veneer at the edges of the valley to depths in excess of 50,000 feet near the western edge of the valley. California Geological Survey (CGS) mapping indicates that the geologic materials in the vicinity of the subject site are identified as Quaternary alluvial fan deposits.

Soil mapping by the the US Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) indicates that the majority of onsite soils are identified as Brentwood clay loam and are indicated to be well drained. Soils located on the central and the northeasterly portions of the site are identified as Capay silty clay loam; this soil unit is indicated to be moderately well drained. Soils located on the central-southerly portion of the subeject site are identified as Yolo loam; this soil unit is indicated to be well drained. Soils located on the northwesterly and southerly portions as well as the far southerly corners of the subject site are indentified as Yolo silty clay loam; this soil unit is indicated to be well drained.

### **2.4 SURFACE WATER AND GROUNDWATER**

There are no surface water bodies on or adjacent to the subject property, save for irrigation ditches. The nearest prominent surface water feature, Putah Creek, is situated approximately three miles northerly of the subject site. Storm water generated on the subject property would appear to be directed towards onsite irrigation ditches, adjoining properties, and/or Pedrick Road. We observed no evidence of suspicious run-off to, or from the subject property during our site reconnaissance.



Groundwater conditions within the general area of the subject property have been considered utilizing information obtained from the California Department of Water Resources, Solano County, and the California Regional Water Quality Control Board. We also have considered groundwater elevation data obtained during past onsite groundwater monitoring (in the area of a former 10,000-gallon above-ground diesel tank [AST]) and during recent subsurface investigations performed by our firm. The available information indicates seasonally variable groundwater depths ranging from about 20 to 40 feet. The regional groundwater flow direction is indicated to be southeasterly. However, past onsite groundwater monitoring suggested a localized northerly groundwater flow direction; it was surmised that this flow direction was influenced to some degree by an onsite irrigation ditch near the onsite groundwater monitoring wells. Information regarding past onsite environmental investigations, including the groundwater monitoring, the former 10,000-gallon diesel AST, and our recent site investigations, is presented in *Section 6.0* of this report. The locations of onsite groundwater monitoring wells are shown on Plate 3.

### 3.0 SITE RECONNAISSANCE

Site Reconnaissance		
Date: July 17, 2020	Brusca Associates, Inc. Representatives: Joe Brusca and Alycia Cridebring	Weather: Sunny
Site Layout: See Plate 2, <i>Site Map</i>	Site Photographs: See Appendix A	Limiting Conditions: None

### 3.1 SITE DESCRIPTION

#### General

The approximate 257-acre subject property is comprised of five contiguous parcels situated westerly of Pedrick Road and southerly of Interstate 80 in Dixon, Solano County, California. The subject property is addressed as 8405 Pedrick Road and is identified by the Solano County Assessor’s Office as parcel numbers (APNs) 0111-080-050 and 0111-040-010, -020, -030 and -040. The property is bordered to the east by Pedrick Road, to the north by Interstate 80 and vacant farmland, to the west by vacant farmland and a recently-excavated stormwater basin, and to the south by vacant land, an orchard, and commercial properties (mostly trucking yards).

#### Farmland

The subject site currently is vacant/undeveloped and mostly comprised of farmland. At the time of our recent reconnaissance, the property was farmed mostly in row crops. Irrigation canals are located throughout the property. It is indicated that onsite irrigation water is provided by a major Solano Irrigation District (SID) underground supply pipeline situated along the westerly margin of the property. An irrigation water well (identified as DW-8) is located near the southwesterly corner of the property, and multiple irrigation water control features (valves, control boxes, standpipes, etc.) are situated along the westerly margin of the property.

During our site reconnaissance we observed a power pole with pole-mounted electrical transformers on the northeasterly portion of the property. It is unknown whether these transformers contain polychlorinated biphenyl (PCB) fluids; however, we observed no evidence of discharge or leakage from the transformer at the time of our reconnaissance. It is possible that this power pole was



previously used to power a well in that area; however, we did not observe a well at this location at the time of our reconnaissance.

### **Former Mistler Farm Facility Area**

A rectangular, approximate seven-acre area within the northwesterly portion of the property is vacant and is not subject to farming; this area is situated about 1,600 feet westerly of Pedrick Road and is the former location of the Mistler Farm facility (see Plate 3). The former farm facility area is relatively flat, vacant, and bordered by irrigation ditches, beyond which are farmed areas. The farm facility area generally is currently unused, except for occasional storage of hay. A large number of beehive boxes are situated on the far easterly portion of the former farm facility area. Site surfaces support limited volunteer vegetation, and broken concrete fragments (apparent roof tiles) are scattered across large portions of the former farm facility area (these materials likely were imported to the site in the past to serve as gravel-like surfacing during operation of the farm facility). Four groundwater monitoring wells were observed along the southerly margin of the farm facility (see Plate 3); three of these wells are situated within steel risers/monuments, and one of the wells is within a flush-mounted circular surface vault. It is indicated that these monitoring wells are associated with past investigation of a petroleum hydrocarbon release attributable to a former 10,000-gallon diesel AST that was used in this area. Information regarding the petroleum hydrocarbon contamination case is presented in *Section 6.0* of this report.

It is indicated that an open pit was excavated within the far westerly portion of the former onsite Mistler Farm facility around the early 1970s, and that various wastes (presumably generated at the farm facility) were disposed/landfilled in the pit. The location of the abandoned landfill is shown on Plate 3. Currently, ground surfaces within portions of the former landfill area are depressed up to about three feet with respect to surrounding grades, possibly due to settlement of landfilled materials. A few small trees/bushes are located within the landfill area, and scattered debris/rubbish is evident at the surface. Surficial debris in the area of the abandoned landfill includes abundant fragments of concrete roof tiles. Information regarding the abandoned landfill, including the results of investigations of the landfill and the regulatory status, is presented in *Section 6.0* of this report.

## **3.2 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS**

No hazardous substances or petroleum products were observed to be used or stored on the subject site at the time of our site reconnaissance.

## **3.3 UTILITIES**

Electricity and natural gas are provided to the subject site vicinity by the Pacific Gas and Electric Company (PG&E). Municipal drinking water and the local sewer utility are provided in the general area by the City of Dixon. Our scope of work has not included the determination of availability of utilities to the subject property.

An irrigation water supply well is located near the southwesterly corner of the subject property. As described in *Section 3.1*, it is possible that another water well was situated on the northeasterly portion of the property (as evidence by a power pole in that area). Additionally, it is likely that one or more water supply wells were previously used in the former Mistler Farm facility area of the property. If water wells are discovered on the property and such wells are not intended to be used, they should be properly abandoned in accordance with State and local regulations.



### 3.4 COMMON SITE-SPECIFIC ENVIRONMENTAL CONCERNS

Potential Environmental Concern	Observations/Comments
Storage Tanks, Vent/Fill Pipes	None revealed by our reconnaissance; however, it is indicated that ASTs were previously used at the former onsite Mistler Farm facility. See <i>Section 6.0</i>
Petroleum Pipelines or Oil & Gas Wells	Two natural gas wells were drilled on the subject property in the past; see <i>Section 7.1</i>
Drums	None revealed by our reconnaissance or research
Unidentified Substance Containers	None revealed by our reconnaissance or research
Sumps	None revealed by our reconnaissance or research
Floor Drains	None revealed by our reconnaissance or research
Stains	None revealed by our reconnaissance or research
Septic Systems	None revealed by our reconnaissance; however, it is considered likely that septic systems were associated with the former onsite residences
Stressed Vegetation	None revealed by our reconnaissance or research
Solid Waste Disposal/Fill Placement	An abandoned landfill is located within the far westerly portion of the former onsite Mistler Farm facility area; see <i>Section 6.0</i>
Pools of Liquid/Standing Water	None revealed by our reconnaissance or research
Unusual Odors	None revealed by our reconnaissance or research
Polychlorinated Biphenyls (PCBs)	Pole mounted electrical transformers were observed on the northeasterly portion of the property; see <i>Section 3.1</i>
Pits, Ponds, or Lagoons; Wastewater Treatment	None revealed by our reconnaissance or research
Water Wells	An irrigation water supply well is located near the southwesterly corner of the property. Additionally, groundwater monitoring wells are located within the area of the former onsite Mistler Farm facility; see <i>Section 3.1</i>

### 3.5 RESULTS OF SITE RECONNAISSANCE

Our reconnaissance identified no obvious evidence that current use or activities on the subject property have resulted in a significant release of hazardous substances or petroleum products to the environment on the subject property. We observed no evidence of significant surface staining or improper hazardous substance/petroleum products use or storage at the site. As described elsewhere in this report, it is known that the area of the abandoned landfill on the property contains contaminants, and that minor petroleum hydrocarbon and metals impact exists in the area of the former onsite Mistler Farm facility (see *Section 6.0*).

### 4.0 ADJOINING SITE CONDITIONS AND USE

The approximate 257-acre subject site is located within a predominantly agricultural area of Dixon, Solano County. The property is bordered to the east by Pedrick Road, to the north by Interstate 80 and vacant farmland, to the west by vacant farmland and a recently-excavated stormwater basin, and



to the south by vacant land, an orchard, and commercial properties (mostly trucking yards). Information regarding adjoining and nearby site use is presented below.

Direction	Description
Northerly	Vacant farmland, and Interstate 80 to the northwest
Southerly	Commercial property – Chavez Trucking (955 Vaughn Road), Guzman & Sons Trucking (1055 Vaughn Road) and a small orchard
Easterly	Commercial property -Campbell Soup Supply Company (8380 Pedrick Road), Menezes Brothers, Inc. (8308 Pedrick Road), vacant farmland; railroad tracks to the southeast
Westerly	Vacant farmland and a recently excavated stormwater basin

Our research and visual observations of adjoining and nearby properties did not identify current conditions or activities considered likely to have resulted in a significant release of hazardous substances or petroleum products affecting the environment on the subject property. Information obtained during our review of agency listings and records for adjoining and nearby sites is discussed in Section 8.3 of this report.

## 5.0 INTERVIEWS AND USER QUESTIONNAIRE

### 5.1 INTERVIEWS

The following individuals were contacted in person, by phone, or by written communication to obtain information relevant to the environmental status and condition of the subject property.

Relationship to Property	Name/Affiliation	Comments
User Representative	Steve Gidaro/ 5G Consulting Group, LLC	See Section 5.2
Owner Representative/ Key Site Manager	Ari Huber/Ocala Meadows Lands, LLC	See below
Farmer Tenant	Chope Gill/Reveille Farms	
Agency Official	Caison King/Solano Irrigation District	
Agency Official	Geoff Rader/Central Valley Regional Water Quality Control Board	See Section 6.0
Agency Official	Marcy Hannum/Solano County Department of Resource Management	See Section 6.0
Agency Official	Alicia Seay/Solano County Department of Resource Management	See Section 8.1 and 8.3

As a part of our research, we conducted an interview with a current owner representative, Ari Huber of Ocala Meadows Lands, LLC. Mr. Huber indicated that he has been familiar with the property for about the last eight years, and that during that time the property has been used exclusively for farming. Mr. Huber stated that there are no environmental liens or environmentally-related activity and use limitations associated with the subject property. Mr. Huber indicated that he is generally aware of the abandoned landfill and the petroleum hydrocarbon case associated with the former 10,000-gallon diesel AST within the former Mistler Farm portion of the property; however, otherwise, Mr. Huber



related that he is unaware of any other known past hazardous substances/petroleum hydrocarbons releases or known contamination conditions on the property.

Additional information obtained from interviews is presented in the relevant sections of this report.

## 5.2 USER QUESTIONNAIRE

In order to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the “Brownfields Amendments”), the user of this report must provide specific information (if available) to the environmental professional. As of this writing, the user of this report has not provided a completed *User Questionnaire*.

## 6.0 PREVIOUS AND CONCURRENT ENVIRONMENTAL INVESTIGATIONS

### General

Our research indicates that a *Phase I Environmental Site Assessment* of the subject property was performed in 2001, and subsequent follow-up investigations were performed to evaluate the abandoned landfill and the area of the former 10,000-gallon diesel AST within the former Mistler Farm facility at the site. Additionally, our firm recently performed further environmental investigations of the abandoned landfill and the Mistler Farm facility (generally concurrently with performance of this Phase I study). The past and recent/concurrent investigations are summarized below, and copies of relevant reports and related documentation are included in Appendix E.

### 2001 AMEC Phase I Environmental Site Assessment

A *Phase I Environmental Site Assessment* of the subject property was performed by AMEC Earth and Environmental (AMEC) in 2001.<sup>1</sup> At the time of the 2001 Phase I study, the property supported farmland and the approximate seven-acre Mistler Farm facility within the northwesterly portion of the site. The farm facility reportedly included residential structures, barns, an equipment repair garage, a sizable yard where vehicles and equipment were stored, and areas where above-ground fuel storage tanks were used. The 2001 Phase I report identified a number of *recognized environmental conditions* associated with the area of the Mistler Farm facility including: surface staining in areas where fuels and waste oils may have impacted the site due to improper storage or transport; staining in the areas of onsite ASTs, including heavy staining in the area of a 10,000-gallon AST along the southerly facility margin; and, the landfill within the far westerly portion of the farm facility.

### Petroleum Hydrocarbon Impact Investigations and Remediation

In 2005, subsurface investigation performed by Conestoga-Rovers & Associates (CRA) in the area of a former 10,000-gallon diesel AST within the former Mistler Farm facility at the subject property identified diesel impact to soil and groundwater. Subsequently, remedial soil excavation was performed in this area in 2006 extending to a depth of about 20 feet. Additionally, groundwater

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<sup>1</sup> AMEC Earth & Environmental; “Phase I Environmental Site Assessment & Operational Compliance Review, Mistler & Vaughn Agricultural Facility, 8405 Pedrick Road, Dixon, California”; April 11, 2001.





monitoring wells were installed in the area of the AST and were sampled/tested over a period of time; the locations of the former AST and the groundwater monitoring wells are shown on Plate 3. Following the remedial and monitoring activities, CRA concluded that the limited remaining residual petroleum hydrocarbons in the subsurface attributable to historical releases from the AST did not represent a significant threat to human health or the environment. CRA prepared a No Further Action (NFA) Request report for the AST petroleum hydrocarbon contamination case in March 2011.<sup>2</sup>

The 2011 NFA request prepared by CRA was submitted to the local regulatory oversight agency (the Solano County Department of Resource Management [SCDRM] Environmental Health Division) for review. It is indicated that the SCDRM did not provide official approval of the NFA request; however, the SCDRM prepared a letter dated March 20, 2019 indicating that the SCDRM was discontinuing its site mitigation program and that active cases were being transferred to the Central Valley Regional Water Quality Control Board (CVRWQCB).

As a part of this Phase I study, we contacted Ms. Marcy Hannum of the SCDRM regarding the status of the NFA request, and Ms. Hannum in turn contacted Mr. Geoff Rader of the CVRWQCB for a determination regarding the case. The CVRWQCB recently reviewed the case files related to the AST release and cleanup and prepared a letter dated September 23, 2020 indicating that further environmental work related to the release is not necessary, other than the proper destruction of the groundwater monitoring wells at the site.<sup>3</sup>

### **Abandoned Landfill Investigations**

In 2005, CRA performed subsurface investigation in the area of the abandoned landfill at the site.<sup>4</sup> The CRA investigation included the excavation of exploratory trenches in the landfill and collection of a limited number of waste samples for laboratory analysis. CRA reported that that landfill measured about 30 to 40 feet wide by about 160 feet long, and that the wastes extended to a depth of at least 10 feet (the maximum reach of the backhoe used for the exploratory trenches). The landfill materials were reported to consist mostly of concrete roof tiles; other wastes reportedly included clay pipe, bottles, and household items.

CRA collected two samples of waste materials from the test pits for analysis for CAM17 metals. Additionally, the samples were analyzed for eight metals by the toxicity characteristic leaching procedure (TCLP). Based on the analytical results, CRA suggested that the landfilled materials would be considered “nonhazardous waste”. In 2015, Tremaine & Associates Inc. (Tremaine) prepared a Remedial Action Plan (RAP) for the abandoned landfill at the subject site.<sup>5</sup> In conjunction with preparation of the RAP, Tremaine coordinated a geophysical survey to further evaluate the limits of the landfill. The RAP included a description of proposed methods and guidelines for excavation, sorting, and segregation of the landfilled wastes, and plans for onsite recycling and off-site disposal

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<sup>2</sup> Conestoga-Rovers & Associates; “No Further Action Required Request and Groundwater Monitoring Report – Third Quarter 2010”; March 2011.

<sup>3</sup> CVRWQCB; “Well Destruction Request, Dixon Downs (Former Mistler Trucking Co.) Diesel Fuel Release, 8405 Pedrick Road, Dixon, Solano County”; September 23, 2020.

<sup>4</sup> Conestoga-Rovers & Associates; “Soil Investigation, Mistler Property, Dixon, California”; March 17, 2005.

<sup>5</sup> Tremaine & Associates, Inc.; “Remedial Action Plan (RAP) for Mistler Farm Landfill & Refuse Area, Former Mistler Farm Property, 8405 Pedrick Road, Dixon, California”; February 2, 2015.



of the wastes. A program of sampling and analysis of the excavated wastes and underlying soils was included in the RAP.

The above referenced RAP prepared by Tremaine was submitted to the SCDRM for review. The SCDRM issued a letter dated March 16, 2015 indicating approval of the RAP. The SCDRM prepared a letter dated March 20, 2019 requesting a status update regarding the remedial action. The 2019 letter also indicated that the SCDRM was discontinuing its site mitigation program and that active cases will be transferred to the CVRWQCB.

## **2020 Brusca Associates, Inc. Abandoned Landfill Investigation**

### *General*

Our review of the past investigative work by CRA and Tremaine pertaining to the onsite abandoned landfill indicates that the data from those investigations generally are not sufficient to evaluate potential environmental impacts attributable to the landfill or to develop reasonable cost estimates for official regulatory landfill closure. Notable data gaps included lack of data to evaluate proper disposal methods for the wastes, and the lack of data to evaluate whether the landfilled wastes resulted in underlying soil impact, groundwater impact, and/or soil gas impact (i.e. landfill gases such as methane).

We understand that a “clean closure” process for the abandoned landfill would be desired; that process includes complete removal of the landfilled wastes for offsite disposal at an appropriate regulated landfill facility such that there are no continuing obligations for landfill management, monitoring, or inspections. To obtain additional information regarding subsurface conditions in the area of the abandoned landfill, our firm recently performed a *Site Investigation* of that area concurrent with preparation of this *Phase I Environmental Site Assessment*.<sup>6</sup>

### *Scope of Work*

Our scope of work for further investigation of the area of the landfill included: review of past investigations and historical aerial photography of the landfill; a geophysical survey of the landfill area; exploratory trenching within the landfill and the collection of landfilled waste and underlying soil samples for laboratory analysis; the advancement of borings within and surrounding the landfill and the collection of groundwater samples from the borings for laboratory analysis; the installation of temporary soil gas probes within and surrounding the landfill and the collection of soil gas samples from the probes for laboratory analysis; and, evaluation of the results.

### *Findings*

The primary findings of our investigation of the abandoned landfill at the subject site are outlined below:

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<sup>6</sup> Brusca Associates, Inc.; “Site Investigation, Abandoned Mistler Farm Landfill, Pedrick Road Property, 8405 Pedrick Road, Dixon, Solano County, California”; September 21, 2020.



- Our investigative work indicates that the footprint of the landfill would appear to measure about 160 feet long and about 40 feet wide; the estimated lateral limits are shown on Plate 3. The vertical configuration of the landfill is somewhat variable, with portions of the sides being stepped or sloped; however, the landfill generally appears to primarily consist of an approximate 14-foot deep section, sloped at the northerly and southerly ends. Based on the available data, we conservatively estimate the in-place volume of waste to be on the order of 3,300 cubic yards.
- Representative samples of waste materials within the landfill were analyzed for a wide variety of potential contaminants. The results did not reveal elevated concentrations of the tested analytes, except for lead. Soluble lead analyses (STLC testing) indicate that much or all of the landfilled materials would be characterized as a California hazardous waste per Code of Regulations Title 22 for disposal purposes. The results do not indicate that the materials would be characterized as Federal (RCRA) hazardous waste. Actual waste profiling requirements will be determined by the accepting landfill facility, and likely will require sampling and testing of removed and stockpiled waste materials prior to acceptance. The referenced RAP prepared by Tremaine in 2015 indicated that it may be possible to segregate and reuse some of the landfilled materials onsite. Based on our observations and data pertaining to the waste materials, it is our opinion that it likely would not be practical, feasible, or desirable to attempt to segregate and reuse the landfilled wastes.
- Representative samples of native soils underlying the landfilled wastes at the site were tested for a variety of potential contaminants. The results are favorable; none of the tested soil samples contained elevated concentrations of the tested analytes, except that one soil sample contained a slightly elevated concentration of cobalt with respect to the residential Environmental Screening Level (ESL) value published by the San Francisco Regional Water Quality Control Board. Given that the slightly elevated cobalt concentration was detected in only one soil sample and considering the depth of that sample (13.5 feet), these conditions would not appear to represent a significant future exposure concern.
- Groundwater samples collected from locations surrounding and beneath the landfill were tested for a variety of potential contaminants. The results generally are favorable. None of the groundwater samples contained the tested analytes at concentrations that are considered elevated with respect to California drinking water Maximum Contaminant Level (MCL) values. Very minor volatile organic compound (VOC) groundwater impact (benzene and toluene) was identified directly below the landfilled wastes; however, it is considered very favorable that none of the groundwater samples from locations surrounding the abandoned landfill contained these contaminants at concentrations above the laboratory reporting limits.
- Soil gas samples collected at locations surrounding the abandoned landfill and within the landfilled wastes were tested for potential landfill gases, including VOCs and methane. None of the tested soil gas samples contained methane (seemingly due to the lack of organic materials within the landfilled wastes). Elevated concentrations of VOCs, including tetrachloroethene (PCE), trichloroethene (TCE), benzene, and chloroform, were detected in some of the soil gas samples. However, the only soil gas samples that contained these VOCs at concentrations above commercial/industrial ESL values were collected within the landfilled wastes. It is very possible that future removal of landfilled wastes will result in abatement of VOCs in soil gas that exceed commercial/industrial ESLs. Thereafter, the detected VOCs in



soil gas in the area of the former landfill may not be a future health risk concern provided that the area is not subject to residential or other sensitive uses. If the area of the landfill is subject to future residential or other sensitive uses, further evaluation and possible mitigation of landfill gas conditions likely would be warranted.

### *Regulatory Agency Status/Pathway to Landfill Closure*

Our recent discussions with representatives of the SCDRM indicate that, despite the cessation of the County's site mitigation program, the SCDRM remains the Local Enforcement Agency (LEA) for oversight of landfills within Solano County per the provisions of California Code of Regulations Title 27. As such it is our understanding that the SCDRM would oversee the official landfill closure process, with guidance and input from CalRecycle (formerly the California Integrated Waste Management Board) and possibly other State regulatory agencies, such as the CVRWQCB. Our recent investigative work with respect to the abandoned landfill at the subject site was performed for environmental due diligence purposes, in part to develop information to consider potential future costs for clean closure of the landfill. Our work did not include official engagement of the appropriate regulatory agencies for the closure process. To initiate the clean closure process, the LEA (the SCDRM) should be officially engaged for closure oversight. Considering the additional data obtained during our investigation of the abandoned landfill area, preparation of an updated RAP and/or a Clean Closure Plan for official landfill closure would appear to be in order.

### **2020 Brusca Associates, Inc. Mistler Farm Facility Investigation**

The referenced 2001 *Phase I Environmental Site Assessment* by AMEC identified surface staining in various areas where chemicals, waste oils, and fuels were stored within the former Mistler Farm facility at the subject property and identified those conditions as a *recognized environmental condition*. Our research has not identified follow-up sampling to evaluate that concern, other than the mentioned investigations in the area of the former 10,000-gallon diesel AST. To evaluate this *recognized environmental condition* identified by AMEC, our firm recently performed a *Site Investigation* in the area of the former Mistler Farm facility concurrent with preparation of this *Phase I Environmental Site Assessment*.<sup>7</sup> The primary purpose of the site investigation was to evaluate whether surface soils in the area of the farm facility contain elevated concentrations of contaminants, including petroleum hydrocarbons, metals, and pesticides. We performed surface soil sampling at 24 locations throughout the approximate seven-acre former Mistler Farm facility; the surface soil sampling locations generally were selected to provide spatial coverage across the former facility and to target certain areas of potential concern (including the area of the former equipment repair garage and the reported location of former ASTs at the far easterly margin of the former facility). Additionally, we advanced a boring generally within the central portion of the former farm facility (in the area of the previous equipment repair garage) for collection of a groundwater sample for laboratory analysis. Our findings are summarized below:

- None of the surface soil samples collected by our firm in the former Mistler Farm facility area contained elevated concentrations of petroleum hydrocarbons, metals, or chlorinated

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<sup>7</sup> Brusca Associates, Inc.; "Site Investigation, Former Mistler Farm Facility, Pedrick Road Property, 8405 Pedrick Road, Dixon, Solano County, California"; September 21, 2020.



pesticides, except that one sample contained a slightly elevated concentration of diesel-range petroleum hydrocarbons and one sample contained a slightly elevated concentration of lead with respect to residential ESL values (although the detected concentrations do not exceed the commercial/industrial ESL values). Considering the very limited occurrences of slightly elevated concentrations of diesel and lead in surface soils, these conditions would not appear to represent a significant environmental concern, particularly if the former farm facility area is not subject to future residential redevelopment.

- The groundwater sample collected beneath the area of the former farm facility did not contain the tested analytes at concentrations above California drinking water MCL values, except for slightly elevated concentrations of nitrates and total dissolved solids (TDS). The slightly elevated concentrations of nitrates and TDS detected in groundwater beneath the former farm facility likely would not be a significant concern, provided that future drinking water wells are not installed in that area.
- The groundwater sample collected beneath the site also contained a detectible concentration of diesel-range petroleum hydrocarbons that exceeds the Tier 1 ESL value. The source of the diesel detected in groundwater is undetermined; however, it may be attributable to past activities at the former onsite equipment garage or related to the known release associated with the former 10,000-gallon diesel AST at the site. Considering the lack of elevated VOCs in the groundwater sample and the lack of nearby potential groundwater receptors (i.e. drinking water wells), the diesel detected in groundwater at this location would not appear to be a significant exposure risk, assuming that future drinking water wells are not installed in that area. Nonetheless, the full extent and nature of the diesel groundwater impact were not determined by our investigation; further assessment of the apparent diesel impact conditions could be performed if desired.

## 7.0 HISTORICAL RESEARCH

### 7.1 HISTORICAL INFORMATION SOURCES

#### General

As a part of this *Phase I Environmental Site Assessment*, historical research was performed to determine the past usage of the subject property and to evaluate the potential that past site usage resulted in recognized environmental conditions on the property. In accordance with ASTM Standard E 1527-13, our research has included evaluation of obvious uses of the property back to initial site development, or the 1940s, whichever is earlier. A number of different historical resources have been considered; the historical information sources considered are discussed below. Selected historical information (including aerial photographs, quadrangle maps and city directories) is presented in Appendix C.

#### Aerial Photographs

We reviewed historical aerial photographs dated 1937, 1952, 1968, 1974, 1984, 1993, 2006, 2009, 2012, 2016, and 2018. The aerial photograph dated 1937 shows nearly the entire subject property supporting vacant farmland. Three apparent rural residences were situated on the property at that time; two of the residences were situated within the northwesterly property area and one residence was located within



the northeasterly property area. No significant changes to the subject property are apparent on the 1952 aerial photograph. By the time of the 1968 aerial photograph, one of the rural residences within the northwesterly property area had been razed.

By the time of the 1974 aerial photograph, a farm facility (former Mistler Farm) including multiple structures and a yard area was evident within an approximate seven-acre area on the northwesterly portion of the property. An apparent elongated/linear open pit was evident within the far westerly portion of the facility (location of the abandoned landfill). By the time of the 1984 aerial photograph a sizable structure (former equipment repair garage) had been constructed within the central portion of the Mistler Farm facility, and a notable amount of equipment, vehicles, and/or materials were stored in the yard area of the facility. No significant changes to the subject property are apparent on the 1993 aerial photograph.

By the time of the 2006 aerial photograph, most of the former structures within the Mistler farm facility had been removed and that area generally appeared unused. Additionally, the rural residence on the northeasterly portion of the property had been removed by 2006. No significant changes to the subject property are apparent on the subsequent aerial photographs dated from 2009 through 2018. Over the years, the portions of the subject property outside of the farm facility and former rural residences have continued to remain vacant farmland used predominantly for row crops.

### **USGS Topographic Maps**

We reviewed U.S. Geological Survey topographic quadrangle maps (Dixon Quadrangle) dated 1908, 1916, 1952, 1953, 1968, 1975, 1981, and 2012. The quadrangle dated 1908 depicts the subject property supporting an east to west trending roadway as well as a small structure (apparent rural residence) on the northwesterly portion of the site. No significant changes to the subject property are apparent on the 1916 quadrangle map. By the time of the 1952 quadrangle map, a number of other structures are depicted on the northwesterly and northeasterly portions of the subject property. On the 1953 quadrangle map, three of the structures on the northwesterly portion of the subject site are no longer shown. Additionally, the label “Airport” is shown on the northwesterly portion of the site on the 1953 map; this label appears to be associated with a small runway situated directly westerly of the northwesterly portion of the subject property at that time. The far westerly portion of the onsite roadway is no longer depicted by the time of the quadrangle map dated 1968. On the 1975 and 1981 quadrangle maps, an additional rectangular structure is depicted on the northwesterly portion of the site. By the time of the 2012 quadrangle map, no structures are depicted on the subject property; the onsite unpaved roadway is shown trending east to west across the property.

### **Sanborn Fire Insurance Maps**

Our research indicates that the area of the subject property is not covered by available Sanborn Fire Insurance Maps.

### **Local Street Directories**

Our historical research included review of city directories (EDR Digital Archive and Haines Criss-Cross Directory) to establish past occupants of the subject property. We reviewed listings for the site address (8405 Pedrick Road). Past occupant history was available from 1995 to 2005. Listings were generally documented in about five-year increments; the directory listings are included in Appendix C and are summarized below.



Address	Occupant	Year(s)
8405 Pedrick Road	Bob Mistler Trucking	1995
	Perata, Steve	1995
	Smith, Jeff M	2000
	Webb, Bill	2000
	“Occupant unknown”	2005

### Oil and Gas Well Maps

Our review of California Department of Conservation Division of Oil and Gas records indicates that two natural gas wells were drilled on the subject property in the past. One of these wells was drilled on the northeasterly portion of the property in 1987 and the other was drilled in the southwesterly portion of the site in 1994. It is indicated that both of the former natural gas wells have since been plugged and abandoned.

### EDR Proprietary Listings

Environmental Data Resources (EDR) maintains proprietary databases of historic potential high-risk sites, including dry cleaners, gasoline stations, automotive stations, and manufactured gas plants. The proprietary databases were developed largely from historic business directories. As shown in the database report presented in Appendix D, the subject property does not appear in any of these databases.

### Interviews

Interview information is presented in *Section 5.1* of this report.

### Previous Environmental Reports

Previous environmental investigations of the property were discussed in *Section 6.0* of this report.

## 7.2 SUMMARY OF PAST SITE CONDITIONS AND USAGE

The historical information obtained from the sources described above indicate that the vast majority of the subject property has never been significantly developed and has been used exclusively for farming (predominantly row crops). As early as the 1930s, two rural residences were situated within the northwesterly property area and one residence was located within the northeasterly property area. By the 1970s, a farm facility (former Mistler Farm/Mistler Trucking) had been constructed within an approximate seven-acre area within the northwesterly portion of the property; the farm facility included multiple structures and a yard area. Additionally, the far westerly portion of the Mistler Farm facility was used as an unpermitted landfill. By the mid-1980s, an equipment repair garage had been constructed within the central portion of the farm facility and much of the seven-acre facility was subject to equipment, vehicles, and materials storage. It is indicated that ASTs were used at the farm facility, including a 10,000-gallon diesel AST. The former Mistler Farm facility apparently was razed in the early 2000s, and the area has since generally been unused (except for storage of beehive boxes and occasional storage of hay). Over the years, the portions of the subject property outside of the farm



facility and former rural residences have continued to remain vacant farmland used predominantly for row crops.

Past environmental investigations of the area of the former Mistler Farm facility on the subject property have revealed concerns and site impact related to activities in that area, including AST use and the abandoned landfill; these investigations and issues are discussed in *Section 6.0* of this report.

### **7.3 PAST ADJOINING SITE USAGE**

Information obtained from the historical sources cited in *Section 7.1* indicates that adjoining and nearby properties historically supported vacant farmland and a few rural residences. The existing easterly adjoining roadway (Pedrick Road) as well as railroad tracks southeasterly adjacent to the subject property were in place by the early 1900s. From about the early 1950s to early 1960s, a small airport apparently operated on the northwesterly adjoining property. The northwesterly adjoining highway (Interstate 80) was also in place by the early 1950s. By the late 1960s, the southwesterly adjoining property was planted with the existing orchard. During the mid-1970s, initial commercial development of southerly and easterly (across Pedrick Road) adjoining properties was apparent and expanded by the 1980s. Occupants of the southeasterly adjoining properties have generally included several trucking businesses. The commercial properties to the east (across Pedrick Road) have included trucking businesses and the existing Campbell's Soup Supply Company. The majority of surrounding property usage has remained agricultural. Our research has not identified past adjoining or nearby site usage considered likely to have resulted in a release of hazardous substances or petroleum products that would have significantly affected the environment on the subject property.

## **8.0 AGENCY RECORDS REVIEW**

### **8.1 INFORMATION SOURCES**

As a part of this *Phase I Environmental Site Assessment*, agency listings and records were reviewed and considered to evaluate the environmental status and condition of the subject property. Agency research has included obtaining an agency listings database report through a third-party provider; the database records search (including search radii) meets and exceeds the agency listings search provisions of ASTM Standard E 1527-13. The database report was obtained from Environmental Data Resources (EDR) and is presented in Appendix D. In addition to review of the agency database report, supplemental research was performed via online environmental databases (including Geotracker<sup>8</sup> and Envirostor<sup>9</sup>), and through direct communications and file review (as warranted) with various agencies (including local agencies not included in the database report).

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<sup>8</sup> Geotracker ([www.geotracker.waterboards.ca.gov](http://www.geotracker.waterboards.ca.gov)); environmental database of regulated facilities in California maintained by the State Water Resources Control Board.

<sup>9</sup> Envirostor ([www.envirostor.dtsc.ca.gov](http://www.envirostor.dtsc.ca.gov)); online database of contaminated sites, environmental cleanups, and permitted facilities in California maintained by the Department of Toxic Substances Control.





### Federal, State, and Tribal Listings/Records

A partial summary of federal, state, and tribal agency records and listings reviewed/researched, including the *Standard Environmental Record Sources* required by ASTM E 1527-13, is presented below. A significant number of additional lists were reviewed; for a comprehensive listing of the agency sources researched and descriptions of the agency listings, refer to the appended database report.

Federal Databases	Search Radius	Comments
NPL Site List	1 mile	No relevant listings/records identified
Proposed NPL Site List	1 mile	No relevant listings/records identified
NPL Liens List	Subject Property	No relevant listings/records identified
Delisted NPL Site List	1 mile	No relevant listings/records identified
CERCLIS List	0.5 mile	No relevant listings/records identified
CERCLIS Federal Facility List	0.5 mile	No relevant listings/records identified
CERCLIS NFRAP Site List	0.5 mile	No relevant listings/records identified
RCRA CORRACTS Facilities List	1 mile	No relevant listings/records identified
RCRA Non-CORRACTS TSD Facilities List	0.5 mile	No relevant listings/records identified
RCRA Generators List	0.25 mile	Pacific Gas & Electric appears on this listing; see <i>Section 8.3</i>
US Engineering Controls Registry	0.5 mile	No relevant listings/records identified
US Institutional Controls Registry	0.5 mile	No relevant listings/records identified
LUCIS	0.5 mile	No relevant listings/records identified
ERNS List	Subject Property	No relevant listings/records identified

State/Tribal Databases	Search Radius	Comments
CA RESPONSE (equiv. NPL)	1 mile	No relevant listings/records identified
CA ENVIROSTOR (equiv. CERCLIS)	1 mile	No relevant listings/records identified
RWQCB SLIC List	0.5 mile	No relevant listings/records identified
Landfill/Solid Waste Disposal Site Lists	0.5 mile	The subject property appears on this listing; see <i>Section 8.2</i>
Leaking Storage Tank Lists	0.5 mile	The subject property, Campbell Soup, and the Milk Farm appear on this listing; see <i>Sections 8.2 and 8.3</i>
Registered Storage Tank Lists	0.25 mile	Campbell Soup and Chavez Trucking appear on this listing; see <i>Section 8.3</i>
Voluntary Cleanup Sites Lists	0.5 mile	No relevant listings/records identified
Brownfield Sites	0.5 mile	No relevant listings/records identified

### Local Agency Listings/Records

The Solano County Department of Resource Management (SCDRM) is the local *Certified Unified Program Agency (CUPA)* responsible for sites located within Solano County. As the local CUPA, the SCDRM is certified and responsible for oversight of the following consolidated programs: Hazardous Materials Release Response Plans and Inventories (Business Plans); California Accidental Release Program; Underground Storage Tank Program; Aboveground Petroleum Storage Act; Hazardous



Waste Generator and Onsite Hazardous Waste Treatment (tiered permitting) Programs; and, California Uniform Fire Code: Hazardous Materials Management Plans and Hazardous Material Inventory Statements. We performed research to determine whether the SCDRM maintains environmentally-relevant listings or records pertaining to the subject property; available records obtained from the SCDRM are discussed below and copies of relevant records are included in Appendix F.

## 8.2 SUBJECT PROPERTY LISTINGS/RECORDS

As shown in the appended agency database report, the subject property appears on regulatory agency listings including the *Solid Waste Information System (SWIS)* listing pertaining to the onsite abandoned landfill and the *Leaking Underground Storage Tank (LUST)* database, apparently related to the petroleum hydrocarbon case at the site attributable to a former 10,000-gallon diesel AST. The listings associated with the subject property are under the names Dixon Downs, Former Mistler Trucking, Mistler Bros., and Magna Services, Inc. We obtained and reviewed abundant records pertaining to these listings from the SCDRM and the CVRWQCB; these records, including past investigation reports and regulatory agency correspondence are summarized in *Section 6.0* of this report.

## 8.3 NEARBY SITES LISTINGS/RECORDS

Our research of agency listings and records indicates that a number of nearby sites appear on agency listings within the search radii considered (up to one mile from the subject property). We researched and reviewed agency information regarding nearby listed sites to evaluate whether readily available information would suggest the potential for environmental impairment of the subject property from off-site areas. Our research and review of agency information regarding the nearby listed sites included consideration of the following:

- the nature/type of each listing
- the proximity of these sites to the subject site
- the nature of any nearby hazardous materials violations
- the magnitude and character of nearby known contamination conditions (including details regarding contaminant type, contamination extent, affected media, and agency status).

The agency information reviewed does not indicate that any of the nearby listed sites poses a significant threat to the environmental integrity of the subject property. Notable nearby listed sites are discussed below.

### **Campbell Soup Supply Company, 8380 Pedrick Road, Dixon**

A food processing facility (Campbell Soup Supply Company) currently operates at 8380 Pedrick Road, located approximately 100 feet easterly (across Pedrick Road) from the subject property. Our review of the appended agency listing database report indicates that the Campbell Soup Supply Company site appears on a number of listings/databases related to storage tank usage, including the *Aboveground Storage Tank (AST)* database, the *Leaking Underground Storage Tank (LUST)* database, the *California Environmental Reporting System for Hazardous Waste (CERS HAZ WASTE)*, *CERS TANKS*, and *CERS* databases. The Campbell Soup Supply Company site also appears on the *Resource Conservation and Recovery Act (RCRA NONGEN)* database; non-generators do not presently generate hazardous waste. The Campbell Soup Supply Company site also appears on the *Hazardous Waste Tracking System (HWTS)* database, the *National Pollutant Discharge Elimination System (NPDES)*



database, the *California Integrated Water Quality System (CIWQS)* database, and the State of California Department of Toxic Substances Control (DTSC) *HAZNET* listing.

Our research indicates that several of the agency listings for the Campbell Soup property are related to the discovery of an unauthorized release of petroleum hydrocarbons to soil at the Campbell Soup Supply Company in 2002. During installation of a concrete slab adjacent to a former onsite 10,000-gallon diesel fuel AST, petroleum hydrocarbon staining was reportedly observed within a portion of the former AST secondary containment. The AST, previously located on the southwest corner of the Campbell Soup Supply site, reportedly was used to fuel trucks and other equipment. Subsequent groundwater investigations included the installation of five groundwater monitoring wells and one extraction well installed near the former AST and contaminated area. Groundwater sampling from the extraction well reportedly revealed elevated concentrations of petroleum hydrocarbons. Remedial action performed in 2006 included the excavation and removal of contaminated soil and the extraction of 45,000 gallons of groundwater from the excavation site. A temporary groundwater treatment system installed in December 2006 reportedly extracted, treated, and disposed of an additional 28,000 gallons of groundwater from the site. Later in 2011, product piping was discovered that previously connected the former AST to a former onsite boiler. Soil sampling conducted beneath the former product lines reportedly also revealed elevated concentrations of diesel. Subsequent remediation included the removal of the product piping lines along with the excavation of the 15.5 tons of petroleum hydrocarbon-impacted soil. Following the investigative, monitoring, and remedial work, it was determined that the remaining petroleum hydrocarbon concentrations on site were a low threat to human health and residual impact in shallow groundwater warranted a land use restriction for commercial usage. The Campbell Soup Supply site ultimately received a “No Further Action” letter 2016. Based upon this information, the limited extent of residual contamination, and the closed agency status, it does not appear that the Campbell Soup Supply site presents a significant environmental concern to the subject property.

### **Tim Smith, 8358 Pedrick Road, Dixon**

An automotive repair business (Dixon Truck & Tractor) owned by Tim Smith, is addressed as 8358 Pedrick Road, located approximately 100 feet easterly of the subject property (across Pedrick Road). Our research indicates the Tim Smith site also operated under an additional business name, Smith Truck Repair. Our review of the appended agency listing database report indicates that the Tim Smith site appears on the *Resource Conservation Recovery Act Non-generators (RCRA-NONGEN)* database; non-generators do not presently generate hazardous waste. We reviewed records for the Tim Smith site maintained by the SCDRM; the available records dated 1992 through 2017 mainly include applications, plan check documents, building permits, payment receipts, inspection reports, site maps, environmental review documents and hazardous materials inventory forms. Onsite hazardous materials at the Tim Smith reportedly included but are not limited to waste oil and diesel, solvents, batteries, and antifreeze. None of the records reviewed indicates significant violations, spills, leaks, discharges or contamination conditions. Based on the available information, it does not appear that the Tim Smith site presents a significant environmental concern to the subject property.

Our research indicates that additional business (Haughn & Son Tire Service, Inc. and Par Electrical Contractors) also operated at the site addressed 8358 Pedrick Road. We reviewed records for these businesses maintained by the SCDRM; limited available records dated 2014 to 2019 generally include billing information documents, hazardous materials inventory forms, and inspection reports. None of the records reviewed indicates significant violations, spills, leaks, discharges or contamination



conditions. Based on the available information, it does not appear that the Haughn & Son Tire Service or Par Electrical Contractors sites present a significant environmental concern to the subject property.

### **Suulutaaq, 8308 Pedrick Road, Dixon**

A former business, Suulutaaq, was addressed as 8308 Pedrick Road, located approximately 100 feet southeasterly of the subject property. Our review of the appended agency listing database report indicates the the Suulutaaq site appears on the *Resource Conservation Recovery Act Non-generators (RCRA-NONGEN)* database; non-generators do not presently generate hazardous waste. Limited information provided in the database report specifies that there are “no violations” in connection with the Suulutaaq site. Our research indicates that the property addressed as 8308 Pedrick Road also operated under an additional business, Menezes Bros, Inc. We reviewed records maintained by the SCDRM for the Menezes Bros, Inc. site; the available records dated 2015 through 2017 mainly include notices, applications, permits, and facility information documents. None of the records reviewed indicates significant violations, spills, leaks, discharges, or contamination conditions. Based on the available information, it does not appear that the Suulutaaq or Menezes Bros, Inc. sites present a significant environmental concern to the subject property.

### **Pacific Gas & Electric, 8312 Pedrick Road, Dixon**

A substation for Pacific Gas & Electric (PG&E), currently operates at the site addressed as 8312 Pedrick Road, located approximately 100 feet easterly of the subject property. Our review of the appended agency listing database report indicates that the PG&E site appears on the *Resource Conservation Recovery Act-Large Quantity Generators (RCRA-LQG)* database; large quantity generators generate 1,000 kg or more of hazardous waste, or over 1 kg of acutely hazardous waste per month. Limited information provided in the database report specifies that there are “no violations” in connection with the PG&E site. We reviewed records for the PG&E site maintained by the SCDRM; the only available record dated 1992 referred to information regarding development of the PG&E substation. Based upon the available information, it does appear that the PG&E site present a significant environmental concern to the subject property.

Additionally, our research indicates an additional business (Smith Truck Repair) previously operated on the property addressed as 8312 Pedrick Road. Our review of records for the Smith Truck Repair site maintained by the SCDRM reportedly indicates an area of petroleum hydrocarbon-contaminated soil caused by a former onsite truck washing station. Soil sampling of the contaminated area reportedly revealed very low levels of petroleum hydrocarbons and metals. Subsequent mitigation reportedly included soil excavation in the vicinity of the truck washing station. Based on the available information, minor levels of contaminants, and soil excavation, it does not appear that the Smith Truck Repair site presents a significant environmental concern to the subject property.

### **TSI Trucking, 1055 Vaughn Road, Dixon**

A trucking business, TSI Trucking, previously operated at the property addressed as 1055 Vaughn Road, located directly southerly of the subject property. Our review of the appended agency listing database report indicates that the TSI Trucking site appears on the *California Environmental Reporting System for Hazardous Waste (CERS HAZ WASTE)*, and *CERS* databases as well as the *Hazardous Waste Tracking System (HWTS)* database. Additionally, the TSI Trucking site appears on the State of California Department of Toxic Substances Control (DTSC) *HAZNET* listing; this listing is related to



the proper manifesting of hazardous wastes removed from the property for off-site disposal. The TSI Trucking site also appears on the *Resource Conservation Recovery Act Non-generators (RCRA-NONGEN)* database; non-generators do not presently generate hazardous waste. We reviewed records for the TSI Trucking site maintained by the SCDRM; the available records dated 2012 through 2019 generally include billing records, applications, receipts, compliance documents, inspection reports, email correspondence, and employee training information. None of the records indicates significant violations, spills, leaks, discharges or contamination conditions. Based upon the available information, it does not appear that the TSI Trucking site presents a significant environmental concern to the subject property.

### **Chavez Transport, Inc., 955 Vaughn Road, Dixon**

A trucking business, Chavez Transport, Inc. currently operates on the property addressed 955 Vaughn Road, located directly southerly of the subject property; our research indicates that this property has also operated under an additional business name (Chavez Trucking Company). Our review of the appended agency listing database report indicates that the Chavez Transport, Inc. site appears on a number of listings/databases related to hazardous material and storage tank uses including the *California Environmental Reporting System for Hazardous Waste (CERS HAZ WASTE)*, *CERS TANKS*, and *CERS* databases as well as the *Aboveground Storage Tank (AST)* database. Additionally, the Chavez Transport, Inc. site appears on the *Resource Conservation Recovery Act Non-generators (RCRA-NONGEN)* database; non-generators do not presently generate hazardous waste. We reviewed records for the Chavez Transport, Inc. site maintained by the SCDRM; the available records dated 1986 through 2017 mainly include billing records, receipts, compliance documents, email correspondence, facility information documents, inventory reports and employee training information. Onsite hazardous materials at the Chavez Transport, Inc. site have reportedly included diesel, engine, gear, and hydraulic oil, antifreeze, grease, transmission fluid, and gasoline. None of the records indicates any violations, spills, leaks, discharges, or contamination conditions. Based on the available information, it does not appear that the Chavez Transport, Inc. site presents a significant environmental concern to the subject property.

### **Milk Farm/Morgan's Fruit Stand, 6645/6646 Milk Farm Road, Dixon**

A former fuel service station and fruit market, Morgan's Fruit Stand, operated at the property addressed as 6645 and 6646 Milk Farm Road, located approximately 500 feet westerly of the northwesterly corner of the subject property (across Interstate 80). Our review of the appended agency listing database report indicates that the Morgan's Fruit Stand site appears on a number of listings/databases related to underground storage tank (UST) operations, including the *Underground Storage Tank (UST)* and *Leaking Underground Storage Tank (LUST)* databases, the *Statewide Environmental Evaluations Planning System (SWEEPS) Underground Storage Tank (UST)* database, the *Historical CORTESE* list, and the *Notify 65* listing. Our research indicates that these listings are related to an unauthorized release of petroleum hydrocarbons discovered upon the removal of two 10,000-gallon gasoline USTs in May 1989; a 500-gallon waste oil UST was also removed during site demolition later that year. Subsequent work following the UST removals included subsurface investigation including soil borings, installation of a groundwater monitoring well, soil vapor sampling in the vicinity of the former USTs and dispenser islands, were reportedly conducted from 1990 through 2011. Soil sampling and soil vapor sampling reportedly revealed low to non-detectable levels of residual petroleum hydrocarbons in onsite soils and soil vapor. Based on this information, it was determined that the low concentrations of petroleum hydrocarbons remaining in soil was not a threat



to groundwater, and the Morgan's Fruit Stand site received a "No Further Action" (NFA) letter in 2014. Given this information, and the closed agency status, it does not appear that the Morgan's Fruit Stand site presents a significant environmental concern to the subject property.

## 9.0 SIGNIFICANT DATA GAPS

Environmental assessment data gaps may affect the ability to identify recognized environmental conditions. Data gaps may include the inability to access relevant on-site structures or to communicate with individuals knowledgeable of the subject property or nearby contamination conditions. Lack of adequate historical information sources can also result in data gaps. In general, minor data gaps do not hinder an environmental professional's ability to render an opinion regarding potential environmental conditions associated with the subject property. There were no significant data gaps identified for this study.

## 10.0 FINDINGS, OPINIONS, AND CONCLUSIONS

Brusca Associates, Inc. has performed *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Standard E 1527-13 of the Pedrick Road Property identified by the Solano County Assessor's Office as APN 0111-080-050 and 0111-040-010, -020, -030 and -040. Any exceptions to, or deletions from, this practice are described in *Section 1.4* of this report. This assessment has revealed no evidence of existing, controlled, or historical recognized environmental conditions in connection with the property, except for the following:

- It is indicated that an open pit was excavated within the far westerly portion of the former Mistler Farm facility on the subject property around the early 1970s, and that various wastes were disposed/landfilled in the pit. Testing of the waste materials indicates that most or all of the landfilled materials may be characterized as a California hazardous waste for disposal purposes. The results of testing native soils underlying the landfill and groundwater beneath and near the landfill do not indicate significant impact conditions. VOCs were detected in soil gas samples collected from the area of the landfill; however, the data suggest that these conditions potentially could be mitigated via removal of the landfilled wastes and excluding future residential and other sensitive use from the affected area. Due to the identified contaminant conditions and the open regulatory agency status, the abandoned landfill at the subject site is considered a *recognized environmental condition*.
- Past investigations in the area of a former 10,000-gallon diesel AST within the former Mistler Farm facility at the subject property identified diesel impact to soil and groundwater. Subsequently, remedial soil excavation was performed in this area and groundwater monitoring wells were installed and sampled/tested over a period of time. Following the remedial and monitoring activities, a No Further Action (NFA) Request report for the AST petroleum hydrocarbon contamination case was prepared in 2011. The CVRWQCB recently reviewed the NFA request and case files related to the AST release and cleanup and determined that further environmental work related to the release is not necessary, other than the proper destruction of the groundwater monitoring wells at the site. As such, the onsite petroleum hydrocarbon contamination case associated with the former 10,000-gallon diesel AST is



considered a *historical recognized environmental condition*, assuming that the groundwater monitoring wells will be properly removed.

The minor soil and groundwater impacts detected in the area of the former onsite Mistler Farm facility are considered *de minimis conditions*, provided that the former farm facility area is not subject to residential or other sensitive uses, and that drinking water wells are not installed in that area.

## 11.0 STATEMENT OF QUALIFICATIONS

Brusca Associates, Inc. is a multi-disciplinary geoscience consulting firm serving private and public-sector clients throughout Central and Northern California, and beyond. The firm specializes in environmental assessment and engineering geology consulting related to property acquisition, finance, due diligence, development, and regulatory compliance. Environmental services include: initial site assessment; soil, soil gas, and groundwater investigations; site characterization; groundwater monitoring; remedial feasibility studies; remedial design; and, clean-up oversight.

The Environmental Specialist for this study, Alycia Cridebring, holds a Bachelor of Science degree in Environmental Science and Management from the University of California at Davis, California. Ms. Cridebring has been an Environmental Specialist for Brusca Associates, Inc. since 2017.

The firm's founder and President, Joe Brusca, directly oversees all firm operations. Mr. Brusca holds a Bachelor of Science degree in Geology from the University of California at Davis, California, is a Professional Geologist and Certified Engineering Geologist in the State of California, and has over 30 years of environmental and geological consulting experience spanning a broad range of geographic areas, project types, and client needs. Mr. Brusca and key staff are certified for Hazardous Waste Site Operations training in accord with 29 CFR 1910.120.

## 12.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professionals as defined in §312.10 of 40 CFR 312. An *Environmental Professional* is “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 on, at, in, or to a property, sufficient to meet the objectives and performance factors in §312.20(e) and (f) of 40 CFR 312.”



### 13.0 CLOSING

If you have any questions or require additional information, please contact the undersigned at (916) 677-1470.

Sincerely,

**BRUSCA ASSOCIATES, INC.**

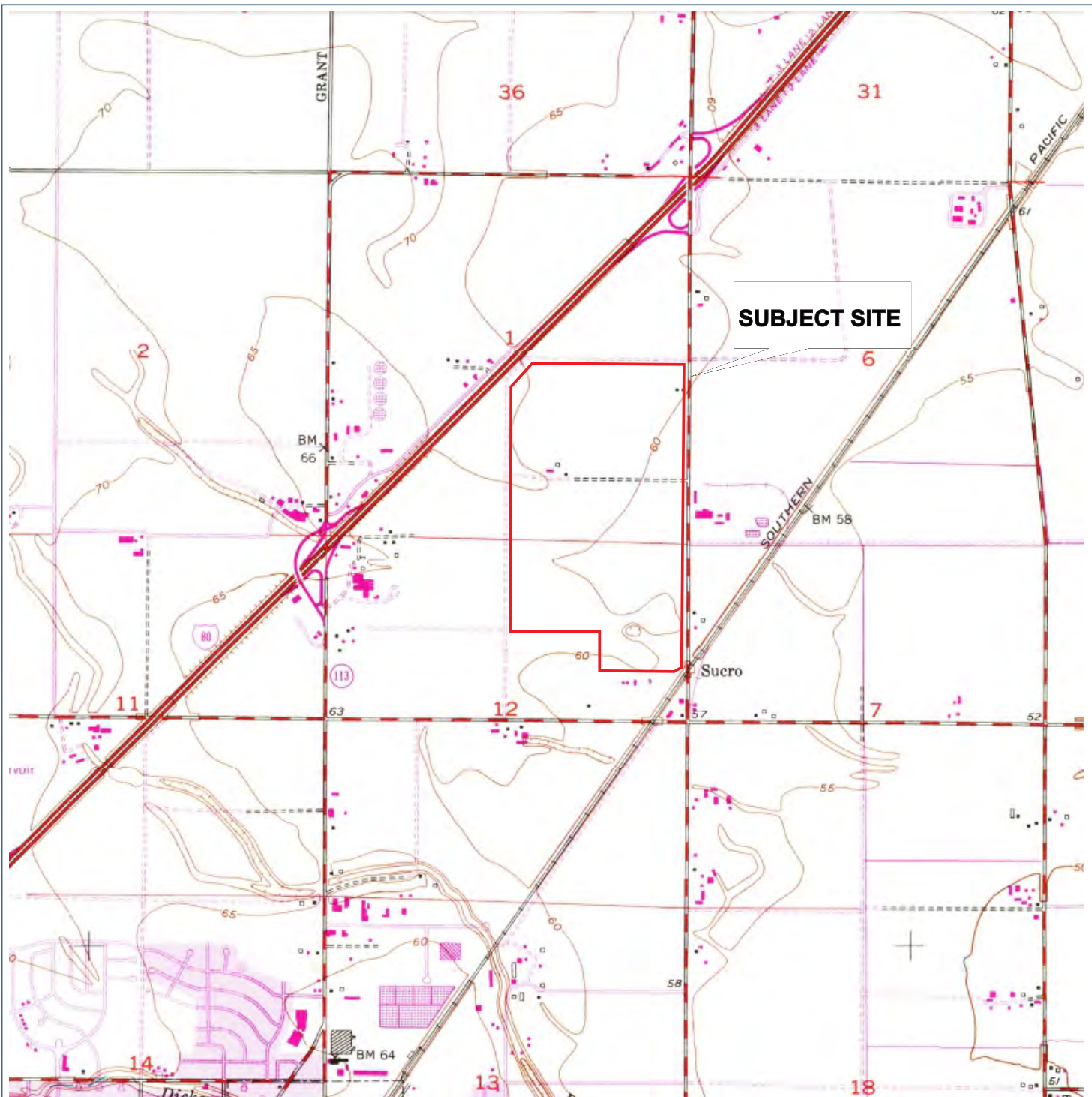
*Alycia Cridebring*  
Alycia Cridebring  
Environmental Specialist

*Joe Brusca*

Joe Brusca  
Principal Engineering Geologist  
Certified Engineering Geologist No. 1948







SOURCE: U.S.G.S. 7.5-minute Dixon Quadrangle, California, 1981  
 Scale 1:24,000



**Brusca**  
 Associates, Inc.

Environmental Engineering Geology  
 1860 Sierra Gardens Drive, # 332  
 Roseville, CA 95661  
 ph (916) 677-1470 fax (916) 677-1471  
 BruscaAssociates.com

**PEDRICK ROAD PROPERTY**

**8405 Pedrick Road  
 Dixon, California**

**Brusca Project No. 347-001**

**VICINITY MAP**

**PLATE 1**



--- Approximate boundary of subject property

All features and locations are approximate only



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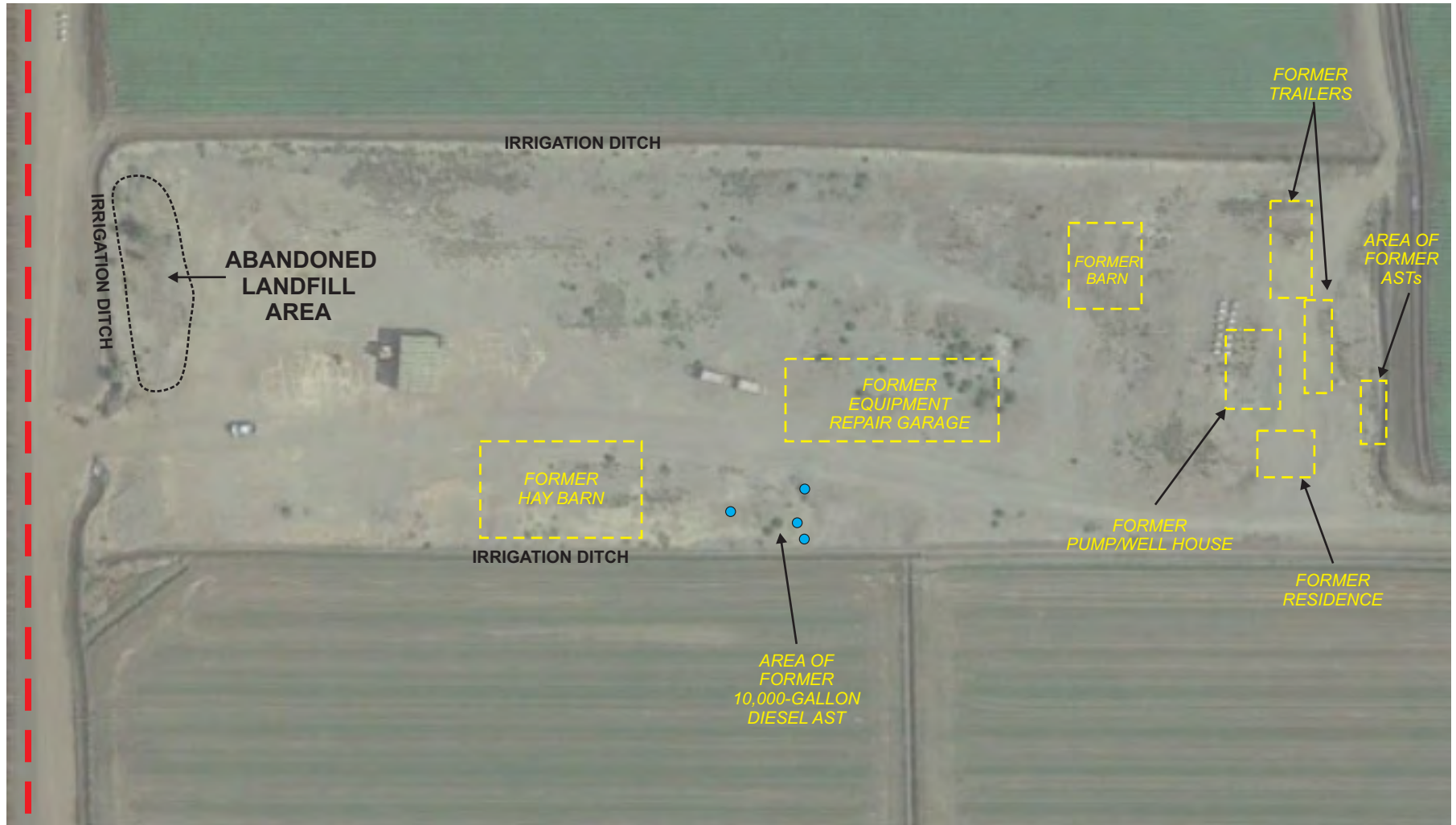
**PEDRICK ROAD PROPERTY**

**8405 Pedrick Road  
Dixon, California**

**Brusca Project No. 347-001**

**SITE MAP**

PLATE 2



- - - - - Approximate westerly boundary of subject property
- - - - - Previous farm structures/features shown in yellow
- ..... Approximate limit of abandoned landfill
- Groundwater monitoring well related to AST petroleum hydrocarbon contamination case



All features and locations are approximate only


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 BruscaAssociates.com

PEDRICK ROAD PROPERTY

8405 Pedrick Road  
Dixon, California

Brusca Project No. 347-001

**FORMER MISTLER  
FARM FACILITY**

PLATE 3

## **APPENDIX A – Photographs**

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Southerly view from northeast corner of site



Westerly view from northeast corner of site



Northerly view from southeast corner of site



Westerly view from southeast corner of site



Easterly view from southwest corner of site



Northerly view from southwest corner of site



Irrigation canal located on southwesterly portion of site



Irrigation water well located on southwesterly portion of site



Abandoned landfill and former Mistler Farm facility area on northwesterly portion of site



Abandoned landfill area located on northwesterly portion of site



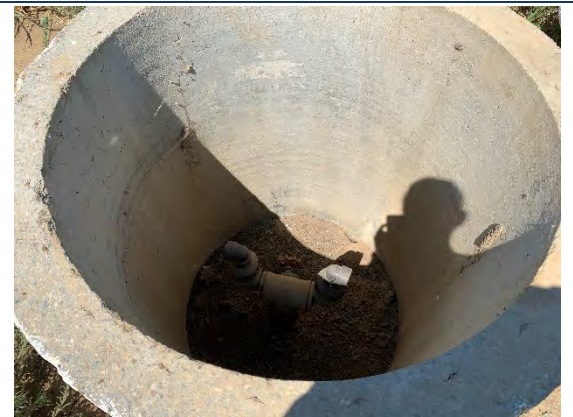
Easterly view of central portion of site



Driveway entrance to area of the former Mistler Farm portion of the property



Irrigation water control features on westerly portion of the property



Irrigation water control feature on westerly portion of the property



Pole-mounted electrical transformers on northeasterly portion of the property



Onsite farmland



Onsite farmland



Onsite farmland

## **APPENDIX B – User Questionnaire**

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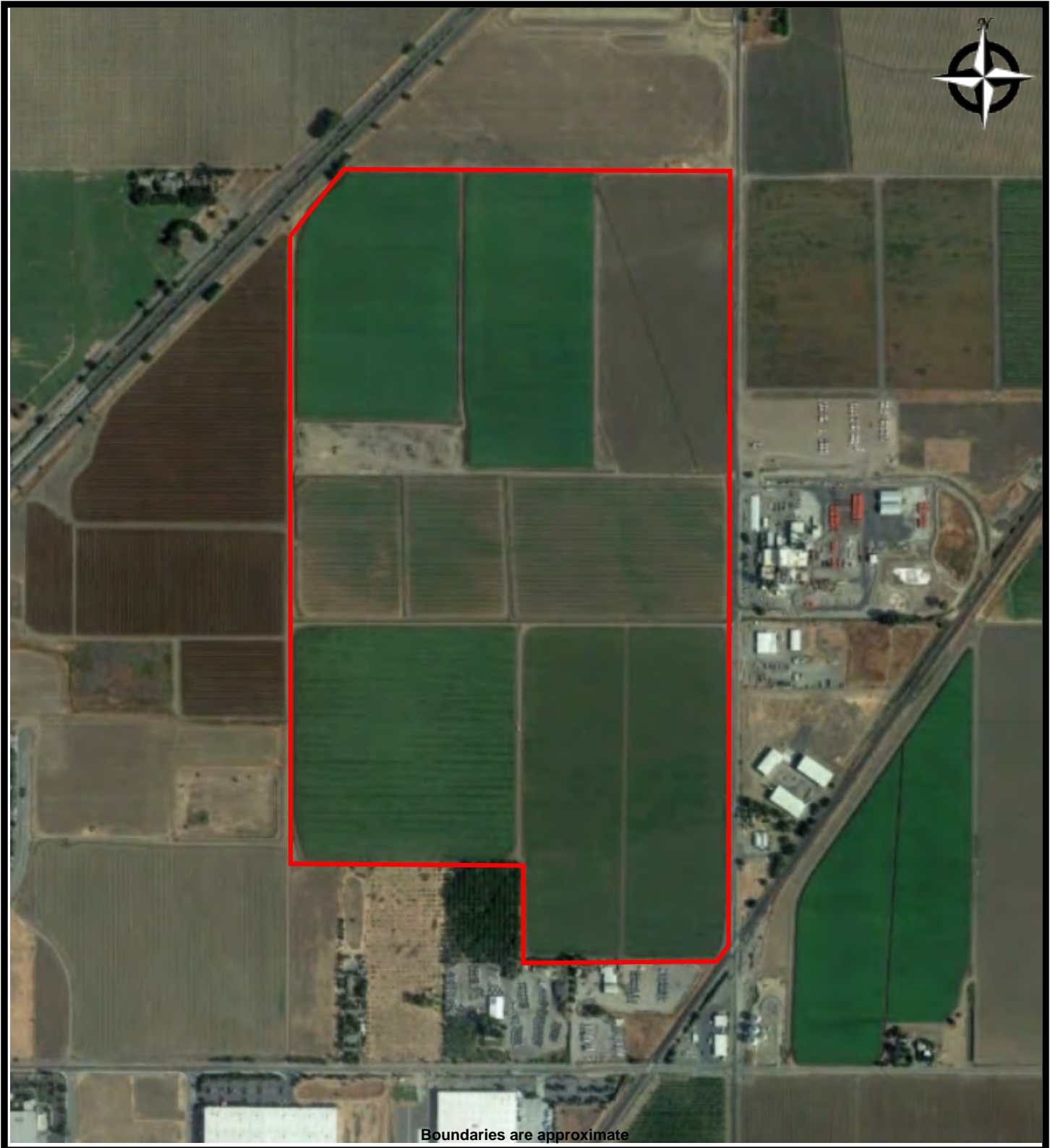
- *No User Questionnaire provided*



## **APPENDIX C – Historical Information**

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- Aerial Photographs
- Topographical Quadrangle Maps
- Sanborn Fire Insurance Map Report
- Historical City Directories



Boundaries are approximate



**AERIAL PHOTOGRAPH - 2018**  
**PEDRICK ROAD PROPERTY**  
8405 Pedrick Road  
Dixon, California 95620

**PREPARED FOR: 5G Consulting Group, LLC**  
**PROJ. MGR: Joe Brusca**  
**DRAWN BY: AC**

**DATE: 6/15/2020**  
**PROJ. #: 347-001**



AERIAL PHOTOGRAPH - 2016  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC

DATE: 6/15/2020  
PROJ. #: 347-001



AERIAL PHOTOGRAPH - 2012  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC

DATE: 6/15/2020  
PROJ. #: 347-001



AERIAL PHOTOGRAPH - 2009  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

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DATE: 6/15/2020  
PROJ. #: 347-001



Boundaries are approximate



AERIAL PHOTOGRAPH - 2006  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC

DATE: 6/15/2020  
PROJ. #: 347-001



**AERIAL PHOTOGRAPH - 1993  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620**

**PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC**

**DATE: 6/15/2020  
PROJ. #: 347-001**



Boundaries are approximate



AERIAL PHOTOGRAPH - 1984  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
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DATE: 6/15/2020  
PROJ. #: 347-001





AERIAL PHOTOGRAPH - 1974  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
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DATE: 6/15/2020  
PROJ. #: 347-001



Boundaries are approximate



AERIAL PHOTOGRAPH - 1968  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC

DATE: 6/15/2020  
PROJ. #: 347-001



Boundaries are approximate



**AERIAL PHOTOGRAPH - 1952  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620**

**PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC**

**DATE: 6/15/2020  
PROJ. #: 347-001**



Boundaries are approximate



**AERIAL PHOTOGRAPH - 1937  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620**

**PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC**

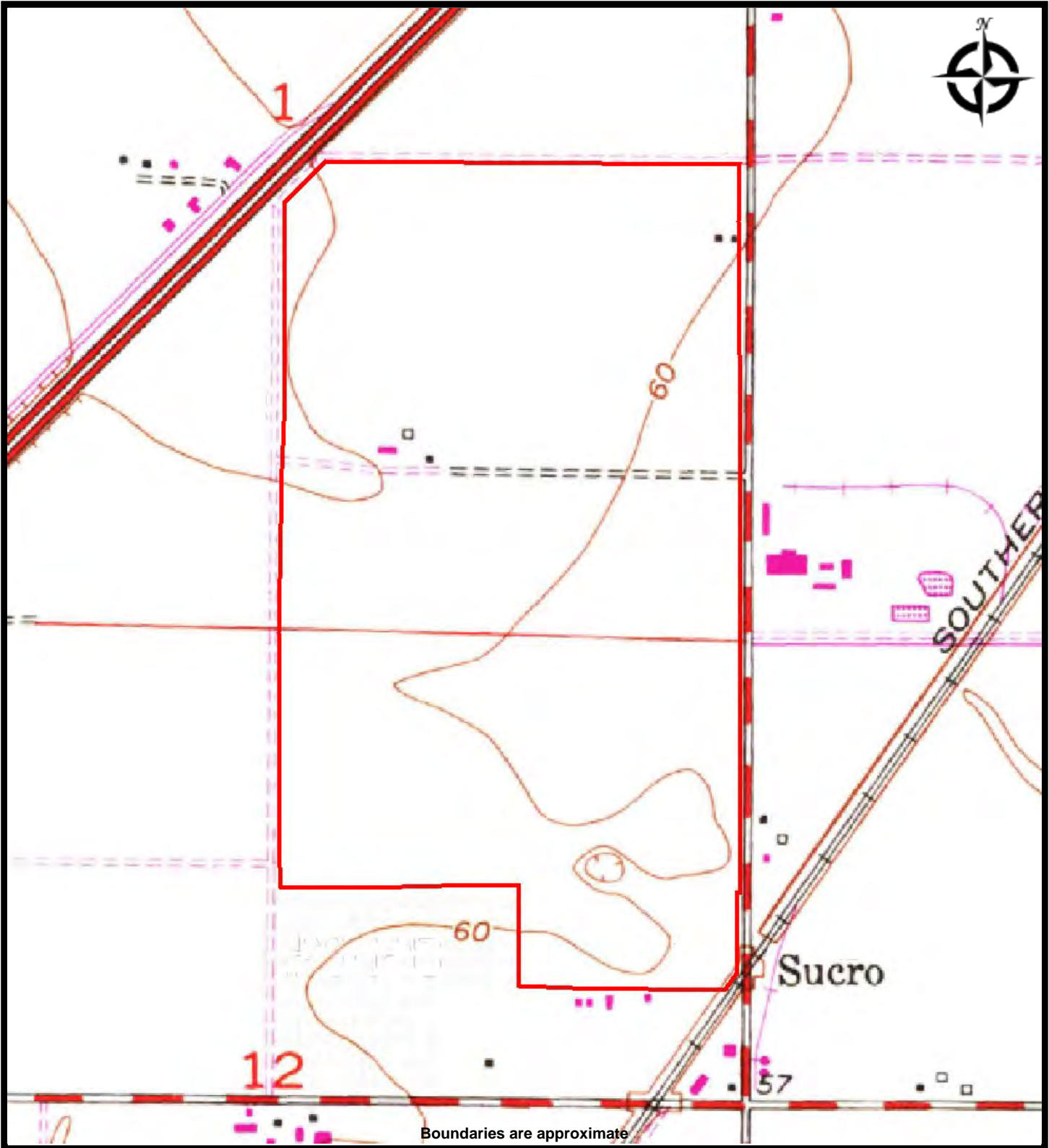
**DATE: 6/15/2020  
PROJ. #: 347-001**



TOPO MAP - 2012  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC

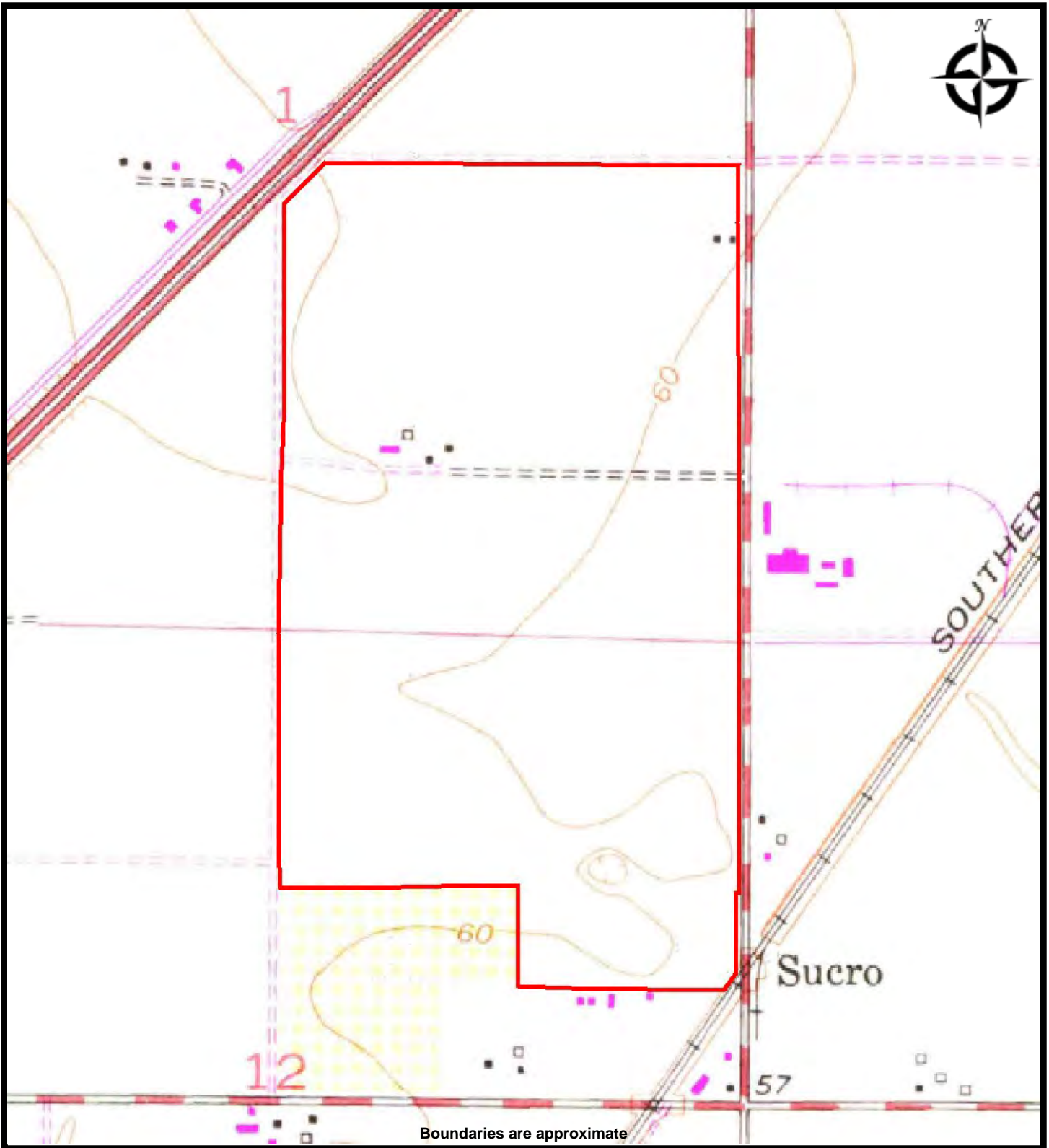
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PROJ. #: 347-001



TOPO MAP - 1981  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

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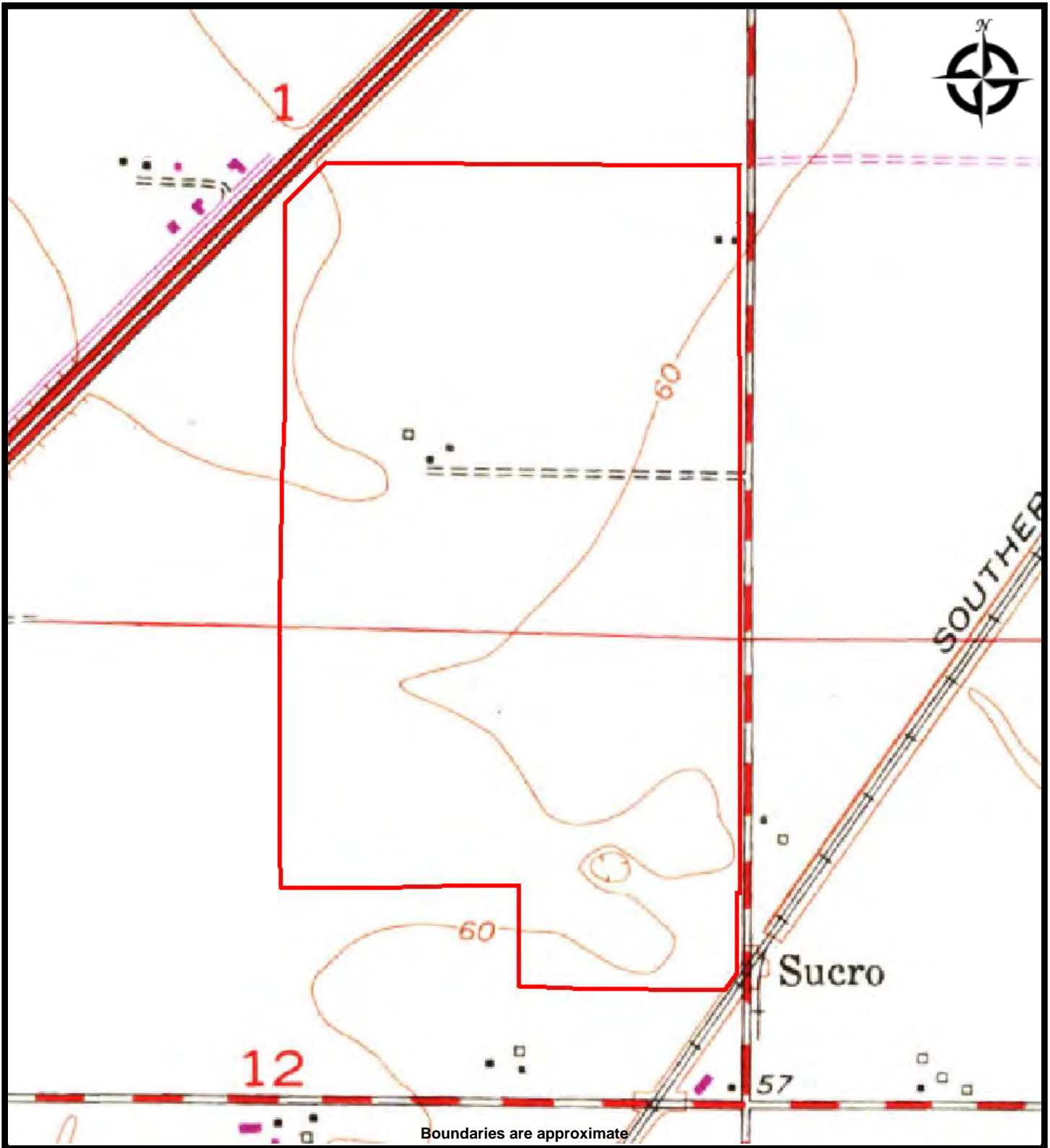
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PROJ. #: 347-001



TOPO MAP - 1975  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

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DATE: 6/15/2020  
PROJ. #: 347-001



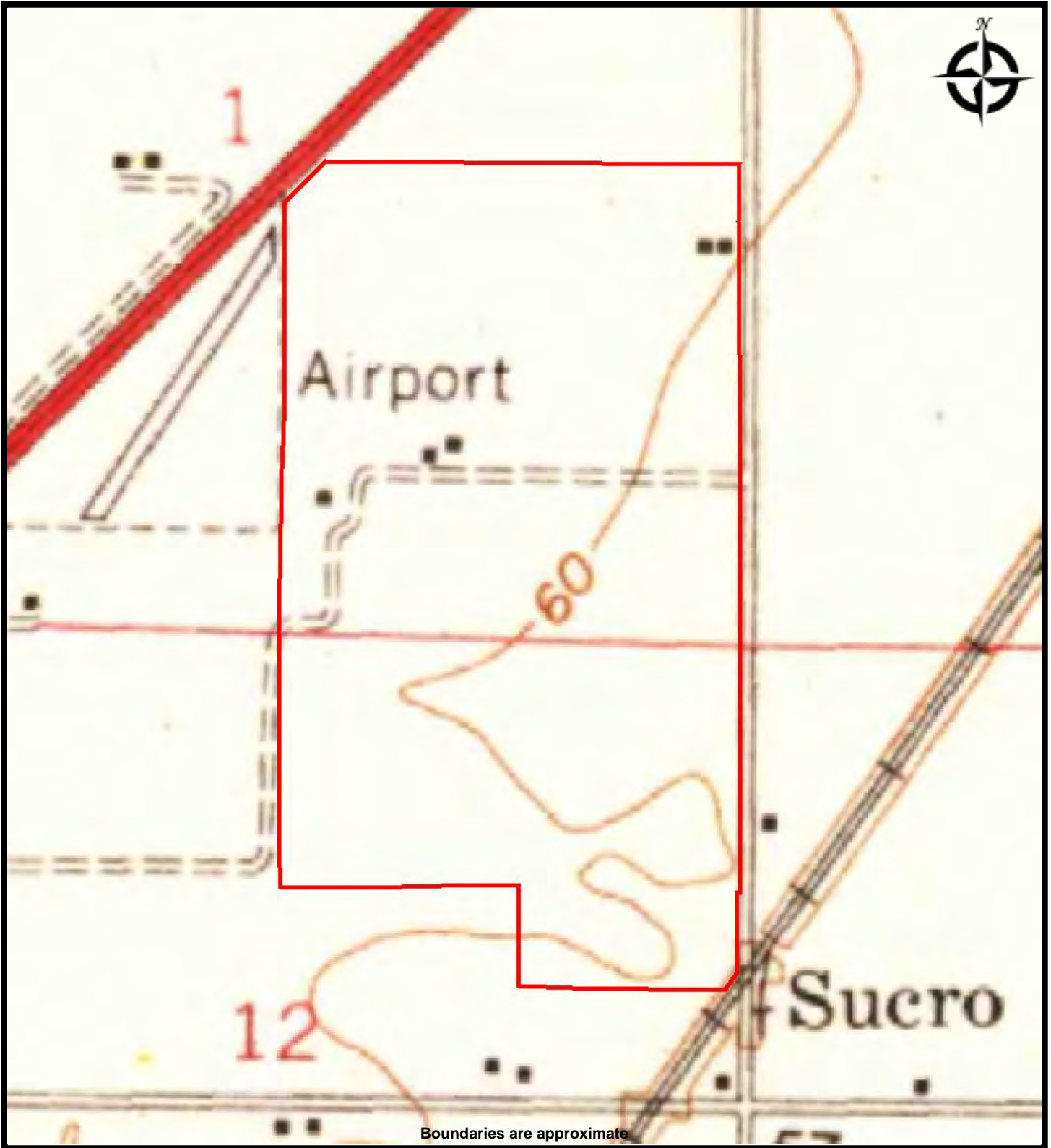
**Brusca**  
Associates, Inc.  
Environmental Engineering Geology

TOPO MAP - 1968  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC

DATE: 6/15/2020  
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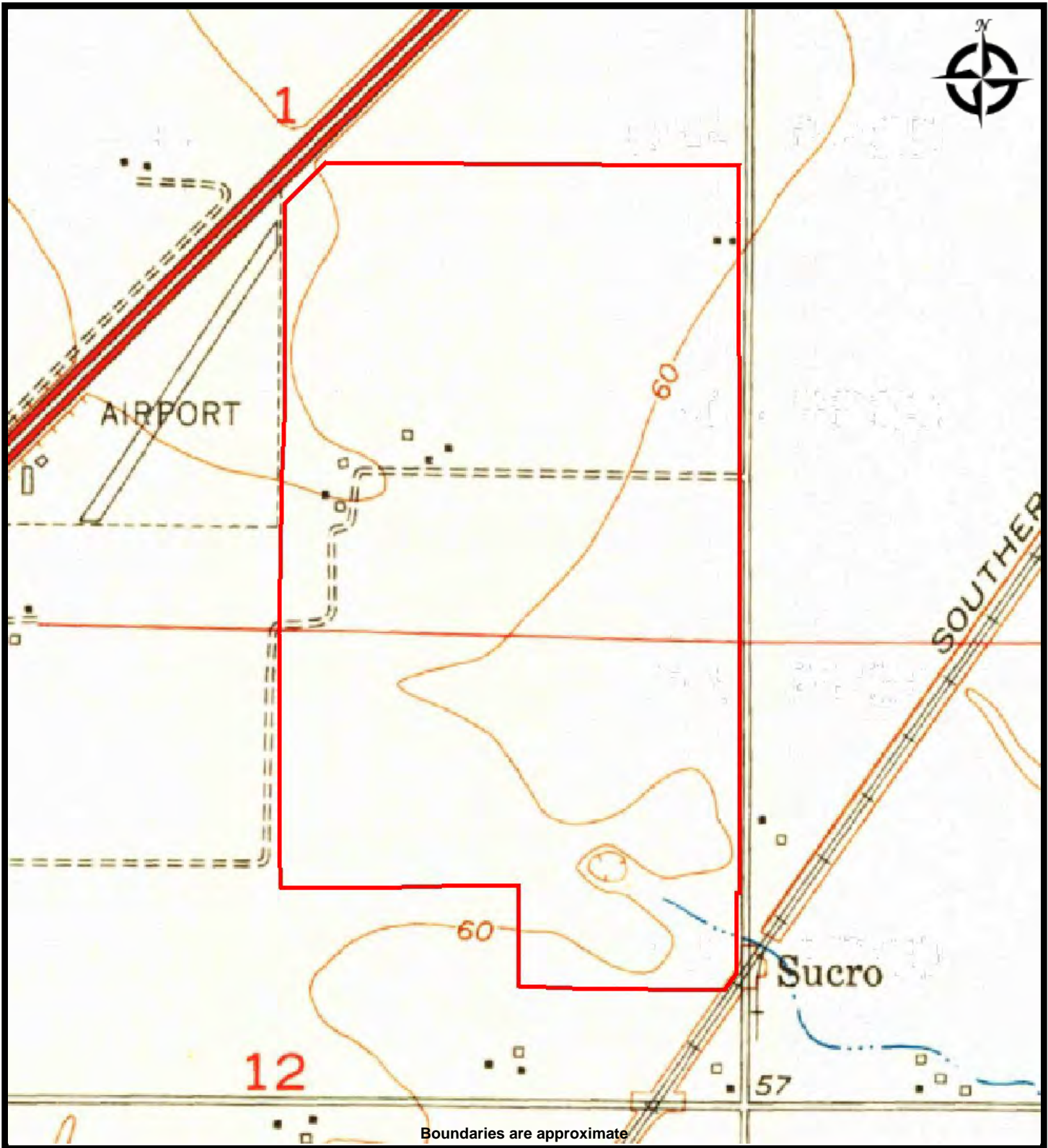




TOPO MAP - 1953  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
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DATE: 6/15/2020  
PROJ. #: 347-001

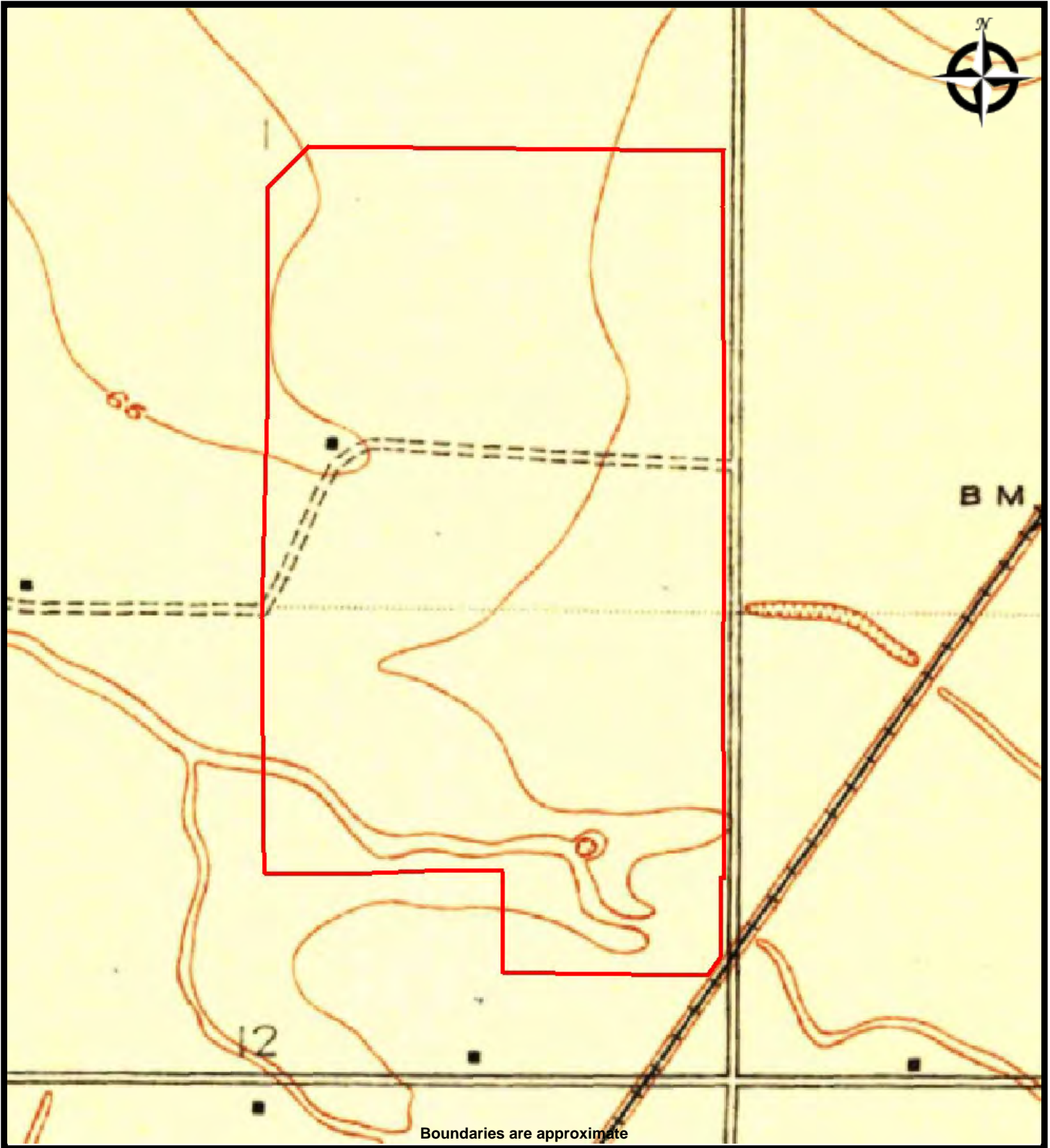


**Brusca**  
Associates, Inc.  
Environmental Engineering Geology

TOPO MAP - 1952  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC

DATE: 6/15/2020  
PROJ. #: 347-001

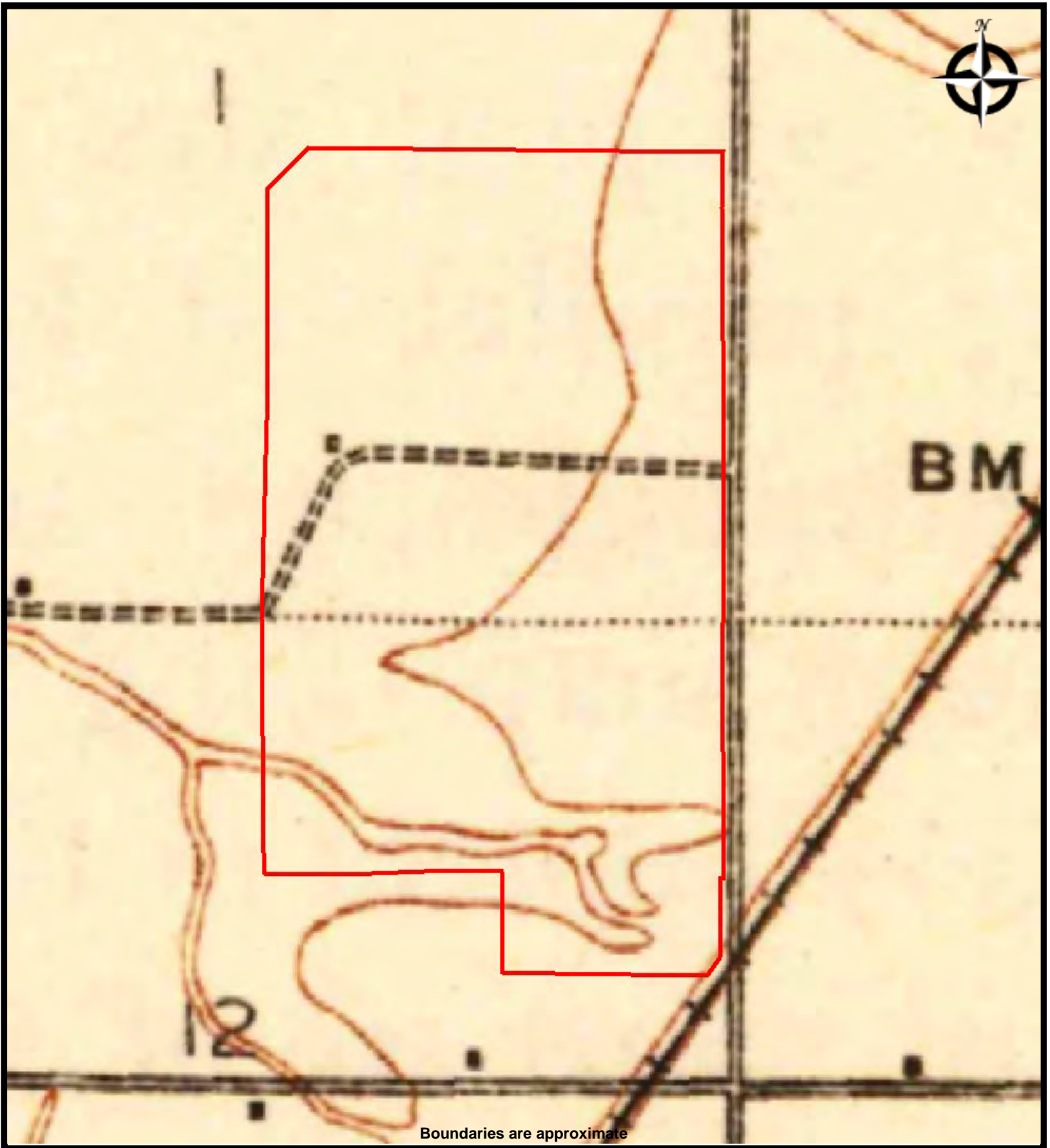


**Brusca**  
Associates, Inc.  
Environmental Engineering Geology

TOPO MAP - 1916  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC


DATE: 6/15/2020  
PROJ. #: 347-001



TOPO MAP - 1908  
PEDRICK ROAD PROPERTY  
8405 Pedrick Road  
Dixon, California 95620

PREPARED FOR: 5G Consulting Group, LLC  
PROJ. MGR: Joe Brusca  
DRAWN BY: AC

DATE: 6/15/2020  
PROJ. #: 347-001



Pedrick Road Property

8405 Pedrick Road

Dixon, CA 95620

Inquiry Number: 6086870.3

June 09, 2020

## Certified Sanborn® Map Report



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

# Certified Sanborn® Map Report

06/09/20

**Site Name:**

Pedrick Road Property  
8405 Pedrick Road  
Dixon, CA 95620  
EDR Inquiry # 6086870.3

**Client Name:**

Brusca Associates, Inc.  
PO Box 332  
Roseville, CA 95661  
Contact: Joe Brusca



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

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

## Certified Sanborn Results:

**Certification #** 0338-4F67-BB34

**PO #** NA

**Project** Pedrick Road Property

### UNMAPPED PROPERTY

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



Sanborn® Library search results

Certification #: 0338-4F67-BB34

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

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

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**Pedrick Road Property**

8405 Pedrick Rd  
Dixon, CA 95620

Inquiry Number: 6086870.5  
June 22, 2020

# The EDR-City Directory Image Report

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Executive Summary

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*Thank you for your business.*  
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with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1986	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1981	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1977	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

## FINDINGS

### TARGET PROPERTY STREET

8405 Pedrick Rd  
Dixon, CA 95620

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

### PEDRICK RD

2017	pg A1	EDR Digital Archive	
2014	pg A2	EDR Digital Archive	
2010	pg A3	EDR Digital Archive	
2005	pg A4	EDR Digital Archive	
2000	pg A6	EDR Digital Archive	
1995	pg A8	EDR Digital Archive	
1992	pg A9	EDR Digital Archive	
1986	pg A10	Haines Criss-Cross Directory	
1981	pg A11	Haines Criss-Cross Directory	
1977	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source
1975	-	Haines Criss-Cross Directory	Target and Adjoining not listed in Source

## FINDINGS

### CROSS STREETS

No Cross Streets Identified

## **City Directory Images**

**PEDRICK RD 2017**

5814	EMIGH, ERIC M
5972	ALVARADO, JESUS V
6071	VEATCH, CONNOR L
6178	HERNANDEZ, EFRAIN
6188	HERNANDEZ, ALEJANDRO M
6347	ASAY, DONNA K
6378	CALESTINI, STEVE R
6447	MORENO, DAVID
6451	HORIGAN, DAVID J
6519	GREEN, JOANNE L
6521	HORIGAN, TIMOTHY C
6690	CHAVEZ, MARGARITO R
6915	OVERAA CONSTRUCTION
7032	CONTRERAS, MANUEL M
7134	MORRIS, SUSAN D
7401	CASTANIAS, RICHARD A
7444	ROBBEN, DUSTIN L
7462	ROBBEN, WILLIAM A
7500	ROBBEN, JENNA A
7570	DELATORRE, LETICIA
7631	BEI, SPENCER M
7690	LANGLOIS, BARBARA A
7696	MORALES, ANTONIO G
7699	DIXON TRACTOR & GRAVEL
7869	SMITH, GREGORY C
7925	TIMM PETER H DVM MPVM
7942	RAMIREZ, JOSE
8060	FORBES, DANIEL
8124	GONZALEZ, JUAN
8168	SARAGOSA, LOUIS M
8235	GREINER HEATING AIR SOLAR ENERGY IN
8665	76
8725	NELSON, KATHERINE R
8749	DIXON Y MACHINE INC
	TRI STAR METALS
8751	GROWERS AG
8757	YOLO LAND & CATTLE CO
8761	GREEN BELT CARRIERS

**PEDRICK RD 2014**

5814 EMIGH, MARTIN J  
 5972 ALVARADO, JESUS V  
 6071 DY, SUSANNAH  
 6188 COMBER, DAVID B  
 6199 LARSON, BRETT  
 6378 CALESTINI, STEVE R  
 6447 ANGUIANO, ESTHER  
 6451 HORIGAN, DAVID J  
 6519 GREEN, JOANNE L  
 6521 HORIGAN, TIMOTHY C  
 6690 OCCUPANT UNKNOWN,  
 6770 ALVAREZ, FRANCISCO  
 7032 CONTRERAS, MANUEL M  
 7134 MORRIS, ROBERT G  
 7401 CASTANIAS, RICHARD P  
 7444 ROBBEN, LEON W  
 7462 CHERVINSKAS, MICHELLE A  
 7500 ROBBEN, DUSTIN L  
 7570 OCCUPANT UNKNOWN,  
 7601 OCCUPANT UNKNOWN,  
 7631 BEI, SPENCER M  
 7690 OCCUPANT UNKNOWN,  
 7696 OCCUPANT UNKNOWN,  
 7699 DIXON TRACTOR & GRAVEL  
 7850 OCCUPANT UNKNOWN,  
 7869 JOHNSTON, RUSSELL R  
 7925 DIXON VETERINARY CLINIC  
 TIMM PETER H DVM MPVM  
 TIMM, PETER H  
 7942 OCCUPANT UNKNOWN,  
 8060 FORBES, DANIEL  
 THOMAS, MATTHEW A  
 WEBB, ANNA  
 8120 WILLIAMS, GLENN M  
 8124 GONZALEZ, JUAN  
 8128 OCCUPANT UNKNOWN,  
 8168 MARTINEZ, JESUS R  
 8174 SARAGOSA, LORI A  
 8235 GREINER HEATING & AIR CONDITIONING  
 8308 OCCUPANT UNKNOWN,  
 8358 DIXON TRUCK & TRACTOR  
 HAUGHN & SON TIRE  
 8725 NELSON, KATHERINE R  
 8749 DIXON Y MACHINE INC  
 TRI STAR METALS  
 8751 GROWERS AG  
 8757 YOLO LAND & CATTLE CO  
 8761 GREEN BELT CARRIERS

**PEDRICK RD 2010**

5814 EMIGH, MARTIN J  
 5972 ALVARADO, JESUS V  
 6071 WOOD, CHRISTINA  
 6188 COMBER, DAVID B  
 6199 LARSON, LARRY L  
 6347 RAYN, MILTON  
 6378 OCCUPANT UNKNOWN,  
 6447 ANGUIANO, ESTHER  
 6451 HORIGAN, DAVID J  
 6521 HORIGAN, TIMOTHY C  
 6690 CHAVEZ, MARGARITO R  
 6692 OCCUPANT UNKNOWN,  
 6725 PEDRICK, MABEL  
 7032 CONTRERAS, MANUEL M  
 7134 OCCUPANT UNKNOWN,  
 7177 NUNES, P C  
 7401 CASTANIAS, RICHARD P  
 7444 ROBBEN, LEON W  
 7462 ROBBEN, WILLIAM A  
 7500 OCCUPANT UNKNOWN,  
 7570 DELATORRE, LETICIA  
 7601 ROMANI, GENEVIEVE M  
 7625 ROMANI, EVA M  
 7631 BEI, SPENCER M  
 7690 OCCUPANT UNKNOWN,  
 7696 OCCUPANT UNKNOWN,  
 7850 OCCUPANT UNKNOWN,  
 7869 JOHNSTON, RUSSELL R  
 7900 OCCUPANT UNKNOWN,  
 7925 TIMM, PETER H  
 7942 VRAA, DANIEL V  
 8060 DUTRA, JAMES E  
 PARTAIN, RUSSELL  
 PEREZ, RAMON  
 8120 CRUZ, ORTEGA S  
 8124 OCCUPANT UNKNOWN,  
 8128 GONZALEZ, JUAN  
 8168 RIOS, JESUS  
 8174 MANZANO, VICTOR  
 8358 DIXON TRUCK & TRACTOR  
 8665 DIXON 76  
 8725 NELSON, KATHERINE R  
 8749 DIXON Y MACHINE INC  
 TRI STAR METALS  
 8751 GROWERS AG SVC INC  
 8757 INTERNATIONAL LINE BUILDERS  
 YOLO LAND & CATTLE CO  
 8761 GREEN BELT CARRIERS

## PEDRICK RD      2005

5814	EMIGH, MARTIN J MJ LIVESTOCK
5972	ALVARADO, JESUS
6178	SAVAGE, RUSS
6188	COMBER, DAVID B MOSEY DOE CREATIONS
6199	LARSON, LARRY L
6378	OCCUPANT UNKNOWN,
6521	HORIGAN, TIMOTHY C
6690	OCCUPANT UNKNOWN,
6692	OCCUPANT UNKNOWN,
6725	PEDRICK, MABEL
6770	OCCUPANT UNKNOWN,
7032	CONTRERAS, MANUEL M
7177	NUNES, P C
7340	CONTRERAS, MANUEL
7401	CASTANIAS, RICHARD P
7444	LEON ROBBEN ROBBEN, LEON W
7462	ROBBEN, WILLIAM A
7570	GUTIERREZ, ROGER G
7601	ROMANI, GENEVIEVE M
7625	ROMANI, EVA M
7631	OCCUPANT UNKNOWN,
7690	ANDERSON, JOE F
7696	OCCUPANT UNKNOWN,
7699	KETT, MIKE J
7850	OCCUPANT UNKNOWN,
7869	JOHNSTON, RUSSELL R
7900	OCCUPANT UNKNOWN,
7925	DIXON VETERINARY CLINIC TIMM PETER H TIMM DVM MPVM TIMM, PETER H
7934	OCCUPANT UNKNOWN,
8060	DUTRA, JAMES E PEREZ, RAMON TEMPEY, ANNE R
8120	LEAL, ARNULFO J
8124	OCCUPANT UNKNOWN,
8128	GONZALEZ, JUAN
8168	SARAGOSA, LOUIS M
8174	SARAGOSA, L A
8235	GREINER HEATING & AC
8308	MCINTYRE, IDELL J
8358	DIXON TRUCK & TRACTOR SMITH, TIMOTHY S
8405	OCCUPANT UNKNOWN,
8725	OCCUPANT UNKNOWN,
8749	CLOUSE, ROBERT W DIXON Y MACHINE INC



**PEDRICK RD**

**2005**

**(Cont'd)**

8751 GROWERS AG SERVICE INC  
8757 TRIPLE M GRADING  
8761 GREEN BELT CARRIERS

**PEDRICK RD 2000**

5814 EMIGH, MARTIN  
 5972 ALVARADO, JESUS  
 6188 COMBER, DAVID B  
 6199 BOLIN, ALLEN  
 6347 RAYN, MILTON  
 6378 CALESTINI, STEPHEN  
 6447 ROBERTSON, JAMES M  
 6451 OCCUPANT UNKNOWN,  
 6521 HORIGAN, TIM  
 7177 BROWN, BEVERLY S  
 7401 KANEMOTO, LESLIE T  
 7444 ROBBEN, LEON  
 7500 ROBBEN, CHUCK  
 7570 GUTIERREZ, ROGER  
 MYERS, TAMARA L  
 7625 ROMANI, GUIDO  
 7690 ANDERSON, JOE F  
 7696 OCCUPANT UNKNOWN,  
 7699 DIXON TRACTOR & GRAVEL  
 KETT, MIKE  
 7840 OCCUPANT UNKNOWN,  
 7850 RIOS, ROBERTO M  
 7869 JOHNSTON, RUSSELL R  
 7925 DIXON VETERINARY CLINIC  
 TIMM PETER H DVM MPVM OFFICE  
 7934 ALVARADO, SONIA P  
 8060 DUTRA, EVELYN  
 8120 INNISFAIL DAIRY  
 OCCUPANT UNKNOWN,  
 8124 LEAL, ARNULFO  
 8128 GONZALEZ, JUAN  
 8168 MARTINEZ, J  
 RIOS, JESUS  
 SARAGOSA, L M  
 VANETTI, MARY A  
 8235 GREINER HEATING & AIR CONDITIONING  
 OCCUPANT UNKNOWN,  
 8250 OCCUPANT UNKNOWN,  
 8308 MCINTYRE, IDELL J  
 8405 SMITH, JEFF M  
 WEBB, BILL  
 8475 OCCUPANT UNKNOWN,  
 8725 OCCUPANT UNKNOWN,  
 8749 CLOUSE, ROBERT  
 DELANEY, BARBARA  
 DIXON Y MACHINE INCORPORATED  
 TRI STAR METALS  
 8751 GROWERS AG SERVICE INCORPORATED  
 GROWERS AG SERVICE INCORPORATED OR  
 8757 TRI VALLEY GROWERS

**PEDRICK RD**

**2000**

**(Cont'd)**

8761 GREEN BELT CARRIERS

**PEDRICK RD 1995**

5972	OCCUPANT UNKNOWNN
6178	COMBER, DAVID C
6188	COMBER, DAVID B
6347	RAYN, MILTON
6378	CALESTINI, STEPHEN
6447	HORIGAN, JOHN L
6521	HORIGAN, TIM
6690	OCCUPANT UNKNOWNN
7340	CONTRERAS, MANUEL
7401	CASTANIAS, RICHARD P
7444	ROBBEN, LEON
7500	ROBBEN, CHUCK
7570	OCCUPANT UNKNOWNN
7601	OCCUPANT UNKNOWNN
7625	ROMANI, GUIDO
7690	ANDERSON, JOE F
7699	REHRMANN, HENRY
7869	JOHNSTON, RUSSELL R
7900	OCCUPANT UNKNOWNN
7925	DIXON VETERINARY CLINIC
7934	OCCUPANT UNKNOWNN
7942	SAWYER, NEAT
8060	DUTRA, HERB
8120	INNISFAIL DAIRY
	LYNDE, DAN
8124	LEAL, ARNULFO
8128	OCCUPANT UNKNOWNN
8168	RIOS, JESUS
	SARAGOSA, L M
8174	VANETTI, MARY A
8308	JOHNSON, ELNORA
8312	SMITHS TRUCK REPAIR
8380	DIXON CANNING CORP
8405	BOB MISTLER TRUCKING
	PERATA, STEVE
8534	OCCUPANT UNKNOWNN
8665	DIXON BP SNACK SHOP
8725	COVARRUBIAS, ALFREDO
8751	GROWERS AG SVC INC
8757	ADAMS TRUCKING INC
	TRI VALLEY GROWERS
8761	GREEN BELT CARRIERS

**PEDRICK RD 1992**

6199	MAHNKE, JOHN
6347	RAYN, MILTON
6521	HORIGAN, TIM
7401	CHICHESTER, C
7444	ROBBEN, LEON
7500	ROBBEN, CHUCK
7625	ROMANI, GUIDO
7690	ANDERSON, LINFORD B
7699	REHRMANN, HENRY
7850	RIOS, ROBERTO M
7869	JOHNSTON, RUSSELL R
7900	GUTIERREZ, JOSE R
7925	DIXON VETERINARY
7934	ESTRADA, ARMANDO
7942	SAWYER, NEAT
8060	DUTRA, HERB
8120	INNISFAIL DAIRY LYNDE, DAN
8124	LEAL, ARNULFO
8168	SARAGOSA, L M
8245	STRUCTURE WELD
8308	JOHNSON, ELNORA
8475	BRODIE, D
8534	SCHMITT, ROBERT G
8725	COVARRUBIAS, ALFREDO
8757	ADAMS TRUCKING INC GREEN BELT CARRIERS PROCESSING TOMATO TRI VALLEY GROWERS TRIPLE M GRADNG STA

✓

-

**PEDRICK RD 1986**

**PEDRICK RD 95620 DIXON**

**RURAL ROUTE 2**

6176	COMBER DAVID C	678-5951	3
6347	RAYN MILTON	678-2880	3
6521	HORIGAN TIM	678-3235	4
6770	DOTTERS LESTER R	678-5864	3
6965	DIXON MGRNT CNLD CT	<del>678-3711</del>	3
	DIXON MGRNT INFANT	678-2113	3
7401	REHRMAN FRED H	678-2585	5
7444	ROBBEN LEON	678-2843	3
7570	ROBBEN CHUCK	678-2684	3
7601	ROMANI M	678-5270	3
7625	ROMANI GUIDO	678-3278	3
7690	ANDERSON LINFORD B	678-5363	3
7699	REHRMANN HENRY	678-2580	3
7850	RIOS ROBERTO M	678-2829	5
7869	JOHNSTON RUSSELL R	678-5712	3
7925	TIMM PETER N DVM	<del>678-5786</del>	4
7934	BARRAGAN VICTOR	678-9731	5
	ESTRADA JOSE	676-2238	4
	MERCADO ESPERANZA	678-1342	5
7942	SAWYER NEAT	678-1162	5
8060	DUTRA HERB	678-5624	3
8120	ALVES CARLOS	678-9409	3
	LOPEZ CATARINO R	678-9325	4
8168	RIOS JESUS	678-3297	5
	SARAGOSA LOUIS	678-2642	4
8757	ADAMS TRUCKING INC	<del>678-1677</del>	4
	CA ST FOOD&AGRI DPT	<del>678-3404</del>	4
NO #	ANDERSON JOE CROPS	<del>678-4383</del>	4
NO #	CARMICHAEL BRUCE	678-9014	5
NO #	DAVIDSON MARSH	678-3769	8
NO #	DIXON CANNING CORP	<del>678-4406</del>	9
NO #	DIXON HOUSING	678-3200	
NO #	DIXON MIGRANT FARM	678-3200	
NO #	DIXON VETERINARY CLNC	678-5765	
NO #	DIXON Y MACHINE INC	678-2375	8
NO #	ESTRADA RAUL	678-4516	8
NO #	GLIDE ELSEN	678-3338	
NO #	GLIDE PETER	678-3338	
NO #	GREEN BELT CABRIERS	678-3769	9
NO #	GROWERS AG SERVICE	678-5564	8
NO #	JOHNSON ELNORA	678-5882	
NO #	MISTLER BOB TRCKNG	678-5230	
NO #	PARKER M	678-3294	7
NO #	PEREZ PEDRO	678-3765	9
NO #	ROBBEN TONY	678-2654	
NO #	SPARLING RAY	678-2801	
NO #	TRI VALLEY GROWERS	<del>678-5776</del>	4
NO #	TRIPLE M GRADNG STA	678-3409	
NO #	TRIPLE M SCALE NSE	678-3982	0
NO #	VANETTI JOHN J	678-5580	
★	17 BUS 33 RES	0 NEW	

## PEDRICK RD 1981

### PEDRICK RD 95620 DIXON

#### RURAL ROUTE 2

5270	TERRELL MARY F	678-4566	0
	WOODY ROBT L	678-4566	0
NO #	ABARCA ROBT	678-4168	+1
NO #	ANDERSON LINFORD	678-5363	
NO #	BELDEN WILLIAM F	678-5615	9
NO #	BESNEATTE DANE	678-4842	+1
NO #	CALIF ST FOOD&AGRI	678-3404	7
NO #	COMBER DAVID C	678-5951	
NO #	DAVIDSON MARSH	678-3769	8
NO #	DIXON CANNING CORP	678-4406	9
NO #	DIXON HOUSING AUTH	678-3200	
NO #	DIXON MIGRANT CHLD	678-3711	
NO #	DIXON MIGRANT FARM	678-3200	
NO #	DIXON MIGRANT INFNT	678-2113	
NO #	DIXON VETERNRY CLNC	678-5765	
NO #	DIXON Y MACHINE INC	678-2375	8
NO #	DOTTERS LESTER R	678-5864	
NO #	DUFF ROD	678-4725	+1
NO #	DUTRA HERB	678-5624	
NO #	EHMKE DALE	678-5373	9
NO #	ESTRADA RAUL	678-4516	8
NO #	GONZALEZ B	678-5022	9
NO #	GREEN BELT CARRIERS	678-3769	9
NO #	GROWERS AG SERVICE	678-5564	8
NO #	HORIGAN TIM	678-3235	6
NO #	JOHNSON ELNORA	678-5882	
NO #	JOHNSTON RUSSELL R	678-5712	9
NO #	KYLO RADIO TRANSMTR	678-3989	+1
NO #	MAINE PRAIRIE WATER	678-5332	
NO #	MCNAMARA M F	678-5374	
NO #	MISTLER BOB TRCKNG	678-5230	6
NO #	PAC COAST PRODUCERS	678-3458	6
NO #	PADILLA MAGDALENO	678-4025	0
NO #	PARKER M	678-3294	7
NO #	PEREZ PEDRO	678-3765	9
NO #	RAYN MILTON	678-2880	
NO #	REHRMAN FRED H	678-2585	7
NO #	REHRMANN HENRY	678-2580	6
NO #	RIOS JESUS	678-3297	
NO #	RIOS ROBERTO M	678-2829	+1
NO #	RIVER GOLD FARMS	678-9201	0
NO #	ROBBEN LEON	678-2843	
NO #	ROBBEN TONY	678-2654	6
NO #	ROCHA MATTHEW	678-3642	0
NO #	ROMANI GUIDO	678-3278	
NO #	ROMANI M	678-5270	
NO #	RYANS TIRE SERV	678-4600	8
NO #	SARAGOSA LOUIS	678-2642	
NO #	SARAGQSA LOUIS SHOP	678-4200	8
NO #	SPARLING RAY	678-2801	
NO #	SPRECKELS SUGAR CO	678-2462	
NO #	TIMM PETER H DVM	678-5765	
NO #	TRI VALLEY GROWERS	678-5776	9
NO #	TRI VALLEY GROWERS	678-4037	0
NO #	TRIPLE M GRADNG STA	678-9968	9
NO #	TRIPLE M GRDG STA	678-3982	0
NO #	TRIPLE M SCALE HSE	678-3409	6
NO #	TRUCK A WAY	678-4280	8
NO #	VALASQUEZ IGNACIO	678-4804	0
NO #	VALLEY FARM LABOR	678-5505	
NO #	VANETTI JOHN J	678-5580	
NO #	WIGHT BEN	678-2060	
★	26 BUS	36 RES	5 NEW

## **APPENDIX D – Agency Listings Database Report**



**Pedrick Road Property**

8405 Pedrick Road

Dixon, CA 95620

Inquiry Number: 6086870.2s

June 09, 2020

# The EDR Radius Map™ Report with GeoCheck®



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

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

8405 PEDRICK ROAD  
DIXON, CA 95620

#### COORDINATES

Latitude (North): 38.4757220 - 38° 28' 32.59"  
Longitude (West): 121.8081720 - 121° 48' 29.41"  
Universal Transverse Mercator: Zone 10  
UTM X (Meters): 603964.1  
UTM Y (Meters): 4259065.5  
Elevation: 63 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5619702 DIXON, CA  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140606  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 8405 PEDRICK ROAD  
 DIXON, CA 95620

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">A1</a>	DIXON DOWNSNA FORMER	8405 PEDRICK RD	FINDS		TP
<a href="#">A2</a>	MISTLER TRUCKING, FO	8405 PEDRICK RD	SWF/LF, LUST, LDS, CERS		TP
<a href="#">A3</a>	MAGNA SERVICES INC	8405 PEDRICK RD	HWTS		TP
<a href="#">A4</a>	MISTLER BROS INC	8405 PEDRICK RD	CIWQS		TP
<a href="#">B5</a>	TIM SMITH	8358 PEDRICK ROAD	RCRA NonGen / NLR	Higher	57, 0.011, East
<a href="#">6</a>	SUULUTAAQ	8308 PEDRICK ROAD	RCRA NonGen / NLR	Higher	68, 0.013, SE
<a href="#">B7</a>	CAMPBELL SOUP SUPPLY	8380 PEDRICK RD	AST	Higher	71, 0.013, East
<a href="#">B8</a>	CAMPBELL SOUP SUPPLY	8380 PEDRICK RD	RCRA NonGen / NLR	Higher	71, 0.013, East
<a href="#">B9</a>	CAMPBELL SOUP SUPPLY	8380 PEDRICK RD	LUST, ENF, HAZNET, NPDES, CIWQS, CERS, HWTS	Higher	71, 0.013, East
<a href="#">B10</a>	CAMPBELL SOUP SUPPLY	8380 PEDRICK RD	CERS HAZ WASTE, CERS TANKS, CERS	Higher	71, 0.013, East
<a href="#">11</a>	PACIFIC GAS & ELECTR	8312 PEDRICK RD	RCRA-LQG	Higher	75, 0.014, ESE
<a href="#">C12</a>	GREINER HEATING AND	8235 PEDRICK RD	CERS HAZ WASTE, CERS	Lower	351, 0.066, SSE
<a href="#">C13</a>	GREINER HEATING & AI	8235 PEDRICK RD	RCRA NonGen / NLR	Lower	351, 0.066, SSE
<a href="#">D14</a>	TSI TRUCKING	1055 VAUGHN RD	CERS HAZ WASTE, HAZNET, CERS, HWTS	Lower	577, 0.109, South
<a href="#">D15</a>	TSI TRUCKING	1055 VAUGHN RD	RCRA NonGen / NLR	Lower	577, 0.109, South
<a href="#">E16</a>	CHAVEZ TRANSPORT INC	955 VAUGHN RD	CERS HAZ WASTE, CERS TANKS, CERS	Lower	585, 0.111, South
<a href="#">E17</a>	CHAVEZ TRUCKING COMP	955 VAUGHN RD STE A	RCRA NonGen / NLR	Lower	585, 0.111, South
<a href="#">E18</a>	CHAVEZ TRUCKING	955 VAUGHN RD	AST	Lower	585, 0.111, South
<a href="#">D19</a>	CHAVEZ TRUCKING	VAUGHN RD	AST	Lower	635, 0.120, South
<a href="#">E20</a>	GOLDSTAR FOODS / DIC	1000 VAUGHN RD	RCRA NonGen / NLR	Lower	711, 0.135, South
<a href="#">E21</a>	ALTEC INDUSTRIES PDX	1000 VAUGHN RD STE A	CERS HAZ WASTE, CERS	Lower	711, 0.135, South
<a href="#">E22</a>	ALTEC INDUSTRIES, IN	1000 VAUGHN ROAD STE	RCRA-VSQG	Lower	711, 0.135, South
<a href="#">F23</a>	EXXON USA (MILK FARM	6618 MILK FARM RD	LUST, SWEEPS UST, Cortese, HIST CORTESE, Notify...	Higher	751, 0.142, NW
<a href="#">F24</a>	TEXACO STATION/MILK	6615 MILK FARM RD	LUST, SWEEPS UST, Cortese, HIST CORTESE, Notify...	Higher	802, 0.152, WNW
<a href="#">F25</a>	MILK FARM GROUP LIM	MILK FARM ROAD	HIST UST	Higher	869, 0.165, WNW
<a href="#">26</a>	IKE'S LANDSCAPING	6647 MILK FARM	Notify 65	Higher	1246, 0.236, WNW
<a href="#">27</a>	CARDINAL HEALTH	700 VAUGHN RD	AST, CERS HAZ WASTE, CERS TANKS, HAZNET, CERS,...	Higher	1248, 0.236, SSW
<a href="#">G28</a>	MORGAN'S FRUIT STAND	6646 MILK FARM	LUST, HIST CORTESE, Notify 65	Higher	1313, 0.249, WNW
<a href="#">G29</a>	MORGAN'S FRUIT STAND	6646 MILK FARM RD	LUST, UST, SWEEPS UST, Cortese	Higher	1313, 0.249, WNW
<a href="#">30</a>	IKE'S LANDSCAPING (M	6464 MILK FARM RD	LUST, UST, SWEEPS UST, Cortese, HIST CORTESE	Higher	2587, 0.490, West

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
DIXON DOWNSNA FORMER 8405 PEDRICK RD DIXON, CA 95620	FINDS Registry ID:: 110066803506	N/A
MISTLER TRUCKING, FO 8405 PEDRICK RD DIXON, CA 95620	SWF/LF Database: SWF/LF (SWIS), Date of Government Version: 02/10/2020 Facility ID: 48-CR-0024  LUST Database: SOLANO CO. LUST, Date of Government Version: 06/04/2019 Facility Id: 80336 Facility Status: A  LDS Global Id: SL0609748481 Status: Pre-Title 27 CAI - Closed/No Monitoring  CERS	N/A
MAGNA SERVICES INC 8405 PEDRICK RD DIXON, CA 95620	HWTS	N/A
MISTLER BROS INC 8405 PEDRICK RD DIXON, CA 95620	CIWQS	N/A

## 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

## EXECUTIVE SUMMARY

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

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

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

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

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

CORRACTS..... Corrective Action Report

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

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

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

RCRA-SQG..... RCRA - Small Quantity Generators

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

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

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

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

RESPONSE..... State Response Sites

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

ENVIROSTOR..... EnviroStor Database

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

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land  
CPS-SLIC..... Statewide SLIC Cases

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

FEMA UST..... Underground Storage Tank Listing  
INDIAN UST..... Underground Storage Tanks on Indian Land

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

INDIAN VCP..... Voluntary Cleanup Priority Listing  
VCP..... Voluntary Cleanup Program Properties

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

BROWNFIELDS..... Considered Brownfields Sites Listing

# EXECUTIVE SUMMARY

## ADDITIONAL ENVIRONMENTAL RECORDS

### **Local Brownfield lists**

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

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

WMUDS/SWAT..... Waste Management Unit Database  
SWRCY..... Recycler Database  
HAULERS..... Registered Waste Tire Haulers Listing  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
IHS OPEN DUMPS..... Open Dumps on Indian Land

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

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

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

CA FID UST..... Facility Inventory Database

### **Local Land Records**

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

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

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

### **Other Ascertainable Records**

FUDS..... Formerly Used Defense Sites  
DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 2020 Corrective Action Program List  
TSCA..... Toxic Substances Control Act  
TRIS..... Toxic Chemical Release Inventory System

## EXECUTIVE SUMMARY

SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)



## EXECUTIVE SUMMARY

WELL STIM PROJ..... Well Stimulation Project (GEOTRACKER)  
MINES MRDS..... Mineral Resources Data System

### EDR HIGH RISK HISTORICAL RECORDS

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

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

### EDR RECOVERED GOVERNMENT ARCHIVES

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

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

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

### STANDARD ENVIRONMENTAL RECORDS

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

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/23/2020 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC GAS & ELECTR EPA ID:: CAR000286807	8312 PEDRICK RD	ESE 0 - 1/8 (0.014 mi.)	11	35

## EXECUTIVE SUMMARY

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

A review of the RCRA-VSQG list, as provided by EDR, and dated 03/23/2020 has revealed that there is 1 RCRA-VSQG 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>
ALTEC INDUSTRIES, IN EPA ID:: CAR000287664	1000 VAUGHN ROAD STE	S 1/8 - 1/4 (0.135 mi.)	E22	61

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

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

A review of the LUST list, as provided by EDR, has revealed that there are 6 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>
<b>CAMPBELL SOUP SUPPLY</b> Database: SOLANO CO. LUST, Date of Government Version: 06/04/2019 Facility Id: 80333 Facility Status: I	<b>8380 PEDRICK RD</b>	<b>E 0 - 1/8 (0.013 mi.)</b>	<b>B9</b>	<b>17</b>
<b>EXXON USA (MILK FARM)</b> Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: SOLANO CO. LUST, Date of Government Version: 06/04/2019 Database: LUST, Date of Government Version: 05/13/2020 Status: Completed - Case Closed Status: Case Closed Facility Id: 80010 Global Id: T0609500358 Facility Status: I	<b>6618 MILK FARM RD</b>	<b>NW 1/8 - 1/4 (0.142 mi.)</b>	<b>F23</b>	<b>63</b>
<b>TEXACO STATION/MILK</b> Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: SOLANO CO. LUST, Date of Government Version: 06/04/2019 Database: LUST, Date of Government Version: 05/13/2020 Status: Completed - Case Closed Status: Post remedial action monitoring Facility Id: 80060 Global Id: T0609500360 Facility Status: I	<b>6615 MILK FARM RD</b>	<b>WNW 1/8 - 1/4 (0.152 mi.)</b>	<b>F24</b>	<b>66</b>
<b>MORGAN'S FRUIT STAND</b> Database: SOLANO CO. LUST, Date of Government Version: 06/04/2019 Database: LUST, Date of Government Version: 05/13/2020 Status: Completed - Case Closed Facility Id: 80114	<b>6646 MILK FARM</b>	<b>WNW 1/8 - 1/4 (0.249 mi.)</b>	<b>G28</b>	<b>155</b>

## EXECUTIVE SUMMARY

Global Id: T0609500359

Facility Status: I

<b>MORGAN'S FRUIT STAND</b> Database: LUST REG 5, Date of Government Version: 07/01/2008 Status: Post remedial action monitoring	<b>6646 MILK FARM RD</b>	<b>WNW 1/8 - 1/4 (0.249 mi.)</b>	<b>G29</b>	<b>162</b>
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<b>IKE'S LANDSCAPING (M)</b> Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: SOLANO CO. LUST, Date of Government Version: 06/04/2019 Database: LUST, Date of Government Version: 05/13/2020 Status: Completed - Case Closed Status: Case Closed Facility Id: 80009 Global Id: T0609500368 Facility Status: I	<b>6464 MILK FARM RD</b>	<b>W 1/4 - 1/2 (0.490 mi.)</b>	<b>30</b>	<b>164</b>
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### State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>MORGAN'S FRUIT STAND</b> Database: SOLANO CO. UST, Date of Government Version: 03/02/2020 Facility Id: 80114 Facility Status: I	<b>6646 MILK FARM RD</b>	<b>WNW 1/8 - 1/4 (0.249 mi.)</b>	<b>G29</b>	<b>162</b>

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there are 4 AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CAMPBELL SOUP SUPPLY Database: AST, Date of Government Version: 07/06/2016	8380 PEDRICK RD	E 0 - 1/8 (0.013 mi.)	B7	15
<b>CARDINAL HEALTH</b> Database: AST, Date of Government Version: 07/06/2016	<b>700 VAUGHN RD</b>	<b>SSW 1/8 - 1/4 (0.236 mi.)</b>	<b>27</b>	<b>77</b>
Lower Elevation	Address	Direction / Distance	Map ID	Page
CHAVEZ TRUCKING Database: AST, Date of Government Version: 07/06/2016	955 VAUGHN RD	S 0 - 1/8 (0.111 mi.)	E18	55
CHAVEZ TRUCKING Database: AST, Date of Government Version: 07/06/2016	VAUGHN RD	S 0 - 1/8 (0.120 mi.)	D19	56

# EXECUTIVE SUMMARY

## ADDITIONAL ENVIRONMENTAL RECORDS

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

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

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/21/2020 has revealed that there are 6 CERS HAZ WASTE 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>
<b>CAMPBELL SOUP SUPPLY</b>	<b>8380 PEDRICK RD</b>	<b>E 0 - 1/8 (0.013 mi.)</b>	<b>B10</b>	<b>31</b>
<b>CARDINAL HEALTH</b>	<b>700 VAUGHN RD</b>	<b>SSW 1/8 - 1/4 (0.236 mi.)</b>	<b>27</b>	<b>77</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>GREINER HEATING AND</b>	<b>8235 PEDRICK RD</b>	<b>SSE 0 - 1/8 (0.066 mi.)</b>	<b>C12</b>	<b>37</b>
<b>TSI TRUCKING</b>	<b>1055 VAUGHN RD</b>	<b>S 0 - 1/8 (0.109 mi.)</b>	<b>D14</b>	<b>42</b>
<b>CHAVEZ TRANSPORT INC</b>	<b>955 VAUGHN RD</b>	<b>S 0 - 1/8 (0.111 mi.)</b>	<b>E16</b>	<b>49</b>
<b>ALTEC INDUSTRIES PDX</b>	<b>1000 VAUGHN RD STE A</b>	<b>S 1/8 - 1/4 (0.135 mi.)</b>	<b>E21</b>	<b>58</b>

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

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 3 SWEEPS UST 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>
<b>EXXON USA (MILK FARM)</b> Comp Number: 80010	<b>6618 MILK FARM RD</b>	<b>NW 1/8 - 1/4 (0.142 mi.)</b>	<b>F23</b>	<b>63</b>
<b>TEXACO STATION/MILK</b> Comp Number: 80060	<b>6615 MILK FARM RD</b>	<b>WNW 1/8 - 1/4 (0.152 mi.)</b>	<b>F24</b>	<b>66</b>
<b>MORGAN'S FRUIT STAND</b> Comp Number: 80114	<b>6646 MILK FARM RD</b>	<b>WNW 1/8 - 1/4 (0.249 mi.)</b>	<b>G29</b>	<b>162</b>

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MILK FARM GROUP LIM</b> Facility Id: 00000048675	<b>MILK FARM ROAD</b>	<b>WNW 1/8 - 1/4 (0.165 mi.)</b>	<b>F25</b>	<b>76</b>

## EXECUTIVE SUMMARY

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

A review of the CERS TANKS list, as provided by EDR, and dated 01/21/2020 has revealed that there are 3 CERS TANKS 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>
<b>CAMPBELL SOUP SUPPLY</b>	<b>8380 PEDRICK RD</b>	<b>E 0 - 1/8 (0.013 mi.)</b>	<b>B10</b>	<b>31</b>
<b>CARDINAL HEALTH</b>	<b>700 VAUGHN RD</b>	<b>SSW 1/8 - 1/4 (0.236 mi.)</b>	<b>27</b>	<b>77</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CHAVEZ TRANSPORT INC</b>	<b>955 VAUGHN RD</b>	<b>S 0 - 1/8 (0.111 mi.)</b>	<b>E16</b>	<b>49</b>

### **Other Ascertainable Records**

RCRA NonGen / NLR: 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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/23/2020 has revealed that there are 7 RCRA NonGen / NLR 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>
TIM SMITH EPA ID:: CAC003059076	8358 PEDRICK ROAD	E 0 - 1/8 (0.011 mi.)	B5	13
SUULUTAAQ EPA ID:: CAC003057920	8308 PEDRICK ROAD	SE 0 - 1/8 (0.013 mi.)	6	14
CAMPBELL SOUP SUPPLY EPA ID:: CAL912633366	8380 PEDRICK RD	E 0 - 1/8 (0.013 mi.)	B8	16
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GREINER HEATING & AI EPA ID:: CAL000301899	8235 PEDRICK RD	SSE 0 - 1/8 (0.066 mi.)	C13	41
TSI TRUCKING EPA ID:: CAL000350961	1055 VAUGHN RD	S 0 - 1/8 (0.109 mi.)	D15	48
CHAVEZ TRUCKING COMP EPA ID:: CAL000362709	955 VAUGHN RD STE A	S 0 - 1/8 (0.111 mi.)	E17	54
GOLDSTAR FOODS / DIC EPA ID:: CAL000438725	1000 VAUGHN RD	S 1/8 - 1/4 (0.135 mi.)	E20	57

## EXECUTIVE SUMMARY

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 (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 03/23/2020 has revealed that there are 4 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>
<b>EXXON USA (MILK FARM)</b> Cleanup Status: COMPLETED - CASE CLOSED	<b>6618 MILK FARM RD</b>	<b>NW 1/8 - 1/4 (0.142 mi.)</b>	<b>F23</b>	<b>63</b>
<b>TEXACO STATION/MILK</b> Cleanup Status: COMPLETED - CASE CLOSED	<b>6615 MILK FARM RD</b>	<b>WNW 1/8 - 1/4 (0.152 mi.)</b>	<b>F24</b>	<b>66</b>
<b>MORGAN'S FRUIT STAND</b> Cleanup Status: COMPLETED - CASE CLOSED	<b>6646 MILK FARM RD</b>	<b>WNW 1/8 - 1/4 (0.249 mi.)</b>	<b>G29</b>	<b>162</b>
<b>IKE'S LANDSCAPING (M)</b> Cleanup Status: COMPLETED - CASE CLOSED	<b>6464 MILK FARM RD</b>	<b>W 1/4 - 1/2 (0.490 mi.)</b>	<b>30</b>	<b>164</b>

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 [CALSTITES]. 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 4 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>
<b>EXXON USA (MILK FARM)</b> Reg Id: 480100	<b>6618 MILK FARM RD</b>	<b>NW 1/8 - 1/4 (0.142 mi.)</b>	<b>F23</b>	<b>63</b>
<b>TEXACO STATION/MILK</b> Reg Id: 480102	<b>6615 MILK FARM RD</b>	<b>WNW 1/8 - 1/4 (0.152 mi.)</b>	<b>F24</b>	<b>66</b>
<b>MORGAN'S FRUIT STAND</b> Reg Id: 480101	<b>6646 MILK FARM</b>	<b>WNW 1/8 - 1/4 (0.249 mi.)</b>	<b>G28</b>	<b>155</b>
<b>IKE'S LANDSCAPING (M)</b> Reg Id: 480110	<b>6464 MILK FARM RD</b>	<b>W 1/4 - 1/2 (0.490 mi.)</b>	<b>30</b>	<b>164</b>

Notify 65: 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.

A review of the Notify 65 list, as provided by EDR, and dated 03/12/2020 has revealed that there are 4 Notify 65 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>
<b>EXXON USA (MILK FARM)</b>	<b>6618 MILK FARM RD</b>	<b>NW 1/8 - 1/4 (0.142 mi.)</b>	<b>F23</b>	<b>63</b>
<b>TEXACO STATION/MILK</b>	<b>6615 MILK FARM RD</b>	<b>WNW 1/8 - 1/4 (0.152 mi.)</b>	<b>F24</b>	<b>66</b>
<b>IKE'S LANDSCAPING</b>	<b>6647 MILK FARM</b>	<b>WNW 1/8 - 1/4 (0.236 mi.)</b>	<b>26</b>	<b>77</b>
<b>MORGAN'S FRUIT STAND</b>	<b>6646 MILK FARM</b>	<b>WNW 1/8 - 1/4 (0.249 mi.)</b>	<b>G28</b>	<b>155</b>

## EXECUTIVE SUMMARY

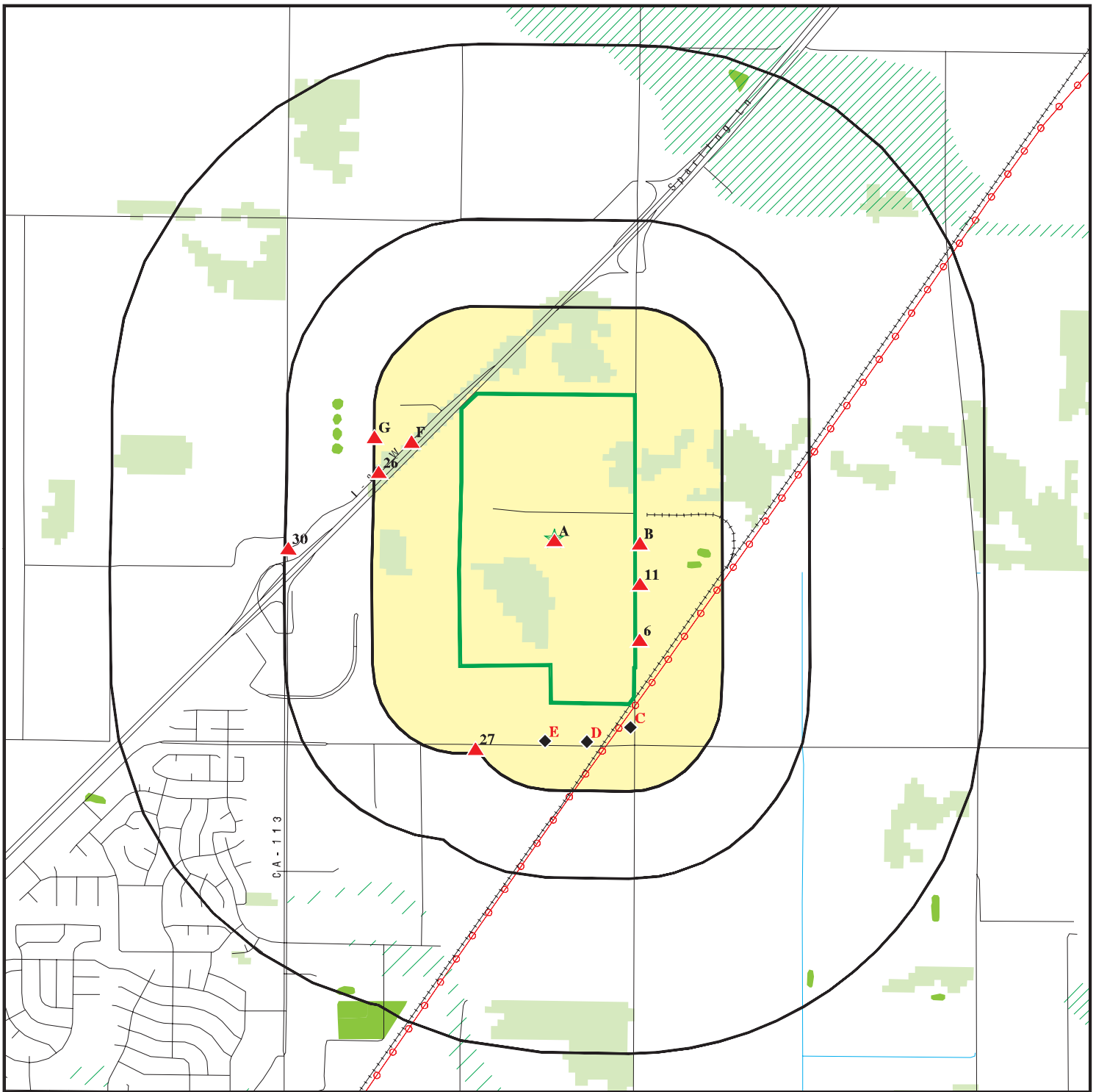
Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name

Database(s)

CDL

# OVERVIEW MAP - 6086870.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern



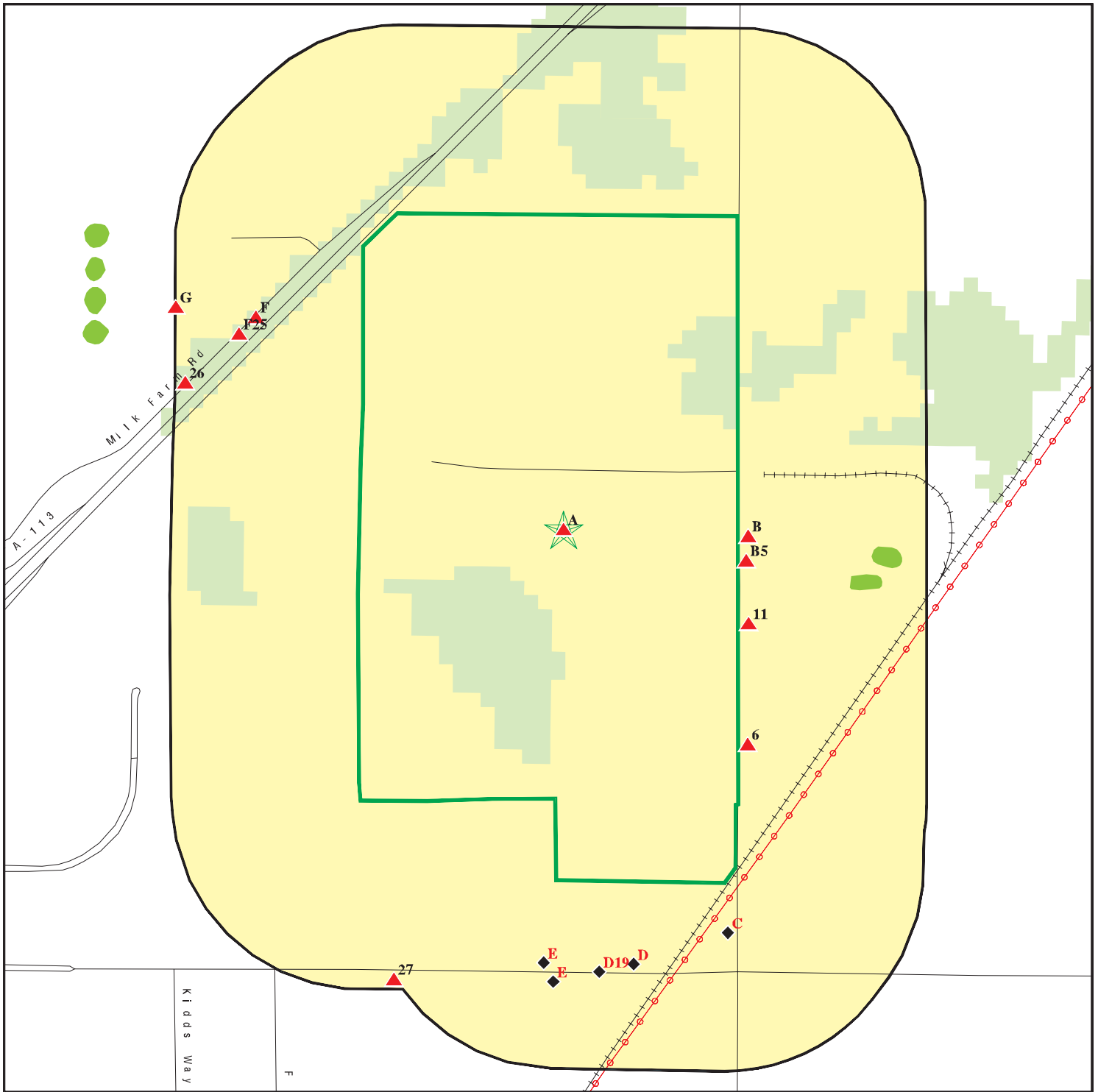
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Pedrick Road Property  
 ADDRESS: 8405 Pedrick Road  
 Dixon CA 95620  
 LAT/LONG: 38.475722 / 121.808172

CLIENT: Brusca Associates, Inc.  
 CONTACT: Joe Brusca  
 INQUIRY #: 6086870.2s  
 DATE: June 09, 2020 1:40 pm



# DETAIL MAP - 6086870.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern



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

SITE NAME: Pedrick Road Property  
 ADDRESS: 8405 Pedrick Road  
 Dixon CA 95620  
 LAT/LONG: 38.475722 / 121.808172

CLIENT: Brusca Associates, Inc.  
 CONTACT: Joe Brusca  
 INQUIRY #: 6086870.2s  
 DATE: June 09, 2020 1:41 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	1	NR	NR	NR	1
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500	1	0	0	0	NR	NR	1
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500	1	1	4	1	NR	NR	7

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
AST	0.250		3	1	NR	NR	NR	4
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		4	2	NR	NR	NR	6
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250		0	3	NR	NR	NR	3
HIST UST	0.250		0	1	NR	NR	NR	1
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		2	1	NR	NR	NR	3
<b>Local Land Records</b>								
LIENS	0.001		0	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001	1	0	NR	NR	NR	NR	1
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		6	1	NR	NR	NR	7
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	0	NR	NR	NR	NR	1
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	3	1	NR	NR	4
CUPA Listings	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
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	3	1	NR	NR	4
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	4	0	0	NR	4
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001	1	0	NR	NR	NR	NR	1
CERS	0.001	1	0	NR	NR	NR	NR	1
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1

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

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

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

### **EDR RECOVERED GOVERNMENT ARCHIVES**

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

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

- Totals --		7	17	25	3	0	0	52
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## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A1**      **DIXON DOWNSNA FORMER MISTLER TRUCKING CO**  
**Target**    **8405 PEDRICK RD**  
**Property**   **DIXON, CA 95620**

**FINDS**    **1023381643**  
**N/A**

**Site 1 of 4 in cluster A**

**Actual:**  
**63 ft.**

**FINDS:**  
Registry ID:                    110066803506  
Facility URL:                [http://ofmpub.epa.gov/enviro/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110066803506](http://ofmpub.epa.gov/enviro/fii_query_detail.disp_program_facility?p_registry_id=110066803506)

Environmental Interest/Information System:  
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**A2**      **MISTLER TRUCKING, FORMER**  
**Target**    **8405 PEDRICK RD**  
**Property**   **DIXON, CA 95620**

**SWF/LF**    **S107138770**  
**LUST**      **N/A**  
**LDS**  
**CERS**

**Site 2 of 4 in cluster A**

**Actual:**  
**63 ft.**

**SWF/LF (SWIS):**  
Name:                            DIXON DOWNS/MISTLER FARMS  
Address:                        8405 PEDRICK ROAD  
City,State,Zip:                DIXON, CA  
Facility ID:                    48-CR-0024  
Lat/Long:                      38.4792 / -121.81111  
Owner Name:                    Not reported  
Owner Telephone:              Not reported  
Owner Address:                Not reported  
Owner Address2:               Not reported  
Owner City,St,Zip:            Not reported  
Operational Status:            Not reported  
Operator:                        Not reported  
Operator Phone:                Not reported  
Operator Address:              Not reported  
Operator Address2:             Not reported  
Operator City,St,Zip:         Not reported  
Permit Date:                    Not reported  
Permit Status:                 Not reported  
Permitted Acreage:            Not reported  
Activity:                         Not reported  
Regulation Status:             Not reported  
Landuse Name:                 Not reported  
GIS Source:                     Map  
Category:                        Not reported  
Unit Number:                    Not reported  
Inspection Frequency:         Not reported  
Accepted Waste:                Not reported  
Closure Date:                  Not reported  
Closure Type:                  Not reported  
Disposal Acreage:              Not reported  
SWIS Num:                      48-CR-0024  
Waste Discharge Requirement Num: Not reported  
Program Type:                  Not reported  
Permitted Throughput with Units: Not reported  
Actual Throughput with Units: Not reported  
Permitted Capacity with Units: Not reported  
Remaining Capacity:            Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MISTLER TRUCKING, FORMER (Continued)**

**S107138770**

Remaining Capacity with Units: Not reported  
Lat/Long: 38.4792 / -121.81111

**SOLANO CO. LUST:**

Name: MISTLER TRUCKING, FORMER  
Address: 8405 PEDRICK RD  
City,State,Zip: DIXON, CA 95620  
Region: SOLANO  
Facility ID: 80336  
Facility Status: A  
Facility Status Desc: Active  
Facility Phone: Not reported  
Program: 29S  
Inventory Number: 1  
Inventory Type: SLIC - Spills, Leaks, Invest. & Cleanups (145)  
Inventory Description: Not reported  
Last service/permit exp: LETTER/REPORT WRITING  
Last service date: 01/31/2019  
District: SUP-DIST NO 3037  
Inspector: Kaltreider, Misty  
Call Back: Not reported

**LDS:**

Name: DIXON DOWNS, FORMER MISTLER TRUCKING CO  
Address: 8405 PEDRICK RD  
City,State,Zip: DIXON, CA 95620

Global Id: SL0609748481  
Latitude: 38.47695  
Longitude: -121.8111  
Case Type: Land Disposal Site  
Status: Pre-Title 27 CAI - Closed/No Monitoring  
Status Date: 06/28/2019  
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)  
Caseworker: JEM  
Local Agency: SOLANO COUNTY  
RB Case Number: Not reported  
LOC Case Number: 80336  
File Location: Local Agency  
Potential Media Affect: Aquifer used for drinking water supply  
EDR Link ID: SL0609748481  
Potential Contaminants of Concern: Diesel  
Site History:

See site documents for historical information. The former landfill is located on a seven-acre rectangular tract of land (APN# 111-040-010) just northeast of the town of Dixon, approximately 2000 feet west of Pedrick Road and south of Interstate 80 (Figure 1). It is situated in the N \\\% of the SW ]% of the SE ]% of Section 1, Township 7 North, Range 1 East of the Mount Diablo Baseline and Meridian, among nearly flat irrigated agricultural fields sloping gently to the southeast. The surface elevation is approximately 65 feet above mean sea level.  
1.2 SITE HISTORY AMEC Earth & Environmental (AMEC) conducted a Phase I Environmental Site Assessment in 2001. At that time, a residence, two barns, and an equipment repair building stood on the property. A small landfill occupied the western part of the Site and was identified as one of three potential areas of concern related to possible soil contamination. AMEC anticipated contents to be



MAP FINDINGS

**MISTLER TRUCKING, FORMER (Continued)**

**S107138770**

associated with farm operations that appear, from historic topographic maps and historic aerials, to have begun at the turn of the past century, including: domestic trash; building materials; and some automotive parts (e.g., batteries, cables, wires, oil filters, brake pads). Bobby Mistler, previous property owner, interviewed by AMEC, reported that unauthorized dumping of concrete roof tiles occurred in the more recent past. In 2005, a Phase II soil investigation was conducted by CRA. Six exploratory trenches were excavated in the area of the former landfill helping to delineate the boundaries. Refuse was discovered to underlie an area elongated north/south, approximately 160 feet long by 40 feet wide. The sides of the refuse layer were found to slope down toward the center of the landfill. The base of the refuse was found to extend beyond 10 feet, the maximum reach of the backhoe. Refuse observed in the trench included concrete roof tile, pieces of red clay pipe, bottles, and household items. One crushed 55-gallon drum was excavated during the investigation. Three soil samples were collected and analyzed for CAM17 metals by US EPA Methods 7471A and 6010B. Four metals (barium, chromium, nickel, and lead) were detected in concentrations exceeding the standard Designated Level Methodology criteria (CVRWQCB, 1989). CRA determined that because the metals did not occur in soluble form, they did not pose a threat to the groundwater. On this basis, CRA concluded that the landfill materials were nonhazardous. A geophysical survey concluded that the landfill extends to a depth of 17.9 feet below ground surface.

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

**CERS:**

Name: DIXON DOWNS/MISTLER FARMS  
 Address: 8405 PEDRICK ROAD  
 City,State,Zip: DIXON, CA  
 Site ID: 556562  
 CERS ID: 48-CR-0024  
 CERS Description: Solid Waste and Recycle Sites

Name: DIXON DOWNS, FORMER MISTLER TRUCKING CO  
 Address: 8405 PEDRICK RD  
 City,State,Zip: DIXON, CA 95620  
 Site ID: 230684  
 CERS ID: SL0609748481  
 CERS Description: Land Disposal Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
 Entity Name: MARCY HANNUM - SOLANO COUNTY  
 Entity Title: Not reported  
 Affiliation Address: 675 texas st #5500  
 Affiliation City: FAIRFIELD  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: 7077843303

Affiliation Type Desc: Regional Board Caseworker  
 Entity Name: Joe Mello - CENTRAL VALLEY RWQCB (REGION 5S)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MISTLER TRUCKING, FORMER (Continued)**

**S107138770**

Entity Title: Not reported  
Affiliation Address: 11020 SUN CENTER DRIVE #200  
Affiliation City: RANCHO CORDOVA  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

**A3  
Target  
Property**

**MAGNA SERVICES INC  
8405 PEDRICK RD  
DIXON, CA 95620**

**HWTS S124589575  
N/A**

**Site 3 of 4 in cluster A**

**Actual:  
63 ft.**

HWTS:  
Name: MAGNA SERVICES INC  
Address: 8405 PEDRICK RD  
Address 2: Not reported  
City,State,Zip: DIXON, CA 956209606  
EPA ID: CAC002607578  
Inactive Date: 02/21/2007  
Create Date: 08/24/2006  
Last Act Date: 04/05/2007  
Mailing Name: Not reported  
Mailing Address: 45 VOGHEEL RD 6TH FLOOR  
Mailing Address 2: Not reported  
Mailing City,State,Zip: RICHMOUND HILL, AE L4B3PG  
Owner Name: MAGNA SERVICES INC  
Owner Address: 45 VOGHEEL RD 6TH FLOOR  
Owner Address 2: Not reported  
Owner City,State,Zip: RICHMOUND HILL, AE L4B3PG  
Contact Name: FERNANDO CAROU  
Contact Address: 45 VOGHEEL RD 6TH FLOOR  
Contact Address 2: Not reported  
City,State,Zip: RICHMOUND HILL, AE L4B3PG

**A4  
Target  
Property**

**MISTLER BROS INC  
8405 PEDRICK RD  
DIXON, CA 95620**

**CIWQS S121656271  
N/A**

**Site 4 of 4 in cluster A**

**Actual:  
63 ft.**

CIWQS:  
Name: MISTLER BROS INC  
Address: 8405 PEDRICK RD  
City,State,Zip: DIXON, CA 95620  
Agency: Bobby D Mistler  
Agency Address: 320 Amesbury Dr, Dixon, CA 95620  
Place/Project Type: Industrial - Trucking, Except Local  
SIC/NAICS: 4213  
Region: 5S  
Program: INDSTW  
Regulatory Measure Status: Terminated  
Regulatory Measure Type: Storm water industrial  
Order Number: 2014-0057-DWQ

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MISTLER BROS INC (Continued)**

**S121656271**

WDID: 5S481012865  
NPDES Number: CAS000001  
Adoption Date: Not reported  
Effective Date: 01/23/1997  
Termination Date: 11/05/2001  
Expiration/Review Date: Not reported  
Design Flow: Not reported  
Major/Minor: Not reported  
Complexity: Not reported  
TTWQ: Not reported  
Enforcement Actions within 5 years: 0  
Violations within 5 years: 0  
Latitude: 38.474719  
Longitude: -121.803869

**B5**  
**East**  
**< 1/8**  
**0.011 mi.**  
**57 ft.**

**TIM SMITH**  
**8358 PEDRICK ROAD**  
**DIXON, CA 95620**

**RCRA NonGen / NLR** **1026052183**  
**CAC003059076**

**Site 1 of 5 in cluster B**

**Relative:**  
**Higher**  
**Actual:**  
**63 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 2020-03-06 00:00:00.0  
Facility name: TIM SMITH  
Facility address: 8358 PEDRICK ROAD  
DIXON, CA 95620  
EPA ID: CAC003059076  
Mailing address: 225 SYCAMORE DR  
DIXON, CA 95620-3219  
Contact: TIM SMITH  
Contact address: 225 SYCAMORE DR  
DIXON, CA 95620-3219  
Contact country: Not reported  
Contact telephone: 707-678-8229  
Contact email: ELITE95616@GMAIL.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:  
Owner/operator name: TIM SMITH  
Owner/operator address: 225 SYCAMORE DRIVE  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 707-678-8229  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported  
Owner/operator name: TIM SMITH  
Owner/operator address: 225 SYCAMORE DR  
DIXON, CA 95620  
Owner/operator country: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TIM SMITH (Continued)**

1026052183

Owner/operator telephone: 707-678-8229  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): Not reported  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

6  
SE  
< 1/8  
0.013 mi.  
68 ft.

**SUULUTAAQ**  
**8308 PEDRICK ROAD**  
**DIXON, CA 95620**

RCRA NonGen / NLR 1026051053  
CAC003057920

Relative:  
Higher  
Actual:  
63 ft.

RCRA NonGen / NLR:  
Date form received by agency: 2020-02-27 00:00:00.0  
Facility name: SUULUTAAQ  
Facility address: 8308 PEDRICK ROAD  
DIXON, CA 95620  
EPA ID: CAC003057920  
Mailing address: 110 RAILROAD AVE STE A  
SUISUN CITY, CA 94585  
Contact: RANDY GROSWIRD  
Contact address: 110 RAILROAD AVE STE A  
SUISUN CITY, CA 94585  
Contact country: Not reported  
Contact telephone: 707-227-6434  
Contact email: BRYAN.SMITH@SUULUTAAQ.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: SUULUTAAQ ENDERS  
Owner/operator address: 110 RAILROAD AVE STE A  
SUISUN CITY, CA 94585  
Owner/operator country: Not reported  
Owner/operator telephone: 707-227-6434

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUULUTAAQ (Continued)**

**1026051053**

Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: RANDY GROSWIRD  
Owner/operator address: 110 RAILROAD AVE STE A  
SUISUN CITY, CA 94585

Owner/operator country: Not reported  
Owner/operator telephone: 707-227-6434  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): Not reported  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**B7**  
**East**  
**< 1/8**  
**0.013 mi.**  
**71 ft.**

**CAMPBELL SOUP SUPPLY COMPANY, LLC - DIXON**  
**8380 PEDRICK RD**  
**DIXON, CA 95620**

**AST A100418431**  
**N/A**

**Site 2 of 5 in cluster B**

**Relative:**  
**Higher**  
**Actual:**  
**63 ft.**

AST:  
Name: CAMPBELL SOUP SUPPLY COMPANY, LLC - DIXON  
Address: 8380 PEDRICK RD  
City/Zip: DIXON,95620  
Certified Unified Program Agencies: Not reported  
Owner: Campbell Soup Company  
Total Gallons: Not reported  
CERSID: 10413688  
Facility ID: 48-000-080333  
Business Name: Campbell Soup Company  
Phone: (530) 510-6120  
Fax: (916) 441-3718

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY COMPANY, LLC - DIXON (Continued)**

**A100418431**

Mailing Address: PO Box 340  
Mailing Address City: Dixon  
Mailing Address State: CA  
Mailing Address Zip Code: 95620  
Operator Name: David Kiehn  
Operator Phone: (707) 678-4406 ext 5517  
Owner Phone: (856) 342-4800  
Owner Mail Address: 1 Campbell Place  
Owner State: NJ  
Owner Zip Code: 8103  
Owner Country: United States  
Property Owner Name: Campbell Soup Company  
Property Owner Phone: (856) 342-4800  
Property Owner Mailing Address: 1 Campbell Place  
Property Owner City: Camden  
Property Owner Stat : NJ  
Property Owner Zip Code: 8103  
Property Owner Country: United States  
EPAID: CAL912633366

**B8**  
**East**  
**< 1/8**  
**0.013 mi.**  
**71 ft.**

**CAMPBELL SOUP SUPPLY COMPANY LLC - DIXON**  
**8380 PEDRICK RD**  
**DIXON, CA 95620**

**RCRA NonGen / NLR**

**1024875500**  
**CAL912633366**

**Site 3 of 5 in cluster B**

**Relative:**  
**Higher**  
**Actual:**  
**63 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 1991-09-20 00:00:00.0  
Facility name: CAMPBELL SOUP SUPPLY COMPANY LLC - DIXON  
Facility address: 8380 PEDRICK RD  
DIXON, CA 95620-9606  
EPA ID: CAL912633366  
Mailing address: PO BOX 340  
DIXON, CA 95620-0000  
Contact: THOMAS MAULHARDT  
Contact address: PO BOX 340  
DIXON, CA 95620  
Contact country: Not reported  
Contact telephone: 530-219-3658  
Contact email: THOMAS\_MAULHARDT@CAMPBELLSOUP.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:  
Owner/operator name: THOMAS MAULHARDT  
Owner/operator address: PO BOX 340  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 530-219-3658  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CAMPBELL SOUP SUPPLY COMPANY LLC - DIXON (Continued)**

**1024875500**

Owner/operator name: CAMPBELL SOUP COMPANY  
 Owner/operator address: 1 CAMPBELL PLACE  
 CAMDEN, NJ 08103  
 Owner/operator country: Not reported  
 Owner/operator telephone: 856-342-4800  
 Owner/operator email: Not reported  
 Owner/operator fax: Not reported  
 Owner/operator extension: Not reported  
 Legal status: Other  
 Owner/Operator Type: Owner  
 Owner/Op start date: Not reported  
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

**B9**  
**East**  
**< 1/8**  
**0.013 mi.**  
**71 ft.**

**CAMPBELL SOUP SUPPLY CO**  
**8380 PEDRICK RD**  
**DIXON, CA 95620**  
**Site 4 of 5 in cluster B**

**LUST** **S105960090**  
**ENF** **N/A**  
**HAZNET**  
**NPDES**  
**CIWQS**  
**CERS**  
**HWTS**

**Relative:**  
**Higher**

**Actual:**  
**63 ft.**

SOLANO CO. LUST:  
 Name: CAMPBELL SOUP SUPPLY CO LLC  
 Address: 8380 PEDRICK RD  
 City,State,Zip: DIXON, CA 95620  
 Region: SOLANO  
 Facility ID: 80333  
 Facility Status: I  
 Facility Status Desc: Inactive  
 Facility Phone: 707-678-4406 Ext 504  
 Program: 29S  
 Inventory Number: 1  
 Inventory Type: SLIC - Closed Site (138)  
 Inventory Description: Ref Date = 7/2/2015  
 Last service/permit exp: LETTER/REPORT WRITING  
 Last service date: 07/02/2015  
 District: SUP-DIST NO 3033  
 Inspector: LaPlace, Colby S  
 Call Back: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

ENF:

Name: CAMPBELL SOUP SUPPLY DIXON FACILITY  
Address: 8380 PEDRICK ROAD  
City,State,Zip: DIXON, CA 95620  
Region: Not reported  
Facility Id: 220383  
Agency Name: Campbell Soup Supply Company LLC  
Place Type: Food Processor  
Place Subtype: Food Processing NEC  
Facility Type: Industrial  
Agency Type: Privately-Owned Business  
# Of Agencies: 1  
Place Latitude: 38.475556  
Place Longitude: -121.801111  
SIC Code 1: 2033  
SIC Desc 1: Canned Fruits, Vegetables, Preserves, Jams, and Jellies  
SIC Code 2: Not reported  
SIC Desc 2: Not reported  
SIC Code 3: Not reported  
SIC Desc 3: Not reported  
NAICS Code 1: 311421  
NAICS Desc 1: Fruit and Vegetable Canning (pt)  
NAICS Code 2: Not reported  
NAICS Desc 2: Not reported  
NAICS Code 3: Not reported  
NAICS Desc 3: Not reported  
# Of Places: 1  
Source Of Facility: Reg Meas  
Design Flow: 5  
Threat To Water Quality: 2  
Complexity: B  
Pretreatment: N - POTW does not have EPA approved pretreatment prog.  
Facility Waste Type: Not reported  
Facility Waste Type 2: Not reported  
Facility Waste Type 3: Not reported  
Facility Waste Type 4: Not reported  
Program: WDRINDFP  
Program Category1: WDR  
Program Category2: WDR  
# Of Programs: 1  
WDID: 5A482012001  
Reg Measure Id: 146414  
Reg Measure Type: WDR  
Region: Not reported  
Order #: R5-1995-0101  
Npdes# CA#: Not reported  
Major-Minor: Not reported  
Npdes Type: Not reported  
Reclamation: 2 - Producer-User  
Dredge Fill Fee: Not reported  
301H: Not reported  
Application Fee Amt Received: Not reported  
Status: Historical  
Status Date: 05/13/2014  
Effective Date: 04/28/1995  
Expiration/Review Date: 04/28/2010  
Termination Date: 03/17/2010



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX
Direction/Voice:	Passive
Enforcement Id(EID):	251906
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	13267 Letter
Effective Date:	04/06/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/31/2010
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	13267 Letter 04/06/2004 for Campbell Soup Supply Dixon Facility
Description:	13267 for nonsubmittal of monitoring reports
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Name:	CAMPBELL SOUP SUPPLY DIXON FACILITY
Address:	8380 PEDRICK ROAD
City,State,Zip:	DIXON, CA 95620
Region:	Not reported
Facility Id:	220383
Agency Name:	Campbell Soup Supply Company LLC
Place Type:	Food Processor
Place Subtype:	Food Processing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.475556
Place Longitude:	-121.801111
SIC Code 1:	2033
SIC Desc 1:	Canned Fruits, Vegetables, Preserves, Jams, and Jellies
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	5
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Miscellaneous
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRINDFP
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	5A482012001
Reg Measure Id:	368467
Reg Measure Type:	WDR
Region:	Not reported
Order #:	R5-2010-0038
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	2 - Producer-User
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	06/24/2019
Effective Date:	03/18/2010
Expiration/Review Date:	03/18/2020
Termination Date:	06/06/2019
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	6/7/2019
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX
Direction/Voice:	Passive
Enforcement Id(EID):	410836
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	12/05/2016
Adoption/Issuance Date:	12/05/2016
Achieve Date:	Not reported
Termination Date:	12/05/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	NOV 12/05/2016 for Campbell Soup Supply Company LLC
Description:	Not reported
Program:	WDRINDFP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Name:	CAMPBELL SOUP SUPPLY DIXON FACILITY
Address:	8380 PEDRICK ROAD
City,State,Zip:	DIXON, CA 95620
Region:	Not reported
Facility Id:	220383
Agency Name:	Campbell Soup Supply Company LLC
Place Type:	Food Processor
Place Subtype:	Food Processing NEC
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	38.475556
Place Longitude:	-121.801111
SIC Code 1:	2033
SIC Desc 1:	Canned Fruits, Vegetables, Preserves, Jams, and Jellies
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	311421
NAICS Desc 1:	Fruit and Vegetable Canning (pt)
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	5
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Miscellaneous
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRINDFP
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	5A482012001
Reg Measure Id:	368467
Reg Measure Type:	WDR
Region:	Not reported
Order #:	R5-2010-0038
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

Reclamation: 2 - Producer-User  
Dredge Fill Fee: Not reported  
301H: Not reported  
Application Fee Amt Received: Not reported  
Status: Historical  
Status Date: 06/24/2019  
Effective Date: 03/18/2010  
Expiration/Review Date: 03/18/2020  
Termination Date: 06/06/2019  
WDR Review - Amend: Not reported  
WDR Review - Revise/Renew: 6/7/2019  
WDR Review - Rescind: Not reported  
WDR Review - No Action Required: Not reported  
WDR Review - Pending: Not reported  
WDR Review - Planned: Not reported  
Status Enrollee: N  
Individual/General: I  
Fee Code: 58 - Non15 Based on (TTWQ)/CPLX  
Direction/Voice: Passive  
Enforcement Id(EID): 374251  
Region: Not reported  
Order / Resolution Number: Not reported  
Enforcement Action Type: Notice of Violation  
Effective Date: 04/22/2010  
Adoption/Issuance Date: Not reported  
Achieve Date: Not reported  
Termination Date: 04/22/2010  
ACL Issuance Date: Not reported  
EPL Issuance Date: Not reported  
Status: Historical  
Title: NOV 04/22/2010 for Campbell Soup Supply Co.  
Description: NOV sent for unauthorized discharge, failure to maintain facility, and failure to notify.  
Program: WDRINDFP  
Latest Milestone Completion Date: Not reported  
# Of Programs1: 1  
Total Assessment Amount: 0  
Initial Assessed Amount: 0  
Liability \$ Amount: 0  
Project \$ Amount: 0  
Liability \$ Paid: 0  
Project \$ Completed: 0  
Total \$ Paid/Completed Amount: 0

**HAZNET:**

Name: CAMPBELL SOUP  
Address: 8380 PEDRICK RD  
Address 2: Not reported  
City,State,Zip: DIXON, CA 95621  
Contact: TOM MULDHART  
Telephone: 5302193658  
Mailing Name: Not reported  
Mailing Address: 8380 PEDRICK RD  
  
Year: 2015  
Gepaid: CAC002812840  
TSD EPA ID: CAD982042475

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

CA Waste Code: 151 - Asbestos containing waste  
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As  
Landfill( To Include On-Site Treatment And/Or Stabilization)  
Tons: 4.6

Additional Info:

Year: 2015  
Gen EPA ID: CAC002812840

Shipment Date: 20150513  
Creation Date: 7/8/2015 22:15:37  
Receipt Date: 20150513  
Manifest ID: 012189860JJK  
Trans EPA ID: CAR000183152  
Trans Name: LD TRANSPORTATION LLC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD982042475  
Trans Name: RECOLOGY HAY ROAD LANDFILL  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 151 - Asbestos-containing waste  
RCRA Code: Not reported  
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As  
Landfill( To Include On-Site Treatment And/Or Stabilization)  
Quantity Tons: 4.6  
Waste Quantity: 20  
Quantity Unit: Y  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

NPDES:

Name: CAMPBELL SOUP SUPPLY CO  
Address: 8380 PEDRICK RD  
City,State,Zip: DIXON, CA 95620  
Facility Status: Active  
NPDES Number: CAS000001  
Region: 5S  
Agency Number: 0  
Regulatory Measure ID: 405033  
Place ID: Not reported  
Order Number: 97-03-DWQ  
WDID: 5S481022706  
Regulatory Measure Type: Enrollee  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 07/07/2010  
Termination Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Discharge Address: PO Box 340  
Discharge Name: Campbell Soup Supply Co  
Discharge City: Dixon

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

Discharge State: California  
Discharge Zip: 95620  
Status: Not reported  
Status Date: Not reported  
Operator Name: Not reported  
Operator Address: Not reported  
Operator City: Not reported  
Operator State: Not reported  
Operator Zip: Not reported

NPDES as of 03/2018:  
NPDES Number: Not reported  
Status: Not reported  
Agency Number: Not reported  
Region: 5S  
Regulatory Measure ID: 405033  
Order Number: Not reported  
Regulatory Measure Type: Industrial  
Place ID: Not reported  
WDID: 5S481022706  
Program Type: Not reported  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: Not reported  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Not reported  
Discharge Address: Not reported  
Discharge City: Not reported  
Discharge State: Not reported  
Discharge Zip: Not reported  
Received Date: 07/07/2010  
Processed Date: 07/07/2010  
Status: Active  
Status Date: 07/07/2010  
Place Size: 52.82  
Place Size Unit: Acres  
Contact: David Kiehn  
Contact Title: Plant Manager  
Contact Phone: 707-678-4406  
Contact Phone Ext: 5517  
Contact Email: david\_kiehn@campbellsoup.com  
Operator Name: Campbell Soup Supply Co  
Operator Address: PO Box 340  
Operator City: Dixon  
Operator State: California  
Operator Zip: 95620  
Operator Contact: David Kiehn  
Operator Contact Title: Plant Manager  
Operator Contact Phone: 707-678-4406  
Operator Contact Phone Ext: 5517  
Operator Contact Email: david\_kiehn@campbellsoup.com  
Operator Type: Private Business  
Developer: Not reported  
Developer Address: Not reported  
Developer City: Not reported  
Developer State: California  
Developer Zip: Not reported  
Developer Contact: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Sacramento River
Certifier:	David Kiehn
Certifier Title:	Plant Manager
Certification Date:	30-JUN-15
Primary Sic:	2099-Food Preparations, NEC
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	5S
Regulatory Measure ID:	405033
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	5S481022706
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	07/07/2010
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Campbell Soup Supply Co
Discharge Address:	PO Box 340
Discharge City:	Dixon
Discharge State:	California
Discharge Zip:	95620
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

Contact Phone Ext: Not reported  
Contact Email: Not reported  
Operator Name: Not reported  
Operator Address: Not reported  
Operator City: Not reported  
Operator State: Not reported  
Operator Zip: Not reported  
Operator Contact: Not reported  
Operator Contact Title: Not reported  
Operator Contact Phone: Not reported  
Operator Contact Phone Ext: Not reported  
Operator Contact Email: Not reported  
Operator Type: Not reported  
Developer: Not reported  
Developer Address: Not reported  
Developer City: Not reported  
Developer State: Not reported  
Developer Zip: Not reported  
Developer Contact: Not reported  
Developer Contact Title: Not reported  
Constype Linear Utility Ind: Not reported  
Emergency Phone: Not reported  
Emergency Phone Ext: Not reported  
Constype Above Ground Ind: Not reported  
Constype Below Ground Ind: Not reported  
Constype Cable Line Ind: Not reported  
Constype Comm Line Ind: Not reported  
Constype Commercial Ind: Not reported  
Constype Electrical Line Ind: Not reported  
Constype Gas Line Ind: Not reported  
Constype Industrial Ind: Not reported  
Constype Other Description: Not reported  
Constype Other Ind: Not reported  
Constype Recons Ind: Not reported  
Constype Residential Ind: Not reported  
Constype Transport Ind: Not reported  
Constype Utility Description: Not reported  
Constype Utility Ind: Not reported  
Constype Water Sewer Ind: Not reported  
Dir Discharge Uswater Ind: Not reported  
Receiving Water Name: Not reported  
Certifier: Not reported  
Certifier Title: Not reported  
Certification Date: Not reported  
Primary Sic: Not reported  
Secondary Sic: Not reported  
Tertiary Sic: Not reported

Name: CAMPBELL SOUP SUPPLY CO  
Address: 8380 PEDRICK RD  
City,State,Zip: DIXON, CA 95620  
Facility Status: Not reported  
NPDES Number: Not reported  
Region: Not reported  
Agency Number: Not reported  
Regulatory Measure ID: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

Place ID:	Not reported
Order Number:	Not reported
WDID:	5S481022706
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	07/07/2010
Operator Name:	Campbell Soup Supply Co
Operator Address:	PO Box 340
Operator City:	Dixon
Operator State:	California
Operator Zip:	95620
NPDES as of 03/2018:	
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	5S
Regulatory Measure ID:	405033
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	5S481022706
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	07/07/2010
Processed Date:	07/07/2010
Status:	Active
Status Date:	07/07/2010
Place Size:	52.82
Place Size Unit:	Acres
Contact:	David Kiehn
Contact Title:	Plant Manager
Contact Phone:	707-678-4406
Contact Phone Ext:	5517
Contact Email:	david_kiehn@campbellsoup.com
Operator Name:	Campbell Soup Supply Co
Operator Address:	PO Box 340
Operator City:	Dixon
Operator State:	California
Operator Zip:	95620

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

Operator Contact: David Kiehn  
Operator Contact Title: Plant Manager  
Operator Contact Phone: 707-678-4406  
Operator Contact Phone Ext: 5517  
Operator Contact Email: david\_kiehn@campbellsoup.com  
Operator Type: Private Business  
Developer: Not reported  
Developer Address: Not reported  
Developer City: Not reported  
Developer State: California  
Developer Zip: Not reported  
Developer Contact: Not reported  
Developer Contact Title: Not reported  
Constype Linear Utility Ind: Not reported  
Emergency Phone: Not reported  
Emergency Phone Ext: Not reported  
Constype Above Ground Ind: Not reported  
Constype Below Ground Ind: Not reported  
Constype Cable Line Ind: Not reported  
Constype Comm Line Ind: Not reported  
Constype Commercial Ind: Not reported  
Constype Electrical Line Ind: Not reported  
Constype Gas Line Ind: Not reported  
Constype Industrial Ind: Not reported  
Constype Other Description: Not reported  
Constype Other Ind: Not reported  
Constype Recons Ind: Not reported  
Constype Residential Ind: Not reported  
Constype Transport Ind: Not reported  
Constype Utility Description: Not reported  
Constype Utility Ind: Not reported  
Constype Water Sewer Ind: Not reported  
Dir Discharge Uswater Ind: N  
Receiving Water Name: Sacramento River  
Certifier: David Kiehn  
Certifier Title: Plant Manager  
Certification Date: 30-JUN-15  
Primary Sic: 2099-Food Preparations, NEC  
Secondary Sic: Not reported  
Tertiary Sic: Not reported  
  
NPDES Number: CAS000001  
Status: Active  
Agency Number: 0  
Region: 5S  
Regulatory Measure ID: 405033  
Order Number: 97-03-DWQ  
Regulatory Measure Type: Enrollee  
Place ID: Not reported  
WDID: 5S48I022706  
Program Type: Industrial  
Adoption Date Of Regulatory Measure: Not reported  
Effective Date Of Regulatory Measure: 07/07/2010  
Expiration Date Of Regulatory Measure: Not reported  
Termination Date Of Regulatory Measure: Not reported  
Discharge Name: Campbell Soup Supply Co  
Discharge Address: PO Box 340

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

Discharge City:	Dixon
Discharge State:	California
Discharge Zip:	95620
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commercial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

Secondary Sic: Not reported  
 Tertiary Sic: Not reported

**CIWQS:**

Name: CAMPBELL SOUP SUPPLY CO  
 Address: 8380 PEDRICK RD  
 City,State,Zip: DIXON, CA 95620  
 Agency: Campbell Soup Supply Co  
 Agency Address: PO Box 340 8380 Pedrick Road, Dixon, CA 95620  
 Place/Project Type: Industrial - Food Preparations, NEC  
 SIC/NAICS: 2099  
 Region: 5S  
 Program: INDSTW  
 Regulatory Measure Status: Active  
 Regulatory Measure Type: Storm water industrial  
 Order Number: 2014-0057-DWQ  
 WDID: 5S481022706  
 NPDES Number: CAS000001  
 Adoption Date: Not reported  
 Effective Date: 07/07/2010  
 Termination Date: Not reported  
 Expiration/Review Date: Not reported  
 Design Flow: Not reported  
 Major/Minor: Not reported  
 Complexity: Not reported  
 TTWQ: Not reported  
 Enforcement Actions within 5 years: 0  
 Violations within 5 years: 0  
 Latitude: 38.47571  
 Longitude: -121.80097

Name: CAMPBELL SOUP SUPPLY DIXON FACILITY  
 Address: 8380 PEDRICK ROAD  
 City,State,Zip: DIXON, CA 95620  
 Agency: Campbell Soup Supply Company LLC  
 Agency Address: 1 Campbell Place, Camden, NJ 08101  
 Place/Project Type: Food Processing  
 SIC/NAICS: 2033  
 Region: 5S  
 Program: WDR, WDRINDFP  
 Regulatory Measure Status: Active  
 Regulatory Measure Type: WDR  
 Order Number: R5-2019-0055  
 WDID: 5A482012001  
 NPDES Number: Not reported  
 Adoption Date: 06/07/2019  
 Effective Date: 06/07/2019  
 Termination Date: Not reported  
 Expiration/Review Date: 06/07/2029  
 Design Flow: 5  
 Major/Minor: Not reported  
 Complexity: B  
 TTWQ: 2  
 Enforcement Actions within 5 years: 1  
 Violations within 5 years: 8  
 Latitude: 38.475556

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CAMPBELL SOUP SUPPLY CO (Continued)**

**S105960090**

Longitude: -121.801111

**CERS:**

Name: CAMPBELL SOUP SUPPLY CO  
 Address: 8380 PEDRICK RD  
 City,State,Zip: DIXON, CA 95620  
 Site ID: 528524  
 CERS ID: 804402  
 CERS Description: Industrial Facility Storm Water

**Affiliation:**

Affiliation Type Desc: Owner/Operator  
 Entity Name: Campbell Soup Supply Co  
 Entity Title: Operator  
 Affiliation Address: PO Box 3408380 Pedrick Road  
 Affiliation City: Dixon  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: 95620  
 Affiliation Phone: Not reported

**HWTS:**

Name: CAMPBELL SOUP  
 Address: 8380 PEDRICK RD  
 Address 2: Not reported  
 City,State,Zip: DIXON, CA 95621  
 EPA ID: CAC002812840  
 Inactive Date: 07/30/2015  
 Create Date: 04/30/2015  
 Last Act Date: 07/31/2015  
 Mailing Name: Not reported  
 Mailing Address: 8380 PEDRICK RD  
 Mailing Address 2: Not reported  
 Mailing City,State,Zip: DIXON, CA 956209606  
 Owner Name: TOM MULDHART  
 Owner Address: 8380 PEDRICK RD  
 Owner Address 2: Not reported  
 Owner City,State,Zip: DIXON, CA 956209606  
 Contact Name: TOM MULDHART  
 Contact Address: 8380 PEDRICK RD  
 Contact Address 2: Not reported  
 City,State,Zip: DIXON, CA 956209606

**B10**  
**East**  
**< 1/8**  
**0.013 mi.**  
**71 ft.**

**CAMPBELL SOUP SUPPLY COMPANY, LLC - DIXON**  
**8380 PEDRICK RD**  
**DIXON, CA 95620**  
**Site 5 of 5 in cluster B**

**CERS HAZ WASTE S121771965**  
**CERS TANKS N/A**  
**CERS**

**Relative:**  
**Higher**  
**Actual:**  
**63 ft.**

**CERS HAZ WASTE:**  
 Name: CAMPBELL SOUP SUPPLY COMPANY, LLC - DIXON  
 Address: 8380 PEDRICK RD  
 City,State,Zip: DIXON, CA 95620  
 Site ID: 389270  
 CERS ID: 10413688  
 CERS Description: Hazardous Waste Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY COMPANY, LLC - DIXON (Continued)**

**S121771965**

**CERS TANKS:**

Name: CAMPBELL SOUP SUPPLY COMPANY, LLC - DIXON  
Address: 8380 PEDRICK RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 389270  
CERS ID: 10413688  
CERS Description: Aboveground Petroleum Storage

**CERS:**

Name: CAMPBELL SOUP SUPPLY COMPANY, LLC - DIXON  
Address: 8380 PEDRICK RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 389270  
CERS ID: 10413688  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 389270  
Site Name: Campbell Soup Supply Company, LLC - Dixon  
Violation Date: 03-30-2015  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple  
Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 08/15/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 389270  
Site Name: Campbell Soup Supply Company, LLC - Dixon  
Violation Date: 07-23-2019  
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7

Violation Description: Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following: (e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or (3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or (4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or (i) By shipping the container or inner liner back to the supplier for the purpose of being refilled. (f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.

Violation Notes: Not reported  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY COMPANY, LLC - DIXON (Continued)**

**S121771965**

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-30-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Has SPCC plan (Tier II) at this facility  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-23-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-23-2019  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-30-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:

Site ID: 389270  
Facility Name: Campbell Soup Supply Company, LLC - Dixon  
Env Int Type Code: APSA  
Program ID: 10413688  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.475700  
Longitude: -121.801080

Affiliation:

Affiliation Type Desc: Identification Signer  
Entity Name: Thomas Maulhardt  
Entity Title: Environmental Supervisor, Ag. Ops.  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY COMPANY, LLC - DIXON (Continued)**

**S121771965**

Affiliation Phone: Not reported  
  
Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Operator  
Entity Name: David Kiehn  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 678-4406

Affiliation Type Desc: Property Owner  
Entity Name: Campbell Soup Company  
Entity Title: Not reported  
Affiliation Address: 1 Campbell Place  
Affiliation City: Camden  
Affiliation State: NJ  
Affiliation Country: United States  
Affiliation Zip: 08103  
Affiliation Phone: (856) 342-4800

Affiliation Type Desc: Document Preparer  
Entity Name: Thomas Maulhardt  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Thomas Maulhardt  
Entity Title: Not reported  
Affiliation Address: PO Box 340  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: PO Box 340  
Affiliation City: Dixon



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CAMPBELL SOUP SUPPLY COMPANY, LLC - DIXON (Continued)**

**S121771965**

Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: Campbell Soup Company  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Campbell Soup Company  
Entity Title: Not reported  
Affiliation Address: 1 Campbell Place  
Affiliation City: Camden  
Affiliation State: NJ  
Affiliation Country: United States  
Affiliation Zip: 08103  
Affiliation Phone: (856) 342-4800

Name: CAMPBELL SOUP SUPPLY LLC\_(DIXON)  
Address: 8380 PEDRICK RD  
City,State,Zip: DIXON, CA 956200000  
Site ID: 457608  
CERS ID: 110001189008  
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:  
Affiliation Type Desc: Public Contact  
Entity Name: W.E. LATTIMER  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

11  
ESE  
< 1/8  
0.014 mi.  
75 ft.

**PACIFIC GAS & ELECTRIC CO**  
**8312 PEDRICK RD**  
**DIXON, CA 95620**

**RCRA-LQG 1024877128**  
**CAR000286807**

**Relative:**  
**Higher**

RCRA-LQG:  
Date form received by agency: 2018-08-09 00:00:00.0  
Facility name: PACIFIC GAS & ELECTRIC CO  
Facility address: 8312 PEDRICK RD  
DIXON, CA 95620  
EPA ID: CAR000286807  
Mailing address: PO BOX 7640

**Actual:**  
**63 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC GAS & ELECTRIC CO (Continued)**

**1024877128**

Contact: SAN FRANCISCO, CA 94120  
Contact address: KEVIN RISLEY  
STONY CIRCLE  
SANTA ROSA, CA 95401  
Contact country: US  
Contact telephone: 707-577-7133  
Contact email: KXRU@PGE.COM  
EPA Region: 09  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

**Owner/Operator Summary:**

Owner/operator name: PACIFIC GAS & ELECTRIC COMPANY  
Owner/operator address: BEALE  
SAN FRANCISCO, CA 94105  
Owner/operator country: US  
Owner/operator telephone: 707-577-7133  
Owner/operator email: KXRU@PGE.COM  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 1905-01-01 00:00:00.  
Owner/Op end date: Not reported

Owner/operator name: PACIFIC GAS & ELECTRIC COMPANY  
Owner/operator address: BEALE ST  
SAN FRANCISCO, CA 94105  
Owner/operator country: US  
Owner/operator telephone: 707-577-7133  
Owner/operator email: KXRU@PGE.COM  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 1905-01-01 00:00:00.  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PACIFIC GAS & ELECTRIC CO (Continued)**

**1024877128**

On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: 181  
. Waste name: Other inorganic solid waste  
  
. Waste code: 611  
. Waste name: Contaminated soil from site clean-ups  
  
. Waste code: D008  
. Waste name: LEAD

Violation Status: No violations found

**C12  
SSE  
< 1/8  
0.066 mi.  
351 ft.**

**GREINER HEATING AND AIR INC  
8235 PEDRICK RD  
DIXON, CA 95620**

**CERS HAZ WASTE S121773374  
CERS N/A**

**Site 1 of 2 in cluster C**

**Relative:  
Lower  
Actual:  
62 ft.**

CERS HAZ WASTE:  
Name: GREINER HEATING AND AIR INC  
Address: 8235 PEDRICK RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 394150  
CERS ID: 10169923  
CERS Description: Hazardous Waste Generator

CERS:  
Name: GREINER HEATING AND AIR INC  
Address: 8235 PEDRICK RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 394150  
CERS ID: 10169923  
CERS Description: Chemical Storage Facilities

Violations:  
Site ID: 394150  
Site Name: Greiner Heating and Air Inc  
Violation Date: 07-30-2018  
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173

Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violation Notes: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREINER HEATING AND AIR INC (Continued)**

**S121773374**

Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 394150  
Site Name: Greiner Heating and Air Inc  
Violation Date: 07-30-2018  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Violation Description: Business Plan Program - Operations/Maintenance - General  
Violation Notes: Returned to compliance on 08/07/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 394150  
Site Name: Greiner Heating and Air Inc  
Violation Date: 07-30-2018  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Notes: Returned to compliance on 08/07/2018.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 394150  
Site Name: Greiner Heating and Air Inc  
Violation Date: 07-30-2018  
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)

Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violation Notes: Not reported  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 394150  
Site Name: Greiner Heating and Air Inc  
Violation Date: 07-30-2018  
Citation: 22 CCR 15 66265.174 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.174

Violation Description: Failure to inspect weekly, areas where hazardous waste containers are stored or transferred. The owner or operator shall look for leaking containers and for deterioration of containers and the containment system caused by corrosion or other factors.

Violation Notes: Not reported  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREINER HEATING AND AIR INC (Continued)**

**S121773374**

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-30-2018  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 07-30-2018  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Coordinates:

Site ID: 394150  
Facility Name: Greiner Heating and Air Inc  
Env Int Type Code: HMBP  
Program ID: 10169923  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.467780  
Longitude: -121.804480

Affiliation:

Affiliation Type Desc: Document Preparer  
Entity Name: Rick Dwelle  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: DAVID KRUEGER  
Entity Title: Not reported  
Affiliation Address: 8235 Pedrick Rd  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 8235 Pedrick Road  
Affiliation City: Dixon  
Affiliation State: CA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREINER HEATING AND AIR INC (Continued)**

**S121773374**

Affiliation Country: Not reported  
Affiliation Zip: 95688  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Patricia Greiner-Krueger  
Entity Title: Not reported  
Affiliation Address: 8235 Pedrick Rd  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 678-1784

Affiliation Type Desc: Property Owner  
Entity Name: Patricia Greiner-Krueger  
Entity Title: Not reported  
Affiliation Address: 8235 Pedrick Rd  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 678-1784

Affiliation Type Desc: Identification Signer  
Entity Name: Rick Dwelle  
Entity Title: Operations Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: Greiner Heating and Air Inc  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Operator  
Entity Name: Patricia Greiner Krueger  
Entity Title: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREINER HEATING AND AIR INC (Continued)**

**S121773374**

Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 678-1784

**C13**  
**SSE**  
**< 1/8**  
**0.066 mi.**  
**351 ft.**

**GREINER HEATING & AIR INC**  
**8235 PEDRICK RD**  
**DIXON, CA 95620**

**RCRA NonGen / NLR**

**1024812927**  
**CAL000301899**

**Site 2 of 2 in cluster C**

**Relative:**  
**Lower**  
**Actual:**  
**62 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 2006-01-04 00:00:00.0  
Facility name: GREINER HEATING & AIR INC  
Facility address: 8235 PEDRICK RD  
DIXON, CA 95620-9606  
EPA ID: CAL000301899  
Contact: DAVID KRUEGER  
Contact address: 8235 PEDRICK RD  
DIXON, CA 95620  
Contact country: Not reported  
Contact telephone: 707-678-1784  
Contact email: DK@GHAC.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: PATRICIA GREINER  
Owner/operator address: 8235 PEDRICK RD  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 707-678-1784  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: DAVID KRUEGER  
Owner/operator address: 8235 PEDRICK RD  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 707-678-1784  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GREINER HEATING & AIR INC (Continued)**

**1024812927**

Handler Activities Summary:

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

**D14**  
**South**  
**< 1/8**  
**0.109 mi.**  
**577 ft.**

**TSI TRUCKING**  
**1055 VAUGHN RD**  
**DIXON, CA 95620**  
**Site 1 of 3 in cluster D**

**CERS HAZ WASTE**  
**HAZNET**  
**CERS**  
**HWTS**

**S113798540**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**62 ft.**

**CERS HAZ WASTE:**  
 Name: TSI TRUCKING  
 Address: 1055 VAUGHN RD  
 City,State,Zip: DIXON, CA 95620  
 Site ID: 77948  
 CERS ID: 10172917  
 CERS Description: Hazardous Waste Generator

**HAZNET:**

Name: TSI TRUCKING  
 Address: 1055 VAUGHN RD  
 Address 2: Not reported  
 City,State,Zip: DIXON, CA 956209236  
 Contact: DAVID ITO  
 Telephone: 5306625442  
 Mailing Name: Not reported  
 Mailing Address: 201 EAST STREET

Year: 2016  
 Gepaid: CAL000350961  
 TSD EPA ID: CAD044003556  
 CA Waste Code: 352 - Other organic solids  
 Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
 Tons: 0.225

Year: 2015  
 Gepaid: CAL000350961  
 TSD EPA ID: CAD044003556  
 CA Waste Code: 352 - Other organic solids  
 Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
 Tons: 0.125



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TSI TRUCKING (Continued)**

**S113798540**

Year: 2013  
Gepaid: CAL000350961  
TSD EPA ID: CAD044003556  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.2

Year: 2012  
Gepaid: CAL000350961  
TSD EPA ID: CAD044003556  
CA Waste Code: 223 - Unspecified oil-containing waste  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.22935

Additional Info:

Year: 2015  
Gen EPA ID: CAL000350961

Shipment Date: 20150218  
Creation Date: 5/5/2015 22:15:14  
Receipt Date: 20150219  
Manifest ID: 013679836JJK  
Trans EPA ID: CAD044003556  
Trans Name: RAMOS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD044003556  
Trans Name: RAMOS ENVIRONMENTAL SERVICES INC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 352 - Other organic solids  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.125  
Waste Quantity: 250  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2013  
Gen EPA ID: CAL000350961

Shipment Date: 20131231  
Creation Date: 2/18/2014 22:15:13  
Receipt Date: 20140102  
Manifest ID: 012460666JJK  
Trans EPA ID: CAD004003556  
Trans Name: RAMOS ENVIRONMENTAL SERVICES INC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TSI TRUCKING (Continued)**

**S113798540**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD044003556
Trans Name:	RAMOS ENVIRONMENTAL SERVICES INC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2016
Gen EPA ID:	CAL000350961
Shipment Date: 20150218	
Creation Date: 5/5/2015 22:15:14	
Receipt Date: 20150219	
Manifest ID: 013679836JJK	
Trans EPA ID: CAD044003556	
Trans Name: RAMOS ENVIRONMENTAL SERVICES INC	
Trans 2 EPA ID: Not reported	
Trans 2 Name: Not reported	
TSDf EPA ID: CAD044003556	
Trans Name: RAMOS ENVIRONMENTAL SERVICES INC	
TSDf Alt EPA ID: Not reported	
TSDf Alt Name: Not reported	
CA Waste Code: 352 - Other organic solids	
RCRA Code: Not reported	
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)	
Quantity Tons: 0.125	
Waste Quantity: 250	
Quantity Unit: P	
Additional Code 1: Not reported	
Additional Code 2: Not reported	
Additional Code 3: Not reported	
Additional Code 4: Not reported	
Additional Code 5: Not reported	
Additional Info:	
Year:	2012
Gen EPA ID:	CAL000350961
Shipment Date: 20120718	
Creation Date: 10/15/2012 22:15:12	
Receipt Date: 20120719	
Manifest ID: 009928309JJK	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TSI TRUCKING (Continued)**

**S113798540**

Trans EPA ID: CAD044003556  
Trans Name: RAMOS ENVIRONMENTAL SERVICES  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD044003556  
Trans Name: RAMOS ENVIRONMENTAL SERVICES  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 223 - Unspecified oil-containing waste  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.22935  
Waste Quantity: 55  
Quantity Unit: G  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

CERS:  
Name: TSI TRUCKING  
Address: 1055 VAUGHN RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 77948  
CERS ID: 10172917  
CERS Description: Chemical Storage Facilities

Violations:  
Site ID: 77948  
Site Name: TSI TRUCKING  
Violation Date: 03-12-2015  
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)  
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.  
Violation Notes: Returned to compliance on 03/13/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-12-2015  
Violations Found: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TSI TRUCKING (Continued)**

**S113798540**

Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:  
Site ID: 77948  
Facility Name: TSI TRUCKING  
Env Int Type Code: HWG  
Program ID: 10172917  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.468190  
Longitude: -121.806100

Affiliation:  
Affiliation Type Desc: Identification Signer  
Entity Name: Joe Carrasco  
Entity Title: Trucking Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: Joe Carrasco  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: DAVID ITO  
Entity Title: Not reported  
Affiliation Address: 201 East Street  
Affiliation City: WOODLAND  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95776  
Affiliation Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TSI TRUCKING (Continued)**

**S113798540**

Affiliation Type Desc: Legal Owner  
Entity Name: JOHNNY COUNCIL  
Entity Title: Not reported  
Affiliation Address: 201 East Street  
Affiliation City: WOODLAND  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95776  
Affiliation Phone: (707) 678-5542

Affiliation Type Desc: Operator  
Entity Name: Joe Carrasco  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 678-5542

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: PO BOX 549  
Affiliation City: DIXON  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: Grow West - Trucking  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

**HWTS:**

Name: TSI TRUCKING  
Address: 1055 VAUGHN RD  
Address 2: Not reported  
City,State,Zip: DIXON, CA 956209236  
EPA ID: CAL000350961  
Inactive Date: 06/30/2019  
Create Date: 03/17/2010  
Last Act Date: 08/14/2019  
Mailing Name: Not reported  
Mailing Address: 201 EAST STREET  
Mailing Address 2: Not reported  
Mailing City,State,Zip: WOODLAND, CA 957760000  
Owner Name: THE TREMONT GROUP, INC  
Owner Address: 201 EAST STREET  
Owner Address 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TSI TRUCKING (Continued)**

**S113798540**

Owner City,State,Zip: WOODLAND, CA 957760000  
Contact Name: DAVID ITO  
Contact Address: 201 EAST STREET  
Contact Address 2: Not reported  
City,State,Zip: WOODLAND, CA 95776

**NAICS:**

EPA ID: CAL000350961  
Create Date: 2010-03-17 09:56:59  
NAICS Code: 44422  
NAICS Description: Nursery and Garden Centers  
Issued EPA ID Date: 2010-03-17 09:56:59  
Inactive Date: 2019-06-30 00:00:00  
Facility Name: TSI TRUCKING  
Facility Address: 1055 VAUGHN RD  
Facility Address 2: Not reported  
Facility City: DIXON  
Facility County: 48  
Facility State: CA  
Facility Zip: 956209236

**D15**  
**South**  
**< 1/8**  
**0.109 mi.**  
**577 ft.**

**TSI TRUCKING**  
**1055 VAUGHN RD**  
**DIXON, CA 95620**

**RCRA NonGen / NLR** **1024825409**  
**CAL000350961**

**Site 2 of 3 in cluster D**

**Relative:**  
**Lower**  
**Actual:**  
**62 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 2010-03-17 00:00:00.0  
Facility name: TSI TRUCKING  
Facility address: 1055 VAUGHN RD  
DIXON, CA 95620-9236  
EPA ID: CAL000350961  
Mailing address: 201 EAST STREET  
WOODLAND, CA 95776-0000  
Contact: DAVID ITO  
Contact address: 201 EAST STREET  
WOODLAND, CA 95776  
Contact country: Not reported  
Contact telephone: 530-662-5442  
Contact email: DITO@TREMONTAG.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: THE TREMONT GROUP, INC  
Owner/operator address: 201 EAST STREET  
WOODLAND, CA 95776  
Owner/operator country: Not reported  
Owner/operator telephone: 530-662-5442  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TSI TRUCKING (Continued)**

**1024825409**

Owner/Op end date: Not reported  
Owner/operator name: DAVID ITO  
Owner/operator address: 201 EAST STREET  
WOODLAND, CA 95776  
Owner/operator country: Not reported  
Owner/operator telephone: 530-662-5442  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**E16**  
**South**  
**< 1/8**  
**0.111 mi.**  
**585 ft.**

**CHAVEZ TRANSPORT INC.**  
**955 VAUGHN RD**  
**DIXON, CA 95620**

**CERS HAZ WASTE** **S121758648**  
**CERS TANKS** **N/A**  
**CERS**

**Site 1 of 6 in cluster E**

**Relative:**  
**Lower**  
**Actual:**  
**60 ft.**

**CERS HAZ WASTE:**  
Name: CHAVEZ TRANSPORT INC.  
Address: 955 VAUGHN RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 274066  
CERS ID: 10623082  
CERS Description: Hazardous Waste Generator

**CERS TANKS:**  
Name: CHAVEZ TRANSPORT INC.  
Address: 955 VAUGHN RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 274066  
CERS ID: 10623082  
CERS Description: Aboveground Petroleum Storage

**CERS:**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHAVEZ TRANSPORT INC. (Continued)**

**S121758648**

Name: CHAVEZ TRANSPORT INC.  
Address: 955 VAUGHN RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 274066  
CERS ID: 10623082  
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 274066  
Site Name: Chavez Transport INC.  
Violation Date: 03-20-2015  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to include inspections of tank supports/foundation, deterioration, discharges and/or accumulations of oil inside diked areas, and comparison records in the records of inspections (or customary business records).

Violation Notes: Not reported  
Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Site ID: 274066  
Site Name: Chavez Transport INC.  
Violation Date: 03-20-2015  
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174

Violation Description: Failure to inspect hazardous waste storage areas at least weekly.

Violation Notes: Returned to compliance on 07/28/2017.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 274066  
Site Name: Chavez Transport INC.  
Violation Date: 03-20-2015  
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Description: Failure to comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.

Violation Notes: Not reported  
Violation Division: Solano County Environmental Health  
Violation Program: APSA  
Violation Source: CERS

Site ID: 274066  
Site Name: Chavez Transport INC.  
Violation Date: 03-20-2015  
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)

Violation Description: Failure to complete and/or electronically submit a business plan when



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHAVEZ TRANSPORT INC. (Continued)**

**S121758648**

storing/handling a hazardous material at or above reportable quantities.  
Violation Notes: Returned to compliance on 03/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 274066  
Site Name: Chavez Transport INC.  
Violation Date: 03-20-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 04/24/2015. Employee training record sent for 2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 274066  
Site Name: Chavez Transport INC.  
Violation Date: 03-20-2015  
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)  
Violation Description: Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.  
Violation Notes: Returned to compliance on 04/24/2015. Hazardous waste disposal documentation sent for 2014.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 274066  
Site Name: Chavez Transport INC.  
Violation Date: 03-20-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.  
Violation Notes: Returned to compliance on 03/20/2015.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 274066  
Site Name: Chavez Transport INC.  
Violation Date: 03-20-2015  
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
Violation Description: Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.  
Violation Notes: Returned to compliance on 03/20/2015.  
Violation Division: Solano County Environmental Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHAVEZ TRANSPORT INC. (Continued)**

**S121758648**

Violation Program: HMRRP  
Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-20-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: APSA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-20-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-20-2015  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:  
Site ID: 274066  
Facility Name: Chavez Transport INC.  
Env Int Type Code: HWG  
Program ID: 10623082  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.468050  
Longitude: -121.808620

Affiliation:  
Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Legal Owner  
Entity Name: ADAM CHAVEZ  
Entity Title: Not reported  
Affiliation Address: PO Box 365

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHAVEZ TRANSPORT INC. (Continued)**

**S121758648**

Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 678-0514

Affiliation Type Desc: Property Owner  
Entity Name: Margariot Chavez  
Entity Title: Not reported  
Affiliation Address: PO Box 365  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 689-4741

Affiliation Type Desc: Environmental Contact  
Entity Name: ADAM CHAVEZ  
Entity Title: Not reported  
Affiliation Address: PO Box 365  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Adam Chavez  
Entity Title: General Manager  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: ADAM CHAVEZ  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 678-0514

Affiliation Type Desc: Document Preparer  
Entity Name: Adam Chavez  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHAVEZ TRANSPORT INC. (Continued)**

**S121758648**

Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: PO Box 365  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: Chavez Trucking  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

**E17**  
**South**  
**< 1/8**  
**0.111 mi.**  
**585 ft.**

**CHAVEZ TRUCKING COMPANY**  
**955 VAUGHN RD STE A**  
**DIXON, CA 95620**

**RCRA NonGen / NLR**

**1025868353**  
**CAL000362709**

**Site 2 of 6 in cluster E**

**Relative:**  
**Lower**  
**Actual:**  
**60 ft.**

RCRA NonGen / NLR:  
Date form received by agency: 2011-04-12 00:00:00.0  
Facility name: CHAVEZ TRUCKING COMPANY  
Facility address: 955 VAUGHN RD STE A  
DIXON, CA 95620-9233  
EPA ID: CAL000362709  
Mailing address: PO BOX 365  
DIXON, CA 95620-0000  
Contact: ADAM CHAVEZ  
Contact address: P O BOX 365  
DIXON, CA 95620  
Contact country: Not reported  
Contact telephone: 707-678-0514  
Contact email: TERESA@CHAVEZTRANSPORT.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: ADAM CHAVEZ  
Owner/operator address: P O BOX 365  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 707-678-0514  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHAVEZ TRUCKING COMPANY (Continued)**

**1025868353**

Owner/operator name: CHAVEZ TRUCKING DIXON  
Owner/operator address: P O BOX 365  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 707-678-0514  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: Yes  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: Yes  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

**E18**  
**South**  
**< 1/8**  
**0.111 mi.**  
**585 ft.**

**CHAVEZ TRUCKING**  
**955 VAUGHN RD**  
**DIXON, CA 95620**  
**Site 3 of 6 in cluster E**

**AST A100418676**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**60 ft.**

AST:  
Name: CHAVEZ TRUCKING  
Address: 955 VAUGHN RD  
City/Zip: DIXON,95620  
Certified Unified Program Agencies: Not reported  
Owner: Adam Chavez  
Total Gallons: Not reported  
CERSID: 10623082  
Facility ID: Not reported  
Business Name: Chavez Trucking  
Phone: 7076780514  
Fax: 7076785154  
Mailing Address: PO Box 365  
Mailing Address City: Dixon  
Mailing Address State: CA  
Mailing Address Zip Code: 95620  
Operator Name: Adam Chavez  
Operator Phone: 7076780514  
Owner Phone: 7076780514  
Owner Mail Address: PO Box 365

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHAVEZ TRUCKING (Continued)**

**A100418676**

Owner State: CA  
Owner Zip Code: 95620  
Owner Country: United States  
Property Owner Name: Margariot Chavez  
Property Owner Phone: 7076894741  
Property Owner Mailing Address: PO Box 365  
Property Owner City: Dixon  
Property Owner Stat : CA  
Property Owner Zip Code: 95620  
Property Owner Country: United States  
EPAID: CAL000362709

**D19**  
**South**  
**< 1/8**  
**0.120 mi.**  
**635 ft.**

**CHAVEZ TRUCKING**  
**VAUGHN RD**  
**DIXON, CA**

**AST A100339438**  
**N/A**

**Site 3 of 3 in cluster D**

**Relative:**  
**Lower**

**AST:**

**Actual:**  
**60 ft.**

Name: CHAVEZ TRUCKING  
Address: VAUGHN RD  
City/Zip: DIXON,  
Certified Unified Program Agencies: Solano  
Owner: Not reported  
Total Gallons: 12,000  
CERSID: Not reported  
Facility ID: Not reported  
Business Name: Not reported  
Phone: Not reported  
Fax: Not reported  
Mailing Address: Not reported  
Mailing Address City: Not reported  
Mailing Address State: Not reported  
Mailing Address Zip Code: Not reported  
Operator Name: Not reported  
Operator Phone: Not reported  
Owner Phone: Not reported  
Owner Mail Address: Not reported  
Owner State: Not reported  
Owner Zip Code: Not reported  
Owner Country: Not reported  
Property Owner Name: Not reported  
Property Owner Phone: Not reported  
Property Owner Mailing Address: Not reported  
Property Owner City: Not reported  
Property Owner Stat : Not reported  
Property Owner Zip Code: Not reported  
Property Owner Country: Not reported  
EPAID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**E20**  
**South**  
**1/8-1/4**  
**0.135 mi.**  
**711 ft.**

**GOLDSTAR FOODS / DICKINSON FLEET SERVICES**  
**1000 VAUGHN RD**  
**DIXON, CA 95620**

**RCRA NonGen / NLR**    **1024870098**  
**CAL000438725**

**Site 4 of 6 in cluster E**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

**Actual:**  
**60 ft.**

Date form received by agency: 2018-08-29 00:00:00.0  
Facility name: GOLDSTAR FOODS / DICKINSON FLEET SERVICES  
Facility address: 1000 VAUGHN RD  
DIXON, CA 95620  
EPA ID: CAL000438725  
Mailing address: 4709 W 96TH ST  
INDIANAPOLIS, IN 46268  
Contact: RAYMOND GROSS  
Contact address: 1000 VAUGHN RD  
DIXON, CA 95620  
Contact country: Not reported  
Contact telephone: 310-890-0371  
Contact email: RGROSS@DICKINSONFLEETSERVICES.COM  
EPA Region: 09  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: GOLDSTAR FOODS  
Owner/operator address: 1000 VAUGHN RD  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 310-890-0371  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: RAYMOND GROSS  
Owner/operator address: 1000 VAUGHN RD  
DIXON, CA 95620  
Owner/operator country: Not reported  
Owner/operator telephone: 310-890-0371  
Owner/operator email: Not reported  
Owner/operator fax: Not reported  
Owner/operator extension: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GOLDSTAR FOODS / DICKINSON FLEET SERVICES (Continued)**

**1024870098**

On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Violation Status: No violations found

**E21**  
**South**  
**1/8-1/4**  
**0.135 mi.**  
**711 ft.**

**ALTEC INDUSTRIES PDX**  
**1000 VAUGHN RD STE A**  
**DIXON, CA 95620**

**CERS HAZ WASTE**  
**CERS**

**S123101874**  
**N/A**

**Site 5 of 6 in cluster E**

**Relative:**  
**Lower**  
**Actual:**  
**60 ft.**

**CERS HAZ WASTE:**  
 Name: ALTEC INDUSTRIES PDX  
 Address: 1000 VAUGHN RD STE A  
 City,State,Zip: DIXON, CA 95620  
 Site ID: 442206  
 CERS ID: 10770634  
 CERS Description: Hazardous Waste Generator

**CERS:**  
 Name: ALTEC INDUSTRIES PDX  
 Address: 1000 VAUGHN RD STE A  
 City,State,Zip: DIXON, CA 95620  
 Site ID: 442206  
 CERS ID: 10770634  
 CERS Description: Chemical Storage Facilities

**Violations:**  
 Site ID: 442206  
 Site Name: Altec Industries PDX  
 Violation Date: 02-27-2019  
 Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
 Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.  
 Violation Notes: Not reported  
 Violation Division: Solano County Environmental Health  
 Violation Program: HMRRP  
 Violation Source: CERS

Site ID: 442206  
 Site Name: Altec Industries PDX  
 Violation Date: 02-27-2019  
 Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
 Violation Description: Failure to complete and electronically submit a site map with all required content.  
 Violation Notes: Not reported  
 Violation Division: Solano County Environmental Health  
 Violation Program: HMRRP  
 Violation Source: CERS



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALTEC INDUSTRIES PDX (Continued)**

**S123101874**

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-27-2019  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-27-2019  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Affiliation:

Affiliation Type Desc: Environmental Contact  
Entity Name: David Braithwaite  
Entity Title: Not reported  
Affiliation Address: 1000 Vaughn Rd Ste A  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: David Braithwaite  
Entity Title: Supervisor  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner  
Entity Name: Altec Industries, Inc.  
Entity Title: Not reported  
Affiliation Address: 210 Inverness Center Drive  
Affiliation City: Birmingham  
Affiliation State: AL  
Affiliation Country: United States  
Affiliation Zip: 35242  
Affiliation Phone: (205) 991-7733

Affiliation Type Desc: Operator  
Entity Name: Altec Industries, Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALTEC INDUSTRIES PDX (Continued)**

**S123101874**

Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (707) 678-8010

Affiliation Type Desc: Parent Corporation  
Entity Name: Altec Industries Inc.  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Document Preparer  
Entity Name: David Braithwaite  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 1000 Vaughn Rd Ste A  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner  
Entity Name: Altec Industries, Inc.  
Entity Title: Not reported  
Affiliation Address: 1000 Vaughn Rd Ste A  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 95620  
Affiliation Phone: (707) 678-8010

MAP FINDINGS

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
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<b>E22</b>				<b>ALTEC INDUSTRIES, INC.</b>	<b>RCRA-VSQG</b>	<b>1024877197</b>	
<b>South</b>				<b>1000 VAUGHN ROAD STE A</b>			<b>CAR000287664</b>
<b>1/8-1/4</b>				<b>DIXON, CA 95620</b>			
<b>0.135 mi.</b>				<b>Site 6 of 6 in cluster E</b>			
<b>711 ft.</b>							

**Relative:** RCRA-VSQG:  
**Lower** Date form received by agency: 2018-08-27 00:00:00.0  
**Actual:** Facility name: ALTEC INDUSTRIES, INC.  
**60 ft.** Facility address: 1000 VAUGHN ROAD STE A  
 DIXON, CA 95620  
 EPA ID: CAR000287664  
 Mailing address: VAUGHN ROAD STE A  
 DIXON, CA 95620  
 Contact: DAVID BRAITHWAITE  
 Contact address: VAUGHN ROAD STE A  
 DIXON, CA 95620  
 Contact country: US  
 Contact telephone: 707-678-7345  
 Contact email: DAVID.BRAITHAWAITE@ALTEC.COM  
 EPA Region: 09  
 Classification: Conditionally Exempt Small Quantity Generator  
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

**Owner/Operator Summary:**  
 Owner/operator name: 1ST COMMERCIAL REALTY GROUP, INC.  
 Owner/operator address: SIERRA COLLEGE BLVD STE 270  
 ROSEVILLE, CA 95661  
 Owner/operator country: US  
 Owner/operator telephone: 916-797-1083  
 Owner/operator email: Not reported  
 Owner/operator fax: Not reported  
 Owner/operator extension: Not reported  
 Legal status: Private  
 Owner/Operator Type: Owner  
 Owner/Op start date: 2015-11-10 00:00:00.  
 Owner/Op end date: Not reported

Owner/operator name: ALTEC INDUSTRIES, INC.  
 Owner/operator address: INVERNESS CENTER DRIVE  
 BIRMINGHAM, AL 35242  
 Owner/operator country: US  
 Owner/operator telephone: 205-991-7733  
 Owner/operator email: Not reported  
 Owner/operator fax: Not reported  
 Owner/operator extension: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALTEC INDUSTRIES, INC. (Continued)**

**1024877197**

Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 2018-09-04 00:00:00.  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Hazardous Waste Summary:

. Waste code: 214  
. Waste name: Unspecified solvent mixture

. Waste code: 221  
. Waste name: Waste oil and mixed oil

. Waste code: 223  
. Waste name: Unspecified oil-containing waste

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: F003  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ALTEC INDUSTRIES, INC. (Continued)**

**1024877197**

ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

**F23  
NW  
1/8-1/4  
0.142 mi.  
751 ft.**

**EXXON USA (MILK FARM)  
6618 MILK FARM RD  
DIXON, CA 95620  
Site 1 of 3 in cluster F**

**LUST S100179210  
SWEEPS UST N/A  
Cortese  
HIST CORTESE  
Notify 65  
CERS**

**Relative:  
Higher**

**Actual:  
68 ft.**

**SOLANO CO. LUST:**

Name: EXXON STATION (MILK FARM)  
Address: 6618 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Region: SOLANO  
Facility ID: 80010  
Facility Status: I  
Facility Status Desc: Inactive  
Facility Phone: Not reported  
Program: 29S  
Inventory Number: 1  
Inventory Type: LOP - Closed Site (128)  
Inventory Description: Not reported  
Last service/permit exp: SITE VISITS  
Last service date: 02/14/2013  
District: SUP-DIST NO 3037  
Inspector: Kaltreider, Misty  
Call Back: Not reported

**LUST REG 5:**

Name: FORMER EXXON  
Address: 6618 MILK FARM RD  
City: DIXON  
Region: 5  
Status: Case Closed  
Case Number: 480100  
Case Type: Drinking Water Aquifer affected  
Substance: GASOLINE  
Staff Initials: JIM  
Lead Agency: Local  
Program: LUST  
MTBE Code: 3

**LUST:**

Name: FORMER EXXON  
Address: 6618 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Lead Agency: SOLANO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500358](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500358)  
Global Id: T0609500358  
Latitude: 38.47564  
Longitude: -121.821126  
Status: Completed - Case Closed  
Status Date: 05/08/2000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON USA (MILK FARM) (Continued)**

**S100179210**

Case Worker: Not reported  
RB Case Number: 480100  
Local Agency: SOLANO COUNTY  
File Location: Not reported  
Local Case Number: 80010  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Gasoline  
Site History: Not reported

LUST:

Global Id: T0609500358  
Contact Type: Local Agency Caseworker  
Contact Name: SOLANO COUNTY  
Organization Name: SOLANO COUNTY  
Address: 675 TEXAS STREET, SUITE 2500  
City: FAIRFIELD  
Email: Not reported  
Phone Number: Not reported

LUST:

Global Id: T0609500358  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Discovery

Global Id: T0609500358  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Stopped

Global Id: T0609500358  
Action Type: Other  
Date: 08/10/1989  
Action: Leak Reported

Global Id: T0609500358  
Action Type: ENFORCEMENT  
Date: 04/10/2001  
Action: Closure/No Further Action Letter

LUST:

Global Id: T0609500358  
Status: Open - Case Begin Date  
Status Date: 05/23/1989

Global Id: T0609500358  
Status: Open - Site Assessment  
Status Date: 01/08/1991

Global Id: T0609500358  
Status: Open - Site Assessment  
Status Date: 06/07/1994

Global Id: T0609500358  
Status: Completed - Case Closed  
Status Date: 05/08/2000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON USA (MILK FARM) (Continued)**

**S100179210**

**SWEEPS UST:**

Name: EXXON USA (MILK FARM)  
Address: 6618 MILK FARM RD  
City: DIXON  
Status: Not reported  
Comp Number: 80010  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: Not reported  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: 0

**CORTESE:**

Name: FORMER EXXON  
Address: 6618 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0609500358  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**HIST CORTESE:**

edr\_fname: FORMER EXXON  
edr\_fadd1: 6618 MILK FARM  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LTNKA  
Reg Id: 480100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXXON USA (MILK FARM) (Continued)**

**S100179210**

**NOTIFY 65:**

Name: ABANDONED EXXON STATION  
Address: 6618 MILK FARM  
City,State,Zip: DIXON, CA 94080  
Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

**CERS:**

Name: FORMER EXXON  
Address: 6618 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 221249  
CERS ID: T0609500358  
CERS Description: Leaking Underground Storage Tank Cleanup Site

**Affiliation:**

Affiliation Type Desc: Local Agency Caseworker  
Entity Name: SOLANO COUNTY - SOLANO COUNTY  
Entity Title: Not reported  
Affiliation Address: 675 TEXAS STREET, SUITE 2500  
Affiliation City: FAIRFIELD  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

**F24  
WNW  
1/8-1/4  
0.152 mi.  
802 ft.**

**TEXACO STATION/MILK FARM  
6615 MILK FARM RD  
DIXON, CA 95620**

**Site 2 of 3 in cluster F**

**LUST S100179213  
SWEEPS UST N/A  
Cortese  
HIST CORTESE  
Notify 65  
CERS**

**Relative:  
Higher**

**SOLANO CO. LUST:**

**Actual:  
68 ft.**

Name: TEXACO STATION  
Address: 6615 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Region: SOLANO  
Facility ID: 80060  
Facility Status: I  
Facility Status Desc: Inactive  
Facility Phone: Not reported  
Program: 29S  
Inventory Number: 1  
Inventory Type: LOP - Closed Site (128)  
Inventory Description: Ref Date = 5/6/2014  
Last service/permit exp: ISSUANCE OF A CLOSURE DOCUMENT \* Missing \*  
Last service date: 05/05/2014  
District: SUP-DIST NO 3037  
Inspector: Kaltreider, Misty  
Call Back: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION/MILK FARM (Continued)**

**S100179213**

LUST REG 5:

Name: FORMER TEXACO  
Address: 6615 MILK FARM RD  
City: DIXON  
Region: 5  
Status: Post remedial action monitoring  
Case Number: 480102  
Case Type: Drinking Water Aquifer affected  
Substance: DIESEL  
Staff Initials: JIM  
Lead Agency: Local  
Program: LUST  
MTBE Code: 1

LUST:

Name: FORMER TEXACO  
Address: 6615 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Lead Agency: SOLANO COUNTY LOP  
Case Type: LUST Cleanup Site  
Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500360](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500360)  
Global Id: T0609500360  
Latitude: 38.4757788664802  
Longitude: -121.821813583374  
Status: Completed - Case Closed  
Status Date: 05/06/2014  
Case Worker: Not reported  
RB Case Number: 480102  
Local Agency: SOLANO COUNTY  
File Location: Local Agency  
Local Case Number: 80060  
Potential Media Affect: Aquifer used for drinking water supply  
Potential Contaminants of Concern: Benzene, Toluene, Xylene, Diesel, Gasoline  
Site History: See site documents for historical information. The SWRCB Cleanup Fund includes this site and the site located at 6646 Milk Farm Road as one case.

LUST:

Global Id: T0609500360  
Contact Type: Local Agency Caseworker  
Contact Name: SOLANO COUNTY  
Organization Name: SOLANO COUNTY  
Address: 675 TEXAS STREET, SUITE 2500  
City: FAIRFIELD  
Email: Not reported  
Phone Number: Not reported

LUST:

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 10/15/2007  
Action: Meeting  
  
Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 06/17/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION/MILK FARM (Continued)**

**S100179213**

Action: Warning Letter

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 10/05/2010  
Action: Verbal Enforcement

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 11/30/2010  
Action: Soil and Water Investigation Workplan

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 10/15/2010  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 05/11/2000  
Action: Correspondence

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 08/03/2010  
Action: Monitoring Report - Other

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 05/02/2014  
Action: Site Assessment Report

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 11/13/1990  
Action: Preliminary Site Assessment Report

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 04/30/2001  
Action: Monitoring Report - Quarterly

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 05/08/2001  
Action: Monitoring Report - Quarterly

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 03/16/1995  
Action: Other Report / Document

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 08/29/1997  
Action: Well Installation Report

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION/MILK FARM (Continued)**

**S100179213**

Global Id:	T0609500360
Action Type:	RESPONSE
Date:	01/06/1995
Action:	Other Report / Document
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	04/14/1998
Action:	Correspondence
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	03/12/1990
Action:	Correspondence
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	11/29/1989
Action:	Correspondence
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	10/20/2004
Action:	Other Report / Document
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	01/27/2000
Action:	Correspondence
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	07/20/1998
Action:	Correspondence
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	06/20/1990
Action:	Interim Remedial Action Report
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	03/16/1994
Action:	Correspondence
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	07/23/1992
Action:	Other Report / Document
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	02/17/2012
Action:	Monitoring Report - Quarterly
Global Id:	T0609500360
Action Type:	ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION/MILK FARM (Continued)**

**S100179213**

Date: 03/09/2007  
Action: Verbal Communication

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 05/19/2009  
Action: Staff Letter

Global Id: T0609500360  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Discovery

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 06/28/2011  
Action: Verbal Communication

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 06/20/2011  
Action: Verbal Communication

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 04/18/2012  
Action: Warning Letter

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 02/20/2013  
Action: LOP Case Closure Summary to RB

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 12/20/2002  
Action: File review

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 09/30/2004  
Action: File review

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 03/02/2004  
Action: 13267 Monitoring Program

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 03/05/2013  
Action: Staff Letter

Global Id: T0609500360  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Stopped

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION/MILK FARM (Continued)**

**S100179213**

Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	10/28/2010
Action:	Staff Letter
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	09/26/2012
Action:	Notice to Comply
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	08/17/2012
Action:	Notice to Comply
Global Id:	T0609500360
Action Type:	RESPONSE
Date:	11/01/2012
Action:	Site Assessment Report
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	11/05/2013
Action:	Warning Letter
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	09/13/2013
Action:	Verbal Enforcement
Global Id:	T0609500360
Action Type:	Other
Date:	08/10/1989
Action:	Leak Reported
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	05/19/2009
Action:	Notice of Reimbursement
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	06/30/2009
Action:	Staff Letter
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	01/30/2014
Action:	Verbal Enforcement
Global Id:	T0609500360
Action Type:	ENFORCEMENT
Date:	02/28/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0609500360
Action Type:	ENFORCEMENT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION/MILK FARM (Continued)**

**S100179213**

Date: 09/30/2002  
Action: File review

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 11/30/2009  
Action: Notice of Responsibility

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 01/25/2010  
Action: Staff Letter

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 01/20/2010  
Action: Correspondence

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 08/30/2008  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 10/20/2004  
Action: \* Historical Enforcement

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 03/03/2005  
Action: File review

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 04/08/2008  
Action: Monitoring Report - Quarterly

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 07/12/2004  
Action: File review

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 06/21/2011  
Action: Meeting

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 12/02/2010  
Action: Staff Letter

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 05/06/2014  
Action: Closure/No Further Action Letter

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION/MILK FARM (Continued)**

**S100179213**

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 12/14/2010  
Action: Staff Letter

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 01/24/2012  
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0609500360  
Action Type: ENFORCEMENT  
Date: 03/12/2012  
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 06/05/2006  
Action: Monitoring Report - Quarterly

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 06/17/2011  
Action: Other Report / Document

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 12/23/1997  
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 03/19/1991  
Action: Preliminary Site Assessment Report

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 03/02/2004  
Action: Monitoring Report - Quarterly

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 03/31/1998  
Action: Final Remedial Action Report / Corrective Action Report

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 11/13/1990  
Action: Preliminary Site Assessment Report

Global Id: T0609500360  
Action Type: RESPONSE  
Date: 09/20/2000  
Action: Monitoring Report - Semi-Annually

Global Id: T0609500360  
Action Type: RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION/MILK FARM (Continued)**

**S100179213**

Date: 07/13/1989  
Action: Tank Removal Report / UST Sampling Report

**LUST:**

Global Id: T0609500360  
Status: Open - Case Begin Date  
Status Date: 05/23/1989

Global Id: T0609500360  
Status: Open - Site Assessment  
Status Date: 01/08/1991

Global Id: T0609500360  
Status: Open - Site Assessment  
Status Date: 06/07/1994

Global Id: T0609500360  
Status: Open - Remediation  
Status Date: 08/31/2004

Global Id: T0609500360  
Status: Open - Verification Monitoring  
Status Date: 12/06/2007

Global Id: T0609500360  
Status: Open - Eligible for Closure  
Status Date: 03/01/2013

Global Id: T0609500360  
Status: Completed - Case Closed  
Status Date: 05/06/2014

Global Id: T0609500360  
Status: Completed - Case Closed  
Status Date: 05/06/2014

Global Id: T0609500360  
Status: Open - Eligible for Closure  
Status Date: 05/06/2014

**SWEEPS UST:**

Name: TEXACO STATION/MILK FARM  
Address: 6615 MILK FARM RD  
City: DIXON  
Status: Not reported  
Comp Number: 80060  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: Not reported  
Tank Status: Not reported  
Capacity: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TEXACO STATION/MILK FARM (Continued)**

**S100179213**

Active Date: Not reported  
Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: 0

**CORTESE:**

Name: FORMER TEXACO  
Address: 6615 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0609500360  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**HIST CORTESE:**

edr\_fname: FORMER TEXACO  
edr\_fadd1: 6615 MILK FARM  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LTNKA  
Reg Id: 480102

**NOTIFY 65:**

Name: TEXACO STATION  
Address: 6615 MILK FARM  
City,State,Zip: DIXON, CA 94080  
Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

**CERS:**

Name: FORMER TEXACO

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**TEXACO STATION/MILK FARM (Continued)**

**S100179213**

Address: 6615 MILK FARM RD  
 City,State,Zip: DIXON, CA 95620  
 Site ID: 233113  
 CERS ID: T0609500360  
 CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:  
 Affiliation Type Desc: Local Agency Caseworker  
 Entity Name: SOLANO COUNTY - SOLANO COUNTY  
 Entity Title: Not reported  
 Affiliation Address: 675 TEXAS STREET, SUITE 2500  
 Affiliation City: FAIRFIELD  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: Not reported  
 Affiliation Phone: Not reported

**F25**  
**WNW**  
**1/8-1/4**  
**0.165 mi.**  
**869 ft.**

**MILK FARM GROUP LIMITED**  
**MILK FARM ROAD**  
**DIXON, CA 95620**  
**Site 3 of 3 in cluster F**

**HIST UST**    **U001612699**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**68 ft.**

HIST UST:  
 Name: MILK FARM GROUP LIMITED  
 Address: MILK FARM ROAD  
 City,State,Zip: DIXON, CA 95620  
 File Number: 0002F7B6  
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002F7B6.pdf>  
 Region: STATE  
 Facility ID: 00000048675  
 Facility Type: Other  
 Other Type: MILK FARM  
 Contact Name: ED PUCCINELLI  
 Telephone: 4157715335  
 Owner Name: MILK FARM GROUP LIMITED  
 Owner Address: 507 POLK STREET % MELVIN SCHIL  
 Owner City,St,Zip: SAN FRANCISCO, CA 94102  
 Total Tanks: 0002

Tank Num: 001  
 Container Num: 2  
 Year Installed: Not reported  
 Tank Capacity: 00010000  
 Tank Used for: PRODUCT  
 Type of Fuel: 06  
 Container Construction Thickness: Not reported  
 Leak Detection: Stock Inventor

Tank Num: 002  
 Container Num: 1  
 Year Installed: Not reported  
 Tank Capacity: 00010000  
 Tank Used for: PRODUCT  
 Type of Fuel: 06  
 Container Construction Thickness: Not reported  
 Leak Detection: Stock Inventor

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MILK FARM GROUP LIMITED (Continued)**

**U001612699**

[Click here for Geo Tracker PDF:](#)

**26**  
**WNW**  
**1/8-1/4**  
**0.236 mi.**  
**1246 ft.**

**IKE'S LANDSCAPING**  
**6647 MILK FARM**  
**DIXON, CA 94080**

**Notify 65** **S100225687**  
**N/A**

**Relative:**  
**Higher**  
**Actual:**  
**68 ft.**

NOTIFY 65:  
Name: IKE'S LANDSCAPING  
Address: 6647 MILK FARM  
City,State,Zip: DIXON, CA 94080  
Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

**27**  
**SSW**  
**1/8-1/4**  
**0.236 mi.**  
**1248 ft.**

**CARDINAL HEALTH**  
**700 VAUGHN RD**  
**DIXON, CA 95620**

**AST** **S113110524**  
**CERS HAZ WASTE** **N/A**  
**CERS TANKS**  
**HAZNET**  
**CERS**  
**HWTS**

**Relative:**  
**Higher**  
**Actual:**  
**63 ft.**

AST:  
Name: CARDINAL HEALTH  
Address: 700 VAUGHN RD  
City/Zip: DIXON,95620  
Certified Unified Program Agencies: Not reported  
Owner: Cardinal Health  
Total Gallons: Not reported  
CERSID: 10406176  
Facility ID: 48-000-060386  
Business Name: Cardinal Health, LLC  
Phone: 530-406-3636  
Fax: Not reported  
Mailing Address: 700 Vaughn Rd  
Mailing Address City: Dixon  
Mailing Address State: CA  
Mailing Address Zip Code: 95620  
Operator Name: Shane Fleischacker  
Operator Phone: 530-406-3600  
Owner Phone: 614-757-5000  
Owner Mail Address: 7000 Cardinal Place  
Owner State: OH  
Owner Zip Code: 43017  
Owner Country: United States  
Property Owner Name: Cardinal Health  
Property Owner Phone: 614-757-5000  
Property Owner Mailing Address: 7000 Cardinal Place  
Property Owner City: Dublin  
Property Owner Stat : OH  
Property Owner Zip Code: 43017

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Property Owner Country: United States  
EPAID: CAL000219377

**CERS HAZ WASTE:**

Name: CARDINAL HEALTH  
Address: 700 VAUGHN RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 389355  
CERS ID: 10406176  
CERS Description: Hazardous Chemical Management

Name: CARDINAL HEALTH  
Address: 700 VAUGHN RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 389355  
CERS ID: 10406176  
CERS Description: Hazardous Waste Generator

**CERS TANKS:**

Name: CARDINAL HEALTH  
Address: 700 VAUGHN RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 389355  
CERS ID: 10406176  
CERS Description: Aboveground Petroleum Storage

**HAZNET:**

Name: CARDINAL HEALTH  
Address: 700 VAUGHN RD  
Address 2: Not reported  
City,State,Zip: DIXON, CA 956209226  
Contact: SHANE FLEISCHACKER  
Telephone: 5304063624  
Mailing Name: Not reported  
Mailing Address: 700 VAUGHN RD

Year: 2017  
Gepaid: CAL000219377  
TSD EPA ID: NVD980895338  
CA Waste Code: 352 - Other organic solids  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 0.353

Year: 2017  
Gepaid: CAL000219377  
TSD EPA ID: NVD980895338  
CA Waste Code: 343 - Unspecified organic liquid mixture  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 1.484

Year: 2017  
Gepaid: CAL000219377  
TSD EPA ID: NVD980895338  
CA Waste Code: 331 - Off-specification, aged or surplus organics

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2945
Year:	2017
Gepaid:	CAL000219377
TSD EPA ID:	NVD980895338
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2265
Year:	2017
Gepaid:	CAL000219377
TSD EPA ID:	NVD980895338
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.7705
Year:	2016
Gepaid:	CAL000219377
TSD EPA ID:	NVD980895338
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H121 - Neutralization Only
Tons:	0.164
Year:	2016
Gepaid:	CAL000219377
TSD EPA ID:	NVD980895338
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.689
Year:	2016
Gepaid:	CAL000219377
TSD EPA ID:	NVD980895338
CA Waste Code:	561 - Detergent waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	2.3865
Year:	2016
Gepaid:	CAL000219377
TSD EPA ID:	NVD980895338
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.5495
Year:	2016
Gepaid:	CAL000219377
TSD EPA ID:	NVD980895338
CA Waste Code:	311 - Pharmaceutical waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Tons: 1.2245

[Click this hyperlink](#) while viewing on your computer to access 107 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year: 2007  
Gen EPA ID: CAL000219377

Shipment Date: 20071203  
Creation Date: 3/5/2008 18:30:27  
Receipt Date: 20071210  
Manifest ID: 003303362JJK  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENV SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.125  
Waste Quantity: 250  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20071203  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 003303362JJK  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENV SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0875  
Waste Quantity: 175  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071203
Creation Date:	3/5/2008 18:30:27
Receipt Date:	20071210
Manifest ID:	003303362JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071203
Creation Date:	3/5/2008 18:30:27
Receipt Date:	20071210
Manifest ID:	003303362JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071203
Creation Date:	3/4/2008 18:30:41
Receipt Date:	20071210
Manifest ID:	003303773JJK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENV SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 343 - Unspecified organic liquid mixture  
RCRA Code: U154  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.0075  
Waste Quantity: 15  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20071203  
Creation Date: 3/4/2008 18:30:41  
Receipt Date: 20071210  
Manifest ID: 003303773JJK  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENV SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 343 - Unspecified organic liquid mixture  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.025  
Waste Quantity: 50  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20071203  
Creation Date: 3/4/2008 18:30:41  
Receipt Date: 20071210  
Manifest ID: 003303773JJK  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENV SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

TSDF Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071203
Creation Date:	3/5/2008 18:30:27
Receipt Date:	20071210
Manifest ID:	003303362JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	003303362JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.335
Waste Quantity:	670

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071203
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	003303362JJK
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2006
Gen EPA ID:	CAL000219377
Shipment Date:	20061220
Creation Date:	7/25/2008 18:30:08
Receipt Date:	20070105
Manifest ID:	000359016FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	UTD988074712
Trans 2 Name:	TW CO
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.105
Waste Quantity:	210
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061220
Creation Date:	7/25/2008 18:30:08
Receipt Date:	20070105
Manifest ID:	000359016FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	UTD988074712
Trans 2 Name:	TW CO
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061220
Creation Date:	7/25/2008 18:30:08
Receipt Date:	20070105
Manifest ID:	000359016FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	UTD988074712
Trans 2 Name:	TW CO
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061220
Creation Date:	7/25/2008 18:30:08
Receipt Date:	20070105
Manifest ID:	000359016FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans 2 EPA ID: UTD988074712  
Trans 2 Name: TW CO  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.12  
Waste Quantity: 240  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20060919  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000388516FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENV SERVICES INC  
Trans 2 EPA ID: UTD988074712  
Trans 2 Name: TW COMPANY  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 135 - Unspecified aqueous solution  
RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.02  
Waste Quantity: 40  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20060919  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000388516FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENV SERVICES INC  
Trans 2 EPA ID: UTD988074712  
Trans 2 Name: TW COMPANY  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060919
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000388516FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	UTD988074712
Trans 2 Name:	TW COMPANY
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060919
Creation Date:	5/6/2008 18:30:08
Receipt Date:	20060928
Manifest ID:	000388516FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	UTD988074712
Trans 2 Name:	TW COMPANY
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Shipment Date: 20060919  
Creation Date: 5/6/2008 18:30:08  
Receipt Date: 20060928  
Manifest ID: 000388516FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENV SERVICES INC  
Trans 2 EPA ID: UTD988074712  
Trans 2 Name: TW COMPANY  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20060919  
Creation Date: 5/6/2008 18:30:08  
Receipt Date: 20060928  
Manifest ID: 000388516FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENV SERVICES INC  
Trans 2 EPA ID: UTD988074712  
Trans 2 Name: TW COMPANY  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:  
Year: 2001  
Gen EPA ID: CAL000219377

Shipment Date: 20010904  
Creation Date: 10/23/2001 0:00:00  
Receipt Date: Not reported  
Manifest ID: 20939847  
Trans EPA ID: CAD044003556

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAT080033681  
Trans Name: Not reported  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Disposal Method: - Not reported  
Quantity Tons: 0.025  
Waste Quantity: 50  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2004  
Gen EPA ID: CAL000219377

Shipment Date: Not reported  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 23310413  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: CAT000624247  
Trans 2 Name: MP ENVIRONMENTAL SERVICES  
TSDf EPA ID: CAT080014079  
Trans Name: ONYX ENVIRONMENTAL SERVICES LLC  
TSDf Alt EPA ID: CAT080014079  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H01 - Transfer Station  
Quantity Tons: 0.185  
Waste Quantity: 370  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: Not reported  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 23310413  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: CAT000624247  
Trans 2 Name: MP ENVIRONMENTAL SERVICES  
TSDf EPA ID: CAT080014079  
Trans Name: ONYX ENVIRONMENTAL SERVICES LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

TSDF Alt EPA ID: CAT080014079  
TSDF Alt Name: Not reported  
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics  
RCRA Code: D002  
Disposal Method: H01 - Transfer Station  
Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: Not reported  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 23310413  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: CAT000624247  
Trans 2 Name: MP ENVIRONMENTAL SERVICES  
TSDF EPA ID: CAT080014079  
Trans Name: ONYX ENVIRONMENTAL SERVICES LLC  
TSDF Alt EPA ID: CAT080014079  
TSDF Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H01 - Transfer Station  
Quantity Tons: 0.09  
Waste Quantity: 180  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: Not reported  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 23310413  
Trans EPA ID: NJD080631369  
Trans Name: ONYX ENVIRONMENTAL SVCS LLC  
Trans 2 EPA ID: CAT000624247  
Trans 2 Name: MP ENVIRONMENTAL SERVICES  
TSDF EPA ID: CAT080014079  
Trans Name: ONYX ENVIRONMENTAL SERVICES LLC  
TSDF Alt EPA ID: CAT080014079  
TSDF Alt Name: Not reported  
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics  
RCRA Code: D002  
Disposal Method: H01 - Transfer Station  
Quantity Tons: 0.03  
Waste Quantity: 60  
Quantity Unit: P  
Additional Code 1: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	23310413
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	MP ENVIRONMENTAL SERVICES
TSDf EPA ID:	CAT080014079
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAT080014079
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	23310413
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	MP ENVIRONMENTAL SERVICES
TSDf EPA ID:	CAT080014079
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAT080014079
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	23310413

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	MP ENVIRONMENTAL SERVICES
TSDf EPA ID:	CAT080014079
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAT080014079
TSDf Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	23310413
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	MP ENVIRONMENTAL SERVICES
TSDf EPA ID:	CAT080014079
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAT080014079
TSDf Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D009
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	23310413
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	MP ENVIRONMENTAL SERVICES
TSDf EPA ID:	CAT080014079
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAT080014079
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

RCRA Code:	P042
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	23310413
Trans EPA ID:	NJD080631369
Trans Name:	ONYX ENVIRONMENTAL SVCS LLC
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	MP ENVIRONMENTAL SERVICES
TSDf EPA ID:	CAT080014079
Trans Name:	ONYX ENVIRONMENTAL SERVICES LLC
TSDf Alt EPA ID:	CAT080014079
TSDf Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2002
Gen EPA ID:	CAL000219377
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21980737
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5)
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20934286
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	172 - Metal dust (see 121) and machining waste
RCRA Code:	D009
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21980737
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Manifest ID:	20934286
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.1425
Waste Quantity:	285
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20934286
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0495
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21980737
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21980737
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21863517
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21863517
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21863517
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0525
Waste Quantity:	105
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2014
Gen EPA ID:	CAL000219377
Shipment Date:	20141219
Creation Date:	7/1/2015 14:04:54

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Receipt Date: 20150102  
Manifest ID: 000111342DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: U122  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.096  
Waste Quantity: 192  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20141219  
Creation Date: 7/1/2015 14:04:54  
Receipt Date: 20150102  
Manifest ID: 000111342DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 311 - Pharmaceutical waste  
RCRA Code: D002  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.127  
Waste Quantity: 254  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: 561  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20141219  
Creation Date: 7/1/2015 14:04:54  
Receipt Date: 20150102  
Manifest ID: 000111342DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVD980895338



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
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**CARDINAL HEALTH (Continued)**

**S113110524**

Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 221 - Waste oil and mixed oil  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.5245  
Waste Quantity: 1049  
Quantity Unit: P  
Additional Code 1: 221  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20141219  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000111342DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: - Not reported  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.02  
Waste Quantity: 40  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20141219  
Creation Date: 7/1/2015 14:04:54  
Receipt Date: 20150102  
Manifest ID: 000111342DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 311 - Pharmaceutical waste  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID  
Direction  
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MAP FINDINGS

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Database(s)

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**CARDINAL HEALTH (Continued)**

**S113110524**

Quantity Tons:	0.088
Waste Quantity:	176
Quantity Unit:	P
Additional Code 1:	311
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141106
Creation Date:	3/31/2015 22:15:12
Receipt Date:	20141114
Manifest ID:	000110813DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1025
Waste Quantity:	205
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141106
Creation Date:	3/31/2015 22:15:12
Receipt Date:	20141114
Manifest ID:	000110813DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.051
Waste Quantity:	102
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 5:	Not reported
Shipment Date:	20141106
Creation Date:	3/31/2015 22:15:12
Receipt Date:	20141114
Manifest ID:	000110813DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	U002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.064
Waste Quantity:	128
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141106
Creation Date:	3/31/2015 22:15:12
Receipt Date:	20141114
Manifest ID:	000110813DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.6195
Waste Quantity:	1239
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141106
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000110813DAT
Trans EPA ID:	CAR000210617

Map ID  
Direction  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0465
Waste Quantity:	93
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2012
Gen EPA ID:	CAL000219377
Shipment Date:	20120928
Creation Date:	1/12/2013 22:15:35
Receipt Date:	20120928
Manifest ID:	005544171FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.068
Waste Quantity:	136
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120928
Creation Date:	4/3/2013 22:15:15
Receipt Date:	20121008
Manifest ID:	005544170FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVC

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
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**CARDINAL HEALTH (Continued)**

**S113110524**

TSDF EPA ID: NED981723513  
Trans Name: CLEAN HARBORS ENV SERVICES INC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
CA Waste Code: 352 - Other organic solids  
RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.015  
Waste Quantity: 30  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20120928  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 005544171FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.118  
Waste Quantity: 236  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20120928  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 005544171FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120928
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005544168FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVCS
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120928
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	005544168FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVCS
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.042
Waste Quantity:	84
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Shipment Date: 20120928  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 005544168FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENV SVCS  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.1715  
Waste Quantity: 343  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20120928  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 005544168FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENV SVCS  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.0975  
Waste Quantity: 195  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20120928  
Creation Date: 1/12/2013 22:15:35  
Receipt Date: 20120928  
Manifest ID: 005544171FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD059494310

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120928
Creation Date:	4/3/2013 22:15:07
Receipt Date:	20121008
Manifest ID:	005544169FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SVCS
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.1145
Waste Quantity:	229
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2010
Gen EPA ID:	CAL000219377
Shipment Date:	20101020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000065235MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture



Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000065235MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.225
Waste Quantity:	2450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000065235MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0725
Waste Quantity:	145
Quantity Unit:	P
Additional Code 1:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000065235MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.051
Waste Quantity:	102
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000065235MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0885
Waste Quantity:	177
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101020
Creation Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Receipt Date:	Not reported
Manifest ID:	000065235MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	D002
Disposal Method:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.105
Waste Quantity:	210
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000065235MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101020
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000065235MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	CAD059494310

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
CA Waste Code: 343 - Unspecified organic liquid mixture  
RCRA Code: D001  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.008  
Waste Quantity: 16  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20101020  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000065235MWI  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
TSDF EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.004  
Waste Quantity: 8  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20101020  
Creation Date: 1/3/2011 18:31:17  
Receipt Date: 20101027  
Manifest ID: 000065235MWI  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
TSDF EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
CA Waste Code: 343 - Unspecified organic liquid mixture  
RCRA Code: D001  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2003  
Gen EPA ID: CAL000219377

Shipment Date: Not reported  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 20590660  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDF EPA ID: CAT080014079  
Trans Name: Not reported  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D009  
Disposal Method: H01 - Transfer Station  
Quantity Tons: 0.008  
Waste Quantity: 16  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: Not reported  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 21574236  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: CAT000624247  
Trans 2 Name: Not reported  
TSDF EPA ID: CAT080014079  
Trans Name: Not reported  
TSDF Alt EPA ID: CAT080014079  
TSDF Alt Name: Not reported  
CA Waste Code: 141 - Off-specification, aged, or surplus inorganics  
RCRA Code: Not reported  
Disposal Method: H01 - Transfer Station  
Quantity Tons: 0.005  
Waste Quantity: 10  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20590660
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20590660
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080014079
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20590660
Trans EPA ID:	NJD080631369

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20590660
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	Not reported
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21574236
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	Not reported
TSDf Alt EPA ID:	CAT080014079
TSDf Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21574236
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	Not reported
TSDf Alt EPA ID:	CAT080014079
TSDf Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	21574236
Trans EPA ID:	NJD080631369
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDf EPA ID:	CAT080014079
Trans Name:	Not reported
TSDf Alt EPA ID:	CAT080014079
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Shipment Date: Not reported  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 21574236  
Trans EPA ID: NJD080631369  
Trans Name: Not reported  
Trans 2 EPA ID: CAT000624247  
Trans 2 Name: Not reported  
TSDf EPA ID: CAT080014079  
Trans Name: Not reported  
TSDf Alt EPA ID: CAT080014079  
TSDf Alt Name: Not reported  
CA Waste Code: 181 - Other inorganic solid waste Organics  
RCRA Code: Not reported  
Disposal Method: H01 - Transfer Station  
Quantity Tons: 0.05  
Waste Quantity: 100  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2009  
Gen EPA ID: CAL000219377

Shipment Date: 20091218  
Creation Date: 3/5/2010 18:31:23  
Receipt Date: 20100105  
Manifest ID: 000024030MWI  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: U122  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: F003  
Additional Code 2: D001  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20091028  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000006369MWI

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INC
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091028
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000006369MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INC
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091028
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000006369MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INC
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.3  
Waste Quantity: 600  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20091028  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000006369MWI  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: CAR000179382  
Trans 2 Name: ENV ENVIRONMENTAL INC  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20091028  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000006369MWI  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: CAR000179382  
Trans 2 Name: ENV ENVIRONMENTAL INC  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D002  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.045  
Waste Quantity: 90  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 5:	Not reported
Shipment Date:	20091028
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000006369MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INC
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091028
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000006369MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382
Trans 2 Name:	ENV ENVIRONMENTAL INC
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091028
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000006369MWI
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAR000179382

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans 2 Name: ENV ENVIRONMENTAL INC  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20091028  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000006369MWI  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: CAR000179382  
Trans 2 Name: ENV ENVIRONMENTAL INC  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.1  
Waste Quantity: 200  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:  
Year: 2013  
Gen EPA ID: CAL000219377

Shipment Date: 20130913  
Creation Date: 1/28/2014 22:15:31  
Receipt Date: 20130930  
Manifest ID: 000078505DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: NVD980895338  
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

CA Waste Code: 122 - Alkaline solution without metals (pH > 12.5)  
RCRA Code: D002  
Disposal Method: H121 - Neutralization Only  
Quantity Tons: 0.0265  
Waste Quantity: 53  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20130913  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000078508DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD980884183  
Trans Name: GENERAL ENVIRONMENTAL MGT LLC DBA PSC ENVIRONMENTAL SERVICES  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: - Not reported  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.002  
Waste Quantity: 4  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20130913  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000078505DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: NVD980895338  
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: - Not reported  
RCRA Code: D001  
Disposal Method: H071 - Chemical Reduction With Or Without Precipitation  
Quantity Tons: 0.1325  
Waste Quantity: 265  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000078505DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVD980895338
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	561 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4255
Waste Quantity:	851
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000078505DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVD980895338
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.188
Waste Quantity:	376
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	Not reported
Receipt Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Manifest ID: 000078505DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: NVD980895338  
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.0375  
Waste Quantity: 75  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20130913  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000078505DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: NVD980895338  
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 343 - Unspecified organic liquid mixture  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.146  
Waste Quantity: 292  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20130913  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000078505DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: NVD980895338  
Trans 2 Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.016
Waste Quantity:	32
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000078505DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVD980895338
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1065
Waste Quantity:	213
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130913
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000078505DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVD980895338
Trans 2 Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0295

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Waste Quantity: 59  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2016  
Gen EPA ID: CAL000219377

Shipment Date: 20150819  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000105084DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: TXR000025072  
Trans 2 Name: ROCKETLINE CARRIER SERVICE  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: - Not reported  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0525  
Waste Quantity: 105  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20150819  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 000105084DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: TXR000025072  
Trans 2 Name: ROCKETLINE CARRIER SERVICE  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: - Not reported  
RCRA Code: Not reported  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0575  
Waste Quantity: 115  
Quantity Unit: P  
Additional Code 1: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0595
Waste Quantity:	119
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	1/20/2016 22:15:50
Receipt Date:	20150826
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	D001
Disposal Method:	H070 - Not reported
Quantity Tons:	0.0295
Waste Quantity:	59
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	1/20/2016 22:15:50
Receipt Date:	20150826

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Manifest ID: 000105084DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: TXR000025072  
Trans 2 Name: ROCKETLINE CARRIER SERVICE  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: U122  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.143  
Waste Quantity: 286  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
Shipment Date: 20150819  
Creation Date: 1/20/2016 22:15:50  
Receipt Date: 20150826  
Manifest ID: 000105084DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: TXR000025072  
Trans 2 Name: ROCKETLINE CARRIER SERVICE  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: - Not reported  
RCRA Code: U002  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Recovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.101  
Waste Quantity: 202  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
Shipment Date: 20150819  
Creation Date: 1/20/2016 22:15:50  
Receipt Date: 20150826  
Manifest ID: 000105084DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: TXR000025072  
Trans 2 Name: ROCKETLINE CARRIER SERVICE  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.052
Waste Quantity:	104
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.041

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Waste Quantity: 82  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20150722  
Creation Date: 2/8/2016 22:17:41  
Receipt Date: 20150731  
Manifest ID: 000118707DAT  
Trans EPA ID: CAR000210617  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP  
Trans 2 EPA ID: NVR000089375  
Trans 2 Name: DOUBLE BARREL ENVIRONMENTAL SERVICES  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 311 - Pharmaceutical waste  
RCRA Code: D001  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.038  
Waste Quantity: 76  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:  
Year: 2011  
Gen EPA ID: CAL000219377

Shipment Date: 20111214  
Creation Date: 12/3/2012 22:16:24  
Receipt Date: 20120105  
Manifest ID: 004828477FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.035  
Waste Quantity: 70  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111214
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120105
Manifest ID:	004828477FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111214
Creation Date:	12/3/2012 22:16:24
Receipt Date:	20120105
Manifest ID:	004828477FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111214
Creation Date:	7/19/2012 22:00:24
Receipt Date:	20111221
Manifest ID:	004828478FLE
Trans EPA ID:	MAD039322250

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.085
Waste Quantity:	170
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111214
Creation Date:	7/19/2012 22:00:24
Receipt Date:	20111221
Manifest ID:	004828478FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111212
Creation Date:	5/4/2013 22:16:13
Receipt Date:	20111215
Manifest ID:	004844808FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENV SERVICES
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

CA Waste Code:	322 - Biological waste other than sewage sludge
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.1425
Waste Quantity:	285
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111031
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004902222FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0035
Waste Quantity:	7
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111031
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004902222FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P
Additional Code 1:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111031
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004902222FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111031
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004902222FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Gen EPA ID:	CAL000219377
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	24418788
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	CAD059494310
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.106
Waste Quantity:	212
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	24418788
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	CAD059494310
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	1.088
Waste Quantity:	2176
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	24418788
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported

Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	CAD059494310
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	NONE
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.177
Waste Quantity:	354
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	24418788
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	CAD059494310
TSDF Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.086
Waste Quantity:	172
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	24418788
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDF Alt EPA ID:	CAD059494310
TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	NONE
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.417

Map ID  
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Database(s)

EDR ID Number  
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**CARDINAL HEALTH (Continued)**

**S113110524**

Waste Quantity:	834
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	24418788
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	CAD059494310
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	NONE
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.2745
Waste Quantity:	549
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	24418788
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	CAD059494310
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	NONE
Disposal Method:	H01 - Transfer Station
Quantity Tons:	0.322
Waste Quantity:	644
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051223

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Creation Date:	6/7/2006 8:40:55
Receipt Date:	Not reported
Manifest ID:	24685680
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	UPD981552177
Trans Name:	CLEAN HARBORS ARAGONITE
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Disposal Method:	- Not reported
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050928
Creation Date:	6/7/2006 8:40:17
Receipt Date:	Not reported
Manifest ID:	24699547
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Disposal Method:	- Not reported
Quantity Tons:	0.0105
Waste Quantity:	21
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050928
Creation Date:	6/7/2006 8:40:17
Receipt Date:	Not reported
Manifest ID:	24699547
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDf EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE LLC

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Disposal Method: - Not reported  
Quantity Tons: 0.1125  
Waste Quantity: 225  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2017  
Gen EPA ID: CAL000219377

Shipment Date: 20171018  
Creation Date: 10/10/2018 18:30:37  
Receipt Date: 20171108  
Manifest ID: 000183203DAT  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: NED986382133  
Trans 2 Name: SMITH SYSTEMS  
TSDF EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: U122  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
Quantity Tons: 0.2205  
Waste Quantity: 441  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20171018  
Creation Date: 10/10/2018 18:30:37  
Receipt Date: 20171108  
Manifest ID: 000183203DAT  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: NED986382133  
Trans 2 Name: SMITH SYSTEMS  
TSDF EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDF Alt EPA ID: Not reported  
TSDF Alt Name: Not reported  
CA Waste Code: 311 - Pharmaceutical waste  
RCRA Code: D001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.059
Waste Quantity:	118
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000183203DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000183203DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	561 - Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.131
Waste Quantity:	262
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported



Map ID  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000183203DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	352 - Other organic solids
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1565
Waste Quantity:	313
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000183203DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	122 - Alkaline solution without metals (pH > 12.5)
RCRA Code:	D002
Disposal Method:	H121 - Neutralization Only
Quantity Tons:	0.281
Waste Quantity:	562
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171018
Creation Date:	10/10/2018 18:30:37
Receipt Date:	20171108
Manifest ID:	000183203DAT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: NED986382133  
Trans 2 Name: SMITH SYSTEMS  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 311 - Pharmaceutical waste  
RCRA Code: D002  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.0355  
Waste Quantity: 71  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20171018  
Creation Date: 10/10/2018 18:30:37  
Receipt Date: 20171108  
Manifest ID: 000183203DAT  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: NED986382133  
Trans 2 Name: SMITH SYSTEMS  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 343 - Unspecified organic liquid mixture  
RCRA Code: U002  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)  
  
Quantity Tons: 0.1345  
Waste Quantity: 269  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported  
  
Shipment Date: 20170921  
Creation Date: 8/1/2018 18:30:51  
Receipt Date: 20171019  
Manifest ID: 000184752DAT  
Trans EPA ID: MNS000110924  
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC  
Trans 2 EPA ID: NED986382133  
Trans 2 Name: SMITH SYSTEMS TRANSPORTATION INC  
TSDf EPA ID: NVD980895338  
Trans Name: 21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC  
TSDf Alt EPA ID: Not reported

Map ID  
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MAP FINDINGS

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EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

TSDf Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.064
Waste Quantity:	128
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170921
Creation Date:	8/1/2018 18:30:51
Receipt Date:	20171019
Manifest ID:	000184752DAT
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	NED986382133
Trans 2 Name:	SMITH SYSTEMS TRANSPORTATION INC
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U122
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.079
Waste Quantity:	158
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Additional Info:	
Year:	2015
Gen EPA ID:	CAL000219377
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported

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EDR ID Number  
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**CARDINAL HEALTH (Continued)**

**S113110524**

Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0575
Waste Quantity:	115
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0525
Waste Quantity:	105
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0595
Waste Quantity:	119
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

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**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	1/20/2016 22:15:50
Receipt Date:	20150826
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	U002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.101
Waste Quantity:	202
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	1/20/2016 22:15:50
Receipt Date:	20150826

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**CARDINAL HEALTH (Continued)**

**S113110524**

Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	D002
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.052
Waste Quantity:	104
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	1/20/2016 22:15:50
Receipt Date:	20150826
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	D001
Disposal Method:	H070 - Not reported
Quantity Tons:	0.0295
Waste Quantity:	59
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	1/20/2016 22:15:50
Receipt Date:	20150826
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDf EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDf Alt EPA ID:	Not reported

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**CARDINAL HEALTH (Continued)**

**S113110524**

TSDF Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U122
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.143
Waste Quantity:	286
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000105084DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	TXR000025072
Trans 2 Name:	ROCKETLINE CARRIER SERVICE
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	- Not reported
RCRA Code:	Not reported
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.041
Waste Quantity:	82
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150722
Creation Date:	2/8/2016 22:17:41
Receipt Date:	20150731
Manifest ID:	000118707DAT
Trans EPA ID:	CAR000210617
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF CALIFORNIA LP
Trans 2 EPA ID:	NVR000089375
Trans 2 Name:	DOUBLE BARREL ENVIRONMENTAL SERVICES
TSDF EPA ID:	NVD980895338
Trans Name:	21ST CENTURY ENVIRONMENTAL MANAGEMENT OF NEVADA LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
CA Waste Code:	311 - Pharmaceutical waste
RCRA Code:	D001
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.038
Waste Quantity:	76

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**CARDINAL HEALTH (Continued)**

**S113110524**

Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Additional Info:

Year: 2008  
Gen EPA ID: CAL000219377

Shipment Date: 20081218  
Creation Date: 2/20/2009 18:30:31  
Receipt Date: 20081219  
Manifest ID: 002200868FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: Not reported  
Trans 2 Name: Not reported  
TSDf EPA ID: CAD059494310  
Trans Name: CLEAN HARBORS SAN JOSE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: U164  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

Quantity Tons: 0.0035  
Waste Quantity: 7  
Quantity Unit: P  
Additional Code 1: D001  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20081210  
Creation Date: 4/9/2009 18:30:20  
Receipt Date: 20081216  
Manifest ID: 002200822FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.03  
Waste Quantity: 60  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported



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**CARDINAL HEALTH (Continued)**

**S113110524**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081210
Creation Date:	4/9/2009 18:30:20
Receipt Date:	20081216
Manifest ID:	002200822FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.055
Waste Quantity:	110
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081210
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002200822FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081210
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002200822FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC

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**CARDINAL HEALTH (Continued)**

**S113110524**

Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.6  
Waste Quantity: 1200  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20081210  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 002200822FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: Not reported  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.125  
Waste Quantity: 250  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

Shipment Date: 20081210  
Creation Date: Not reported  
Receipt Date: Not reported  
Manifest ID: 002200822FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 551 - Laboratory waste chemicals 561 Detergent and soap  
RCRA Code: D002  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel

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**CARDINAL HEALTH (Continued)**

**S113110524**

Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081210
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002200822FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081210
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002200822FLE
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDf EPA ID:	UTD981552177
Trans Name:	CLEAN HARBORS ARAGONITE LLC
TSDf Alt EPA ID:	Not reported
TSDf Alt Name:	Not reported
CA Waste Code:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

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**CARDINAL HEALTH (Continued)**

**S113110524**

Shipment Date: 20081210  
Creation Date: 4/9/2009 18:30:20  
Receipt Date: 20081216  
Manifest ID: 002200822FLE  
Trans EPA ID: MAD039322250  
Trans Name: CLEAN HARBORS ENVIRONMENTAL SERVICES INC  
Trans 2 EPA ID: MAD039322250  
Trans 2 Name: CLEAN HARBORS  
TSDf EPA ID: UTD981552177  
Trans Name: CLEAN HARBORS ARAGONITE LLC  
TSDf Alt EPA ID: Not reported  
TSDf Alt Name: Not reported  
CA Waste Code: 331 - Off-specification, aged, or surplus organics  
RCRA Code: D001  
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel  
Quantity Tons: 0.1275  
Waste Quantity: 255  
Quantity Unit: P  
Additional Code 1: Not reported  
Additional Code 2: Not reported  
Additional Code 3: Not reported  
Additional Code 4: Not reported  
Additional Code 5: Not reported

**CERS:**

Name: CARDINAL HEALTH  
Address: 700 VAUGHN RD  
City,State,Zip: DIXON, CA 95620  
Site ID: 389355  
CERS ID: 10406176  
CERS Description: Chemical Storage Facilities

**Violations:**

Site ID: 389355  
Site Name: Cardinal Health  
Violation Date: 10-08-2014  
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)  
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.  
Violation Notes: Returned to compliance on 10/08/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 389355  
Site Name: Cardinal Health  
Violation Date: 10-08-2014  
Citation: HSC 6.5 25201.16(f) - California Health and Safety Code, Chapter 6.5, Section(s) 25201.16(f)  
Violation Description: Failure to meet the following accumulation standards for universal waste aerosol cans: 1) A) Except when waste is added or removed or as provided in B), the container shall be closed, structurally sound, and compatible with the contents of the universal waste aerosol can, and shall show no evidence of leakage, spillage, or damage that could

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**CARDINAL HEALTH (Continued)**

**S113110524**

cause leakage under reasonably foreseeable conditions. B) The closed container requirement in subparagraph (A) does not apply to a container used to accumulate universal waste aerosol cans prior to processing the cans or prior to shipping the cans offsite, except that the container shall be covered at the end of each workday. 2) The container shall be placed in a location that has sufficient ventilation to avoid formation of an explosive atmosphere, and shall be designed, built, and maintained to withstand pressures reasonably expected during storage and transportation. 3) A) The container shall be placed on or above a floor or other surface that is free of cracks or gaps and is sufficiently impervious and bermed to contain leaks and spills. B) Subparagraph (A) does not apply to a container used to accumulate universal waste aerosol cans prior to processing the cans or prior to shipping the cans offsite. 4) Incompatible materials shall be kept segregated and managed appropriately in separate containers. 5) A container holding flammable wastes shall be kept at a safe distance from heat and open flames. 6) A container used to hold universal waste aerosol cans shall be labeled or marked clearly with one of the following phrases: "Universal Waste-Aerosol Cans", "Waste Aerosol Cans", or "Used Aerosol Cans".

Violation Notes: Returned to compliance on 10/08/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 389355  
Site Name: Cardinal Health  
Violation Date: 10-08-2014  
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130

Violation Description: Failure to properly handle, manage, label, and recycle used oil and fuel filters.

Violation Notes: Returned to compliance on 10/08/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: HW  
Violation Source: CERS

Site ID: 389355  
Site Name: Cardinal Health  
Violation Date: 10-08-2014  
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple

Violation Description: Business Plan Program - Operations/Maintenance - General

Violation Notes: Returned to compliance on 10/08/2014.  
Violation Division: Solano County Environmental Health  
Violation Program: HMRRP  
Violation Source: CERS

Site ID: 389355  
Site Name: Cardinal Health  
Violation Date: 08-24-2017  
Citation: 01001 - Search Title 8 regulations for 3225(A) at <https://www.dir.ca.gov/title8/index/T8index.asp>

Violation Description: Cal/OSHA Violation

Violation Notes: Not reported  
Violation Division: Cal/OSHA  
Violation Program: OSHA

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Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Violation Source: CERS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-08-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Occupational Safety and Health Administration Inspection  
Eval Date: 04-17-2017  
Violations Found: Yes  
Eval Type: Cal/OSHA Inspection  
Eval Notes: Not reported  
Eval Division: Cal/OSHA  
Eval Program: OSHA  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 10-08-2014  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Solano County Environmental Health  
Eval Program: HW  
Eval Source: CERS

Coordinates:  
Site ID: 389355  
Facility Name: Cardinal Health  
Env Int Type Code: APSA  
Program ID: 10406176  
Coord Name: Not reported  
Ref Point Type Desc: Center of a facility or station.  
Latitude: 38.465930  
Longitude: -121.813100

Affiliation:  
Affiliation Type Desc: Operator  
Entity Name: Shane Fleischacker  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (530) 406-3600

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 700 Vaughn Rd  
Affiliation City: Dixon

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Shane Fleischacker  
Entity Title: Director of Operations  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation  
Entity Name: Cardinal Health, LLC  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer  
Entity Name: Ronald A. Tolentino  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact  
Entity Name: Shane Fleischacker  
Entity Title: Not reported  
Affiliation Address: 700 Vaughn Rd  
Affiliation City: Dixon  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 95620  
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District  
Entity Name: Solano County Env Health  
Entity Title: Not reported  
Affiliation Address: 675 Texas Street, Suite 5500  
Affiliation City: Fairfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 94533  
Affiliation Phone: (707) 784-6765

Affiliation Type Desc: Legal Owner  
Entity Name: Cardinal Health

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CARDINAL HEALTH (Continued)**

**S113110524**

Entity Title: Not reported  
Affiliation Address: 7000 Cardinal Place  
Affiliation City: Dublin  
Affiliation State: OH  
Affiliation Country: United States  
Affiliation Zip: 43017  
Affiliation Phone: (614) 757-5000

Affiliation Type Desc: Property Owner  
Entity Name: Cardinal Health  
Entity Title: Not reported  
Affiliation Address: 7000 Cardinal Place  
Affiliation City: Dublin  
Affiliation State: OH  
Affiliation Country: United States  
Affiliation Zip: 43017  
Affiliation Phone: (614) 757-5000

**HWTS:**

Name: CARDINAL HEALTH  
Address: 700 VAUGHN RD  
Address 2: Not reported  
City,State,Zip: DIXON, CA 956209226  
EPA ID: CAL000219377  
Inactive Date: 06/30/2017  
Create Date: 06/01/2001  
Last Act Date: 08/23/2019  
Mailing Name: Not reported  
Mailing Address: 700 VAUGHN RD  
Mailing Address 2: Not reported  
Mailing City,State,Zip: DIXON, CA 956209226  
Owner Name: CARDINAL HEALTH 100 INC  
Owner Address: 7000 CARDINAL PL  
Owner Address 2: Not reported  
Owner City,State,Zip: DUBLIN, OH 430171091  
Contact Name: SHANE FLEISCHACKER  
Contact Address: 700 VAUGHN RD  
Contact Address 2: Not reported  
City,State,Zip: DIXON, CA 95620

**NAICS:**

EPA ID: CAL000219377  
Create Date: 2004-10-20 10:23:57  
NAICS Code: 446199  
NAICS Description: All Other Health and Personal Care Stores  
Issued EPA ID Date: 2001-06-01 00:00:00  
Inactive Date: 2017-06-30 00:00:00  
Facility Name: CARDINAL HEALTH  
Facility Address: 700 VAUGHN RD  
Facility Address 2: Not reported  
Facility City: DIXON  
Facility County: 48  
Facility State: CA  
Facility Zip: 956209226



MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
--	--	-------------	--------------------------------

**G28**            **MORGAN'S FRUIT STAND**  
**WNW**           **6646 MILK FARM**  
**1/8-1/4**        **DIXON, CA 95620**  
**0.249 mi.**  
**1313 ft.**        **Site 1 of 2 in cluster G**

**LUST**    **S100225686**  
**HIST CORTESE**    **N/A**  
**Notify 65**

**Relative:**        SOLANO CO. LUST:  
**Higher**            Name:                    MORGAN'S FRUIT STAND  
**Actual:**           Address:                6646 MILK FARM RD  
**68 ft.**               City,State,Zip:        DIXON, CA 95620  
                          Region:                   SOLANO  
                          Facility ID:              80114  
                          Facility Status:        I  
                          Facility Status Desc:   Inactive  
                          Facility Phone:        Not reported  
                          Program:                29S  
                          Inventory Number:     1  
                          Inventory Type:        LOP - Closed Site (128)  
                          Inventory Description: Ref date = 5/16/2014  
                          Last service/permit exp: ISSUANCE OF A CLOSURE DOCUMENT \* Missing \*  
                          Last service date:     05/05/2014  
                          District:                SUP-DIST NO 3037  
                          Inspector:              Kaltreider, Misty  
                          Call Back:               Not reported

**LUST:**  
 Name:                                    MORGAN'S FRUIT STAND  
 Address:                                6646 MILK FARM RD  
 City,State,Zip:                        DIXON, CA 95620  
 Lead Agency:                           SOLANO COUNTY LOP  
 Case Type:                              LUST Cleanup Site  
 Geo Track:                              [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500359](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500359)  
 Global Id:                                T0609500359  
 Latitude:                                38.4808560628852  
 Longitude:                               -121.814603805542  
 Status:                                    Completed - Case Closed  
 Status Date:                             05/06/2014  
 Case Worker:                            Not reported  
 RB Case Number:                       480101  
 Local Agency:                           SOLANO COUNTY  
 File Location:                           Local Agency  
 Local Case Number:                    80114  
 Potential Media Affect:                Aquifer used for drinking water supply  
 Potential Contaminants of Concern: Gasoline  
 Site History:                            See site documents for historical information. This site is included with the former Texaco (Global ID T0609500360), 6615 Milk Farm Property, Dixon as one claim under the cleanup fund claim # 1391.

**LUST:**  
 Global Id:                                T0609500359  
 Contact Type:                           Local Agency Caseworker  
 Contact Name:                           SOLANO COUNTY  
 Organization Name:                    SOLANO COUNTY  
 Address:                                 675 TEXAS STREET, SUITE 2500  
 City:                                        FAIRFIELD  
 Email:                                      Not reported  
 Phone Number:                           Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

LUST:

Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	06/17/2011
Action:	Warning Letter
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	10/05/2010
Action:	Verbal Enforcement
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	11/30/2010
Action:	Soil and Water Investigation Workplan
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	10/15/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	03/31/1998
Action:	Final Remedial Action Report / Corrective Action Report
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	03/16/1994
Action:	Correspondence
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	11/13/1990
Action:	Tank Removal Report / UST Sampling Report
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	06/20/1990
Action:	Correspondence
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	03/12/1990
Action:	Other Report / Document
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	07/23/1992
Action:	Correspondence
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	02/17/2012
Action:	Monitoring Report - Other
Global Id:	T0609500359

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

Action Type: RESPONSE  
Date: 11/29/1989  
Action: Other Report / Document

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 02/17/2012  
Action: Monitoring Report - Other

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 02/27/1992  
Action: Correspondence

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 01/27/1997  
Action: Correspondence

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 10/15/2007  
Action: Meeting

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 06/21/2011  
Action: Meeting

Global Id: T0609500359  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Discovery

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 06/20/2011  
Action: Verbal Communication

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 06/28/2011  
Action: Verbal Communication

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 04/18/2012  
Action: Warning Letter

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 08/17/2012  
Action: Notice to Comply

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 03/05/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

Action:	Staff Letter
Global Id:	T0609500359
Action Type:	Other
Date:	05/23/1989
Action:	Leak Stopped
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	09/26/2012
Action:	Notice to Comply
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	09/13/2013
Action:	Verbal Enforcement
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	11/01/2012
Action:	Site Assessment Report
Global Id:	T0609500359
Action Type:	Other
Date:	08/10/1989
Action:	Leak Reported
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	03/09/2007
Action:	Verbal Communication
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	10/28/2010
Action:	Staff Letter
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	05/19/2009
Action:	Notice of Reimbursement
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	06/30/2009
Action:	Staff Letter
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	01/30/2014
Action:	Warning Letter
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	09/30/2002
Action:	File review

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	12/20/2002
Action:	File review
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	01/25/2010
Action:	Staff Letter
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	11/30/2009
Action:	Notice of Responsibility
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	08/30/2008
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	06/05/2006
Action:	Monitoring Report - Quarterly
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	03/02/2004
Action:	13267 Monitoring Program
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	10/20/2004
Action:	* Historical Enforcement
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	02/20/2013
Action:	LOP Case Closure Summary to RB
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	12/02/2010
Action:	Staff Letter
Global Id:	T0609500359
Action Type:	ENFORCEMENT
Date:	02/28/2014
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0609500359
Action Type:	RESPONSE
Date:	04/08/2008
Action:	Monitoring Report - Quarterly
Global Id:	T0609500359
Action Type:	RESPONSE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

Date: 01/20/2010  
Action: Correspondence

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 07/12/2004  
Action: File review

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 09/30/2004  
Action: File review

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 03/03/2005  
Action: File review

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 11/05/2013  
Action: Warning Letter

Global Id: T0609500359  
Action Type: ENFORCEMENT  
Date: 05/06/2014  
Action: Closure/No Further Action Letter

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 02/13/1997  
Action: Correspondence

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 03/16/1995  
Action: Other Report / Document

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 10/05/2000  
Action: Monitoring Report - Other

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 03/19/1991  
Action: Other Report / Document

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 10/05/1989  
Action: Correspondence

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 12/21/1994  
Action: Correspondence

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**S100225686**

Global Id: T0609500359  
Action Type: RESPONSE  
Date: 10/22/1993  
Action: Other Report / Document

**LUST:**

Global Id: T0609500359  
Status: Open - Case Begin Date  
Status Date: 05/23/1989

Global Id: T0609500359  
Status: Open - Site Assessment  
Status Date: 05/17/1991

Global Id: T0609500359  
Status: Open - Site Assessment  
Status Date: 06/07/1994

Global Id: T0609500359  
Status: Open - Remediation  
Status Date: 08/26/2004

Global Id: T0609500359  
Status: Open - Verification Monitoring  
Status Date: 12/06/2007

Global Id: T0609500359  
Status: Open - Eligible for Closure  
Status Date: 02/05/2013

Global Id: T0609500359  
Status: Completed - Case Closed  
Status Date: 05/06/2014

**HIST CORTESE:**

edr\_fname: MORGAN'S FRUIT STAND  
edr\_fadd1: 6646 MILK FARM  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LTNKA  
Reg Id: 480101

**NOTIFY 65:**

Name: MORGAN'S FRUIT STAND  
Address: 6646 MILK FARM  
City,State,Zip: DIXON, CA 94080  
Date Reported: Not reported  
Staff Initials: Not reported  
Board File Number: Not reported  
Facility Type: Not reported  
Discharge Date: Not reported  
Issue Date: Not reported  
Incident Description: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G29**  
**WNW**  
**1/8-1/4**  
**0.249 mi.**  
**1313 ft.**

**MORGAN'S FRUIT STAND**  
**6646 MILK FARM RD**  
**DIXON, CA 95620**  
**Site 2 of 2 in cluster G**

**LUST** **U003641635**  
**UST** **N/A**  
**SWEEPS UST**  
**Cortese**

**Relative:**  
**Higher**  
**Actual:**  
**68 ft.**

LUST REG 5:  
Name: MORGAN'S FRUIT STAND  
Address: 6646 MILK FARM RD  
City: DIXON  
Region: 5  
Status: Post remedial action monitoring  
Case Number: 480101  
Case Type: Drinking Water Aquifer affected  
Substance: GASOLINE  
Staff Initials: JIM  
Lead Agency: Local  
Program: LUST  
MTBE Code: 4

SOLANO CO. UST:  
Name: MORGAN'S FRUIT STAND  
Address: 6646 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Facility Id: 80114  
Facility Status: Inactive  
Decode for Facility Status: Closed  
Facility Phone: Not reported  
  
Inventory Number: 1  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: Not reported  
Last Service Date: Not reported  
District: SUP-DIST NO 3038  
Inspector: Osier, Courtney A  
  
Name: MORGAN'S FRUIT STAND  
Address: 6646 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
  
Inventory Number: 2  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: Not reported  
Last Service Date: Not reported  
District: SUP-DIST NO 3038  
Inspector: Osier, Courtney A  
  
Name: MORGAN'S FRUIT STAND  
Address: 6646 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
  
Inventory Number: 3  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: Not reported  
Last Service Date: Not reported  
District: SUP-DIST NO 3038



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN'S FRUIT STAND (Continued)**

**U003641635**

Inspector: Osier, Courtney A

**SWEEPS UST:**

Name: MORGAN'S FRUIT STAND/MILK FARM  
Address: 6646 MILK FARM RD  
City: DIXON  
Status: Not reported  
Comp Number: 80114  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: Not reported  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: 0

**CORTESE:**

Name: MORGAN'S FRUIT STAND  
Address: 6646 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0609500359  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**30**  
**West**  
**1/4-1/2**  
**0.490 mi.**  
**2587 ft.**

**IKE'S LANDSCAPING (MILK FARM)**  
**6464 MILK FARM RD**  
**DIXON, CA 95620**

**LUST** **U003641591**  
**UST** **N/A**  
**SWEEPS UST**  
**Cortese**  
**HIST CORTESE**

**Relative:**  
**Higher**  
**Actual:**  
**68 ft.**

**SOLANO CO. LUST:**  
 Name: IKE'S LANDSCAPING (MILK FARM)  
 Address: 6464 MILK FARM RD  
 City,State,Zip: DIXON, CA 95620  
 Region: SOLANO  
 Facility ID: 80009  
 Facility Status: I  
 Facility Status Desc: Inactive  
 Facility Phone: Not reported  
 Program: 29S  
 Inventory Number: 1  
 Inventory Type: LOP - Closed Site (128)  
 Inventory Description: Not reported  
 Last service/permit exp: ISSUANCE OF A CLOSURE DOCUMENT  
 Last service date: 08/27/2003  
 District: SUP-DIST NO 3037  
 Inspector: Kaltreider, Misty  
 Call Back: Not reported

**LUST REG 5:**  
 Name: IKE'S LANDSCAPING  
 Address: 6464 MILK FARM RD  
 City: DIXON  
 Region: 5  
 Status: Case Closed  
 Case Number: 480110  
 Case Type: Drinking Water Aquifer affected  
 Substance: GASOLINE  
 Staff Initials: JIM  
 Lead Agency: Local  
 Program: LUST  
 MTBE Code: N/A

**LUST:**  
 Name: IKE'S LANDSCAPING  
 Address: 6464 MILK FARM RD  
 City,State,Zip: DIXON, CA 95620  
 Lead Agency: SOLANO COUNTY LOP  
 Case Type: LUST Cleanup Site  
 Geo Track: [http://geotracker.waterboards.ca.gov/profile\\_report.asp?global\\_id=T0609500368](http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609500368)  
 Global Id: T0609500368  
 Latitude: 38.47689  
 Longitude: -121.819358  
 Status: Completed - Case Closed  
 Status Date: 07/15/1997  
 Case Worker: Not reported  
 RB Case Number: 480110  
 Local Agency: SOLANO COUNTY  
 File Location: Not reported  
 Local Case Number: 80009  
 Potential Media Affect: Aquifer used for drinking water supply  
 Potential Contaminants of Concern: Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IKE'S LANDSCAPING (MILK FARM) (Continued)**

**U003641591**

Site History: Not reported

LUST:  
Global Id: T0609500368  
Contact Type: Local Agency Caseworker  
Contact Name: SOLANO COUNTY  
Organization Name: SOLANO COUNTY  
Address: 675 TEXAS STREET, SUITE 2500  
City: FAIRFIELD  
Email: Not reported  
Phone Number: Not reported

LUST:  
Global Id: T0609500368  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Discovery

Global Id: T0609500368  
Action Type: Other  
Date: 05/23/1989  
Action: Leak Stopped

Global Id: T0609500368  
Action Type: Other  
Date: 08/10/1989  
Action: Leak Reported

Global Id: T0609500368  
Action Type: ENFORCEMENT  
Date: 03/28/1997  
Action: Closure/No Further Action Letter

LUST:  
Global Id: T0609500368  
Status: Open - Case Begin Date  
Status Date: 05/23/1989

Global Id: T0609500368  
Status: Open - Site Assessment  
Status Date: 05/17/1991

Global Id: T0609500368  
Status: Open - Site Assessment  
Status Date: 06/07/1994

Global Id: T0609500368  
Status: Completed - Case Closed  
Status Date: 07/15/1997

SOLANO CO. UST:  
Name: IKE'S LANDSCAPING (MILK FARM)  
Address: 6464 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Facility Id: 80009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IKE'S LANDSCAPING (MILK FARM) (Continued)**

**U003641591**

Facility Status: Inactive  
Decode for Facility Status: Closed  
Facility Phone: Not reported

Inventory Number: 1  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: Not reported  
Last Service Date: Not reported  
District: SUP-DIST NO 3039  
Inspector: Steele, Joshua A

Name: IKE'S LANDSCAPING (MILK FARM)  
Address: 6464 MILK FARM RD  
City,State,Zip: DIXON, CA 95620

Inventory Number: 2  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: Not reported  
Last Service Date: Not reported  
District: SUP-DIST NO 3039  
Inspector: Osier, Courtney A

Name: IKE'S LANDSCAPING (MILK FARM)  
Address: 6464 MILK FARM RD  
City,State,Zip: DIXON, CA 95620

Inventory Number: 3  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: Not reported  
Last Service Date: Not reported  
District: SUP-DIST NO 3039  
Inspector: Osier, Courtney A

Name: IKE'S LANDSCAPING (MILK FARM)  
Address: 6464 MILK FARM RD  
City,State,Zip: DIXON, CA 95620

Inventory Number: 4  
Inventory Type: Underground Storage Tank (1)  
Inventory Description: Not reported  
Permit Expire/Last Service: Not reported  
Last Service Date: Not reported  
District: SUP-DIST NO 3039  
Inspector: Osier, Courtney A

**SWEEPS UST:**

Name: IKE'S LANDSCAPING (MILK FARM)  
Address: 6464 MILK FARM RD  
City: DIXON  
Status: Not reported  
Comp Number: 80009  
Number: Not reported  
Board Of Equalization: Not reported  
Referral Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IKE'S LANDSCAPING (MILK FARM) (Continued)**

**U003641591**

Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: Not reported  
Tank Status: Not reported  
Capacity: Not reported  
Active Date: Not reported  
Tank Use: Not reported  
STG: Not reported  
Content: Not reported  
Number Of Tanks: 0

**CORTESE:**

Name: IKE'S LANDSCAPING  
Address: 6464 MILK FARM RD  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Envirostor Id: Not reported  
Global ID: T0609500368  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**HIST CORTESE:**

edr\_fname: IKE'S LANDSCAPING  
edr\_fadd1: 6464 MILK FARM  
City,State,Zip: DIXON, CA 95620  
Region: CORTESE  
Facility County Code: 48  
Reg By: LTNKA  
Reg Id: 480110

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DIXON	S107536018		7200 BLOCK MIDWAY RD (X - PEDR	95620	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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/13/2020
	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: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Quarterly

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 04/27/2020  
Date Data Arrived at EDR: 05/06/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: N/A  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

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

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

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 04/03/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 04/27/2020  
Date Data Arrived at EDR: 05/06/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Quarterly

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

SEMS-ARCHIVE: Superfund Enterprise Management System Archive



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Quarterly

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

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/23/2020	Source: EPA
Date Data Arrived at EDR: 03/25/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

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

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

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

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

## RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

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

### LUCIS: Land Use Control Information System

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

Date of Government Version: 11/04/2019	Source: Department of the Navy
Date Data Arrived at EDR: 11/13/2019	Telephone: 843-820-7326
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 05/14/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

### US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Federal ERNS list**

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/16/2019

Date Data Arrived at EDR: 12/19/2019

Date Made Active in Reports: 03/06/2020

Number of Days to Update: 78

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 03/24/2020

Next Scheduled EDR Contact: 07/06/2020

Data Release Frequency: Quarterly

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

RESPONSE: State Response Sites

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

Date of Government Version: 01/27/2020

Date Data Arrived at EDR: 01/28/2020

Date Made Active in Reports: 04/09/2020

Number of Days to Update: 72

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/28/2020

Next Scheduled EDR Contact: 08/10/2020

Data Release Frequency: Quarterly

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

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 01/27/2020

Date Data Arrived at EDR: 01/28/2020

Date Made Active in Reports: 04/09/2020

Number of Days to Update: 72

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/28/2020

Next Scheduled EDR Contact: 08/10/2020

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: 02/10/2020

Date Data Arrived at EDR: 02/11/2020

Date Made Active in Reports: 04/20/2020

Number of Days to Update: 69

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 05/12/2020

Next Scheduled EDR Contact: 08/24/2020

Data Release Frequency: Quarterly

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: see region list
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/13/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Quarterly

## 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	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

## LUST REG 9: Leaking Underground Storage Tank Report

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

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

## LUST REG 1: Active Toxic Site Investigation

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

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	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	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	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	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	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	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	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	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

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

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/17/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/04/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/27/2020  
Number of Days to Update: 85

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

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

Date of Government Version: 10/02/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 68

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

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

Date of Government Version: 10/03/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/14/2020  
Number of Days to Update: 72

Source: EPA Region 8  
Telephone: 303-312-6271  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

**INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land**  
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 68

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

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

Date of Government Version: 10/11/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 68

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

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

Date of Government Version: 10/10/2019  
Date Data Arrived at EDR: 12/05/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 67

Source: EPA Region 4  
Telephone: 404-562-8677  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

**INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land**  
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 68

Source: EPA, Region 5  
Telephone: 312-886-7439  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 05/13/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Varies

## SLIC REG 1: Active Toxic Site Investigations

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

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/01/2011
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 04/01/2005	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

## SLIC REG 6L: SLIC Sites

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

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

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

## SLIC REG 7: SLIC List

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

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

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

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

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

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

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

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

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

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

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

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

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019  
Date Data Arrived at EDR: 08/28/2019  
Date Made Active in Reports: 11/11/2019  
Number of Days to Update: 75

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 03/19/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 03/09/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/11/2020	Telephone: 916-327-7844
Date Made Active in Reports: 05/26/2020	Last EDR Contact: 03/11/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Varies

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

Military ust sites

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/13/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Varies

## UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/09/2020	Source: SWRCB
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-341-5851
Date Made Active in Reports: 05/20/2020	Last EDR Contact: 03/10/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Semi-Annually

## AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 03/12/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 06/29/2020
	Data Release Frequency: Varies

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

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

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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

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

Date of Government Version: 10/01/2019	Source: EPA, Region 1
Date Data Arrived at EDR: 12/04/2019	Telephone: 617-918-1313
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-9424
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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

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

Date of Government Version: 10/01/2019	Source: EPA Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-6136
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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

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

Date of Government Version: 10/02/2019	Source: EPA Region 6
Date Data Arrived at EDR: 12/04/2019	Telephone: 214-665-7591
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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

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

Date of Government Version: 10/11/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/04/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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

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

Date of Government Version: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6137
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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

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

Date of Government Version: 10/04/2019	Source: EPA Region 9
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3368
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 01/27/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/28/2020	Telephone: 916-323-3400
Date Made Active in Reports: 04/09/2020	Last EDR Contact: 04/28/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/10/2020
	Data Release Frequency: Quarterly

### 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

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 03/18/2020
Number of Days to Update: 142	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Varies

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

### BROWNFIELDS: Considered Brownfields Sites Listing

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

Date of Government Version: 03/23/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/24/2020	Telephone: 916-323-7905
Date Made Active in Reports: 06/05/2020	Last EDR Contact: 03/24/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

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

### US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 12/02/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/16/2019	Telephone: 202-566-2777
Date Made Active in Reports: 03/06/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 06/29/2020
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 04/16/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 08/10/2020
	Data Release Frequency: No Update Planned

### **SWRCY: Recycler Database**

A listing of recycling facilities in California.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-323-3836
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 03/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Quarterly

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

A listing of registered waste tire haulers.

Date of Government Version: 11/15/2019	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 11/15/2019	Telephone: 916-341-6422
Date Made Active in Reports: 01/23/2020	Last EDR Contact: 05/06/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 08/24/2020
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 04/16/2020
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/10/2020
	Data Release Frequency: Varies

### **ODI: Open Dump Inventory**

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

Date of Government Version: 06/30/1985	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

### **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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 04/09/2020
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## IHS OPEN DUMPS: Open Dumps on Indian Land

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

Date of Government Version: 04/01/2014	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 05/01/2020
Number of Days to Update: 176	Next Scheduled EDR Contact: 08/10/2020
	Data Release Frequency: Varies

## Local Lists of Hazardous waste / Contaminated Sites

### US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 06/11/2019	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/13/2019	Telephone: 202-307-1000
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 05/18/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: No Update Planned

### HIST CAL-SITES: Calsites Database

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

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

### SCH: School Property Evaluation Program

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

Date of Government Version: 01/27/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/28/2020	Telephone: 916-323-3400
Date Made Active in Reports: 04/09/2020	Last EDR Contact: 04/28/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/10/2020
	Data Release Frequency: Quarterly

### CDL: Clandestine Drug Labs

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

Date of Government Version: 12/31/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/05/2020	Telephone: 916-255-6504
Date Made Active in Reports: 04/15/2020	Last EDR Contact: 05/14/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Varies

### CERS HAZ WASTE: CERS HAZ WASTE

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/21/2020  
Date Data Arrived at EDR: 01/22/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 70

Source: CalEPA  
Telephone: 916-323-2514  
Last EDR Contact: 04/21/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Quarterly

## TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

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

## US CDL: Clandestine Drug Labs

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

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

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 05/18/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Quarterly

## PFAS: PFAS Contamination Site Location Listing

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

Date of Government Version: 03/09/2020  
Date Data Arrived at EDR: 03/10/2020  
Date Made Active in Reports: 05/19/2020  
Number of Days to Update: 70

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 03/10/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Varies

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

### SWEEPS UST: SWEEPS UST Listing

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

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

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

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/19/2019  
Date Data Arrived at EDR: 12/23/2019  
Date Made Active in Reports: 02/21/2020  
Number of Days to Update: 60

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 05/15/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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

## SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/01/2019	Source: San Francisco County Department of Public Health
Date Data Arrived at EDR: 08/02/2019	Telephone: 415-252-3896
Date Made Active in Reports: 10/11/2019	Last EDR Contact: 04/23/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

## CA FID UST: Facility Inventory Database

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

Date of Government Version: 10/31/1994	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

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

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

Date of Government Version: 01/21/2020	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 01/22/2020	Telephone: 916-323-2514
Date Made Active in Reports: 04/01/2020	Last EDR Contact: 04/21/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

## **Local Land Records**

### LIENS: Environmental Liens Listing

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

Date of Government Version: 03/03/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 03/05/2020	Telephone: 916-323-3400
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 05/27/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 04/27/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Semi-Annually

# 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: 03/02/2020	Source: DTSC and SWRCB
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-323-3400
Date Made Active in Reports: 05/13/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/14/2020
	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: 12/05/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/06/2019	Telephone: 202-366-4555
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 03/24/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

### CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 12/24/2019	Source: Office of Emergency Services
Date Data Arrived at EDR: 01/22/2020	Telephone: 916-845-8400
Date Made Active in Reports: 03/30/2020	Last EDR Contact: 04/21/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 05/13/2020	Source: State Water Quality Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 05/13/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/13/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS 90: SPILLS90 data from FirstSearch

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

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

## Other Ascertainable Records

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

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/28/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/19/2020	Telephone: 202-528-4285
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/10/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Semi-Annually

### FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 04/06/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: N/A

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 05/15/2020  
Next Scheduled EDR Contact: 08/24/2020  
Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 12/16/2019  
Date Data Arrived at EDR: 12/19/2019  
Date Made Active in Reports: 02/27/2020  
Number of Days to Update: 70

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 03/24/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 05/04/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

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

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

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 05/08/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

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

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

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 03/20/2020  
Next Scheduled EDR Contact: 06/29/2020  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 79

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 05/21/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

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

Date of Government Version: 05/01/2019  
Date Data Arrived at EDR: 10/23/2019  
Date Made Active in Reports: 01/15/2020  
Number of Days to Update: 84

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 04/21/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Annually

## ROD: Records Of Decision

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

Date of Government Version: 04/27/2020  
Date Data Arrived at EDR: 05/06/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Annually

## RMP: Risk Management Plans

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

Date of Government Version: 11/05/2019  
Date Data Arrived at EDR: 11/20/2019  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 149

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 04/15/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/30/2020	Source: EPA
Date Data Arrived at EDR: 02/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 06/03/2020
Number of Days to Update: 8	Next Scheduled EDR Contact: 08/17/2020
	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: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 04/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/26/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Quarterly

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

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

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

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

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

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

## MLTS: Material Licensing Tracking System

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

Date of Government Version: 10/25/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/25/2019	Telephone: 301-415-7169
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 04/10/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 06/05/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

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

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

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 06/01/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/08/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

## RADINFO: Radiation Information Database

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

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 07/01/2019
Number of Days to Update: 84	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Quarterly

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

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

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 04/28/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Quarterly

## CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2019  
Date Data Arrived at EDR: 01/17/2020  
Date Made Active in Reports: 03/06/2020  
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

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

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

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 03/25/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

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

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

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 04/10/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

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

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

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 04/29/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 05/18/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020  
Date Data Arrived at EDR: 05/06/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 22

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

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

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

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

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

## US MINES: Mines Master Index File

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

Date of Government Version: 02/11/2020  
Date Data Arrived at EDR: 02/25/2020  
Date Made Active in Reports: 05/21/2020  
Number of Days to Update: 86

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 05/21/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Semi-Annually

## MINES VIOLATIONS: MSHA Violation Assessment Data

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/31/2020  
Date Data Arrived at EDR: 04/01/2020  
Date Made Active in Reports: 05/21/2020  
Number of Days to Update: 50

Source: DOL, Mine Safety & Health Admi  
Telephone: 202-693-9424  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 01/16/2018  
Date Data Arrived at EDR: 02/28/2020  
Date Made Active in Reports: 05/22/2020  
Number of Days to Update: 84

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Varies

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

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

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

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 05/21/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 03/05/2020  
Date Data Arrived at EDR: 03/06/2020  
Date Made Active in Reports: 05/29/2020  
Number of Days to Update: 84

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 09/21/2020  
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: 02/03/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 86

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 06/02/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Quarterly

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 01/17/2019  
Date Made Active in Reports: 04/01/2019  
Number of Days to Update: 74

Source: Department of Defense  
Telephone: 703-704-1564  
Last EDR Contact: 04/03/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 05/18/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

## ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 01/05/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/07/2020	Telephone: 202-564-2280
Date Made Active in Reports: 03/06/2020	Last EDR Contact: 04/07/2020
Number of Days to Update: 59	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/18/2020	Source: EPA
Date Data Arrived at EDR: 02/19/2020	Telephone: 800-385-6164
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 05/19/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Quarterly

## CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 03/23/2020	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/24/2020	Telephone: 916-323-3400
Date Made Active in Reports: 06/05/2020	Last EDR Contact: 03/24/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

## CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/14/2019	Telephone: 925-454-2361
Date Made Active in Reports: 07/17/2019	Last EDR Contact: 05/15/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

## CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/03/2020  
Date Data Arrived at EDR: 02/04/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 65

Source: San Francisco County Department of Environmental Health  
Telephone: 415-252-3896  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

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

Date of Government Version: 01/31/2020  
Date Data Arrived at EDR: 01/31/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 69

Source: South Coast Air Quality Management District  
Telephone: 909-396-3211  
Last EDR Contact: 05/15/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Varies

## DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/27/2020  
Date Data Arrived at EDR: 02/28/2020  
Date Made Active in Reports: 05/07/2020  
Number of Days to Update: 69

Source: Antelope Valley Air Quality Management District  
Telephone: 661-723-8070  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Varies

## DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 12/04/2019  
Date Data Arrived at EDR: 01/29/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 71

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
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: 12/31/2017  
Date Data Arrived at EDR: 06/24/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 59

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 03/20/2020  
Next Scheduled EDR Contact: 06/29/2020  
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: 04/03/2020  
Date Data Arrived at EDR: 04/07/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 8

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 04/03/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/21/2020  
Date Data Arrived at EDR: 01/23/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 69

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 02/19/2020	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 02/20/2020	Telephone: 916-341-6066
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 04/29/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

## HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2017	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 05/29/2019	Telephone: 916-255-1136
Date Made Active in Reports: 07/22/2019	Last EDR Contact: 04/15/2020
Number of Days to Update: 54	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Annually

## ICE: ICE

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

Date of Government Version: 02/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/19/2020	Telephone: 877-786-9427
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Quarterly

## HIST CORTESE: Hazardous Waste & Substance Site List

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

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

## HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 02/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/19/2020	Telephone: 916-323-3400
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Quarterly

## HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/06/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/07/2020	Telephone: 916-440-7145
Date Made Active in Reports: 03/05/2020	Last EDR Contact: 04/09/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-322-1080
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 03/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 06/22/2020
	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: 02/12/2020	Source: Department of Public Health
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-558-1784
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/10/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/11/2020	Telephone: 916-445-9379
Date Made Active in Reports: 04/20/2020	Last EDR Contact: 05/12/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Quarterly

## PEST LIC: Pesticide Regulation Licenses Listing

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

Date of Government Version: 03/02/2020	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-445-4038
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Quarterly

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-323-3836
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 03/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Quarterly

## NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 03/12/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/13/2020	Telephone: 916-445-3846
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/12/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 06/29/2020
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UIC: UIC Listing

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

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-445-2408
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 03/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Varies

## UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 05/13/2020	Source: State Water Resource Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/13/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Varies

## WASTEWATER PITS: Oil Wastewater Pits Listing

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

Date of Government Version: 11/19/2019	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 01/07/2020	Telephone: 559-445-5577
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 04/10/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Varies

## 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: 05/07/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: No Update Planned

## WIP: Well Investigation Program Case List

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

Date of Government Version: 07/03/2009	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: 03/18/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: No Update Planned

## MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/13/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Varies

## PROJECT: Project Sites (GEOTRACKER)

Projects sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/13/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Varies

## WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2020  
Date Data Arrived at EDR: 03/10/2020  
Date Made Active in Reports: 05/19/2020  
Number of Days to Update: 70

Source: State Water Resources Control Board  
Telephone: 916-341-5810  
Last EDR Contact: 03/10/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Quarterly

## CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/02/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/13/2020  
Number of Days to Update: 71

Source: State Water Resources Control Board  
Telephone: 866-794-4977  
Last EDR Contact: 06/02/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Varies

## CERS: CalEPA Regulated Site Portal Data

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

Date of Government Version: 01/21/2020  
Date Data Arrived at EDR: 01/22/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 70

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 04/21/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

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

Non-Case Information sites

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/13/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Varies

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

Other Oil & Gas Projects sites

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/13/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/13/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Varies

## SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/13/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Varies

## WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

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

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 05/13/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Varies

## HWTS: Hazardous Waste Tracking System

The Hazardous Waste Tracking System (HWTS) is the Department of Toxic Substances Control's data repository for hazardous waste Identification (ID) numbers and manifest information. HWTS generates reports on hazardous waste shipments for generators, transporters, and TSDFs.

Date of Government Version: 10/15/2019  
Date Data Arrived at EDR: 11/14/2019  
Date Made Active in Reports: 02/07/2020  
Number of Days to Update: 85

Source: Department of Toxic Substances Control  
Telephone: 916-324-2444  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Varies

## PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011  
Date Data Arrived at EDR: 08/05/2011  
Date Made Active in Reports: 09/29/2011  
Number of Days to Update: 55

Source: EPA, Office of Water  
Telephone: 202-564-2496  
Last EDR Contact: 03/09/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Semi-Annually

## PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014  
Date Data Arrived at EDR: 01/06/2015  
Date Made Active in Reports: 05/06/2015  
Number of Days to Update: 120

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 02/05/2015  
Date Made Active in Reports: 03/06/2015  
Number of Days to Update: 29

Source: EPA  
Telephone: 202-564-2497  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Varies

## MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018  
Date Data Arrived at EDR: 10/21/2019  
Date Made Active in Reports: 10/24/2019  
Number of Days to Update: 3

Source: USGS  
Telephone: 703-648-6533  
Last EDR Contact: 05/21/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Varies

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/13/2014  
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/30/2013  
Number of Days to Update: 182

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### CS ALAMEDA: Contaminated Sites

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

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

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Semi-Annually

#### UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/06/2020  
Date Data Arrived at EDR: 01/07/2020  
Date Made Active in Reports: 03/06/2020  
Number of Days to Update: 59

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 04/20/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 05/18/2020  
Date Data Arrived at EDR: 05/19/2020  
Date Made Active in Reports: 06/01/2020  
Number of Days to Update: 13

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 05/18/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## BUTTE COUNTY:

### CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 12/02/2019  
Date Data Arrived at EDR: 12/03/2019  
Date Made Active in Reports: 02/04/2020  
Number of Days to Update: 63

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 03/18/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 03/02/2020  
Date Data Arrived at EDR: 03/04/2020  
Date Made Active in Reports: 06/01/2020  
Number of Days to Update: 89

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 04/06/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Semi-Annually

## CONTRA COSTA COUNTY:

### SL CONTRA COSTA: Site List

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

Date of Government Version: 02/14/2020  
Date Data Arrived at EDR: 02/18/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 66

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 04/16/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 12/27/2019  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 72

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 04/16/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 12/31/2019  
Date Data Arrived at EDR: 01/03/2020  
Date Made Active in Reports: 03/05/2020  
Number of Days to Update: 62

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 05/06/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Varies

## FRESNO COUNTY:

### CUPA FRESNO: CUPA Resources List

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

Date of Government Version: 10/08/2019  
Date Data Arrived at EDR: 10/10/2019  
Date Made Active in Reports: 12/11/2019  
Number of Days to Update: 62

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 03/31/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Semi-Annually

## GLENN COUNTY:

### CUPA GLENN: CUPA Facility List Cupa facility list

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

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: No Update Planned

## HUMBOLDT COUNTY:

### CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 11/13/2019  
Date Data Arrived at EDR: 11/14/2019  
Date Made Active in Reports: 01/23/2020  
Number of Days to Update: 70

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 05/14/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Semi-Annually

## IMPERIAL COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 01/21/2020  
Date Data Arrived at EDR: 01/23/2020  
Date Made Active in Reports: 03/30/2020  
Number of Days to Update: 67

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## INYO COUNTY:

### CUPA INYO: CUPA Facility List Cupa facility list.

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

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## KERN COUNTY:

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

Date of Government Version: 01/31/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 70

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA KINGS: CUPA Facility List

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

Date of Government Version: 02/13/2020  
Date Data Arrived at EDR: 02/14/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 70

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 01/15/2020  
Date Data Arrived at EDR: 01/16/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 76

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 04/13/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Varies

## LASSEN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 01/30/2020  
Date Data Arrived at EDR: 01/31/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 69

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:

### AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: N/A  
Telephone: N/A  
Last EDR Contact: 03/12/2020  
Next Scheduled EDR Contact: 06/29/2020  
Data Release Frequency: No Update Planned

### HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/15/2020  
Date Data Arrived at EDR: 01/16/2020  
Date Made Active in Reports: 02/07/2020  
Number of Days to Update: 22

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Semi-Annually

### LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/13/2020  
Date Data Arrived at EDR: 01/14/2020  
Date Made Active in Reports: 03/24/2020  
Number of Days to Update: 70

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 04/14/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Varies

### LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019  
Date Data Arrived at EDR: 01/15/2019  
Date Made Active in Reports: 03/07/2019  
Number of Days to Update: 51

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 04/02/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Varies

### LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019  
Date Data Arrived at EDR: 06/25/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 58

Source: Los Angeles Fire Department  
Telephone: 213-978-3800  
Last EDR Contact: 03/27/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 04/17/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: No Update Planned

## LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 03/27/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Varies

## LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 03/27/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Varies

## SITE MIT LOS ANGELES: Site Mitigation List

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

Date of Government Version: 12/31/2019	Source: Community Health Services
Date Data Arrived at EDR: 01/14/2020	Telephone: 323-890-7806
Date Made Active in Reports: 03/24/2020	Last EDR Contact: 04/14/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Annually

## UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 04/02/2020
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: No Update Planned

## UST LONG BEACH: City of Long Beach Underground Storage Tank

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

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 04/09/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank  
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/30/2019	Telephone: 310-618-2973
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 04/09/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

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

Date of Government Version: 02/24/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 02/25/2020	Telephone: 559-675-7823
Date Made Active in Reports: 05/07/2020	Last EDR Contact: 05/07/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites  
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 03/20/2020
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List  
CUPA facility list.

Date of Government Version: 11/18/2019	Source: Merced County Environmental Health
Date Data Arrived at EDR: 11/20/2019	Telephone: 209-381-1094
Date Made Active in Reports: 01/03/2020	Last EDR Contact: 05/06/2020
Number of Days to Update: 44	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List  
CUPA Facility List

Date of Government Version: 02/21/2020	Source: Mono County Health Department
Date Data Arrived at EDR: 03/05/2020	Telephone: 760-932-5580
Date Made Active in Reports: 05/13/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

MONTEREY COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 11/06/2019  
Date Data Arrived at EDR: 11/07/2019  
Date Made Active in Reports: 01/08/2020  
Number of Days to Update: 62

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 04/13/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Varies

## NAPA COUNTY:

### LUST NAPA: Sites With Reported Contamination

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

Date of Government Version: 01/09/2017  
Date Data Arrived at EDR: 01/11/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 50

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 05/15/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: No Update Planned

### UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019  
Date Data Arrived at EDR: 09/09/2019  
Date Made Active in Reports: 10/31/2019  
Number of Days to Update: 52

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 05/15/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 02/05/2020  
Date Data Arrived at EDR: 02/06/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 69

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 05/06/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Varies

## ORANGE COUNTY:

### IND\_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 70

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/04/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Annually

### LUST ORANGE: List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 70

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/04/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST ORANGE: List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 02/04/2020  
Date Made Active in Reports: 04/10/2020  
Number of Days to Update: 66

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/05/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## PLACER COUNTY:

### MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/02/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/13/2020  
Number of Days to Update: 71

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Semi-Annually

## PLUMAS COUNTY:

### CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

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

Source: Plumas County Environmental Health  
Telephone: 530-283-6355  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## RIVERSIDE COUNTY:

### LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/10/2020  
Date Data Arrived at EDR: 03/11/2020  
Date Made Active in Reports: 05/20/2020  
Number of Days to Update: 70

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 02/10/2020  
Next Scheduled EDR Contact: 06/29/2020  
Data Release Frequency: Quarterly

### UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 03/10/2020  
Date Data Arrived at EDR: 03/11/2020  
Date Made Active in Reports: 05/20/2020  
Number of Days to Update: 70

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 02/10/2020  
Next Scheduled EDR Contact: 06/29/2020  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### CS SACRAMENTO: Toxic Site Clean-Up List

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/14/2019  
Date Data Arrived at EDR: 12/23/2019  
Date Made Active in Reports: 02/20/2020  
Number of Days to Update: 59

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 03/31/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Quarterly

## ML SACRAMENTO: Master Hazardous Materials Facility List

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

Date of Government Version: 11/14/2019  
Date Data Arrived at EDR: 12/23/2019  
Date Made Active in Reports: 02/21/2020  
Number of Days to Update: 60

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 03/31/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Quarterly

## SAN BENITO COUNTY:

### CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 02/12/2020  
Date Data Arrived at EDR: 02/13/2020  
Date Made Active in Reports: 04/23/2020  
Number of Days to Update: 70

Source: San Benito County Environmental Health  
Telephone: N/A  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## SAN BERNARDINO COUNTY:

### PERMITS SAN BERNARDINO: Hazardous Material Permits

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

Date of Government Version: 02/25/2020  
Date Data Arrived at EDR: 02/26/2020  
Date Made Active in Reports: 05/07/2020  
Number of Days to Update: 71

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/02/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/13/2020  
Number of Days to Update: 71

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 06/02/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018  
Date Data Arrived at EDR: 04/24/2018  
Date Made Active in Reports: 06/19/2018  
Number of Days to Update: 56

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## SAN DIEGO CO LOP: Local Oversight Program Listing

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

Date of Government Version: 12/26/2019  
Date Data Arrived at EDR: 01/22/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 70

Source: Department of Environmental Health  
Telephone: 858-505-6874  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
Date Data Arrived at EDR: 06/15/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### LUST SAN FRANCISCO: Local Oversight Facilities

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

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: No Update Planned

### UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 01/08/2020  
Date Data Arrived at EDR: 01/09/2020  
Date Made Active in Reports: 03/06/2020  
Number of Days to Update: 57

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### UST SAN JOAQUIN: San Joaquin Co. UST

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

Date of Government Version: 06/22/2018  
Date Data Arrived at EDR: 06/26/2018  
Date Made Active in Reports: 07/11/2018  
Number of Days to Update: 15

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 03/12/2020  
Next Scheduled EDR Contact: 06/29/2020  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 02/18/2020  
Date Data Arrived at EDR: 02/20/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 64

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

### BI SAN MATEO: Business Inventory

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

Date of Government Version: 02/20/2020  
Date Data Arrived at EDR: 02/20/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 02/20/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Annually

### LUST SAN MATEO: Fuel Leak List

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

Date of Government Version: 03/29/2019  
Date Data Arrived at EDR: 03/29/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

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

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: No Update Planned

## SANTA CLARA COUNTY:

### CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 02/14/2020  
Date Data Arrived at EDR: 02/19/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 65

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

### HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014  
Date Data Arrived at EDR: 03/05/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 13

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 05/15/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: No Update Planned

## SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 04/22/2020  
Date Data Arrived at EDR: 04/24/2020  
Date Made Active in Reports: 05/07/2020  
Number of Days to Update: 13

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

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

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA SHASTA: CUPA Facility List

Cupa Facility List.

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

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## SOLANO COUNTY:

### LUST SOLANO: Leaking Underground Storage Tanks

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

Date of Government Version: 06/04/2019  
Date Data Arrived at EDR: 06/06/2019  
Date Made Active in Reports: 08/13/2019  
Number of Days to Update: 68

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 05/26/2020  
Next Scheduled EDR Contact: 09/13/2020  
Data Release Frequency: Quarterly

### UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/02/2020  
Date Data Arrived at EDR: 03/04/2020  
Date Made Active in Reports: 05/14/2020  
Number of Days to Update: 71

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 02/25/2020  
Date Data Arrived at EDR: 02/26/2020  
Date Made Active in Reports: 03/11/2020  
Number of Days to Update: 14

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 03/18/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Varies

## LUST SONOMA: Leaking Underground Storage Tank Sites

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

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/03/2020  
Date Made Active in Reports: 03/05/2020  
Number of Days to Update: 62

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 04/06/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Quarterly

## STANISLAUS COUNTY:

### CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/04/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 04/02/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Varies

## SUTTER COUNTY:

### UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/23/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/08/2020  
Number of Days to Update: 66

Source: Sutter County Environmental Health Services  
Telephone: 530-822-7500  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Semi-Annually

## TEHAMA COUNTY:

### CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 03/16/2020  
Date Data Arrived at EDR: 03/17/2020  
Date Made Active in Reports: 05/26/2020  
Number of Days to Update: 70

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 05/14/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## TRINITY COUNTY:

### CUPA TRINITY: CUPA Facility List Cupa facility list

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/21/2020  
Date Data Arrived at EDR: 01/23/2020  
Date Made Active in Reports: 03/30/2020  
Number of Days to Update: 67

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## TULARE COUNTY:

### CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 02/10/2020  
Date Data Arrived at EDR: 02/11/2020  
Date Made Active in Reports: 04/20/2020  
Number of Days to Update: 69

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 05/14/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## TUOLUMNE COUNTY:

### CUPA TUOLUMNE: CUPA Facility List Cupa facility list

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

Source: Divison of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## VENTURA COUNTY:

### BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

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

Date of Government Version: 12/26/2019  
Date Data Arrived at EDR: 01/24/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 68

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 04/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Quarterly

### LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

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

Date of Government Version: 12/01/2011  
Date Data Arrived at EDR: 12/01/2011  
Date Made Active in Reports: 01/19/2012  
Number of Days to Update: 49

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 03/20/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: No Update Planned

### LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

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

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 04/29/2020  
Next Scheduled EDR Contact: 08/24/2020  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MED WASTE VENTURA: Medical Waste Program List

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

Date of Government Version: 12/26/2019	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 01/24/2020	Telephone: 805-654-2813
Date Made Active in Reports: 04/01/2020	Last EDR Contact: 04/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

## UST VENTURA: Underground Tank Closed Sites List

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

Date of Government Version: 01/27/2020	Source: Environmental Health Division
Date Data Arrived at EDR: 03/10/2020	Telephone: 805-654-2813
Date Made Active in Reports: 05/20/2020	Last EDR Contact: 03/10/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 06/22/2020
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/12/2019	Source: Yolo County Department of Health
Date Data Arrived at EDR: 01/15/2020	Telephone: 530-666-8646
Date Made Active in Reports: 03/25/2020	Last EDR Contact: 03/20/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Annually

## YUBA COUNTY:

### CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 01/27/2020	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 02/12/2020	Telephone: 530-749-7523
Date Made Active in Reports: 04/23/2020	Last EDR Contact: 04/16/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 08/10/2020
	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: 01/30/2020	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 01/30/2020	Telephone: 860-424-3375
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 05/12/2020
Number of Days to Update: 39	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: No Update Planned



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 04/10/2019  
Date Made Active in Reports: 05/16/2019  
Number of Days to Update: 36

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 04/10/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Annually

## NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019  
Date Data Arrived at EDR: 05/01/2019  
Date Made Active in Reports: 06/21/2019  
Number of Days to Update: 51

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 04/29/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Quarterly

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

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

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 04/02/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 10/02/2019  
Date Made Active in Reports: 12/10/2019  
Number of Days to Update: 69

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 05/14/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 06/19/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 76

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/04/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

## Electric Power Transmission Line Data

Source: Endeavor Business Media

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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

### State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## **STREET AND ADDRESS INFORMATION**

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

### **TARGET PROPERTY ADDRESS**

PEDRICK ROAD PROPERTY  
8405 PEDRICK ROAD  
DIXON, CA 95620

### **TARGET PROPERTY COORDINATES**

Latitude (North):	38.475722 - 38° 28' 32.60"
Longitude (West):	121.808172 - 121° 48' 29.42"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	603964.1
UTM Y (Meters):	4259065.5
Elevation:	63 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5619702 DIXON, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

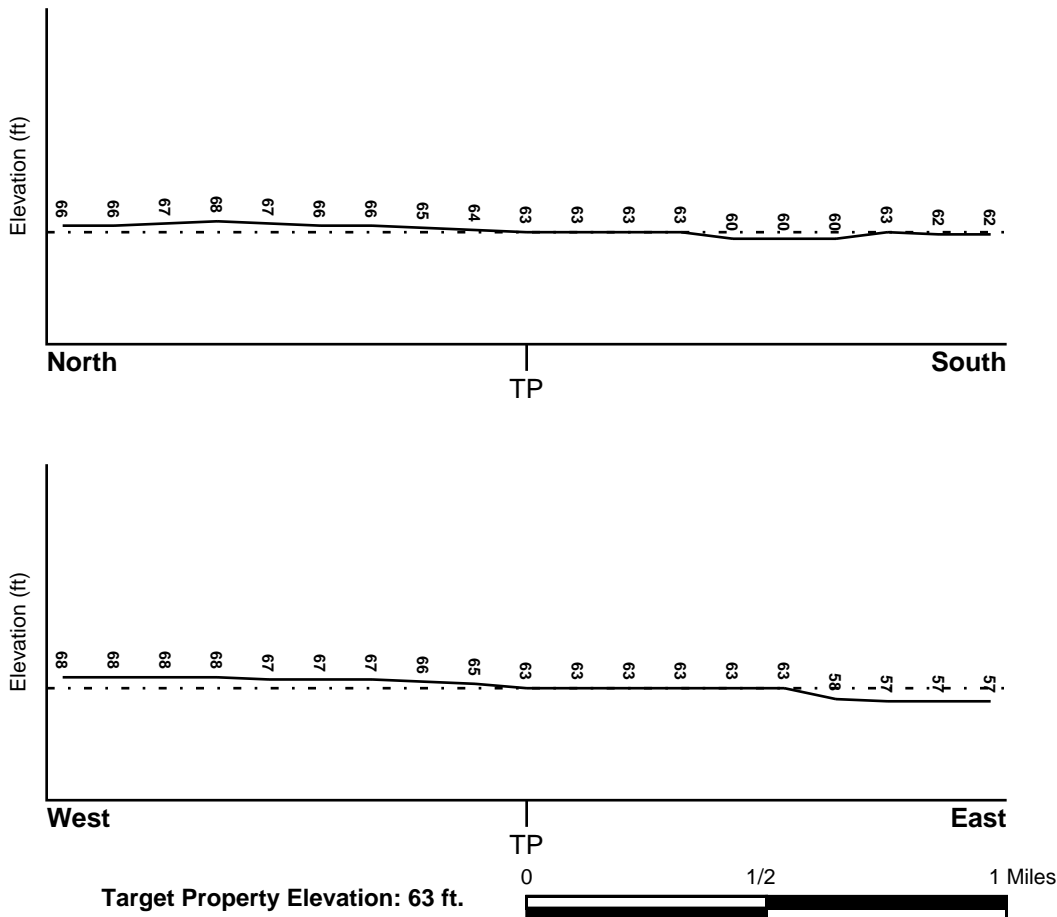
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

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

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

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06095C0200F	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
Not Reported	

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
DIXON	YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### ***Site-Specific Hydrogeological Data\*:***

Search Radius:	1.25 miles
Status:	Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
8	1/4 - 1/2 Mile NW	ESE
C10	1/2 - 1 Mile West	NE,SE
C11	1/2 - 1 Mile West	Varies
C12	1/2 - 1 Mile West	Varies
E20	1/2 - 1 Mile NNE	SE
E23	1/2 - 1 Mile NNE	SE
1G	1/2 - 1 Mile NNE	SE
2G	1/2 - 1 Mile NNE	SE

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
3G	1/4 - 1/2 Mile NW	ESE
4G	1/2 - 1 Mile West	NE,SE
5G	1/2 - 1 Mile West	Varies
6G	1/2 - 1 Mile West	Varies

For additional site information, refer to Physical Setting Source Map Findings.

## 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**

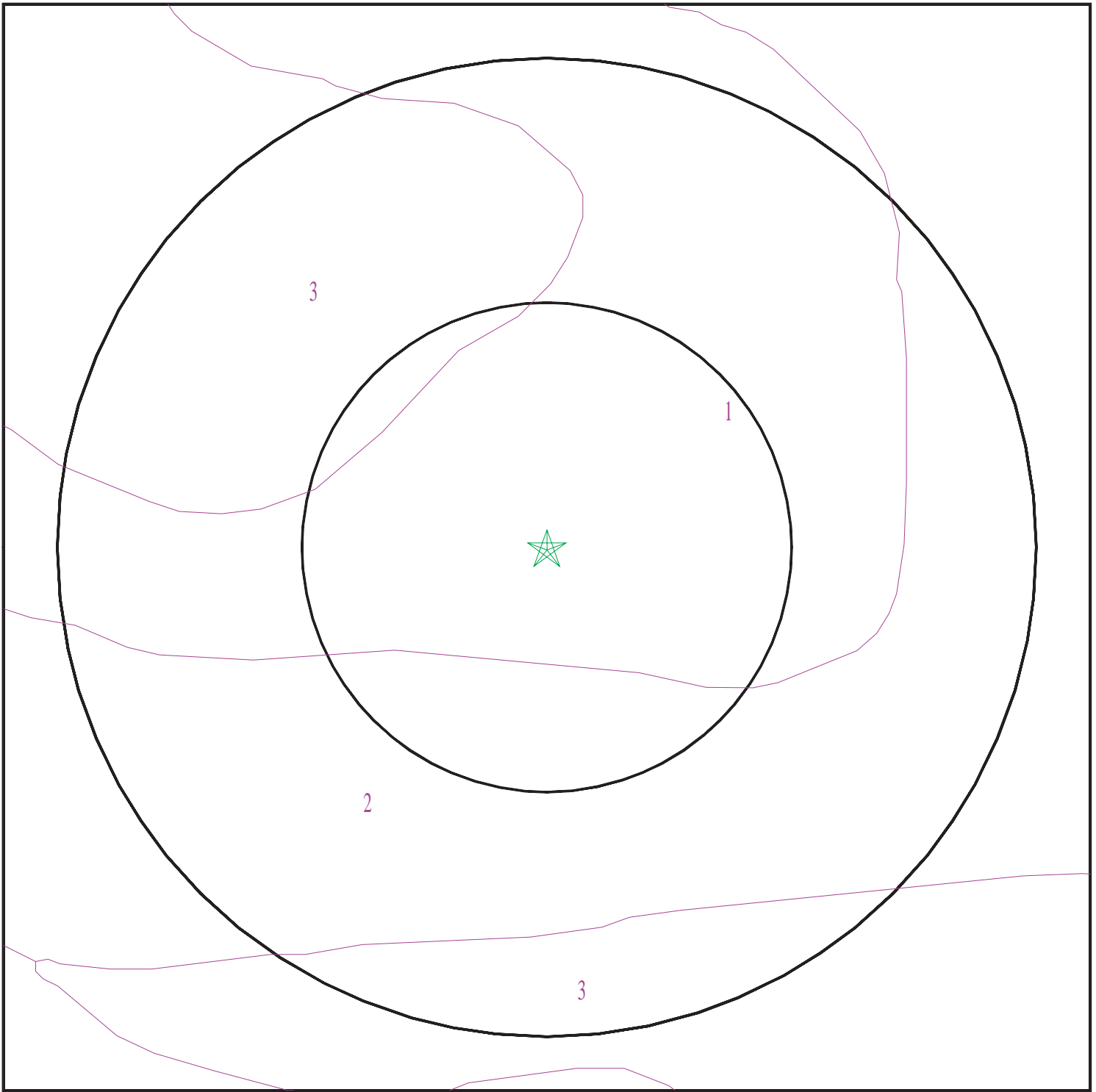
Era: Cenozoic  
System: Quaternary  
Series: Quaternary  
Code: Q (*decoded above as Era, System & Series*)

#### **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 - 6086870.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water

0 1/16 1/8 1/4 Miles



SITE NAME: Pedrick Road Property  
ADDRESS: 8405 Pedrick Road  
Dixon CA 95620  
LAT/LONG: 38.475722 / 121.808172

CLIENT: Brusca Associates, Inc.  
CONTACT: Joe Brusca  
INQUIRY #: 6086870.2s  
DATE: June 09, 2020 1:42 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: Brentwood

Soil Surface Texture: clay loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
2	5 inches	33 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6
3	33 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 2

Soil Component Name: Capay

Soil Surface Texture: silty clay loam

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

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	20 inches	50 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
3	50 inches	79 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

### Soil Map ID: 3

Soil Component Name: Yolo

Soil Surface Texture: silty clay loam

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

Soil Drainage Class: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	27 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 6.6
2	27 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 8.4 Min: 6.6

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
B3	USGS40000188511	1/4 - 1/2 Mile East
4	USGS40000188500	1/4 - 1/2 Mile ESE
7	USGS40000188476	1/4 - 1/2 Mile South
9	USGS40000188472	1/2 - 1 Mile SSW

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C13	USGS40000188512	1/2 - 1 Mile West
14	USGS40000188470	1/2 - 1 Mile SE
19	USGS40000188490	1/2 - 1 Mile WSW
22	USGS40000188569	1/2 - 1 Mile North

## 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

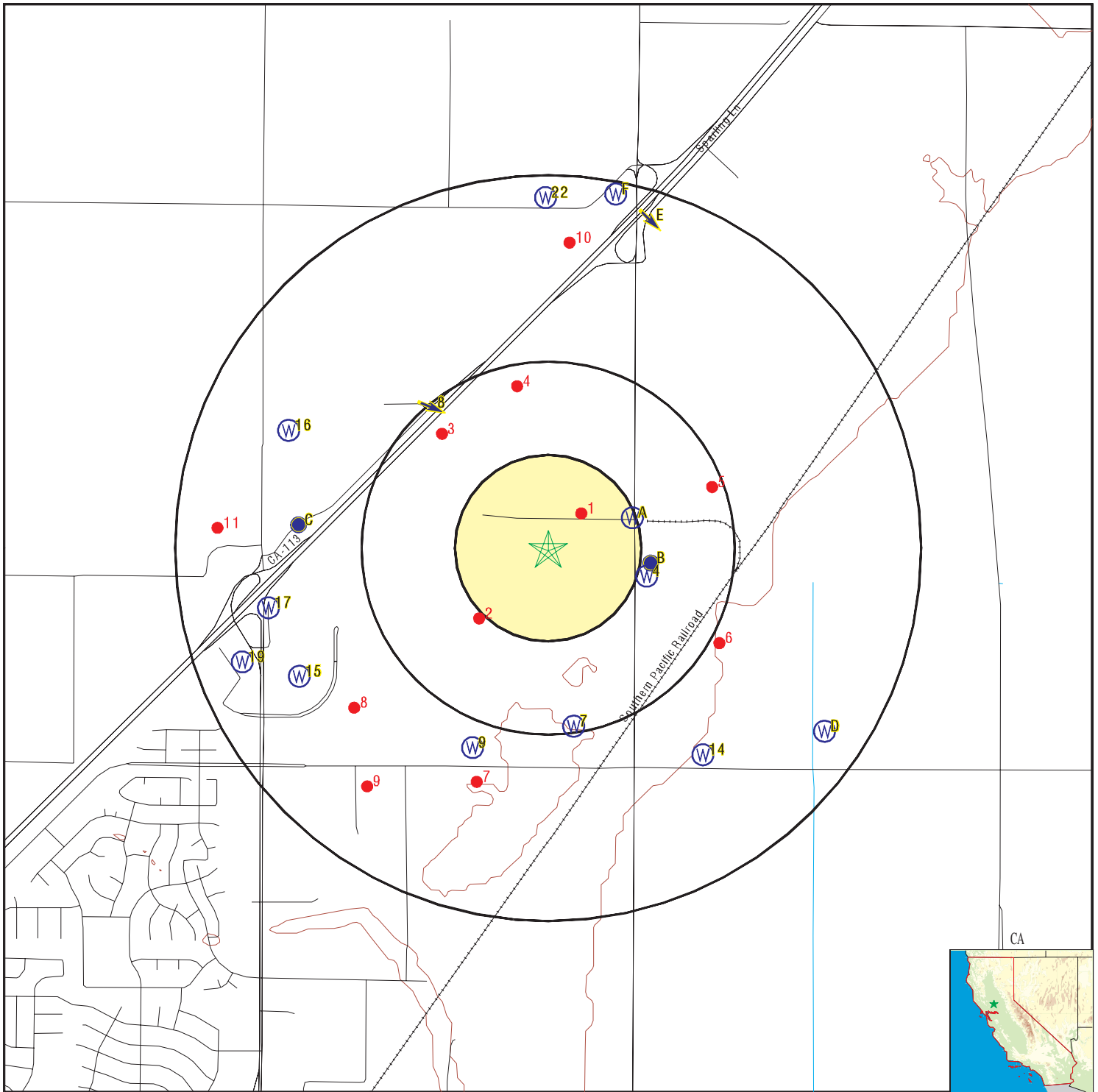
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	CADWR8000038122	1/8 - 1/4 Mile ENE
A2	CADWR8000038123	1/8 - 1/4 Mile ENE
B5	CADWR8000038118	1/4 - 1/2 Mile East
B6	CADWR8000038117	1/4 - 1/2 Mile ESE
15	7268	1/2 - 1 Mile WSW
16	CADWR8000038136	1/2 - 1 Mile WNW
17	CADWR8000038112	1/2 - 1 Mile WSW
D18	CADWR8000038098	1/2 - 1 Mile SE
D21	CADWR8000038102	1/2 - 1 Mile ESE
F24	20369	1/2 - 1 Mile North
F25	20351	1/2 - 1 Mile NNE

## OTHER STATE DATABASE INFORMATION

### STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CAOG13000083350	1/8 - 1/4 Mile NE
2	CAOG13000083351	1/4 - 1/2 Mile SW
3	CAOG13000009077	1/4 - 1/2 Mile NW
4	CAOG13000009050	1/4 - 1/2 Mile North
5	CAOG13000083347	1/4 - 1/2 Mile ENE
6	CAOG13000083346	1/2 - 1 Mile ESE
7	CAOG13000083348	1/2 - 1 Mile SSW
8	CAOG13000083349	1/2 - 1 Mile SW
9	CAOG13000083345	1/2 - 1 Mile SW
10	CAOG13000008944	1/2 - 1 Mile North
11	CAOG13000008782	1/2 - 1 Mile West

# PHYSICAL SETTING SOURCE MAP - 6086870.2s



- 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: Pedrick Road Property  
 ADDRESS: 8405 Pedrick Road  
 Dixon CA 95620  
 LAT/LONG: 38.475722 / 121.808172

CLIENT: Brusca Associates, Inc.  
 CONTACT: Joe Brusca  
 INQUIRY #: 6086870.2s  
 DATE: June 09, 2020 1:41 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A1**  
**ENE**  
**1/8 - 1/4 Mile**  
**Higher**

**CA WELLS      CADWR8000038122**

State Well #:	07N02E06N004M	Station ID:	52617
Well Name:	6N4	Well Use:	Other
Well Type:	Single Well	Well Depth:	0
Basin Name:	Solano	Well Completion Rpt #:	Not Reported

**A2**  
**ENE**  
**1/8 - 1/4 Mile**  
**Higher**

**CA WELLS      CADWR8000038123**

State Well #:	07N02E06N001M	Station ID:	52618
Well Name:	6N1	Well Use:	Other
Well Type:	Single Well	Well Depth:	0
Basin Name:	Solano	Well Completion Rpt #:	Not Reported

**B3**  
**East**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS40000188511**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N002E06N001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19741207	Well Depth:	385
Well Depth Units:	ft	Well Hole Depth:	425
Well Hole Depth Units:	ft		

Ground water levels, Number of Measurements:	2	Level reading date:	1979-11-08
Feet below surface:	61.7	Feet to sea level:	Not Reported
Note:	The site had been pumped recently.		

Level reading date:	1974-12-07	Feet below surface:	60.50
Feet to sea level:	Not Reported	Note:	Not Reported

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

**FED USGS      USGS40000188500**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N002E06N002M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system	Aquifer Type:	Not Reported
Formation Type:	Not Reported	Well Depth:	918
Construction Date:	19740314	Well Hole Depth:	1003
Well Depth Units:	ft		
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1974-03-14
Feet below surface:	44.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**B5  
East  
1/4 - 1/2 Mile  
Higher**

**CA WELLS      CADWR8000038118**

State Well #:	07N02E06N002M	Station ID:	5282
Well Name:	Not Reported	Well Use:	Industrial
Well Type:	Unknown	Well Depth:	918
Basin Name:	Solano	Well Completion Rpt #:	1231

**B6  
ESE  
1/4 - 1/2 Mile  
Higher**

**CA WELLS      CADWR8000038117**

State Well #:	07N02E06N003M	Station ID:	5283
Well Name:	07N02E06N003M	Well Use:	Industrial
Well Type:	Single Well	Well Depth:	980
Basin Name:	Solano	Well Completion Rpt #:	Not Reported

**7  
South  
1/4 - 1/2 Mile  
Higher**

**FED USGS      USGS40000188476**

Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	18020109
Monitor Location:	007N001E12H001M	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Drainage Area:	Not Reported	Aquifer Type:	Not Reported
Contrib Drainage Area:	Not Reported	Well Depth:	208
Aquifer:	Central Valley aquifer system	Well Hole Depth:	329
Formation Type:	Alluvial Fan Deposits		
Construction Date:	19670921		
Well Depth Units:	ft		
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1979-12-18
Feet below surface:	33.05	Feet to sea level:	Not Reported
Note:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

<b>8</b> <b>NW</b> <b>1/4 - 1/2 Mile</b> <b>Higher</b>	Site ID:	Not Reported		
	Groundwater Flow:	ESE	<b>AQUIFLOW</b>	<b>53161</b>
	Shallow Water Depth:	22.23		
	Deep Water Depth:	34.10		
	Average Water Depth:	Not Reported		
	Date:	02/05/1993		

<b>9</b> <b>SSW</b> <b>1/2 - 1 Mile</b> <b>Higher</b>			<b>FED USGS</b>	<b>USGS40000188472</b>
--	--	--	-----------------	------------------------

Organization ID:	USGS-CA			
Organization Name:	USGS California Water Science Center			
Monitor Location:	007N001E12G003M	Type:	Well	
Description:	Not Reported	HUC:	18020109	
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported	
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported	
Aquifer:	Central Valley aquifer system			
Formation Type:	Not Reported	Aquifer Type:	Not Reported	
Construction Date:	19671012	Well Depth:	130	
Well Depth Units:	ft	Well Hole Depth:	156	
Well Hole Depth Units:	ft			

<b>C10</b> <b>West</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID:	Not Reported		
	Groundwater Flow:	NE,SE	<b>AQUIFLOW</b>	<b>53182</b>
	Shallow Water Depth:	19.41		
	Deep Water Depth:	28.35		
	Average Water Depth:	Not Reported		
	Date:	01/09/1990		

<b>C11</b> <b>West</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID:	Not Reported		
	Groundwater Flow:	Varies	<b>AQUIFLOW</b>	<b>53156</b>
	Shallow Water Depth:	19.4		
	Deep Water Depth:	21.5		
	Average Water Depth:	Not Reported		
	Date:	05/10/1994		

<b>C12</b> <b>West</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID:	Not Reported		
	Groundwater Flow:	Varies	<b>AQUIFLOW</b>	<b>53062</b>
	Shallow Water Depth:	19.4		
	Deep Water Depth:	21.9		
	Average Water Depth:	Not Reported		
	Date:	05/10/1994		

<b>C13</b> <b>West</b> <b>1/2 - 1 Mile</b> <b>Higher</b>			<b>FED USGS</b>	<b>USGS40000188512</b>
---	--	--	-----------------	------------------------

Organization ID:	USGS-CA			
Organization Name:	USGS California Water Science Center			
Monitor Location:	007N001E01N003M	Type:	Well	



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19600520	Well Depth:	290
Well Depth Units:	ft	Well Hole Depth:	297
Well Hole Depth Units:	ft		

**14**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS    USGS40000188470**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N002E07E001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19590522	Well Depth:	214
Well Depth Units:	ft	Well Hole Depth:	214
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	1	Level reading date:	1959-05-22
Feet below surface:	85.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**15**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS    7268**

Seq:	7268	Prim sta c:	07N/01E-12D01 M
Frds no:	4800517001	County:	48
District:	04	User id:	ENG
System no:	4800517	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	382815.0	Longitude:	1214910.0
Precision:	3	Status:	AR
Comment 1:	HWY 80 AND FIRST ST. DIXON	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	4800517	System nam:	Dixon Livestock Auction
Hqname:	Not Reported	Address:	P.O. Box 967
City:	Dixon	State:	CA
Zip:	95620	Zip ext:	Not Reported
Pop serv:	100	Connection:	1
Area serve:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**16**  
**WNW**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADWR8000038136**

State Well #:	07N01E01M002M	Station ID:	7375
Well Name:	Not Reported	Well Use:	Irrigation
Well Type:	Unknown	Well Depth:	153
Basin Name:	Solano	Well Completion Rpt #:	DWR

**17**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      CADWR8000038112**

State Well #:	07N01E12G001M	Station ID:	49217
Well Name:	SID DW-8	Well Use:	Irrigation
Well Type:	Single Well	Well Depth:	105
Basin Name:	Solano	Well Completion Rpt #:	Not Reported

**D18**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS      CADWR8000038098**

State Well #:	07N02E07G003M	Station ID:	5285
Well Name:	Not Reported	Well Use:	Irrigation
Well Type:	Unknown	Well Depth:	0
Basin Name:	Solano	Well Completion Rpt #:	Not Reported

**19**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40000188490**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	007N001E11A001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19730901	Well Depth:	121
Well Depth Units:	ft	Well Hole Depth:	121
Well Hole Depth Units:	ft		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

<b>E20</b> <b>NNE</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Not Reported		
	Groundwater Flow: SE	<b>AQUIFLOW</b>	<b>53184</b>
	Shallow Water Depth: 25		
	Deep Water Depth: 33		
	Average Water Depth: Not Reported		
	Date: 06/23/1994		

<b>D21</b> <b>ESE</b> <b>1/2 - 1 Mile</b> <b>Lower</b>		<b>CA WELLS</b>	<b>CADWR8000038102</b>
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State Well #:	07N02E07G001M	Station ID:	5284
Well Name:	Not Reported	Well Use:	Irrigation
Well Type:	Unknown	Well Depth:	169
Basin Name:	Solano	Well Completion Rpt #:	Not Reported

<b>22</b> <b>North</b> <b>1/2 - 1 Mile</b> <b>Higher</b>		<b>FED USGS</b>	<b>USGS40000188569</b>
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Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	008N001E36Q001M	Type:	Well
Description:	Not Reported	HUC:	18020109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19640827	Well Depth:	260
Well Depth Units:	ft	Well Hole Depth:	481
Well Hole Depth Units:	ft		

<b>E23</b> <b>NNE</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	Site ID: Not Reported		
	Groundwater Flow: SE	<b>AQUIFLOW</b>	<b>53060</b>
	Shallow Water Depth: 18		
	Deep Water Depth: 35		
	Average Water Depth: Not Reported		
	Date: 07/28/1998		

<b>F24</b> <b>North</b> <b>1/2 - 1 Mile</b> <b>Higher</b>		<b>CA WELLS</b>	<b>20369</b>
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Seq:	20369	Prim sta c:	4800818-001
Frds no:	4800818001	County:	48
District:	04	User id:	ENG
System no:	4800818	Water type:	G
Source nam:	WELL 01 - TREATED	Station ty:	WELL/AMBNT
Latitude:	382922.9	Longitude:	1214815.9
Precision:	3	Status:	AT

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Comment 1: Not Reported  
 Comment 3: Not Reported  
 Comment 5: Not Reported  
 Comment 7: Not Reported

Comment 2: Not Reported  
 Comment 4: Not Reported  
 Comment 6: Not Reported

System no: 4800818  
 Hqname: Not Reported  
 City: Not Reported  
 Zip: Not Reported  
 Pop serv: 0  
 Area serve: Not Reported

System nam: Pedrick Produce  
 Address: Not Reported  
 State: Not Reported  
 Zip ext: Not Reported  
 Connection: 0

**F25  
 NNE  
 1/2 - 1 Mile  
 Higher**

**CA WELLS    20351**

Seq: 20351  
 Frds no: 4800732001  
 District: 04  
 System no: 4800732  
 Source nam: WELL 01  
 Latitude: 382923.5  
 Precision: 3  
 Comment 1: Not Reported  
 Comment 3: Not Reported  
 Comment 5: Not Reported  
 Comment 7: Not Reported

Prim sta c: 4800732-001  
 County: 48  
 User id: ENG  
 Water type: G  
 Station ty: WELL/AMBNT  
 Longitude: 1214812.6  
 Status: AU  
 Comment 2: Not Reported  
 Comment 4: Not Reported  
 Comment 6: Not Reported

System no: 4800732  
 Hqname: Not Reported  
 City: Not Reported  
 Zip: Not Reported  
 Pop serv: 0  
 Area serve: Not Reported

System nam: Bp Service Station  
 Address: Not Reported  
 State: Not Reported  
 Zip ext: Not Reported  
 Connection: 0

Sample date: 07-MAR-18  
 Chemical: NITRATE (AS N)  
 Dir: 0.4

Finding: 27.  
 Report units: MG/L

Sample date: 01-FEB-18  
 Chemical: NITRATE (AS N)  
 Dir: 0.4

Finding: 27.  
 Report units: MG/L

Sample date: 04-JAN-18  
 Chemical: NITRATE (AS N)  
 Dir: 0.4

Finding: 26.  
 Report units: MG/L

Sample date: 07-DEC-17  
 Chemical: NITRATE (AS N)  
 Dir: 0.4

Finding: 24.  
 Report units: MG/L

Sample date: 02-NOV-17  
 Chemical: NITRATE (AS N)  
 Dir: 0.4

Finding: 25.  
 Report units: MG/L

Sample date: 03-OCT-17  
 Chemical: NITRATE (AS N)  
 Dir: 0.4

Finding: 22.  
 Report units: MG/L

Sample date: 06-SEP-17

Finding: 23.

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-AUG-17	Finding:	20.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	06-JUL-17	Finding:	18.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-JUN-17	Finding:	21.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-MAY-17	Finding:	19.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-APR-17	Finding:	18.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	06-MAR-17	Finding:	17.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	06-FEB-17	Finding:	22.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	04-JAN-17	Finding:	22.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	06-DEC-16	Finding:	22.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	08-NOV-16	Finding:	23.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	05-OCT-16	Finding:	23.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	07-SEP-16	Finding:	21.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-AUG-16	Finding:	20.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	07-JUL-16	Finding:	20.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	06-JUN-16	Finding:	18.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	01-APR-16	Finding:	17.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-MAR-16	Finding:	18.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-FEB-16	Finding:	18.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-FEB-16	Finding:	18.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	07-JAN-16	Finding:	18.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-DEC-15	Finding:	18.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-OCT-15	Finding:	69.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-SEP-15	Finding:	65.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-AUG-15	Finding:	72.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-JUL-15	Finding:	31.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-APR-15	Finding:	60.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-MAR-15	Finding:	67.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-FEB-15	Finding:	66.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-JAN-15	Finding:	66.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-DEC-14	Finding:	74.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-NOV-14	Finding:	71.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.		
Sample date:	03-OCT-14	Finding:	71.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-SEP-14	Finding:	70.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-AUG-14	Finding:	68.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	29-JUL-14	Finding:	66.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	24-JUL-14	Finding:	65.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	17-JUL-14	Finding:	66.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-JUL-14	Finding:	65.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-JUL-14	Finding:	60.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-JUN-14	Finding:	68.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	01-MAY-14	Finding:	63.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-APR-14	Finding:	73.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-MAR-14	Finding:	72.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-FEB-14	Finding:	70.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-JAN-14	Finding:	74.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-DEC-13	Finding:	76.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	20-NOV-13	Finding:	78.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-OCT-13	Finding:	72.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	16-SEP-13	Finding:	78.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	22-AUG-13	Finding:	77.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	20-JUN-13	Finding:	77.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	25-APR-13	Finding:	77.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	19-MAR-13	Finding:	71.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	22-FEB-13	Finding:	67.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-JAN-13	Finding:	67.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-DEC-12	Finding:	59.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	15-NOV-12	Finding:	69.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	29-OCT-12	Finding:	67.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-SEP-12	Finding:	65.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-AUG-12	Finding:	73.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	30-JUL-12	Finding:	8.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-JUL-12	Finding:	70.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir: 2.

Sample date: 31-MAY-12  
 Chemical: NITRATE (AS NO3)  
 Dir: 2.

Finding: 73.  
 Report units: MG/L

<b>1G NNE 1/2 - 1 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>53060</b>
	Groundwater Flow:	SE		
	Shallow Water Depth:	18		
	Deep Water Depth:	35		
	Average Water Depth:	Not Reported		
	Date:	07/28/1998		

<b>2G NNE 1/2 - 1 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>53184</b>
	Groundwater Flow:	SE		
	Shallow Water Depth:	25		
	Deep Water Depth:	33		
	Average Water Depth:	Not Reported		
	Date:	06/23/1994		

<b>3G NW 1/4 - 1/2 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>53161</b>
	Groundwater Flow:	ESE		
	Shallow Water Depth:	22.23		
	Deep Water Depth:	34.10		
	Average Water Depth:	Not Reported		
	Date:	02/05/1993		

<b>4G West 1/2 - 1 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>53182</b>
	Groundwater Flow:	NE,SE		
	Shallow Water Depth:	19.41		
	Deep Water Depth:	28.35		
	Average Water Depth:	Not Reported		
	Date:	01/09/1990		

<b>5G West 1/2 - 1 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>53156</b>
	Groundwater Flow:	Varies		
	Shallow Water Depth:	19.4		
	Deep Water Depth:	21.5		
	Average Water Depth:	Not Reported		
	Date:	05/10/1994		

<b>6G West 1/2 - 1 Mile Lower</b>	Site ID:	Not Reported	<b>AQUIFLOW</b>	<b>53062</b>
	Groundwater Flow:	Varies		
	Shallow Water Depth:	19.4		
	Deep Water Depth:	21.9		
	Average Water Depth:	Not Reported		
	Date:	05/10/1994		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database      EDR ID Number

**1**

**NE**  
**1/8 - 1/4 Mile**

**OIL\_GAS      CAOG13000083350**

API #:	0409520813	Well #:	1
Well Status:	Plugged	Well Type:	GAS
Operator Name:	H. T. Hilliard & Co.	Lease Name:	Rendall
Field Name:	Dixon, East, Gas (ABD)	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	11/28/1987

**2**

**SW**  
**1/4 - 1/2 Mile**

**OIL\_GAS      CAOG13000083351**

API #:	0409520984	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Two Bay Petroleum	Lease Name:	Vaughn
Field Name:	Dixon, East, Gas (ABD)	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	08/31/1994

**3**

**NW**  
**1/4 - 1/2 Mile**

**OIL\_GAS      CAOG13000009077**

API #:	0409520988	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Two Bay Petroleum	Lease Name:	E. Dixon Unit 1
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	11/05/1994

**4**

**North**  
**1/4 - 1/2 Mile**

**OIL\_GAS      CAOG13000009050**

API #:	0409520834	Well #:	1-1
Well Status:	Plugged	Well Type:	DH
Operator Name:	H. T. Hilliard & Co.	Lease Name:	Sparling
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	09/08/1988

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**5**

**ENE**

**1/4 - 1/2 Mile**

**OIL\_GAS**

**CAOG13000083347**

API #:	0409500394	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Exxon Mobil Corporation	Lease Name:	Mary M. Collier
Field Name:	Dixon, East, Gas (ABD)	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	04/27/1960

**6**

**ESE**

**1/2 - 1 Mile**

**OIL\_GAS**

**CAOG13000083346**

API #:	0409520388	Well #:	1
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Coastal Oil and Gas Corporation	Field Name:	Dixon, East, Gas (ABD)
Lease Name:	E. Dixon	GIS Source:	hud
Area Name:	Any Area	Directionally Drilled:	N
Confidential Well:	N		
SPUD Date:	04/09/1979		

**7**

**SSW**

**1/2 - 1 Mile**

**OIL\_GAS**

**CAOG13000083348**

API #:	0409520761	Well #:	1
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Robert Sumpf	Lease Name:	Nishikawa
Field Name:	Dixon, East, Gas (ABD)	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	07/02/1986

**8**

**SW**

**1/2 - 1 Mile**

**OIL\_GAS**

**CAOG13000083349**

API #:	0409520768	Well #:	1
Well Status:	Plugged	Well Type:	GAS
Operator Name:	Robert Sumpf	Lease Name:	Vaughn
Field Name:	Dixon, East, Gas (ABD)	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	08/27/1986

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**9**  
**SW**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG13000083345**

API #:	0409520587	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Hilliard Oil & Gas, Inc.	Lease Name:	Nishikawa Unit
Field Name:	Dixon, East, Gas (ABD)	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	12/01/1982

**10**  
**North**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG13000008944**

API #:	0409520332	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Sparling
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	12/12/1976

**11**  
**West**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG13000008782**

API #:	0409500376	Well #:	1
Well Status:	Plugged	Well Type:	DH
Operator Name:	Chevron U.S.A. Inc.	Lease Name:	Gill Unit
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	09/17/1959

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95620	5	0

Federal EPA Radon Zone for SOLANO County: 3

- 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 SOLANO COUNTY, CA

Number of sites tested: 41

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.993 pCi/L	95%	5%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	-0.433 pCi/L	100%	0%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

### State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

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

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

#### California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

#### California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

#### California Earthquake Fault Lines

Source: California Division of Mines and Geology

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

### RADON

#### State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

### STREET AND ADDRESS INFORMATION

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## **APPENDIX E – Additional Information**

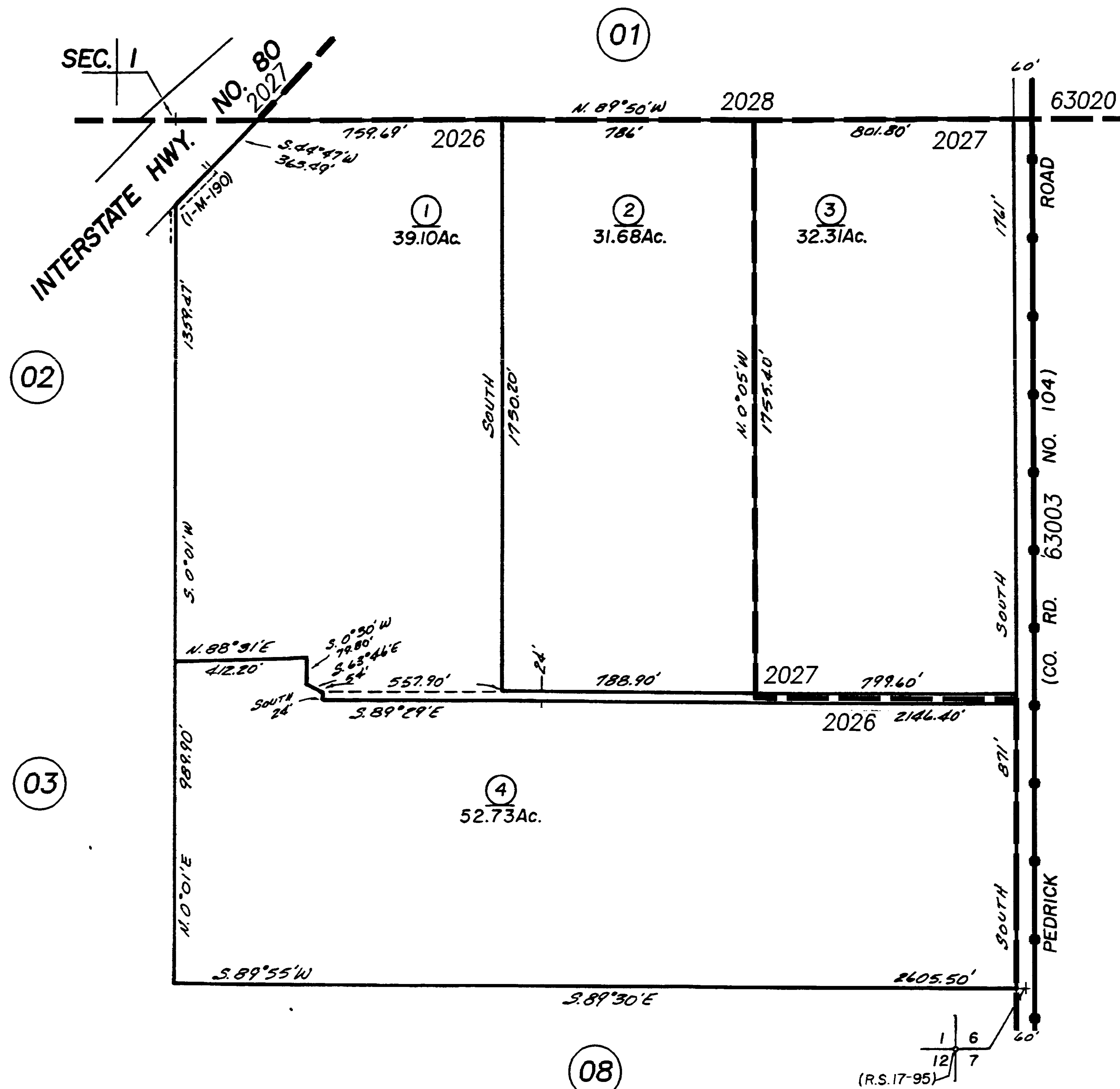
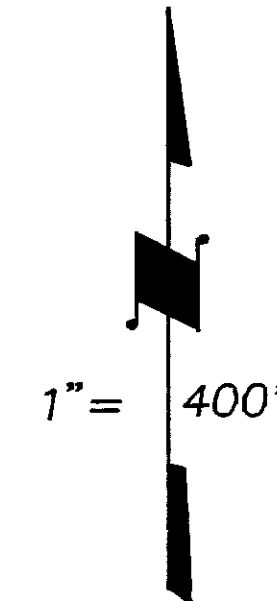
---

- Assessor's Parcel Map
- Past/Concurrent Reports and Agency Correspondence

POR. S.E. 1/4 SEC. 1, T.7N., R.1.E., M.D.B. & M.

Tax Area Code  
2026  
2027

111-04



NOTE: This map is for assessment purposes only and is not for the intent of interpreting legal boundary rights, zoning regulations and/or legality of land division laws.

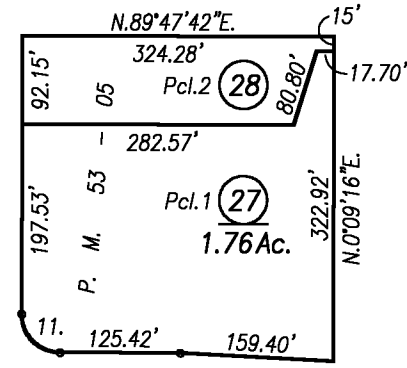
CITY OF DIXON  
Assessor's Map Bk. 111 Pg. 04  
County of Solano, Calif.

REVISION	DATE	BY
SBE 97-003	10-4-96	Pd
R.S. 17-95	12-4-85	DJ

NOTE: Assessor's Block Numbers Shown in Ellipses  
Assessor's Parcel Numbers Shown in Circles

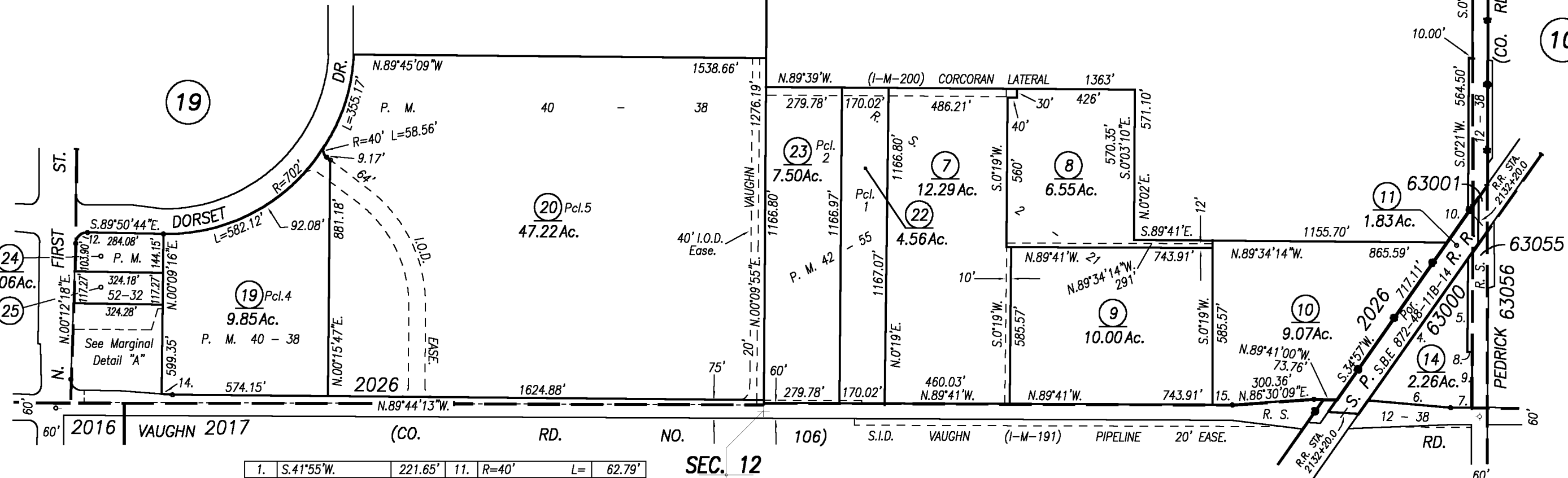
97 98

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MARGINAL DETAIL "A"  
SCALE: 1"=200'

Bk.  
108



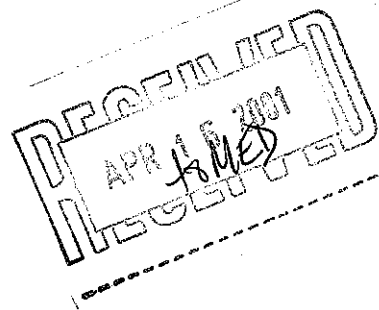
1.	S.41°55'W.	221.65'	11.	R=40'	L=	62.79'
2.	S.35°33'51"W.	77.51'	12.	R=40'	L=	62.80'
3.	S.21°12'40"W.	97.37'	13.			
4.	N.34°56'09"E.	629.78'	14.	N.86°52'28"W.		40.84'
5.	N.0°15'46"E.	332.54'	15.	N.86°41'00"W.		86.14'
6.	N.85°52'09"W.	298.36'	16.	N.00°06'00"E.		157.79'
7.	S.89°41'E.	70.00'	17.			
8.	N.89°44'14"W.	10.00'	18.			
9.	N.0°15'46"E.	204.72'	19.			
10.	S.34°57'00"W.	119.80'	20.			

SEC. 12

080-27,28 (Pm)	11-21-19	Cr
080-24,25,&26(Pm)	6-11-18	DV
Adj. Pg. 20	11-7-06	JS
Map Maint.	8-28-04	JS
REVISION	DATE	BY

NOTE: This map is for assessment purposes only. It is not intended to define legal boundary rights or imply compliance with land division laws.

CITY OF DIXON  
Assessor's Map Bk. 111 Pg. 08  
County of Solano, Calif.



**PRIVILEGED & CONFIDENTIAL**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT &  
OPERATIONAL COMPLIANCE REVIEW**

**MISTLER & VAUGHN AGRICULTURAL FACILITY  
8405 PEDRICK ROAD  
DIXON, CALIFORNIA**

Prepared For:

**MAGNA ENTERTAINMENT CORPORATION**

Mr. Scott Daruty  
285 W. Huntington Drive  
Arcadia, California 91007

Prepared by:

**AMEC Earth & Environmental**  
980 Lincoln Avenue, Suite 200  
San Rafael, California 94901

April 11, 2001

**PRIVILEGED & CONFIDENTIAL**  
**PHASE I ENVIRONMENTAL SITE ASSESSMENT &**  
**OPERATIONAL COMPLIANCE REVIEW**

**MISTLER & VAUGHN AGRICULTURAL FACILITY**  
**8405 PEDRICK ROAD**  
**DIXON, CALIFORNIA 95620**



Ryan L. Van Pelt  
Principal Investigator

Reviewed by:



Richard G. Sturm, R.G.  
Senior Hydrologist

### EXECUTIVE SUMMARY

PROJECT INFORMATION			
AMEC Project #	1-61M-10856-0	AMEC / Client Site #	Not Applicable (N / A)
Client Name	Magna Entertainment Corporation		
Site Occupant / Name	Mistler & Vaughn Agricultural Facility		
Site Address	8405 Pedrick Road, Dixon, California		
AMEC Site Assessor	Ryan Van Pelt	AMEC Office Location	San Rafael, CA
Date of Site Reconnaissance	March 27, 2001	Full Access Obtained	No
SITE INFORMATION			
Existing Land Use Type	Agricultural	Type of Manufacturing	N / A
Facility is Leased / Owned	Owned	Primary On-site Activity	Irrigated crops - wheat and tomatoes
Multi-tenant / Single Occupant	Multi-tenant	Number of Tenants	At least 5
Date Site First Developed	Early 1900's	Site Area	~ 225 acres
Number of Buildings	~ 6 Not Including 4 Trailers	Building Footprint Area (ft <sup>2</sup> ) 1) Red Feed Barn 2) Hay Barn 3) Wood House 4) Pump/Well House 5) Equipment Repair Garage 6) Wood Storage Shed	~ 1,500 ~ 5,000 ~ 1,100 ~ 1,200 ~ 5,000 ~ 120
Number of Stories	1 (Red Feed Barn) 1 (Hay Barn) 1 (Wood House) 2 (Well/Pump - House) 1 storage shed 2 (Equipment - Repair Garage)	Total Building Area (ft <sup>2</sup> )	13,920
Date Buildings Constructed	Early 1900's  1973	Date Buildings Renovated	Unknown - No renovations identified
Red Feed Barn, Wood House, Pump/Well House, Equipment Repair Garage, Hay Barn			
Basement / U/G Parking	No	Number of Levels U/G	None
% Site Covered by Buildings	~ 1-2 %	% Site Covered by Basement	0%
Water Source	Private Well	Heating Source	Electric in house

### EXECUTIVE SUMMARY (Cont'd)

<b>PROJECT INFORMATION</b>			
<i>Sewers</i>	Private Septic Tank System	<i>Electrical Source</i>	Pacific Gas & Electric
<i>Transformer On-site</i>	Yes (~ 2)	<i>Electrical Generator On-site</i>	Yes
<i>Groundwater Wells in Area</i>	Yes	<i>Inferred Groundwater Flow Direction</i>	Southeast
<i>Depth to Groundwater</i>	~ 15 feet	<i>Groundwater Use</i>	Domestic
<i>Nearest Surface Water Body (direction / distance / type)</i>	Dickson Creek – Approximately 1¼ mile to the south, flow appears to be seasonal		
<i>Previous Environmental Reports Available</i>	None supplied or identified		

**EXECUTIVE SUMMARY (Cont'd)**

<b>ON-SITE ISSUES</b>			
<i>Current ASTs</i>	Yes	<i>Former ASTs</i>	Yes
<i>Current USTs</i>	No	<i>Former USTs</i>	None Identified
<i>Current Dry Cleaners</i>	No	<i>Former Dry Cleaners</i>	None Identified
<i>Current Gas Station</i>	No	<i>Former Gas Station</i>	None Identified
<i>Known / Suspected Soil Impact</i>	Yes	<i>Known / Suspected Groundwater Impact</i>	Suspected near diesel AST
<i>Evidence of Spills or Release</i>	Yes	<i>Type of Spill or Release</i>	Waste oil, diesel, gasoline, hydraulic fluid
<i>Known / Suspected ACMs</i>	Yes	<i>Known / Suspected LBPs</i>	Yes
<i>Known / Suspected Methane</i>	No	<i>Known / Suspected ODSs</i>	No
<i>Known / Suspected PCBs</i>	No	<i>Known / Suspected Pesticides and Herbicides</i>	Yes
<i>Known / Suspected Radioactive Materials</i>	No	<i>Known / Suspected Radon</i>	No
<i>Known / Suspected Soil Fill</i>	Yes	<i>Water Permits Required</i>	Irrigation water supplied by Solano Irrigation District
<i>Air Permit Required</i>	No	<i>Hazardous Wastes Generated</i>	No
<i>Chemicals Used</i>	Yes	<i>List of Liquid Wastes Generated</i>	Waste oil, hydraulic fluid, antifreeze
<i>List of Solid/Regulated Wastes Generated</i>	Domestic trash and farm garbage, cardboard, paper, grease, glass, plastic, building materials, farm equipment batteries, farm animal manure.		



**EXECUTIVE SUMMARY (Cont'd)**

<b>OFF-SITE ISSUES (WITHIN 500 FEET)</b>			
<i>Current / Former USTs</i>	<i>No</i>		
<i>Known Soil Impact</i>	<i>No</i>		
<i>Evidence of Spills or Releases</i>	<i>No</i>		
<b>COMPLIANCE ISSUES</b>			
<i>Air Permit Required</i>	<i>No</i>	<i>Hazardous Waste Status</i>	<i>None</i>
<i>Title V Permit Required</i>	<i>No</i>	<i>311 / 312 Requirements</i>	<i>No</i>
<i>Wastewater Permit Required</i>	<i>No</i>	<i>313 / Form R Requirements</i>	<i>No</i>
<i>Stormwater Permit Required</i>	<i>No</i>	<i>Section 112r Requirements</i>	<i>No</i>
<i>Type of Stormwater Permit</i>	<i>None</i>	<i>Spill Prevention Required</i>	<i>No</i>
		<i>Spill Prevention Control and Countermeasure Plan Required</i>	<i>No</i>

### EXECUTIVE SUMMARY (Cont'd)

SUMMARY	
<ul style="list-style-type: none"><li>• AMEC observed surface staining in areas where chemicals, gas, and waste oils may have impacted the subsurface due to improper storage or transport. These areas include ASTs, drums, and various gasoline or oil leaking equipment in the Mistler farm equipment yard located at 6405 Pedrick Road. AMEC did not observe any spill protection in any of the chemical storage areas on Site.</li><li>• Light surface staining was observed below six ASTs located near the entrance to the Mistler farm equipment storage yard.</li><li>• Heavy surface staining was observed below diesel AST (approximately 10,000 gallon capacity). AST is located in the central part of the Mistler farm equipment storage yard; according to site owner, a monitoring well was installed near the AST at one time. No monitoring well was observed at the time of the site visit.</li><li>• Several areas of abandoned trucks and broken down farm equipment are located on-Site;</li><li>• SACM identified at the Site included brake pads from old and abandoned trucks, miscellaneous building materials found in <u>small domestic landfill area</u>, and wallboard in the equipment repair garage. In addition, the age of the buildings (pre-1978) suggests that LBP may be present. If renovation or demolition of the building are planned, the potential presence of ACM and LBP should be considered. ACM generally require removal by a certified asbestos abatement contractor prior to any renovation or demolition activities. The potential presence of LBP should be communicated to construction contractors so they may provide proper work protection for their employees.</li><li>• A small domestic landfill area (approximately 20 feet by 100 feet) containing various building materials and domestic trash, including some automotive parts (batteries, cables, wires, etc..) is present at the Site.</li></ul>	

### EXECUTIVE SUMMARY (Cont'd)

RECOMMENDATIONS	
<ul style="list-style-type: none"><li>• AMEC anticipates shallow surface soil contamination near the large 10,000 gallon AST, near the six smaller ASTs located near the entrance to the Mistler farm equipment yard, and near the small domestic landfill area. AMEC recommends conducting a limited Phase II ESA including soil and groundwater sampling and analyses to investigate identified on-site sources of potential contamination.</li></ul>	<p>Yes</p>
<ul style="list-style-type: none"><li>• If petroleum hydrocarbons are detected in Site groundwater, a regulatory file review of adjacent facilities with documented contamination, particularly the upgradient Morgan's Fruit Stand site with a reported petroleum leak, is recommended.</li></ul>	<p>- So groundwater</p>
<ul style="list-style-type: none"><li>• All existing ASTs, drums and containers of chemicals observed on the Mistler farm equipment yard should be disposed of off-Site at a suitable waste disposal facility. Sampling of the contents may be required prior to disposal.</li></ul>	<p>done by owner or we will need permits</p>
<ul style="list-style-type: none"><li>• All abandoned trucks and broken down farm equipment should be removed off-Site and taken to a registered junkyard or salvage yard.</li></ul>	<p>may need permits</p>
<ul style="list-style-type: none"><li>• All waste materials currently found in the small domestic landfill area should be disposed of off-Site at a suitable waste disposal facility. Waste materials and contaminated soil in the landfill area should be segregated and removed from the Site and disposed of at a suitable waste disposal facility. Once all waste materials and any contaminated soil are removed from the landfill area, clean backfill material should be used to fill in the remaining excavated pit to proper grade and compaction.</li></ul>	<p>Yes → maybe issue of haz. waste eg batteries</p>
<ul style="list-style-type: none"><li>• Used petroleum products should be stored in a properly designed container with adequate coverage and spill protection.</li></ul>	
<ul style="list-style-type: none"><li>• Paints, solvents and flammable liquids should be stored in a metal insulated storage cabinet designed for fire prevention.</li></ul>	
<ul style="list-style-type: none"><li>• Appropriate spill kits and emergency response equipment should be installed in areas where chemicals, fuels and hazardous materials are handled.</li></ul>	

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## **1.0 INTRODUCTION**

AMEC Earth & Environmental, Inc. (AMEC) was retained by Magna Entertainment Corporation (MEC) to conduct a Phase I Environmental Site Assessment (Phase I ESA) and Operational Compliance Review (OCR) of the Mistler and Vaughn Agricultural Facility located at 8405 Pedrick Road (Site), in Dixon, California. The work was performed in accordance with the scope and limitations of the American Society of Testing and Materials (ASTM) Practice E 1527-00, and the Letter of Authorization written by AMEC and signed by MEC, dated March 14, 2001. Any exceptions to, or deletions from, ASTM practice are described in Section 8.0 of this report. AMEC's qualifications and limitations for the Phase I ESA and OCR are provided in Appendix A.

### **1.1 PURPOSE**

The purpose of this Phase I ESA and OCR is to identify, to the extent feasible, recognized environmental conditions and potential issues of environmental regulatory compliance in connection with past or current uses of the Site. AMEC understands that this assignment is being completed as part of a pre-acquisition due diligence program. AMEC's findings will be used by MEC's legal counsel so that they can provide legal advice with respect to the proposed acquisition.

### **1.2 TERMS AND CONDITIONS**

AMEC's scope of services for the Phase I ESA and OCR consisted of the following activities:

- Review of certain federal and state regulatory agency databases for the Site and properties within a 1.0 mile radius around the Site.
- Review and evaluate readily available historical records, including topographical maps, historical aerial photographs, and Sanborn fire insurance maps.
- Research information publicly available and reasonably ascertainable to determine Site usage since first development, or 1940, whichever is earlier.
- Conduct a site reconnaissance to evaluate current Site conditions and note visual evidence of recognized environmental conditions.
- Conduct a visual reconnaissance of properties within 0.5 miles of the Site.
- Conduct a limited environmental regulatory compliance review of Site operations.
- Interview people with significant knowledge of the Site.
- Prepare a report of findings.



Environmental impairment of a property may result from activities such as illegal or unreported dumping, or the spilling of hazardous wastes or materials. It should be noted that the presence of contaminants at a particular property may not always be apparent, and the completion of a Phase I ESA in accordance with ASTM-E-1527-00 cannot provide a guarantee that hazardous wastes or materials do not exist. The scope of services executed for this project does not comprise an audit for ecological resources, endangered species, cultural and historic resources, indoor air quality, industrial hygiene, health and safety, high voltage power lines, nor does it comprise a detailed condition survey for radon, naturally occurring materials, lead-based paint, lead in drinking water, asbestos, wetlands, or other conditions or potential hazards not outlined in AMEC's Work Scope.

### 1.3 DEFINITIONS

For the purpose of this Phase I ESA and OCR, the following terms shall be defined as follows:

- *Site* – Mistler and Vaughn property, located 8405 Pedrick Road, Dixon, California 95620.
- *Project Area* - Refers to an approximate 0.5 mile radius around the Site.
- *Adjoining Properties* - Any real property or properties, the border of which is contiguous or partially contiguous with that of the Site, or that would be contiguous or partially contiguous with that of the Site, but for a street, road, or other public thoroughfare separating them.
- *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 material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public 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.
- *Hazardous Waste* - A waste or combination of wastes which, because of its quantity, concentration, or physical, chemical or infectious characteristics may – (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported or disposed of, or otherwise managed.

- *Groundwater Flow Direction* – Refers to the direction of shallow groundwater flow, and is based on a review of topographic maps, surface water conditions in the project area, public documents, and/or interviews with knowledgeable people.
- *Internal Facilities* – All facilities, including process areas, warehouse, administrative, and social, which are located within the primary Site building(s).
- *External Facilities* – All facilities, including process areas, fuel storage, materials and/or waste storage, and social, which are located outside of the primary Site building. Any and all secondary structures, which are not part of the primary building, are considered to be external facilities.

## 2.0 SITE INFORMATION/BACKGROUND

The following information was obtained during AMEC's site reconnaissance and from interviews with people knowledgeable about the Site. AMEC's site reconnaissance was conducted on March 28, 2001 by Mr. Ryan Van Pelt of AMEC, who either interviewed or was accompanied by Mr. Jose McNeill (Broker representing property owner) and Mr. Bobby Mistler (Mistler property owner) (hereafter collectively referred to as the Site representatives).

### 2.1 LOCATION AND LEGAL DESCRIPTION

The Site is located between Interstate 80 to the north, and Vaughn Road to the south, Pedrick Road to the east, and North First Street to the west. A Site location map (Figure 1) is provided in the Figures section of this report.

Currently, the subject property consists of four parcels of property, three of which are owned by Bobby Mistler and one of which is owned by John Vaughn.

### 2.2 CURRENT SITE USE AND GENERAL SITE DESCRIPTION

The Site is currently being used as an agricultural facility. It used to be regulated by the county, but was recently included within the City of Dixon limits.

At the time of AMEC's Site reconnaissance, the Site contained:

- a single-story wooden residential home (approximately 1,100 ft<sup>2</sup>); *age?*
- a wood pump/well house (approximately 1,200 ft<sup>2</sup>) with a three story tower, which used to contain a water storage tank;
- a red wood feed barn (approximately 1,500 ft<sup>2</sup>);
- a metal equipment repair garage (approximately 5,000 ft<sup>2</sup>); *\**
- a metal hay barn (approximately 5,000 ft<sup>2</sup>);

- a wood storage shed (approximately 120 ft<sup>2</sup>);
- several abandoned farm vehicles and types of farm equipment;
- several above ground storage tanks (ASTs), most of which contained diesel fuel;
- a small domestic landfill area;
- several truck trailers and four house trailers; and
- vacant agricultural fields and fields planted with wheat and tomatoes.

The residential home, pump/well house, and feed barn are reported as being built in the early 1900's. At the time of the site visit there were residents living in the wood home and trailers at the Site. Access to the trailers and small wood house was not provided during the site visit. The wood barn, metal hay barn, and wood pump/well house had earthen floors. Barn construction typically consisted of metal or wood walls, and wooden trusses with sloped metal roofing. The metal equipment repair garage contained steel support beams and a concrete slab floor. There was a small storage area on the second floor of the equipment repair garage that appeared to be used to store automotive parts and fluids. There did not appear to be a basement in any of the buildings. All of these structures were located on the Mistler farm (see Figure 2).

Farm equipment and vehicles were scattered throughout the equipment yard consisting of tractors, trailers, diesel trucks, pickup trucks, and harvesting equipment. Most of these no longer appeared to be operational. Oil and fuel stains on the ground were apparent near some of the equipment.

The Site exterior is covered with dirt or plowed fields planted with wheat and tomatoes. One small domestic landfill is located on the north side of the equipment yard.

### **2.3 SITE UTILITIES**

Site representatives indicated that the Site had a private well to provide potable water and septic system to provide sewer treatment. The only utility provided to the property from off-Site sources is electricity, which is provided by Pacific Gas and Electric Company (PG&E). Propane gas may be supplied to one of the residences by an on-Site propane tank (see photograph No. 4). Most of the trash and spent motor oil is removed by the farm attendants and taken to a registered landfill or certified disposal facility.

### **2.4 ADJOINING PROPERTY USE**

As part of AMEC's Phase I ESA, a visual reconnaissance of the properties adjoining the Site was conducted. Major roadways/properties which adjoin the Site are Interstate 80 to the northwest, Pedrick Road to the east, North First Street to the west, and Vaughn Road to the south.

AMEC viewed the adjoining properties from the Site and/or public roadways for visual evidence of significant chemical storage, improper waste disposal, or other outward indications of adverse environmental conditions. Adjacent properties were agricultural in use. No evidence of environmental impairment was observed during the Site reconnaissance.

## **2.5 AREA USE**

Properties within the project area consist of agricultural land as well as residential dwellings. AMEC viewed these properties from public roadways for visual evidence of significant chemical storage, improper waste disposal, or other indications of adverse environmental conditions. No evidence was observed during the Site reconnaissance.

## **2.6 PREVIOUS INVESTIGATIONS REVIEW**

No reports of previous Site investigations were available for review, however according to the Site representatives, a monitoring well was installed at one time near the 10,000-gallon AST. This may indicate that previous investigations have occurred at the Site.

## **3.0 PHYSIOGRAPHIC AND GEOLOGICAL SETTING**

The following subsections present information regarding the general physiographic, geologic and hydrogeologic conditions in the project area.

### **3.1 SURFACE TOPOGRAPHY AND DRAINAGE**

The United States Geological Survey (USGS) Topographic Maps, Dixon, California Quadrangle, 7.5 Minute Series, dated 1968, 1975, and 1981, indicate the Site is at an elevation of approximately 60 feet above sea level. The surface topography of the Site is relatively flat. The regional surface topography slopes gently to the southeast.

### **3.2 REGIONAL GEOLOGY AND HYDROGEOLOGY**

The Site is located in the central valley of California. Shallow soils are likely alluvial sediments consisting of clays and silts with interbedded lenses of sands and gravels. Regional groundwater migration is strongly influenced by surface drainage, topography, and the permeability of subsurface materials. Based on regional topography, regional and shallow groundwater is expected to flow southeast. Shallow groundwater is anticipated to be approximately 15 feet below ground surface.

## **4.0 PAST USE(S) OF SITE AND ADJOINING PROPERTIES**

AMEC completed the Site and surrounding land use history by reviewing information from the following sources:

- Historical USGS 7.5-minute series topographic map for the "Dixon, California Quadrangle" dated 1968, 1975, and 1981.
- Aerial photographs for the years 1937, 1965, 1970, 1987, and 1994; and
- Sanborn fire insurance maps were requested but none were available for the area.

Based on a review of historical information and personnel interviews, the Site appears to have been used for agricultural purposes since at least 1937.

#### **4.1 TOPOGRAPHICAL MAP REVIEW**

Historical USGS 7.5-minute series topographical maps for the "Dixon, California Quadrangle" were reviewed for the years 1968, 1975, and 1981. The small structures (homes, barn, etc.) are depicted on the maps. Topographical maps reviewed are presented in Appendix C.

#### **4.2 AERIAL PHOTOGRAPH REVIEW**

Aerial photographs were reviewed in an effort to identify the history of development at the Site and the surrounding area. Aerial photographs were obtained from Environmental Data Resources, Inc. (EDR). No photographs depicting the Site prior to 1937 were available. A discussion of the photographs is presented below. Aerial photographs from 1937, 1965, 1970, 1987, and 1994 are presented in Appendix B.

In the 1937 photograph, the Site appears to be similar to current conditions with the site and surrounding areas primarily agricultural fields. However, in the small portion of the Site currently occupied by homes and barns (Mistler farm equipment yard), there appears to be four individual residential homes and not the barns and garage.

In the 1965 photograph, the Site appears similar to the 1937 photograph except now there appears to be only 2 residential homes and Interstate 80 is present.

In the 1970 photograph, the Site appears similar to the 1965 photograph.

In the 1987 and 1994 photographs, the Site appears to be similar to conditions observed at the time of the site visit. The residential home, garage, and barn are apparent. Remaining areas of the site are agricultural fields.

#### **4.3 SANBORN MAP REVIEW**

AMEC retained Environmental Data Resources, Inc. (EDR) of Southport, Connecticut to perform a search for Sanborn Fire Insurance Maps covering the Site and adjoining properties. After reviewing its database, EDR determined that Sanborn Fire Insurance Maps did not cover the Site vicinity. A copy of the EDR Sanborn Fire Insurance Map

report request is included in Appendix E.

## **5.0 VICINITY ENVIRONMENTAL RECORDS**

A review was made of pertinent environmental records for those facilities in the Site vicinity provided by EDR. The records search was performed in general accordance with standards established in 2000 by the ASTM (ASTM E-1527-00). The reviewed records include:

### **5.1 FEDERAL NPL LIST**

The United States Environmental Protection Agency's (EPA's) National Priorities List (NPL) of uncontrolled or abandoned hazardous waste sites was reviewed for sites within one mile of the subject property. To appear on the NPL, sites must have met or surpassed a predetermined hazard ranking system score, been chosen as a state's top priority site, pose a significant health or environmental threat, or be a site where the EPA has determined that remedial action is more cost-effective than removal action. The database search identified no NPL sites within one mile of the subject property.

### **5.2 FEDERAL CERCLIS LIST**

The EPA's Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) listings were reviewed to determine if site(s) within 1/2 mile of the subject property are listed for investigation. The CERCLIS database identifies hazardous waste sites that require investigation and possible remedial action to mitigate potential negative impacts on human health or the environment. The database search identified no CERCLIS sites within 1/2 mile of the subject property.

### **5.3 FEDERAL RCRA LISTS**

The Resource Conservation and Recovery Act (RCRA) database (RCRIS) was reviewed to determine if RCRA treatment, storage, or disposal sites (TSDs) are within one mile of the subject property. Review of the RCRIS small quantity generator list, dated June 21, 2000, revealed no sites within 1/4 mile of the property.

### **5.4 STATE HAZARDOUS WASTE LISTS**

The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e. accidental releases or spills. Two spills were reported along Interstate 80 0.25 to 0.5 miles west of the site. One spill was 30-gallons of fuel oil on August 27, 1990. The other was a spill of 80-gallons of denatured alcohol on March 10, 1989. Because of the small quantities spilled and the distance from the Site, neither of these spills is likely to affect the Site.

The CORTESE list identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known

toxic material, sites with USTs with reported releases, and all solid waste disposal facilities with known migration. EDR reported 3 sites within 1/2-mile of the Site: Morgan's Fruit Stand, a former Exxon Station, and a former Texaco Station. These sites may impact the Site, however, files pertaining to environmental conditions at these sites were not reviewed because they were not reasonably accessible within the scope of this work. Any files for these sites would be located at the Sacramento office of the California Regional Water Quality Control Board.

## **5.5 LEAKING UST SITES**

The State Water Resources Control Board list of Leaking Underground Storage Tanks maintains a list of information pertaining to reported leaking underground storage tanks (LUSTs) reported in the State of California. The database search identified 3 LUST sites within 0.5 mile of the subject property. A Texaco Station (6615 Milk Farm Road), an Exxon USA Station (6618 Milk Farm Road), and Morgan's Fruit Stand (6646 Milk Farm Road) are included on the LUST list. These sites may impact the Site, however, files pertaining to environmental conditions at these sites were not reviewed because they were not reasonably accessible within the scope of this work. Any files for these sites would be located at the Sacramento office of the California Regional Water Quality Control Board.

## **5.6 UST SITES**

The underground storage tank database provides a list of registered USTs. The UST database search identified two active or inactive UST sites within 0.25 mile of the subject property. The Texaco Station and Morgan's Fruit Stand are included on the UST list.

## **5.7 OTHER INFORMATION**

No coal gas sites were identified within one mile of the Site.

## **6.0 SITE RECONNAISSANCE AND INTERVIEWS**

The purpose of AMEC's site reconnaissance was to obtain visual information that would indicate the presence of recognized environmental conditions. AMEC visited the Site on March 28, 2001. Observations were documented and pertinent features or areas of potential environmental concern were photographed. Photographs are provided in Appendix F.

### **6.1 SITE OBSERVATIONS**

A summary of each area assessed is presented below, according to pre-assigned topics of potential environmental concern. As appropriate, AMEC's observations are separated into "interior" or "exterior".

### 6.1.1 Storage Tanks

No visual evidence of USTs (such as fill ports, vent pipes or dispensers) was observed at the Site. According to Bobby Mistler, the property owner, no USTs are or formerly were located on the Site.

Six approximately 500 – 1,000 gallon ASTs formerly used for gasoline and diesel storage were observed on the east side of the Mistler farm equipment yard and an approximately 10,000 gallon AST formerly used for diesel storage was observed on the southern portion of the Mistler farm equipment yard. According to the Site representatives, these ASTs are not in use. Two additional trailer mounted ASTs, approximately 500 and 1000 gallons in size, were also observed. These ASTs appeared to be in use for fueling farm equipment. Staining was observed on the ground below the 10,000 gallon AST.

### 6.1.2 Hazardous/Regulated Wastes

#### Interior

AMEC visually assessed the interior of the Site buildings for the storage or disposal of hazardous or regulated wastes. New and used petroleum fuels and oils were observed in containers inside the maintenance garage.

#### Exterior

AMEC visually assessed the exterior of the Site for the storage or disposal of hazardous and/or other regulated wastes. Quantities of petroleum fuels are stored in various containers and ASTs across the Site.

According to the Site representatives, the Site does not generate other hazardous or regulated wastes. No other hazardous or regulated wastes were observed outside of the Site buildings.

### 6.1.3 Solid Waste

Solid wastes generated in the interior of the Site buildings generally consisted of domestic garbage, paper, cardboard, bottles and cans and used machinery wastes such as used oil, oil filters, and brake pads. These materials are disposed of in trash cans and may also be disposed of in the on-site dumping area. According to the Site representatives, much of the debris in the on-site landfill has been placed there illegally by others.



#### **6.1.4 Chemical Use and Storage**

##### **Interior**

AMEC observed several areas on the Site where chemicals are used and/or stored. However, the quantities of chemicals used at the Site are minimal. No spill protection equipment was observed in any of the chemical storage areas. Several 5-gallon buckets, plastic containers, and 55-gallon drums were observed in the maintenance shop. These contained gasoline, paints, hydraulic fluid, brake fluid, transmission oil, anti-freeze, coolant, and cutting oil. Minor staining was observed on the concrete floor located throughout the maintenance shop.

##### **Exterior**

AMEC observed various containers of new and used petroleum fuels and oils. Minor staining was observed on the ground near these containers.

#### **6.1.5 Electrical Transformers and Equipment**

Electrical power distribution transformers tend to be of two types; pole-mounted or pad-mounted. Most pole- and pad-mounted transformers at the Site are owned and/or maintained by PG&E. Some older electrical distribution transformers may contain dielectric fluids consisting of PCBs, which are regulated by the EPA under the *Toxic Substances Control Act (TSCA)*.

EPA CFR Title 40, Part 761, governs the manufacturing, processing and distribution of PCBs. The guideline defines a PCB transformer as any transformer that contains 500 parts per million (ppm) PCBs. PCB-Contaminated Electrical Equipment is defined as "any electrical equipment including, but not limited to, transformers (including those used in railway locomotives and self-propelled cars), capacitors, circuit breakers, reclosers, voltage regulators, switches (including sectionalizers and motor starters), electromagnets, and cable, that contains PCBs at concentrations of 50 ppm and < 500 ppm in the contaminating fluid".

Any oil-filled electrical equipment with the exception of circuit breakers, reclosers and cable whose PCB concentration is not known must be assumed to be PCB-contaminated. Section 40 CFR 761.2 states that any transformer (or electrical equipment) that was manufactured prior to July 2, 1979, or the date of manufacture is not known, should be assumed PCB-contaminated.

AMEC observed two pole-mounted transformers at the Site. AMEC believes the transformers are owned by PG&E.

#### **6.1.6 Wells**

Site representatives indicated there are two (and possibly three) groundwater wells at the Site. One well is a large irrigation well that is currently inactive (Photo 12). The other is a drinking water well located in the well house. According to Site representatives a monitoring well was reportedly installed near the 10,00-gallon AST, however, no evidence of this well was observed during the site visit.

#### **6.1.7 Drywells/Storm Drains**

A drywell is commonly constructed on selected sites for the controlled discharge of stormwater into the subsurface. Storm drains typically direct stormwater to off-site waterways or on-site retention areas. No evidence of drywells or storm drains were observed during the Site visit.

#### **6.1.8 Floor Drains/Catch Basins/Sumps**

No drains or sumps were observed at the Site.

#### **6.1.9 Pits/Ponds/Lagoons**

No pits, ponds, or lagoons were observed at the Site.

#### **6.1.10 Surface Staining**

##### **Interior**

Minor surface staining was observed on the floor of the maintenance shop. This staining was caused by incidental spillage and by leaking drums and containers of maintenance fluids identified in Section 6.1.4.

##### **Exterior**

AMEC observed surface staining on the ground near the maintenance shop. Stains were observed near ASTs, trucks, equipment (Photo 9), and 55-gallon drums.

#### **6.1.11 Stressed Vegetation**

Surface vegetation can be indicative of subsurface conditions, and may show signs of stress where contaminants have been discarded. Site vegetation included flowers, grass, bushes, and trees. No major evidence of stressed or discolored vegetation was observed in any specific area at the Site.

#### **6.1.12 Wastewater**

Sanitary wastewater at the Site is directed to an on-site septic system.

#### **6.1.13 Stormwater**

Stormwater drains were not observed at the Site. Stormwater runoff from the Site is captured in drainage ditches and canals.

#### **6.1.14 Utility Areas, Heating, Ventilating and Air Conditioning System**

No heating or air conditioning units were observed at the Site. The residential structure likely contains an electric heater.

#### **6.1.15 Asbestos-Containing Materials**

AMEC did not conduct an asbestos survey in conjunction with this Phase I ESA. However, a visual asbestos survey of readily accessible Site building areas was performed on March 28, 2001, to identify any suspect asbestos-containing materials (SACM).

Asbestos is a naturally-occurring mineral fiber that was widely used prior to 1980 as an insulating material in building construction and commercial products. Asbestos is a recognized human carcinogen and has come under stringent regulatory action regarding its handling, application, and/or removal. Asbestos-containing material (ACM) is defined as any material which contains more than one percent (1%) of asbestos.

The more hazardous forms of asbestos are those which are considered "friable." Friable ACM are materials which can release fibers when crumbled, pulverized or reduced to powder by hand pressure. Inhalation of airborne asbestos fibers has been linked to lung cancer, asbestosis (a fibrogenic lung disease), and mesothelioma (a fatal cancer of the lung or abdominal lining). Occupational exposure to asbestos is regulated by the federal government through the Occupational Safety and Health Administration (OSHA).

AMEC observed SACM (sheet rock with tape) at the Site in the maintenance garage. Other SACM (brake pads, debris) was observed in the small landfill. AMEC did not investigate the interior of the residential home. Significant amounts of SACM were not observed at the Site.

#### **6.1.16 Lead-Based Paint**

A lead-based paint (LBP) survey was not conducted as part of this ESA. Because the Site buildings were constructed prior to 1978, LBP may be present in the Site buildings. AMEC observed painted surfaces in the exterior of Site buildings generally to be in poor condition (peeling and flaking).

#### **6.1.17 Radon and Methane Gas**

##### **Radon Gas**

Radon gas is a colorless, odorless gas that occurs naturally from the breakdown of uranium. Radon can be found in high concentrations where there are soils and rocks

containing high levels of uranium, granite, shale or phosphate. In open air or in areas with high air circulation, radon is not considered a health problem. However, in confined spaces (such as poorly ventilated basements), radon can concentrate and become a health hazard.

Given the fact that there are no basements or underground structures at the Site, AMEC does not expect radon gas to be a significant environmental issue at the Site.

### **Methane Gas**

AMEC observed a small landfill at the Site, however, methane gas is not considered a significant issue at the Site.

## **6.2 INTERVIEWS**

AMEC interviewed persons with knowledge of the Site as part of the assessment. The following subsections present a summary of AMEC's interviews.

### **6.2.1 Present Owners/Occupants**

On March 28, 2001, AMEC interviewed Mr. Jose McNeill (Broker representing property owner) and Mr. Bobby Mistler (Mistler property owner). Below is a summary of the key points made during AMEC's discussions with the Site representatives.

- The Site representatives were not aware of any present or past environmental concerns for the Site or any environmental liens filed against the Site with the exception of the monitoring well that was reportedly installed near the 10,000-gallon AST.
- Most of the Site structures were constructed in the early 1900s.
- Site sewage is handled by an on-site septic system.
- Much of the debris in the on-site landfill was placed there by illegal dumping.

## **7.0 ENVIRONMENTAL REGULATIONS**

A limited review of the operations at the Site was conducted to assess compliance with major environmental requirements.

AMEC's review was intended to assess areas or activities at the Site where non-conformance could pose significant liability or entail significant cost to correct. This effort was not intended to be a comprehensive environmental compliance audit.

### **7.1 FACILITY OPERATION AND COMPLIANCE**

### 7.1.1 Federal Clean Air Act

The *Clean Air Act* of 1970 (CAA) provides the framework for managing air pollution in the United States. It called for the EPA to establish air quality control regions throughout the United States, and to set National Ambient Air Quality Standards for six criteria pollutants. It also established a new source performance standards program that regulates emissions from new and modified stationary sources. In addition, the national emission standards for hazardous air pollutants program was created, giving the EPA the authority to regulate those hazardous pollutants not covered by National Ambient Air Quality Standards.

The 1990 Clean Air Act Amendments (CAAA) greatly expanded the role of federal and state governments and the regional air quality authorities. Titles III and IV give the EPA (and ultimately the state agencies) the authority to implement programs to meet the objectives of the CAAA.

Title III-Air Toxics Provisions directed the EPA to promulgate standards that require the installation of maximum achievable control technology on major sources of 189 hazardous air pollutants. These standards were intended to protect the public from hazardous air pollutants using a statutory risk-based approach that provides an ample margin of safety. In addition to the maximum achievable control technology rules, Title III also addresses the accidental release of hazardous emissions. The EPA published a list of chemicals whose accidental release could seriously damage human health or the environment. Facilities with potential releases above threshold levels of these chemicals are required to prepare and implement risk management plans to avoid accidental releases and/or mitigate the impact of their release.

Title V of the 1990 CAAA established a state-implemented operating permit program, which has federal oversight. Title V regulations are codified in Part 70 of Title 40 of the Code of Federal Regulations (CFR).

"Major" and "affected" stationary sources are subject to the Title V operating permit program. The definition of a "major" source varies, depending on which CAA programs cover the source, the attainment status of the county, and the potential to emit hazardous air pollutants. An "affected" stationary source is any stationary source containing a unit subject to an acid rain emission limitation or an acid rain emission reduction (generally fossil fuel-fired power plants).

There are no manufacturing processes presently occurring on the Site that generate airborne emissions; therefore, it is AMEC's opinion that no emissions permits are required.

Under the provisions of CAA, releases of chlorofluorocarbons (CFCs) substitute hydrochlorofluorocarbons (HCFCs) and hydrofluorocarbons (HFCs) into the atmosphere have been prohibited since 1995. The original regulation established standards for

equipment that recover and recycle CFC-12 refrigerant from motor vehicle air conditioners and HVAC systems; required certifications for technicians; and set record keeping and reporting requirements. In January 1998, additional standards regarding refrigerant recycling equipment and the proper use of that equipment became effective. In addition, service shops were required to certify to the EPA that they own approved equipment. This is a one-time certification and does not require re-certification if more equipment is purchased. If a refrigerant is recovered and sent to a reclamation facility, the name and address of that facility are to be retained.

AMEC did not observe operations, material quantities or other conditions that would indicate the Site would be subject to permitting airborne emissions from the Site.

### **7.1.2 Clean Water Act - Point Sources**

The framework for regulating wastewater discharges in the United States was created by the Water Pollution Control Act Amendments of 1972, commonly referred to as the *Clean Water Act* (CWA). The CWA established that a permit is required for the discharge of pollutants to navigable waters in the United States. NPDES permits issued under the CWA are required to set limits on the quantity of pollutants discharged. Dischargers are also required to employ the best wastewater treatment technology that is economically achievable, regardless of the quality of the receiving water. In order to prevent violations of water quality standards, NPDES permits may also impose more stringent effluent limits that may not be attainable using the best treatment technology economically achievable.

AMEC believes the discharge of surface runoff from the Site does not require permits.

### **7.1.3 Clean Water Act - Spill Prevention Control & Countermeasures Plan**

The regulations set forth in 40 CFR 112, Oil Pollution Prevention, establish requirements for preventing discharges of oil from onshore and offshore facilities that store, handle, transfer, process, or refine oil or other petroleum products, and that are not directly engaged in the transport of these products. These regulations apply to facilities that could reasonably be expected to discharge oil in harmful quantities to navigable waters. Facilities with more than 1,320 gallons of aboveground oil or petroleum product storage capacity, with more than 42,000 gallons of underground oil or petroleum storage capacity, or that possess an aboveground oil storage tank or vessel of more than 660 gallons capacity, are required to prepare an Spill Prevention Control and Countermeasures Plan (SPCC).

Recently adopted provisions under 40 CFR 112 require the owner or operator of a facility that could reasonably be expected to cause substantial harm to the environment through the discharge of oil to prepare a facility response plan for submission to the EPA. Response plans are required of facilities that transfer oil over water to or from vessels and that have a total oil storage capacity of greater than 42,000 gallons. Response

plans are also required of facilities with a total oil storage capacity of greater than one million gallons that transfer oil over water to or from vessels.

The Site operates two ASTs of approximately 1,500 total gallons. Based on AMEC's observations, the Site likely exceeds the specified limits set out in the CWA and, as such, is likely required to complete or submit a SPCC.

AMEC observed no evidence of any petroleum storage that meets or exceeds the limits defined by Facility Response Plan (FRP). At the time of AMEC's Site visit, no evidence of petroleum storage was observed that meets or exceeds the limits defined by 40 CFR 112.

#### **7.1.4 Stormwater**

In October 1987, the CWA was amended to require the EPA to regulate point source discharges of stormwater under the NPDES program. Under federal regulations, stormwater refers to rain water runoff, snowmelt runoff, and surface runoff and drainage. Subsequently, the EPA issued regulations that require municipalities and certain industrial dischargers of stormwater to apply for an NPDES permit specifically for these discharges. Any activities that may cause materials to be released with stormwater discharges must be addressed. Materials of concern include raw materials and finished goods; fuels, solvents, and detergents; hazardous substances designated under CERCLA; chemicals that must be reported under Title III, Section 313 of the *Superfund Amendments and Reauthorization Act* (SARA), fertilizers and pesticides, and waste products such as ash, slag or sludge.

The stormwater discharge permitting process is intended to establish controls that can appropriately address different sources of stormwater pollutants at various facilities. Municipalities and industrial facilities that have stormwater discharges are required to implement BMPs to address and control activities that might contaminate stormwater.

BMPs are the administrative, operational, physical or structural means of providing the appropriate controls. Operational BMPs consist of company policies, operating and maintenance procedures, personnel training, good housekeeping, prohibition of undesirable practices, and other administrative practices to prevent or reduce pollution of waters of the State. Source control BMPs are physical, structural or mechanical devices or structures that are intended to prevent pollutants from entering stormwater.

The DEQ is responsible for processing NPDES permits in accordance with the *Federal Water Pollution Control Act*. NPDES permits for discharge of stormwater associated with industrial activity are managed by the same Division. To obtain a stormwater discharge permit, the discharger must submit a Notice of Intent to the DEQ. This rule also requires the preparation of a Stormwater Pollution Prevention Plan (SPPP), which shall be amended and updated periodically as changes to the discharge, operations, or other activities occur.

Certain "subject" facilities within a municipality (e.g., waste treatment, storage and disposal facility or landfill) and industrial dischargers, are required to develop and implement a SPPP that includes additional monitoring, reporting and record keeping. All stormwater management documents, including inspections, monitoring results, spill reports, and training records, must be retained at each facility.

According to the Site representatives, excess water discharges to surface ditches and drainage channels. Based on this information, and observations made during the Site reconnaissance, it is AMEC's opinion that a stormwater management plan and NPDES permit are not required.

### **7.1.5 Industrial Waste Issues**

#### **Resource Conservation and Recovery Act - Subtitle C**

The federal requirement for the cradle-to-grave management of hazardous waste was established under the RCRA nearly two decades ago. RCRA requirements were codified in Title 40 CFR Parts 260 through 265. The DEQ administers the RCRA program in the State of Oregon. As a result, facilities must comply with applicable regulations from both agencies.

After a facility has determined that it generates a hazardous waste, it then must then determine how much hazardous waste is generated per calendar month. As noted in Section 5.1.4, the three categories of hazardous waste generation status are: (i) CESQG, (ii) SQG, and (iii) LQG.

The extent and nature of the responsibilities defined in the regulations depends on the hazardous waste generation status for a facility. Requirements increase as the volume of hazardous waste generation at the Site increases. Requirements address accumulation times and practices, shipping and record keeping. Other requirements pertaining to employee training and inspections of waste management units are addressed in 40 CFR 262 and 265. Other rules may also apply, such as the requirement to maintain and submit specific portions of a written Source Reduction and Waste Minimization Plan. In addition, generators must also meet emergency preparedness and prevention requirements. SQGs are required to prepare a site Contingency Plan, in accordance with 265 Subpart C, and LQGs are required to prepare a site Contingency Plan in accordance with 265 Subpart D.

All generators must ensure that waste is disposed at an appropriate facility. Unless a generator is conditionally exempt, it must pack, label, mark and placard waste shipped to a treatment, storage or disposal facility (TSDF), in accordance with Department of Transportation (DOT) regulations. Each waste shipment must also be accompanied by a Uniform Hazardous Waste Manifest, and all hazardous wastes must be shipped with a Land Disposal Restriction Notification that describes land disposal restrictions that apply to the waste stream.



All waste management records, including waste analyses, determinations, manifests, land ban forms, reports such as Annual Waste Summaries and plans (e.g., Contingency Plans) must be maintained in a central, accessible file on the site. Specific retention times for waste management records, 3 to 5 years, are also required.

LQGs accumulating any amount of hazardous waste, and SQGs accumulating over 2,200 pounds of non-acute hazardous waste, must have secondary containment for the following:

- Containers holding hazardous waste with free liquids:
- Hazardous waste with the codes of F020, through F023, F026, F027; and
- Acute or severely toxic hazardous waste if more than 2.2 pounds is stored.

Regulated generators are required to accumulate wastes in an area that is designed and operated to remove any spilled or leaked waste and accumulated precipitation in a timely manner to prevent any overflow of the system. The containers need to be elevated or otherwise protected from contact with any accumulated liquid, and the accumulation area must also be protected from weather, fire, physical damage, and vandals in accordance with R 99.9306(l)(e)). In addition, LQGs are required to conduct weekly inspections of the accumulation area and keep written records of those inspections for at least three years, in accordance with R 299.9306(l). They are also required to have a 50-foot isolation distance from property lines for ignitable and reactive hazardous waste storage (40 CFR 265.1761).

According to Site representatives, the Site has not been designated as a LQG, SQG, or CESQG. Currently, only small quantities of waste paint, petroleum products, and other waste substances are generated at the Site, the Site facility is not classified under RCRA as a generator of regulated substances. However, in the event that quantity of generated wastes on the Site increases significantly, appropriate steps should be taken to ensure that facility changes its RCRA status, as required, and that it meets the associated reporting and record keeping criteria of a SQG or LQG, as appropriate.

## **7.2 SITE CONTAMINATION AND REGULATED MATERIALS ISSUES**

### **7.2.1 Comprehensive Environmental Response, Compensation and Liability Act**

CERCLA was promulgated in 1980. This Act, commonly known as "Superfund", created a program to clean up abandoned hazardous waste sites across the United States. In addition, this regulation created a mechanism by which contaminated sites could be ranked according to the risk posed to human health and the environment. Sites that were determined to have the most risk are placed on the NPL. Clean up of these sites are funded by the potentially responsible parties (PRPs), as well as taxes on chemical and petroleum products.

Section 104(e) of CERCLA authorizes the EPA to issue information requests requiring a PRP to provide information to the EPA concerning: the nature and quantity of materials it may have disposed of at a site; the nature and extent of any release of a hazardous substance at a site; and information concerning its ability to pay for clean-up.

Additionally, CERCLA provided for notification to the EPA and the National Response Center whenever there is a release of a reportable quantity (RQ) of any hazardous substance into the environment (40 CFR 302). This does not include releases that are contained within a building or structure, including secondary containment.

According to Site representatives, and the EDR Database review, the Site has not been required to submit to a 104(e) request. According to Site representatives, the Site has not had any release of hazardous substances over the RQ. As such, it is AMEC's opinion the Site is not currently subject to CERCLA regulations.

### **7.2.2 Superfund Amendments & Reauthorization Act - Title III**

On October 17, 1986, the SARA of 1986 was signed into law. One part of the SARA legislation is Title III, otherwise known as the *Emergency Planning and Community Right-To-Know Act* (EPCRA). EPCRA requires states to establish a process for developing local chemical emergency preparedness programs, and to receive and disseminate information on hazardous chemicals present at municipal, commercial, and industrial facilities within local communities.

EPCRA has four major components: emergency planning (Sections 301-303); emergency release notification (Section 304), community right-to-know reporting (Section 311-312); and toxic chemical release inventory reporting (Section 313).

Where the OSHA's Hazard Communication Standard provides employees with information about chemicals in a workplace, SARA requires facilities to provide citizens, community groups, and local fire department personnel with similar chemical hazard information.

Section 301-303 requires any facility that produces, uses or stores any substance on the Extremely Hazardous Substance (EHS) list in quantities equal to or greater than the threshold planning quantity established for each substance, to notify the SERC. Covered facilities must develop a site-specific emergency response plan and designate a representative to participate in the Local Emergency Planning Committee (LEPC) process as a facility emergency response coordinator.

Facilities must immediately notify the SERC and the LEPC if there is a release of a listed hazardous substance (CERCLA or EHS) that is not federally permitted, and that exceeds the reportable quantity established for that substance, and results in exposure to persons off-site under Section 304.

### **7.2.3 Toxic Substances Control Act**

PCBs and PCB-contaminated materials are regulated under the TSCA protocols set forth in 40 CFR 761. The regulations at 40 CFR 761 govern the use, marking, storage, recording and disposal of PCBs and PCB wastes. More specifically, the regulations: 1) prohibit the manufacture of PCBs, unless specifically exempted by the EPA, 2) prohibit the processing, distribution and use of PCBs except in a totally enclosed manner, 3) require that all wastes containing 50 ppm or greater PCB content must be disposed of at a TSCA-approved disposal facility, and 4) require reporting of releases of PCBs.

PCBs were most widely used as cooling and dielectric fluids in electrical transformers, light ballasts and electrical capacitors. According to 40 CFR 761.40, a PCB transformer, defined as a transformer containing PCBs in concentrations greater than 50 ppm, must bear a PCB label. At present, PCBs themselves are not defined as hazardous wastes.

AMEC observed two pole-mounted transformers on the Site that are believed to be owned and operated by PG&E.

## **7.3 OTHER ENVIRONMENTAL REGULATORY ISSUES**

### **7.3.1 U.S. Army Corps of Engineers - Section 404 Permitting**

Section 404 of the CWA establishes programs to regulate the discharge of dredged and fill material into waters of the United States, including wetlands. The EPA and the Army Corps of Engineers jointly administer the program. The premise of the program is that no discharge of dredged or fill material can be permitted if a practicable alternative exists that is less damaging to the environment. Activities regulated by this program include fill for development, water resource projects, and infrastructure development. A permit review process controls regulated activities. A Section 401 Water Quality Certification from the State of Oregon shall not ordinarily be required if the discharger has properly obtained both the federal permit and a Water Quality Certification from the DEQ. The federal permit contains all terms required by the Certification and other appropriate terms relating to the discharge, so long as all of the conditions of the permit, Certification and the requirements of other applicable DEQ rules and state law, are met.

At the time of the Site visit, no evidence of any dredging or filling activities defined by 404 permitting regulations was observed.

### **7.3.2 Radiation**

The U.S. Nuclear Regulatory Commission, EPA and DOT regulate the manufacture, use, transport and disposal of radioactive materials. These agencies require licenses of all radioactive materials not covered by a general license (i.e., smoke detectors) and some naturally occurring radioactive materials. General licenses are received from the Nuclear Regulatory Commission and usually cover a product in which a radioactive source has

been sealed. In addition, the agencies sets forth specific requirements for training of employees that encounter radioactive materials in the workplace as part of their duties. There are also specific regulatory requirements regarding storage, maintenance and leak testing of equipment, inventory, monitoring of personnel, and record keeping.

At the time of AMEC's Site visit, no evidence of the use or storage of radioactive materials was observed.

### **7.3.3 Federal Insecticide, Fungicide and Rodenticide Act**

The Federal *Insecticide, Fungicide and Rodenticide Act* (FIFRA) was promulgated in 1947, and has been revised many times. These regulations, as codified in 40 CFR 150 through 185, were enacted to regulate all aspects of pesticide manufacture, use, storage and disposal. Pesticides are defined as any substance intended for "preventing, destroying, repelling or mitigating any pest", and substances intended for uses as a plant "regulator, defoliant, or desiccant". The FIFRA established a certification and training program for workers who apply pesticides and strictly regulates pesticides and their use in the United States.

AMEC was informed by the Site representatives that spraying of herbicides and/or pesticides is conducted by a contracted company. Under the FIFRA, it is AMEC's opinion that if Site personnel apply and handle herbicides they may be required to attend a certification and training program.

## **8.0 DEVIATIONS FROM ASTM**

This report was prepared in accordance with the ASTM Standard E1527-00. The following limitations/deviations from this standard are listed below:

- AMEC did not conduct a land title search on the Site property.

## **9.0 CONCLUSIONS AND RECOMMENDATIONS**

AMEC has performed a Phase I ESA and OCR in conformance with the scope and limitations of this project as previously described. The following presents a summary of conclusions and recommendations.

### **9.1 CONCLUSIONS**

Based on personal interviews and the review of historical and environmental records for the Site, recognized environmental conditions for the Site include:

- surface staining in areas where chemicals, gas, and waste oils may have impacted the subsurface due to improper storage or transport. These areas include ASTs, drums, and various gasoline or oil leaking equipment in the Mistler farm equipment yard located at 6405 Pedrick Road. AMEC did not observe any spill protection in any of the chemical storage areas on Site;
- light surface staining below six ASTs located near the entrance to the Mistler farm equipment storage yard;
- heavy surface staining below diesel AST (approximately 10,000 gallon capacity). The AST is located in the central part of the Mistler farm equipment storage yard;
- several areas of abandoned trucks and broken down farm equipment on-Site;
- SACM identified at the Site includes brake pads from old and abandoned trucks, miscellaneous building materials found in the small domestic landfill area, and wallboard in the equipment repair garage. In addition, the age of the buildings (pre-1978) suggests that LBP may be present. If renovation or demolition of the building is planned, the potential presence of ACM and LBP should be considered. ACM generally require removal by a certified asbestos abatement contractor prior to any renovation or demolition activities. The potential presence of LBP should be communicated to construction contractors so they may provide proper work protection for their employees; and
- small domestic landfill area (approximately 20 feet by 100 feet) containing various building materials and domestic trash, including some automotive parts (batteries, cables, wires, etc..).

### **9.2 RECOMMENDATIONS**

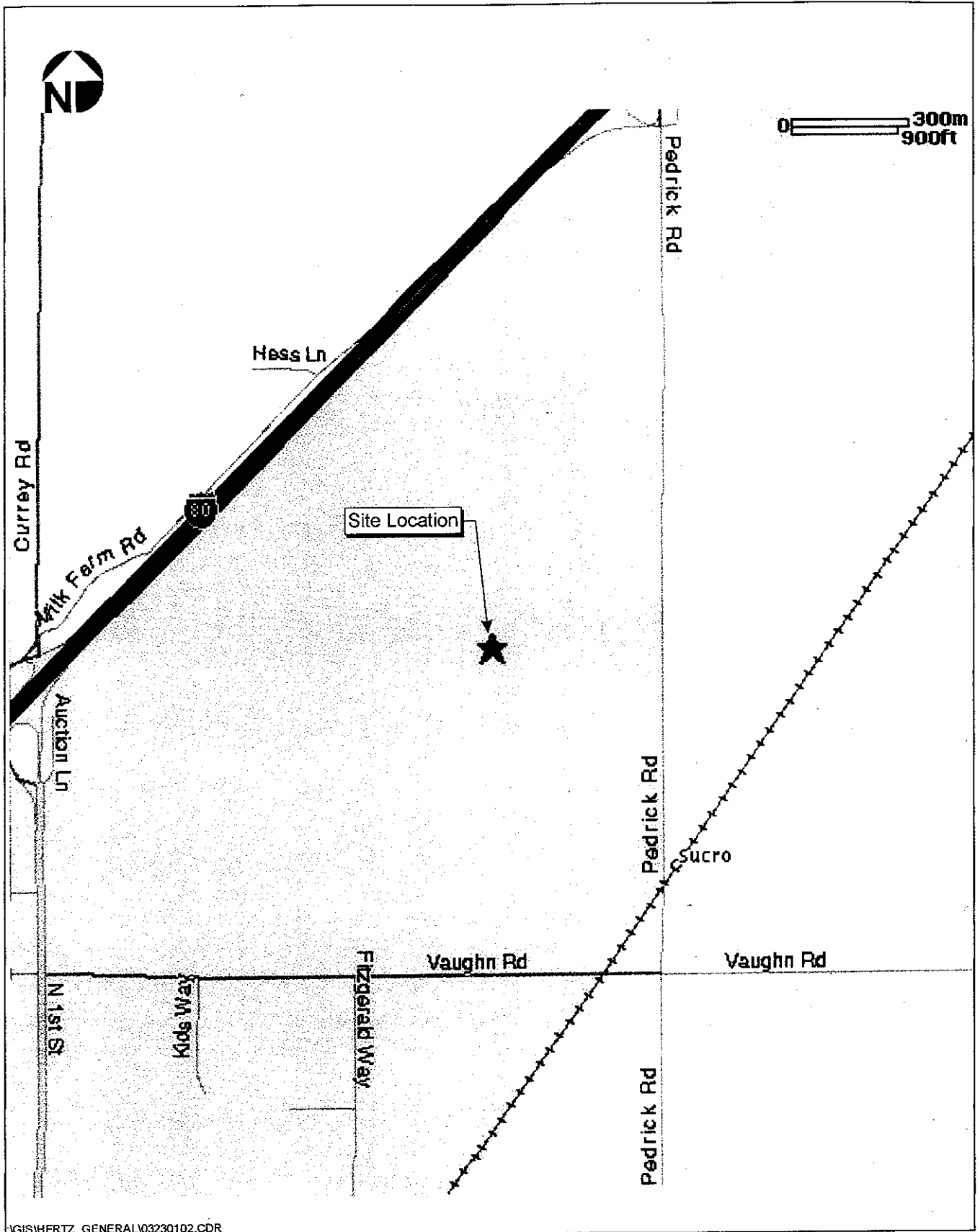
To address recognized environmental conditions at the Site, AMEC offers the following recommendations.

- AMEC anticipates shallow surface soil contamination near the large 10,000 gallon AST, near the six smaller ASTs located near the entrance to the Mistler farm equipment yard, and near the small domestic landfill area. AMEC recommends conducting a limited Phase II ESA including soil and groundwater sampling and analyses to investigate identified on-site sources of potential contamination.
- If petroleum hydrocarbons are detected in Site groundwater, a regulatory file review of adjacent facilities with documented contamination, particularly the upgradient Morgan's Fruit Stand site with a reported petroleum leak, is recommended.
- All existing ASTs, drums and containers of chemicals observed on the Mistler farm equipment yard should be disposed of off-Site at a suitable waste disposal facility. Sampling of the contents may be required prior to disposal.
- All abandoned trucks and broken down farm equipment should be removed off-Site and taken to a permitted junkyard or salvage yard.
- All waste materials currently found in the small domestic landfill area should be disposed of off-Site at a suitable waste disposal facility. Waste materials and contaminated soil in the landfill area should be segregated and removed from the Site and disposed of at a suitable waste disposal facility.
- Used petroleum products should be stored in a properly designed container with adequate coverage and spill protection.
- Appropriate spill kits and emergency response equipment should be installed in areas where chemicals, fuels and hazardous materials are handled.
- Paints, solvents and flammable liquids should be stored in a metal insulated storage cabinet designed for fire prevention.

## **10.0 REFERENCES**

EDR Information Solutions, Inc., 2001. Site Assessment Report for Mistler & Vaughn Agricultural Facility, 8405 Pedrick Road, Dixon, CA 95620

United States Geological Survey, 1968, 1975, and 1981. Topographic Map, Dixon, California, Quadrangle 7.5 Minute Series.



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Site Location Map  
 8405 Pedrick Road  
 Dixon, CA

FIGURE

1

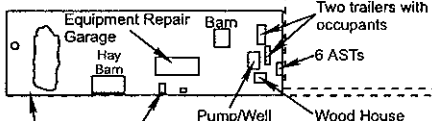




Interstate 80

Bobby Mistler  
Parcel 111-040-010  
39.10 acres  
(Plowed field/  
Planted tomato)

Bobby Mistler  
Parcel 111-040-020  
31.68 acres  
(Plowed field/  
Planted tomato)



Mistler Farm  
Equipment Yard

Bobby Mistler  
Parcel 111-040-040  
52.13 acres  
(Wheat)

Purina Foods  
Industrial Site

**Legend**

- Inactive Irrigation Well
- ⬭ Approximate Location of Domestic Landfill
- - - - Property Parcel Boundary
- Two Pole Mounted Transformers

Property Boundary

Pedrick Road

John Vaughn  
Parcel 111-080-050  
101.33 acres  
(Plowed Field)

Vaughn Road

Note: Drawing Not to Scale

AGIS\MISC\DIXON\04050109.CDR



### Map of Subject Property Mistler and Vaughn Agricultural Facility Dixon, California

FIGURE

2



**Photograph No. 1.** View of entrance to Mistler Bros agricultural property off Pedrick Road looking southwest.



**Photograph No. 2.** View of Vaughn agricultural property looking north-northwest towards Mistler property and barns in the background.



**Photograph No. 3.** View of center of Mistler property looking west towards six ASTs. According to the property owner AST's are no longer used. Most of them use to contain either diesel or gasoline fuel.



**Photograph No. 4.** View of center of Mistler property looking west towards old wooden house on property. Notice propane gas tank in foreground.



**Photograph No. 5.** View of old well/pump house used to provide drinking water to the residences living on the Mistler property. Tower of building previously housed a water storage tank.



**Photograph No. 6.** Domestic water well, pump, and small storage tank located at base of building pictured above.



**Photograph No. 7.** View of red barn located in center of Mistler property looking north.



**Photograph No. 8.** View of farm equipment repair garage located in center of Mistler property looking west.



**Photograph No. 9.** View of diesel tanker trailer (AST) in center of Mistler property looking east. Tanker is currently being used to provide diesel fuel to the farm equipment. Notice large stain in soil behind trailer.



**Photograph No. 10.** View of 55-gallon drum (appeared to be full of spent motor oil) and diesel AST (approximately 10,000 gallon) seen in background and in center of Mistler property looking west. AST has a pump and dispenser attached to it. According to the property owner the AST is no longer being used.



**Photograph No. 11.** View of landfill area in center of Mistler property (approximately 20' X 100') looking south.



**Photograph No. 12.** View of inactive irrigation well on west side of Mistler property looking east.



**CONESTOGA-ROVERS  
& ASSOCIATES**

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## TRANSMITTAL

DATE: 03/31/11 REFERENCE NO.: 058414

PROJECT NAME: Dixon Site Investigation

TO: Misty Kaltreider, PG, CFG  
Engineering Geologist  
Department of Resource Management  
675 Texas Street, Suite 5500  
Fairfield, CA 94533

Please find enclosed:  Draft  Final  
 Originals  Other  
 Prints

Sent via:  Mail  Same Day Courier  
 Overnight Courier  Other

QUANTITY	DESCRIPTION
1	No Further Action Required Request and Groundwater Monitoring Report - Third Quarter 2010

As Requested  For Review and Comment  
 For Your Use

COMMENTS:

\_\_\_\_\_

\_\_\_\_\_

Copies to: Duncan Austin, Central Valley Water Board  
Mike Rogers, Ocala Meadows LLC

Completed by: Gregory Ruiz Signed: *Gregory Ruiz*  
[Please Print]

Filing: Correspondence File





# **NO FURTHER ACTION REQUIRED REQUEST AND GROUNDWATER MONITORING REPORT - THIRD QUARTER 2010**

**FORMER MISTLER FARM PROPERTY  
8405 PEDRICK ROAD  
DIXON, CALIFORNIA (File No. 29-80336)**

**Prepared For:  
Ocala Meadows Lands, LLC**

**MARCH 2011  
REF. NO. 058414 (3) - Rev. 1**  
This report is printed on recycled paper.

**Prepared by:  
Conestoga-Rovers  
& Associates**

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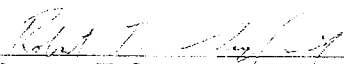
# NO FURTHER ACTION REQUIRED REQUEST AND GROUNDWATER MONITORING REPORT - THIRD QUARTER 2010

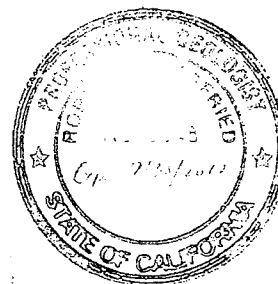
FORMER MISTLER FARM PROPERTY  
8405 PEDRICK ROAD  
DIXON, CALIFORNIA (File No. 29-80336)

Prepared For:  
Ocala Meadows Lands, LLC

  
ERIK A. FRIEDRICH, REAII, REP  
PROJECT MANAGER



  
ROBERT T. SIEGFRIED, PG, CEG  
PROJECT GEOLOGIST



MARCH 2011  
REF. NO. 058414 (3) - Rev. 1

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**1.0 INTRODUCTION**

Site Name:	Former Mistler Farm Property
Site Address:	8405 Pedrick Road, Dixon, California
Contact:	Mr. Mike Rogers Ocala Meadows Lands LLC (OML) 14875 Bayview Ave Aurora, Ontario L4G 3G8
Consulting Company:	Conestoga-Rovers & Associates (Erik Friedrich)
Project No.:	058414 (CRA), File 29-80336 (Solano Co.)
Primary Agency Contact:	Ms. Misty Kaltreider Solano County Department of Resource Management 675 Texas St, Suite 5500 Fairfield, California 94533

Conestoga-Rovers & Associates (CRA), on behalf of Ocala Meadows Lands, LLC (OML), has prepared this no further action required (NFAR) request and 3<sup>rd</sup> quarter report for the former Mistler Farm property, located at 8405 Pedrick Road, Dixon, California (Site). Site identification and contact information are summarized in the above table.

The California Regional Water Quality Control Board - Central Valley Region’s (CRWQCB-CVR) 2004 “Tri-Regional Recommendations” specify that requests for a letter of case NFAR are appropriate when risks to public health and safety and ecological receptors are reduced to insignificant levels and:

1. Groundwater quality/beneficial uses are not threatened by soil contamination, and chemical contaminants in groundwater have been remediated to non-detectable levels, or
2. Groundwater contains detectable contaminants below water quality objectives and concentrations are expected to reach background conditions through natural processes within a reasonable period of time, or
3. Groundwater contains contaminants above water quality objectives, where best available, cost effective technology has been implemented and chemical concentrations

in groundwater are projected to meet water quality objectives through natural processes within a reasonable period of time, i.e., prior to any potential future beneficial use of groundwater. Patterns of existing and projected future demands for usable water resources in the area must be considered in determining what period of time is reasonable.

The purpose of this report is to summarize Site data to document that risks to public health and safety and ecological receptors are reduced to insignificant levels and that condition #2 above has been met. The “Tri-Regional Recommendations” specify a list of 20 documentation items that must be included in NFAR reports, and require responsible parties to provide a one or two sentence narrative summary for each item and the section number where supporting information can be found in the NFAR report; this summary of NFAR documentation is included in Appendix A.



## 2.0 PREVIOUS REQUEST FOR CLOSURE

OML (the current property owner) acquired the property from Magna Entertainment Corporation (MEC) in 2009. The location of the Site is shown on Figure 1. CRA, on behalf of MEC, submitted a Request for Closure (dated February 17, 2009) following remedial actions to address impacts from a former above ground fuel storage tank (AST). The layout of the former AST area is shown on Figure 2. Citing concerns about data gaps in the Site information gathered to date, Solano County Department of Resource Management (SCDRM) requested that additional groundwater monitoring and assessment be completed to:

- Define the vertical extent of soil impact,
- Determine if residual source is present, and
- Determine groundwater plume stability and that the residual impact is decreasing.

In order to respond to SCDRM's concerns, CRA prepared a strategy for additional Site investigation, outlined in the October 30, 2009 *Technical Memorandum in Response to Solano County, April 22, 2008 Correspondence and Work Plan for Additional Site Investigation* (work plan). SCDRM conditionally approved the work plan in its November 12, 2009 letter to MEC (Appendix B).

CRA mobilized to the Site on December 15, 2009 and completed additional Site investigation activities which addressed the first two items in the bulleted list above. At this time, CRA has completed groundwater monitoring at the Site each quarter for four quarters and gathered data to address the last item in the bulleted list above.

### 3.0 BACKGROUND

#### 3.1 SITE DESCRIPTION

The Site (Figure 1) consists of a rectangular tract of vacant land, extending approximately 300 feet north-south, and approximately 1,020 feet east-west (Figure 2). The Site, APNs 0111-040-010, 020,030,040, and 0111-080-050, covers approximately seven acres in the N ½, SW ¼, SE ¼ of Section 1, Township 7 North, Range 1 East of the Mount Diablo Baseline and Meridian, in the town of Dixon, Solano County, California. The land surface is nearly flat, with a slope gradient less than 0.005 feet per foot (ft/ft) to the southeast. The surface elevation is approximately 65 feet above sea level.

From approximately 1900 until 2001, part of the Site was in cropland and part was occupied by farm buildings. In 2001, the onsite structures included a residence, two barns, and an equipment repair building. At the time of the excavation activities in 2006, all buildings had been removed and the Site was unused.

The Site is surrounded on all sides by cropland. A dirt road extends west from Pedrick Road and crosses the southern part of the Site.

#### 3.2 PREVIOUS WORK

Previous environmental assessments and investigative activities conducted at the Site were summarized in the February 17, 2009 CRA correspondence. A copy of this letter has been included in Appendix C.

After this letter was submitted to SCDRM, and SCDRM issued its response, soil and groundwater sample/data collection activities were conducted on December 15, 2009. It should be noted that on November 29, 2006, CRA observed the excavation extended to 20 feet below grade (fbg). This was still the case when CRA returned to the Site on December 15, 2006. However, when CRA arrived to the Site on December 15, 2009, settling had occurred where the excavation had been backfilled and the grade was 1 foot lower (at the center) than it was shortly after the excavation.

CRA retained the services of PeneCore Drilling of Woodland, California to conduct the sample collection activities. One soil boring (SBD-1) was advanced by direct push techniques (Geoprobe®) utilizing large bore sampling equipment. The location of SBD-1 (as well as all other sample collection locations) is shown on Figure 3 and is

situated in the center of the former excavation to document the presence or absence of residual impacts beneath the excavation area backfill. Soil samples were collected at 19.5 to 20, 24.5 to 25, 29.5 to 30, and 34.5 to 35 fbg and transferred into laboratory supplied sample containers. The bottom of the excavation was observed to be 19.5 fbg on December 15, 2009, as determined by the presence of hydrocarbon impact.

CRA returned to the Site during the first, second, and third quarter of 2010 to complete quarterly groundwater monitoring events. The results of the most recent groundwater monitoring event (third quarter 2010) are described in Section 4.0.

### **3.3 SITE GEOLOGY/HYDROLOGY**

The Site is in the Central Valley of California, a large topographic and groundwater basin. Soil beneath the Site consists of alluvial clayey silt/silty clay, silt, silty fine sand/sandy silt, sand, and gravel. Depth to groundwater was observed to be approximately 20 fbg. The groundwater flow gradient was observed to flow to the north at 0.01 ft/ft during CRA's March 2005 investigation that was conducted while an irrigation ditch located approximately 20 feet south of the former AST pad was actively flowing. Groundwater gradient information collected as part of this remedial action indicated that groundwater flows to the north-northeast at an average gradient of 0.0012 ft/ft. It should be noted that the previously used irrigation ditch had been abandoned. Under normal conditions, groundwater would be expected to flow to the east-southeast at a gradient of 0.005 ft/ft consistent with regional topography. CRA now believes that groundwater may be influenced by subtle local topographic anomalies or seasonal variation due to irrigation activities (which may include pumping from agricultural wells).

Figure 4 shows the orientation of two cross sections depictions of the Site subsurface. The cross sections were developed based on geological observations made during monitoring well installations and Site excavation activities. Figure 5 presents two cross-sections of the Site; one for a transect oriented from south-southwest to north-northeast (cross section A-A'), and one for a transect oriented from west-northwest to east-southeast (cross section B-B').

Stratigraphic and instrumentation logs for Site Geoprobe® borings installed on May 3 and May 4, 2005, Site monitoring wells installed on March 14, 2007, and deep soil boring SBD-1 installed on December 15, 2009, are included as Appendix D.

### 3.4 SENSITIVE POTENTIAL RECEPTORS

A sensitive receptor survey was completed for the Site in May 2008. The number and location of nearby wells were discussed in CRA's September 2008 *Sensitive Receptor Survey Report* and also in CRA's correspondence *Addendum to Fourth Quarter 2007/2008 Groundwater Monitoring Report and Sensitive Receptor Survey Report*, dated October 10, 2008. Both sensitive receptor survey documents are included as Appendix E.

## 4.0 THIRD QUARTER 2010 GROUNDWATER MONITORING EVENT

### 4.1 FIELD ACTIVITIES

On September 29, 2010, CRA field personnel mobilized to the former AST area of the Site (Figure 2) and collected groundwater elevation data from the Site's five groundwater monitoring wells (MW-1 through MW-4 and MW-X) and groundwater analytical samples from two wells (MW-2 and MW-X). The locations of the monitoring wells are shown on Figure 3. Figure 3 also shows the locations of all boring and confirmation sampling sites.

The history of well MW-X is undocumented and the well was discovered during the installation of the other monitoring wells in 2007. While MW-X was sampled as part of this groundwater sampling event, historical groundwater elevation data has not been collected as the screened interval and screen depth of the well are unknown. The current and historical groundwater elevation data collected from MW-1 through MW-4 is presented in Table 1. The current and historical groundwater flows and directions are presented in Table 2. Groundwater elevation contours for September 29, 2010 are shown on Figure 6.

Groundwater samples were collected from wells MW-2 and MW-X by bladder pump and low flow groundwater collection methodology. During the purging process field stabilization parameters (pH, temperature, conductivity, dissolved oxygen (DO) and oxidation reduction potential (ORP)) were collected. The field parameter data are presented in Table 3.

When the appropriate field parameter stabilization criteria were met, groundwater was transferred into 1-liter glass containers supplied by the analytical laboratory. The sample containers were labeled and placed on ice for delivery to the analytical laboratory. A field duplicate sample was collected from MW-2. The groundwater samples were analyzed for total petroleum hydrocarbons as diesel (TPHd) utilizing United States Environmental Protection Agency Method 8015 (modified). The sample IDs as well as the sample collection locations and times are given in Table A below. The detected concentrations of target analytes are reported in the laboratory analytical report presented in Appendix F.

**Table A. Groundwater Sample IDs, Locations, and Collection Times**

<i>Sample ID</i>	<i>Sample Location</i>	<i>Sample Collection Time</i>
GW-058414-092910-GER-001	MW-X	1:08
GW-058414-092910-GER-002	MW-X	1:18
GW-058414-092910-GER-004	MW-2	3:06

Note: A sample identified as GW-058414-092910-GER-003 was collected; however this sample was compromised in the field and therefore was not submitted for analysis.

Upon receipt of the soil and groundwater data from the laboratory, a laboratory analytical data quality assessment and validation was completed by CRA based on the quality assurance/quality control (QA/QC) information provided by the laboratory. Based on the QA/QC validation, the laboratory analytical data have been deemed suitable for use without exception. The validation memo is presented in Appendix F.

Waste generated during the sample collection activities were containerized and staged on-Site for future disposal.

## **4.2 FINDINGS**

This section presents the findings of the Third Quarter 2010 Groundwater Monitoring Event. The findings include data concerning groundwater flow direction and gradient, as well as concentrations of diesel and related compounds in the groundwater from the two wells sampled. These findings have been used in the determination of plume stability and show that the residual mass does not have a significant effect on groundwater.

### **4.2.1 GROUNDWATER FLOW AND GRADIENT**

As shown on Figure 6, groundwater flows to the north at a gradient of 0.0012 ft/ft as an average elevation of 39.93 feet above mean sea level (amsl) as measured on September 29, 2010. As can be seen in Table 2, the observed direction of flow is consistent with all previous monitoring events taking place on-Site except for the Fourth Quarter 2009. At that time, CRA observed southerly flow in Site groundwater. The southerly flow that CRA observed in the monitoring well network during the Fourth Quarter 2009 is consistent with local topography but the northerly flow that CRA observed this event appears to be predominant. CRA believes that groundwater

may be influenced by seasonal variation due to irrigation activities (which may include pumping from agricultural wells).

#### **4.2.2 GROUNDWATER COMPOUND CONCENTRATIONS**

TPHd was not detected in either of the groundwater samples collected from wells MW-X or MW-2. Diesel as unknown hydrocarbon was not detected in either of the samples collected from MW-X and MW-2. The September 2010 analytical results for the groundwater samples from MW-2 are the first observed occurrence of non-detect levels of diesel as unknown hydrocarbon since March 2007. Table 4 presents a summary of all groundwater analytical results for all samples collected at the Site. Figure 7 presents the results of the most recent sampling event.

#### **4.3 CONCLUSIONS**

On September 29, 2010 CRA observed that Site groundwater flowed to the north at a gradient of 0.0012 ft/ft at an elevation of approximately 39.93 feet amsl. As can be seen in Table 1, the groundwater elevations CRA obtained at this monitoring event are lower than at all previous monitoring events, except December 2009 and March 2010. Groundwater elevation is influenced by seasonal groundwater recharge/ irrigation activities. During Site excavation activities which took place on November 29, 2006, groundwater was encountered at 20 fbg.

Groundwater samples were collected from two of the on-Site monitoring wells, MW-X and MW-2, on September 29, 2010. TPHd and diesel as unknown hydrocarbon were not detected in either of the groundwater sample collected from MW-X or MW-2.

Historical diesel as unknown hydrocarbon concentrations and groundwater elevation data from MW-2 are summarized in Table B below:

**TABLE B. UNKNOWN HYDROCARBON CONCENTRATION AND  
GROUNDWATER ELEVATION IN MONITORING WELL MW-2**

<i>Date</i>	<i>Elevation of Soil Impact Interval (feet amsl)</i>	<i>Groundwater Elevation (feet amsl)</i>	<i>Concentration of Diesel as Unknown Hydrocarbon (µg/L)</i>
3/30/07	41.3-44	44.08	<50
10/19/07	41.3-44	43.09	120
2/15/08	41.3-44	43.18	180
5/15/08	41.3-44	49.39	300
12/15/09	41.3-44	38.12	140
3/20/10	41.3-44	39.11	60 (55 in duplicate)
6/11/10	41.3-44	40.56	240 (230 in duplicate)
9/29/10	41.3-44	39.3	<48

amsl = above mean sea level

µg/L = micrograms per liter

On December 15, 2009, soil boring SBD-1 was installed in the center of the former AST area. Soil samples were collected from directly beneath the bottom of the November 29, 2006 excavation to fifteen feet below the bottom of the excavation. It should be noted that on November 29, 2006, CRA observed the excavation extended to twenty feet below grade. This was still the case when CRA returned to the Site on December 15, 2006. However, when CRA arrived to the Site on December 15, 2009, settling had occurred where the excavation had been backfilled and the grade was one foot lower (at the center) than it was shortly after the excavation. The samples were analyzed for TPHd concentrations. The analytical results indicated that the soil impact zone extends vertically from 41.3 feet amsl to 44.0 feet amsl.

In March 2007, October 2007, and February 2008, the top of the groundwater table was within the soil impact interval. In May 2008, the top of the groundwater table was above the soil impact zone. In December 2009, March 2010, June 2010, and September 2010, the top of the groundwater table was below the soil impact zone.

In the February 2010 *Additional Site Investigation Report*, CRA recommended that quarterly groundwater monitoring be continued for a period of one year (four quarters) to determine if any trends in groundwater concentrations develop. CRA has identified a decreasing trend, and recommends Site closure/no further action, as discussed in Section 6.0.



## 5.0 REMAINING HYDROCARBON IMPACT

### 5.1 DISTRIBUTION OF REMAINING HYDROCARBONS

The following section discusses the extent of hydrocarbon impact that remains in Site soils and groundwater. The analytical results obtained from soil samples over the years are summarized in Table 5. The analytical results obtained from groundwater samples over the years are summarized in Table 4. A comprehensive summary of Site investigation and groundwater monitoring activities which have taken place is presented in CRA's February 17, 2009 *Request for Closure* letter included as Appendix C.

The highest concentration of TPHd that remains on-Site was detected in the sample collected from 19.5 to 20 fbg in deep soil boring (SBD-1 - 13,000 milligrams per kilogram [mg/kg]). This soil sample was collected as part of additional Site investigation activities which took place on December 15, 2009. The second highest concentration of TPHd that remains on-Site was detected in a sample collected from the excavation east bottom (EB - 1,800 mg/kg) as a confirmation sample at the conclusion of excavation activities on November 29, 2006. No other soil samples collected from the Site exhibited concentrations of TPHd that exceeded the most conservative TPH (middle distillates) Environmental Screening Level (ESL) presented in the California Regional Water Quality Control Board - San Francisco Bay Region (CRWQB-SFBR) document, *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater*, Interim Final November 2007, Revised May 2008 (Guidance Document). The locations where these soil samples were collected are shown on Figure 3.

Four soil samples collected during all Site activities had detectable concentrations of diesel as unknown hydrocarbon above 100 mg/kg. A soil sample collected from the excavation west sidewall (WS) at 20 fbg had a concentration of 150 mg/kg. A soil sample collected from the excavation south sidewall A (SSA) at 10 fbg had a concentration of 270 mg/kg. A soil sample collected from the excavation east sidewall (ES) at 5 fbg had a concentration of 190 mg/kg. A soil sample collected from the ES at 10 fbg had a concentration of 130 mg/kg. All these soil samples were collected as additional excavation confirmation samples on December 15, 2006. The locations where these soil samples were collected are shown on Figure 3.

CRA has prepared cross sections to visually depict the residual concentrations remaining on-Site. Figure 8 depicts the orientation of the residual concentration cross-sections. Figure 9 presents a cross-section of the Site oriented from north to south (cross-section CS1-CS1'). Figure 10 presents a cross-section of the Site oriented from

northwest to southeast (cross-section CS2-CS2'). Figure 11 presents a cross-section of the Site oriented from west-southwest to east-northeast (cross-section CS3-CS3'). It should be noted that on November 29, 2006, CRA observed the excavation extended to twenty feet below grade. This was still the case when CRA returned to the Site on December 15, 2006. However, when CRA arrived to the Site on December 15, 2009, settling had occurred where the excavation had been backfilled and the grade was a one foot lower (at the center) than it was shortly after the excavation. The cross sections have been prepared to depict this occurrence.

The hydrocarbon impact in Site groundwater is limited to the vicinity of monitoring well MW-2, in the former AST area. Current and historic groundwater analytical results are presented in Table 4, and groundwater elevations are presented in Table 1. CRA collected the most recent comprehensive groundwater data set on September 29, 2010.

## **5.2 VERTICAL EXTENT OF CONTAMINATION**

Based on soil concentration data and the stratigraphy logged in boring SBD-1, the majority of residual diesel impact (13,000 mg/kg) is present in a rather thin, saturated layer (approximately one foot thick), beneath the clean fill (> 19 fbg) and above the water table. Based on diminishing degree of staining and petroleum odor observed during the borehole installation, the residuals appear to terminate in a silty sand unit at 21.7 fbg where an underlying permeable sand and gravel was encountered and very low concentrations (2.0 mg/kg) of diesel as unknown hydrocarbon was encountered. No diesel range hydrocarbons were detected in soil samples collected below the water table (approximately 28 fbg).

## **5.3 RESIDUAL MASS**

As stipulated in the November 12, 2009 correspondence from SCDRM, CRA has prepared calculation estimates of residual compound mass remaining in soil. The mass calculations were based on qualified soil sample analytical data collected from 20 fbg and the vertical extent of impact observed in the lithology of the stratigraphic profile. Certain assumptions pertaining to the lateral extent of the impact were based on area limits of the soil excavation footprint. Additionally, an estimate of remaining mass was based on the average of all soil confirmation samples collected from the excavation

bottom, including SBD-1 at 20 fbg (13,000 mg/kg). The residual mass calculations and assumption rationale are presented in Appendix G.

CRA also prepared calculations of the compound mass which was removed as part of the November 29, 2006 Site excavation activities. This quantity was added to the estimated mass remaining on-Site to determine the original mass of impact (prior to the remedial action). CRA divided the estimated mass remaining on-Site by the original mass of impact to determine the percent of the original mass that remains on-Site.

Based on the criteria outlined in Appendix G, CRA calculated the following estimates for residual mass of diesel related compounds remaining in the soil, mass removed during soil excavation activities, and percent of mass that remains:

- Estimate of Mass Remaining --- 782 lbs.
- Estimate of Mass Removed --- 16,594 lbs.
- Percent of Initial Mass Remaining -- 4.5 percent

#### 5.4 EFFECTS ON GROUNDWATER

Depth to groundwater at the Site varies between 15.75 and 28.55 fbg. A lens of impacted soil remains on Site between 19 and 21.7 fbg, beneath the previous excavation limits. The effect of this lens of impacted soil is monitored through groundwater concentrations from monitoring well MW-2, installed in the center of the previous excavation limits and screened 13.5 to 28.5 fbg. CRA prepared a graph of MW-2 concentrations and groundwater elevations versus time (presented in Appendix H). Upon plotting all data gathered to date, it becomes apparent that if Site groundwater elevations rise into or above the lens of impacted soil, diesel as unknown hydrocarbon leaches from Site soil into groundwater. Groundwater then becomes an impacted medium for the Site and the potential exposure pathways for groundwater were considered when evaluating risks to public health and safety and ecological receptors.

## 6.0 REQUEST FOR NO FURTHER ACTION REQUIRED DETERMINATION

This request for a determination of NFAR is based on the Site conditions meeting closure scenario #2 of the “Tri-Regional Recommendations” (CRWQCB-CVR, 2004), which requires demonstration that:

- risks to public health and safety and ecological receptors are reduced to insignificant levels, and
- groundwater contains detectable contaminants below water quality objectives and concentrations are expected to reach background conditions through natural processes within a reasonable period of time.

### 6.1 RISKS TO PUBLIC HEALTH AND SAFETY AND ECOLOGICAL RECEPTORS

To evaluate the potential health risk to future on-Site occupants and potential future residents, CRA conducted a Tier 1 risk assessment following the guidelines outlined in the CRWQCB-SFBR Guidance Document. The CRWQCB-SFBR approach compares representative chemical concentrations to ESLs to determine whether further evaluation is warranted, to prioritize areas of concern, to establish initial cleanup goals, and to estimate potential health risks. The presence of a chemical at concentrations in excess of an ESL does not necessarily indicate that adverse impacts to human health or the environment are occurring; it simply indicates that additional assessment may be warranted.

As the Site is under the jurisdiction of the CRWQCB-CVR, CRA also compared Site groundwater data to Water Quality Objectives (WQOs) as published in the CRWQCB-CVR’s April 1, 2004 memorandum “Beneficial Use-Protective Water Quality Limits for Components of Petroleum Based Fuel.”

#### 6.1.1 CONCEPTUAL SITE MODEL

A conceptual site model (CSM) describes the relationship between the impacted media and receptors that may be exposed to chemicals originating from a site. CRA developed the CSM for the Site based on review of available geological and analytical data and an evaluation of potential transport and exposure pathways. The following

information is included in the CSM: (a) primary chemical source; (b) impacted media; (c) release mechanism; (d) secondary source; and (e) potential exposure pathways.

- *Primary Chemical Source and Impacted Media:* The source of the petroleum hydrocarbons is the former diesel AST. Collected analytical data indicate the presence of TPHd in soil and diesel as unknown hydrocarbon in groundwater at the Site.
- *Release Mechanism and Secondary Source:* Diesel was released from the AST in the course of its useful life. Diesel was released to the Site soil beneath the AST and reached the groundwater table. The diesel-impacted soil is a secondary chemical source.
- *Potential Exposure Pathways for Receptors to Surface Soil:* Diesel has impacted both surface and subsurface soils at the Site. Potential exposure pathways for receptors to surface soil include dermal contact and ingestion, and inhalation of outdoor air if volatilization or dust emissions occur. Potential exposure pathways for receptors to subsurface soil include leaching to groundwater and inhalation of indoor air if volatilization were to occur. Diesel has impacted groundwater at the Site. Potential exposure pathways to groundwater include ingestion of groundwater and inhalation of indoor air. CRA confirmed which exposure pathways are complete at the Site based on the distribution of hydrocarbons on-Site, geology/hydrogeology, and chemistry of TPHd. Upon determining complete exposure pathways, CRA compared Site-specific analytical data to applicable ESLs, and also the CRWQCB-CVR water quality objectives in the case of groundwater.

### **6.1.2 TIER 1 RISK ANALYSIS OF SOIL IMPACT**

Site soil was investigated in February and May 2005, November and December 2006, and December 2009. In total, 64 soil samples have been collected and analyzed from the Site (excluding stockpile samples). Twenty of the soil samples were collected from soil which was excavated during the November 2006 remedial action.

### **6.1.2.1 SCREENING CRITERIA**

Based on the detected concentrations of chemicals of concern (COCs) in Site soil to date, the data were compared to ESLs from the following tables in *Screening for Environmental Concerns at Sites with Contaminated Soils and Groundwater* (mentioned in the order they are referenced in the text):

- Table G. Soil Screening Levels for Leaching Concerns
- Table K-1. Direct Exposure Soil Screening Levels – Residential Exposure Scenario
- Table H-2. Components for Shallow Soil Gross Contamination Level
- Table K-3. Direct Exposure Soil Screening Levels – Construction/Trench Worker Exposure Scenario
- Table H-3. Components for Deep Soil Gross Contamination Ceiling Levels

### **6.1.2.2 VOLATILE ORGANIC COMPOUNDS**

The two stockpile soil samples were analyzed for volatile organic compounds (VOCs). One stockpile soil sample was collected to characterize soil taken off-Site to a designated facility. The other stockpile soil samples were collected to characterize soil to be re-used as backfill. The sample from the impacted stockpile contained ethylbenzene and xylenes at concentrations of 0.025 mg/kg and 0.11 mg/kg, respectively. The stockpile had a TPHd concentration of 6,400 mg/kg. No VOCs were detected in the sample from the clean stockpile. The clean stockpile had a TPHd concentration of 71 J mg/kg. Neither of these samples contained VOC concentrations exceeded even the lowest soil ESLs. Therefore VOCs are not COCs at the Site.

### **6.1.2.3 TOTAL PETROLEUM HYDROCARBONS**

At 16 sample locations, the TPHd Soil Screening Level for Leaching Concerns (83 mg/kg - see “Table G. Soil Screening Levels for Leaching Concerns” in the Guidance Document), was exceeded. Ten of those soil samples were collected from soil which was excavated during the November 2006 remedial action. At six excavation sidewall locations and one excavation bottom location, total TPHd concentrations were left in place at concentration above the applicable screening criteria. The locations are given in the table below.

<b>TABLE C. CONCENTRATIONS OF DIESEL EXCEEDING LOWEST SOIL ESL THAT WERE LEFT IN PLACE</b>				
<i>Sample Location</i>	<i>Sample Depth</i>	<i>Sample Date</i>	<i>Total Petroleum Hydrocarbons as Diesel</i>	<i>Diesel as Unknown Hydrocarbon</i>
--	<i>fbg</i>	--	<i>(mg/kg)</i>	<i>(mg/kg)</i>
Excavation East Bottom	20	11/29/2006	<b>1800</b>	130 U
Excavation East Sidewall	15	12/15/2006	1.2 U	<b>93 J</b>
Excavation East Sidewall	10	12/15/2006	5.9 U	<b>130 J</b>
Excavation East Sidewall	5	12/15/2006	5.8 U	<b>190 J</b>
Excavation South Sidewall - A	10	12/15/2006	11 U	<b>270 J</b>
Excavation West Sidewall	20	12/15/2006	<b>150</b>	5.8 U
SBD-1	19.5 - 20	12/15/2009	<b>13000</b>	120 U

**Bold Text** = The detected concentration exceeds the applicable screening level.

U = The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J = The associated value is qualified as an estimated quantity.

At sample location Excavation East Sidewall (ES on Figure 3), a shallow soil sample contained a concentration of diesel as unknown hydrocarbon that exceeded the TPHd soil screening level for direct exposure in a residential scenario (See “Table K-1. Direct Exposure Soil Screening Levels - Residential Exposure Scenario” in the Guidance Document). Additionally, this shallow soil sample concentration exceeded the gross contamination screening level developed to address nuisance concerns (See “Table H-2. Components for Shallow Soil Gross Contamination Level” in the Guidance Document). This is the only location on-Site where a shallow soil concentration exceeds any of the established shallow soil screening levels for TPH (middle distillates). The detected analyte in the soil sample was not TPHd but diesel as unknown hydrocarbon. The detected concentration of diesel as unknown hydrocarbon from sampling location ES did not greatly exceed the applicable screening criteria. It is reasonable to assume the concentration of diesel as unknown hydrocarbon at sample location ES will attenuate to below direct-exposure and gross-contamination screening criteria in a reasonable amount of time. Therefore, neither nuisance odors nor direct exposure to impacted shallow soil should be considered a concern at the Site.

At sample location SBD-1, from a depth of 19.5 to 20 fbg, a deep soil sample contained a concentration of TPHd (13,000 mg/kg) that exceeded the soil screening level for direct exposure to soil by a construction or trench work (See “Table K-3. Direct Exposure Soil Screening Levels - Construction/Trench Worker Exposure Scenario” in the Guidance Document). Additionally, this deep soil sample concentration exceeded the gross

contamination screening level developed to address nuisance concerns (See “Table H-3. Components for Deep Soil Gross Contamination Ceiling Levels” in the Guidance Document.)

In CRA’s *Additional Site Investigation Report* (February 2010), 782 pounds of diesel were assumed to remain in Site soil at a depth of 19 to 21.7 feet below ground surface. This soil was assumed to have an average concentration of 2,157 mg/kg (based on the average of all soil samples collected from the excavation bottom [20 fbg]). This concentration is below both the TPH (middle distillates) direct exposure deep soil screening level (4,200 mg/kg) and the TPH (middle distillates) gross contamination deep soil screening level (5,000 mg/kg). The average concentration of TPHd in Site deep soils does not pose a significant risk to either construction/trench workers who may come into contact with soil, nor does it pose a nuisance concern. Pockets of higher concentrations were observed in Site soil; however, the concentrations of TPHd decreased rapidly in all directions from the source area. Therefore, nuisance odors and direct exposure to deep soil are not concerns at the Site.

Volatilization of TPHd from soil to indoor air is not a concern. The TPHd is the only COC remaining in Site soil. TPHd is not a volatile organic compound as the boiling point for diesel is between 150 to 371 degrees Celsius (see MSDS included in Appendix I). The temperature required for TPHd to volatilize will not occur in Site soil. Therefore, this exposure pathway is not complete.

Based on this evaluation, TPHd is a COC in Site soil. The major risk to public health posed by the TPHd impact that remains in Site soil is leaching to groundwater. This scenario is analyzed and discussed in Section 6.2.

### **6.1.3 TIER I RISK ANALYSIS OF GROUNDWATER IMPACT**

Site groundwater was investigated in May 2005 when four groundwater samples were collected from temporary Geoprobe® borings. Site groundwater has also been investigated in March 2007, October 2007, February 2008, May 2008, December 2009, March 2010, June 2010, and September 2010, when groundwater samples were collected from permanent monitoring wells. In total, 36 groundwater samples have been collected at the Site.



### 6.1.3.1 SCREENING CRITERIA

Based on the detected concentrations of chemicals of concern (COCs) in Site soil to date, the data were compared to ESLs from the following tables in *Screening for Environmental Concerns at Sites with Contaminated Soils and Groundwater*:

- Table F-1a. Groundwater Screening Levels (groundwater is a current or potential drinking water resource)
- An appropriate water quality numerical limit as determined upon review of the CRWQB-CVR water quality objectives, as described below.

In determining whether a beneficial use of groundwater has been compromised due to a chemical discharge, the CRWQB-CVR compares COC concentrations in Site groundwater samples to various water quality numerical limits (WQNLs). If a COC concentration in Site groundwater is greater than a specific water quality limit, than the groundwater does not meet the associated water quality objective.

There are three water quality objectives that apply to Site groundwater:

1. Chemical Constituents Water Quality Objective (which requires compliance with California Drinking Water Maximum Contaminant Levels and generally prohibits adverse effects on beneficial uses),
2. Toxicity Water Quality Objective (which prohibits toxic chemicals in toxic amounts), and
3. Taste and Odors Water Quality Objective (which prohibits adverse tastes and odors or nuisance conditions).

In the CRWQCB-CVR April 1, 2004 memorandum, *Beneficial Use-Protective Water Quality Limits for Components of Petroleum Based Fuels*, two numerical limits are presented for Diesel in the attachment "Water Quality Numerical Limits for Petroleum Fuel Mixtures." The numerical limit for Diesel associated with the Toxicity Water Quality Objective is a range of values from 46 µg/L to 140 µg/L. The numerical limit for the Tastes and Odors Water Quality Objective is 100 µg/L, the same value as the ESL for groundwater ingestion. CRA compared Site groundwater TPHd concentrations to the most stringent water quality numerical limit (46 µg/L), because concentrations below this screening indicate all water quality objectives for Site groundwater are met. It should be noted there is no established MCL for TPHd, thus the CRWQB-CVR has not adopted a Diesel WQNL for the Chemical Constituents Water Quality Objective.

### **6.1.3.2 VOLATILE ORGANIC COMPOUNDS AND SEMIVOLATILE ORGANIC COMPOUNDS**

The May 2005 groundwater samples were analyzed for VOCs. For the March 2007 and February 2008 groundwater monitoring events, groundwater samples from all wells were analyzed for VOCs and SVOCs in addition to TPHd. Additionally, in February 2008 a groundwater sample was collected from MW-X and submitted for analysis of VOCs and SVOCs. At the October 2007 and May 2008 groundwater monitoring events, groundwater samples from well MW-2 were submitted for analysis of VOCs and SVOCs. No groundwater samples collected from the Site have ever contained a concentration of VOCs or SVOCs above the method reporting limit. Therefore, neither VOCs or SVOCs are COCs at the Site.

### **6.1.3.3 TOTAL PETROLEUM HYDROCARBONS**

As discussed in Section 6.1.3, 36 groundwater samples have been collected at the Site. Nine of those groundwater samples contained concentrations of TPHd in excess of the TPH (middle distillates) ESL for groundwater ingestion -100 µg/L [See “Table F-1a. Groundwater Screening Levels (groundwater is a current or potential drinking water resource)”. This is the lowest screening level applicable to TPHd published by the CRWQB-SBR. Twelve of those samples contained concentrations in excess of the NWQL.

Out of the four May 2005 groundwater samples, three samples contained concentrations of TPHd that exceeded the applicable ESL of 100 µg/L. These same three samples contained concentrations of TPHd that exceeded the applicable WQNL of 46 µg/L. One of the samples contained a concentration of TPHd that grossly exceeded both applicable screening criteria (310,000 µg/L). The soil from the location where this sample was collected was removed when the Site was excavated. Therefore, the immediate and unacceptable risk posed to Site groundwater was treated by Site remediation activities.

Upon completion of the remedial action, CRA oversaw the installation of a monitoring well network made up of four monitoring wells, MW-1 through MW-4. Groundwater samples have been collected from the wells eight times since the remedial action was implemented. No groundwater samples from any of the wells contain detectable concentrations of TPH (as Diesel) with the exception of well MW-2. Groundwater

samples from well MW-2 have contained concentrations of TPH (as Diesel) in excess of the applicable NWQL for six of the last eight groundwater monitoring events. Those same samples contained concentrations of TPH (as Diesel) in excess of the applicable ESL five of the last eight groundwater monitoring events.

Overall, concentration of TPHd in Site groundwater has not been observed at concentrations much in excess of the applicable NWQL or ESL, with the exception of one grab groundwater sample. The soil was removed from the location where this grab groundwater was collected.

Volatilization of TPHd from groundwater to indoor air is not a concern. The TPHd is the only COC remaining in Site groundwater. As previously discussed, TPHd is not a volatile organic compound as the boiling point for diesel is between 150 to 371 degrees Celsius (see MSDS included in Appendix I). The temperature required for TPHd to volatilize will not occur in Site groundwater. Therefore this exposure pathway is not complete.

After completion of the remedial action, the only complete exposure pathway for receptors to groundwater is through ingestion. This scenario is analyzed and discussed in detail in Section 6.2.

## **6.2 GROUNDWATER CLOSURE CONDITIONS**

Over the course of the past 5 years, investigation and remediation activities have been completed at the Site. Over this time period, the investigative activities included the collection and analysis of numerous soil samples, grab groundwater samples (from borings), and groundwater samples (from monitoring wells). Based on review of these data and potential receptors, CRA concludes risks to public health and safety and ecological receptors are at low to insignificant levels. The following sections provide a discussion of how the Site meets the criteria for low-risk groundwater case closure as detailed in the CRWQCB-CVR's "Appendix A - Reports Tri-Regional Board Staff Recommendations for Preliminary Investigations and Evaluation of Underground Storage Tank Sites."

### **6.2.1 ONGOING SOURCES HAVE BEEN REMOVED**

The analysis of these samples, as discussed in this report, indicated that the greatest risk comes from TPHd leaching from the impacted soil that remains in place into Site groundwater. This phenomenon has been monitored via monitoring well MW-2, installed through the backfilled excavation in March 2007. As can be seen in Graph 1, included in Appendix H, the concentrations of TPHd appear to be increasing with time when quarterly sampling was initiated for the Site during 2007 and 2008. However, additional quarterly monitoring, which took place at the Site in 2009 and 2010, have provided data that indicate that concentrations appear to be decreasing and are currently non-detect. It appears that when groundwater reaches the previously discussed impacted zone, concentrations of diesel as unknown hydrocarbon in Site groundwater increase and when groundwater is below the impacted layer, concentrations of diesel as unknown hydrocarbon decrease. Locally, groundwater elevations have been observed to vary between 15 and 29 fbg. It is likely that groundwater elevation will at times be in contact with impacted soils. What the soil and groundwater data collected during this investigation reveals is the residual diesel source does not impact groundwater as diesel, but as unknown hydrocarbons in the diesel range and is most likely a weathering phenomenon related to natural attenuation. Additionally, the data indicate that the residual diesel mass remaining does not significantly impact groundwater at concentrations exceeding the ESL for diesel (100 µg/L). These groundwater concentrations degrade to non-detect levels in a relatively short time period.

### **6.2.2 DISSOLVED PLUME IS NOT MIGRATING**

Outside the November 2006 excavation limit, the impact to Site groundwater is monitored by MW-X and MW-1, MW-3, and MW-4. Well MW-X is the closest well to MW-2. Although the screened interval of well MW-X is not known, the depth of the well is 36 fbg. Therefore, it is reasonable to assume that MW-X is screened in the same aquifer as wells MW-1 through MW-4. Furthermore, while installing wells and boring SBD-1, CRA observed no evidence of an impermeable layer up to a depth of 35 fbg. Since May 2005, groundwater elevations have been measured on eight separate occasions. At eight of these times, the groundwater flow direction was northerly, ranging from northwest to north-northeast. A southerly groundwater flow has only been observed one time, in December of 2009. The well to the north of the Site is MW-3. No COCs have ever been detected in this well.

**6.2.3 NO AGRICULTURAL WELLS ARE  
LIKELY TO BE IMPACTED**

The closest existing wells are irrigation wells, and all those are located more than 1,000 feet from the Site. No information is available on the surface seals of these wells. One well is an irrigation well associated with Well Completion Report (WCR) 46-684. Though no information is available on the sanitary surface seal for this well, its screened interval starts at 123 fbg. This well has intermittent screens of various lengths to a depth of more than 300 fbg. The next closest well is also an irrigation well, associated with WCR 48-774. Its screened interval extends from 266 fbg to 274 fbg. This well has a surface sanitary seal, but no information was provided as to how deep the surface seal extends beneath surface. These wells were identified and discussed in CRA's September 2008 *Sensitive Receptor Report* and CRA's October 10, 2008 correspondence *Addendum to Fourth Quarter 2007/2008 Groundwater Monitoring Report and Sensitive Receptor Survey Report*. Both documents are presented in Appendix E.

Given the depth of the agricultural wells in the vicinity of the Site and their distance, as well as the low concentrations of diesel as unknown hydrocarbon that have been detected in Site groundwater, it is improbable that detectable concentrations of diesel as unknown hydrocarbon could reach these sensitive receptors. Therefore, the Site impact does not impair the use of groundwater for irrigation by agricultural wells.

**6.2.4 NO FUTURE MUNICIPAL WELLS  
ARE LIKELY TO BE IMPACTED**

The Site is currently undeveloped in an agricultural area of the City of Dixon (City). The City uses wells for its municipal water supply. Therefore, the city could install or use wells on or near the Site as a water source. As can be seen when groundwater elevations are plotted versus time, Site groundwater elevations have been below the zone of impact at four of the eight quarterly monitoring events that were conducted. If the City were to install or use wells on or near the Site and begin pumping groundwater into the municipal water supply, the water table would most likely be lowered. Given the large pumping rates of municipal extraction wells, the range of groundwater elevations at the Site would shift downward by several feet. If the city used or installed a back-up supply well, for use only in times of shortage, the water table would lower the zone of impact by other uses of water, such as pumping for agricultural uses.

**6.2.5      SITE PRESENTS NO SIGNIFICANT RISK TO HUMAN  
HEALTH OR ENVIRONMENT**

Based on the collection and analyses of the data, the Site condition is this: there is a layer of impacted soil between 19 fbg and 21.7 fbg which exists beneath the November 2006 excavation limits and contains an average hydrocarbon concentration of 2,157 mg/kg. When the groundwater table is in contact with the impacted layer, unknown hydrocarbon as diesel leaches from the soil and impacts groundwater within the November 2006 excavation limit. Groundwater outside the excavation limit is monitored by wells MW-1, MW-3, MW-4, and MW-X. Unknown hydrocarbon as diesel has not been detected in any of these wells, indicating that groundwater outside the excavation limit has not been impacted. More simply put; the real world data provided no evidence that the impact would affect any existing agricultural wells or possible future domestic/municipal wells.

Based on this data, it can be concluded that the Site no longer poses a significant threat to human health or the environment resulting from the former AST.

## **7.0 CLOSURE REQUIREMENTS**

### **7.1 RECORD FEE TITLE HOLDER NOTIFICATION**

Pursuant to Section 25297.15 of Chapter 6.7 of the California Health and Safety Code, record fee title holder of the subject property is aware of the request for NFAR. OML is the record fee title holder and a copy of this site closure summary report has been sent to the property owner at the following address:

Mr. Mike Rogers  
Ocala Meadows Lands  
14875 Bayview Ave  
Aurora, Ontario L4G 3G8

### **7.2 GEOTRACKER UPLOAD VERIFICATION**

All required documents associated with Site cleanup activities have been uploaded to GeoTracker in accordance with the requirements of AB2886 and Chapter 30, Division 3, of Title 23 of the California Code of Regulations.

### **7.3 WELL ABANDONMENT**

CRA will arrange for well abandonment as soon as concurrence with this NFAR Report is issued by the CRWQCB-CVR. Upon completion of the well abandonment activities, Well Completion Reports (the California Department of Water Resource's [CDWR] Form 188) will be completed and sent to the CDWR.

### **7.4 LIST OF DOCUMENTS**

A list of technical reports submitted for Site assessment, corrective action, confirmation sampling, and closure is included in Appendix J.

## 8.0 CONCLUSIONS

The information presented in this report demonstrates that the subject site meets the NFAR criteria specified in the “Tri-Regional Recommendations” (CRWQCB-CVR, 2004).

### 8.1 RECOMMENDATIONS

As discussed in this report, it is CRA’s opinion that all impacts resulting from previous Site related activities have been delineated. There are currently no complete exposure pathways for receptors to the TPHd impact that remains in Site soil at a depth of 19 fbg to 21.7 fbg. Therefore, CRA recommends NFAR at the Site in regards to the former AST area.

### 8.2 LOW RISK GROUNDWATER CASE CLOSURE

Based on the data in this report, the following criteria have been met for a site to qualify for closure per CRWQCB-CVR’s “Recommendations for Preliminary Investigation and Evaluation of Underground Tank Sites.”

- The leak has stopped and ongoing sources, including free product, have been removed or remediated;
- The site has been adequately characterized;
- The dissolved hydrocarbon plume is not migrating;
- No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted; and
- The site presents no significant risk to human health or the environment.

#### 8.2.1 ONGOING SOURCES HAVE BEEN REMOVED

The impacts to Site soils resulted from a leak from the former AST as discussed in Section 6.1.1 of this report. On November 25 and 26, 2006, 95% of impacted soil was removed from the Site as part of the remedial action. Subsequent investigations indicated that impacted soil remained underneath the former AST location. Based on the results of subsequent soil sampling, an impacted soil lens exists between



19 and 21.7 fbg in the former excavation limits. The impacted soils lens is not a major source of TPHd in Site groundwater, as has been verified through eight quarterly monitoring events.

#### **8.2.2 SITE IS ADEQUATELY CHARACTERIZED**

The former AST area of the Site has been fully characterized through the collection and analysis of numerous soil samples, grab groundwater samples (from borings), and groundwater samples (from monitoring wells). Based on the data collected to date, the locations of impacted soil remaining on-Site are known.

#### **8.2.3 DISSOLVED PLUME IS NOT MIGRATING**

Although TPHd does leach into Site groundwater when the groundwater table is in contact with the lens of impacted soil, the results of groundwater monitoring have revealed that the residual diesel source does not impact groundwater as diesel, but as unknown hydrocarbons in the diesel range and is most likely a weathering phenomenon related to natural attenuation. Additionally, the data indicates that the residual diesel mass remaining below the remedial excavation does not significantly impact groundwater at concentrations exceeding the ESL for TPH (middle distillates) of 100 µg/L or the NWQL for Diesel of 46 µg/L. The plume has been demonstrated to dissipate within a relatively short time frame when groundwater is not in contact with the lens of impacted soil.

#### **8.2.4 NO WATER WELLS OR OTHER SENSITIVE RECEPTORS ARE LIKELY TO BE IMPACTED**

A sensitive receptor survey was completed for the Site in May 2008. The Site is located in an agricultural area in Dixon. Currently, area residents are supplied by Dixon's Municipal Water Department. Also, all groundwater for potable use within the City of Dixon is pumped from wells screened at a depth of 200 feet or greater. No COCs have been detected in groundwater monitoring wells MW-1, MW-3, MW-4, and MW-X. These wells are installed from 8 to 25 feet from the previous excavation limits, as depicted on Figure 3. The data from groundwater samples collected from wells MW-1, MW-3, MW-4, and MW-X indicate that the impacted soils left in place on-Site have not affected groundwater as little as 8 feet away from the previous excavation limits.

**8.2.5      SITE PRESENTS NO SIGNIFICANT RISK TO HUMAN  
HEALTH OR ENVIRONMENT**

The mass of diesel which remains in Site soil (approximately 5% of the estimated mass that was released from the AST) is located at a depth between 20 and 22.7 fbg. At this depth, the impacted soil does come into contact with groundwater. However, the concentration of TPHd in Site groundwater has been demonstrated to decrease within a reasonable amount of time to background conditions. The mass of diesel in Site soil is sufficiently deep within the subsurface that direct contact with the impact is not a concern. However, if the Site were to be redeveloped, the TPHd impact could be uncovered.

The presence of this TPHd impacted lens of soil must be communicated to any perspective purchaser of the property. However, the risks posed by the impacted lens of soil are not a deterrent from any reasonable likely future uses of the Site. Based on this evaluation, CRA, on behalf of OML, respectfully requests that the SCDRM issue a letter of no further action required for the subject SLIC case.

## 9.0 REFERENCES

California Regional Water Quality Control Board - Central Valley Region, 2004, Appendix A - Reports, Tri-Regional Board Staff Recommendations For Preliminary Investigation and Evaluation of Underground Tank Sites, April 16, 2004.

California Regional Water Quality Control Board - Central Valley Region, 2004, Beneficial Use-Protective Water Quality Limits for Components of Petroleum Based Fuels, April 1, 2004.

California Regional Water Quality Control Board - San Francisco Bay Region, 2007, Screening for Environmental Concerns at Sites with Contaminated Soils and Groundwater, Interim Final November 2007 (Revised May 2008).

For additional references refer to Appendix J

CERTIFICATION

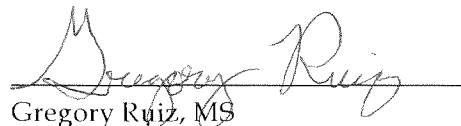
This report was prepared under the supervision of a State of California Professional Geologist and/or Registered Environmental Assessor II, by CRA in Stockton, California. All statements, conclusions and recommendations are based solely upon field studies performed by CRA and/or a local consultant subcontracted to CRA, and upon sample analyses conducted by a California state-certified laboratory. CRA is not responsible for errors in data and/or methodology provided by the subcontracted laboratory and consultant.

The service performed by CRA has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the Site. No other warranty, expressed or implied, is made.


I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances.

CONESTOGA-ROVERS & ASSOCIATES


Prepared by:

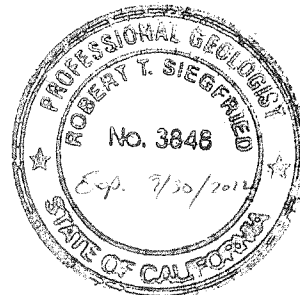
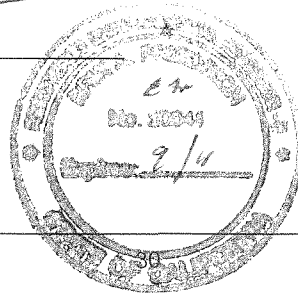
  
Gregory Ruiz, MS  
Staff Engineer

Reviewed by:

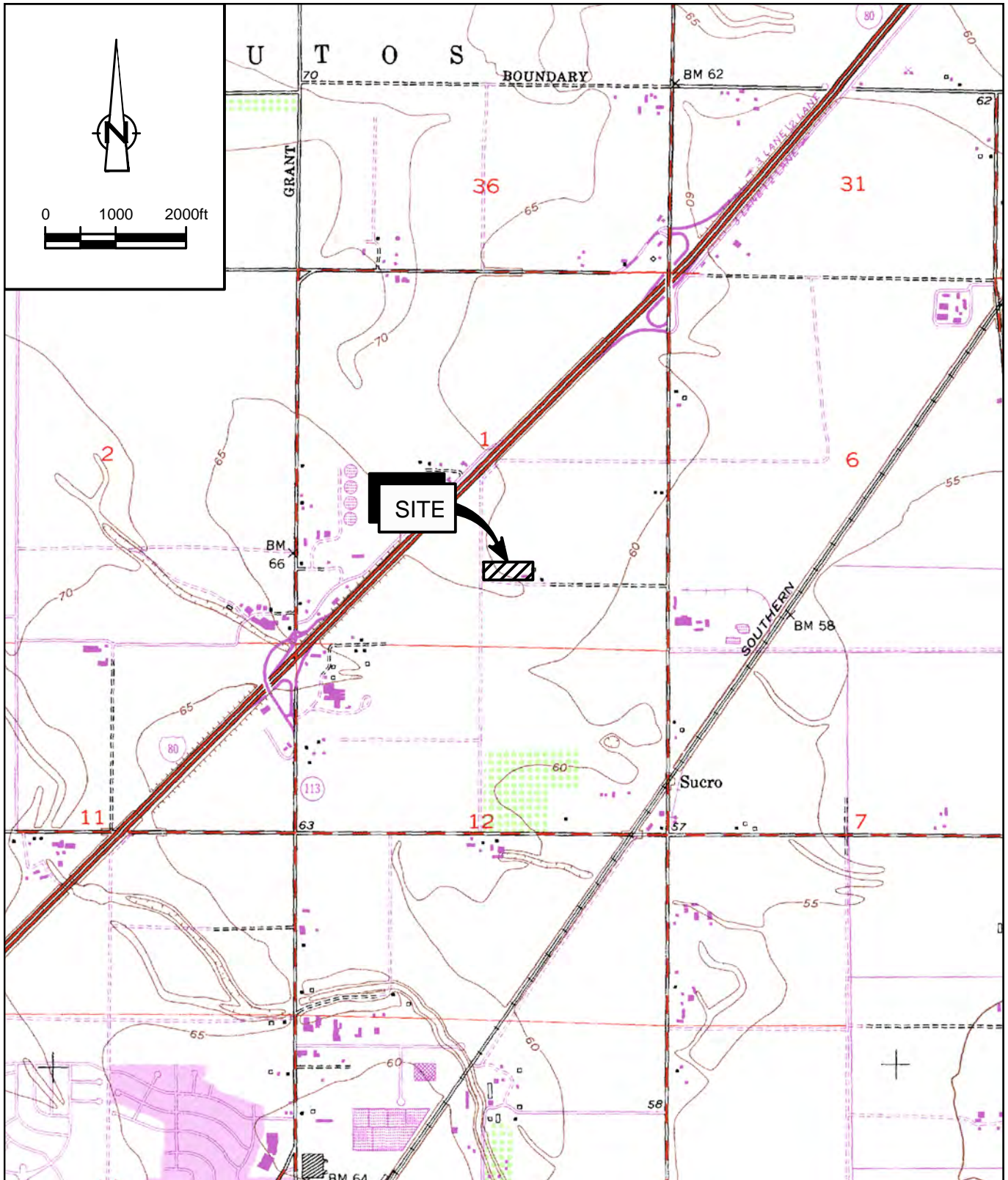
  
Robert Siegfried, PG, CEG  
Project Geologist

Reviewed by:

  
Erik Friedrich, REAII, REP  
Project Manager



## FIGURES



SOURCE: USGS QUADRANGLE MAP;  
DIXON, CALIFORNIA

figure 1  
SITE LOCATION  
MISTLER SITE  
*Dixon, California*



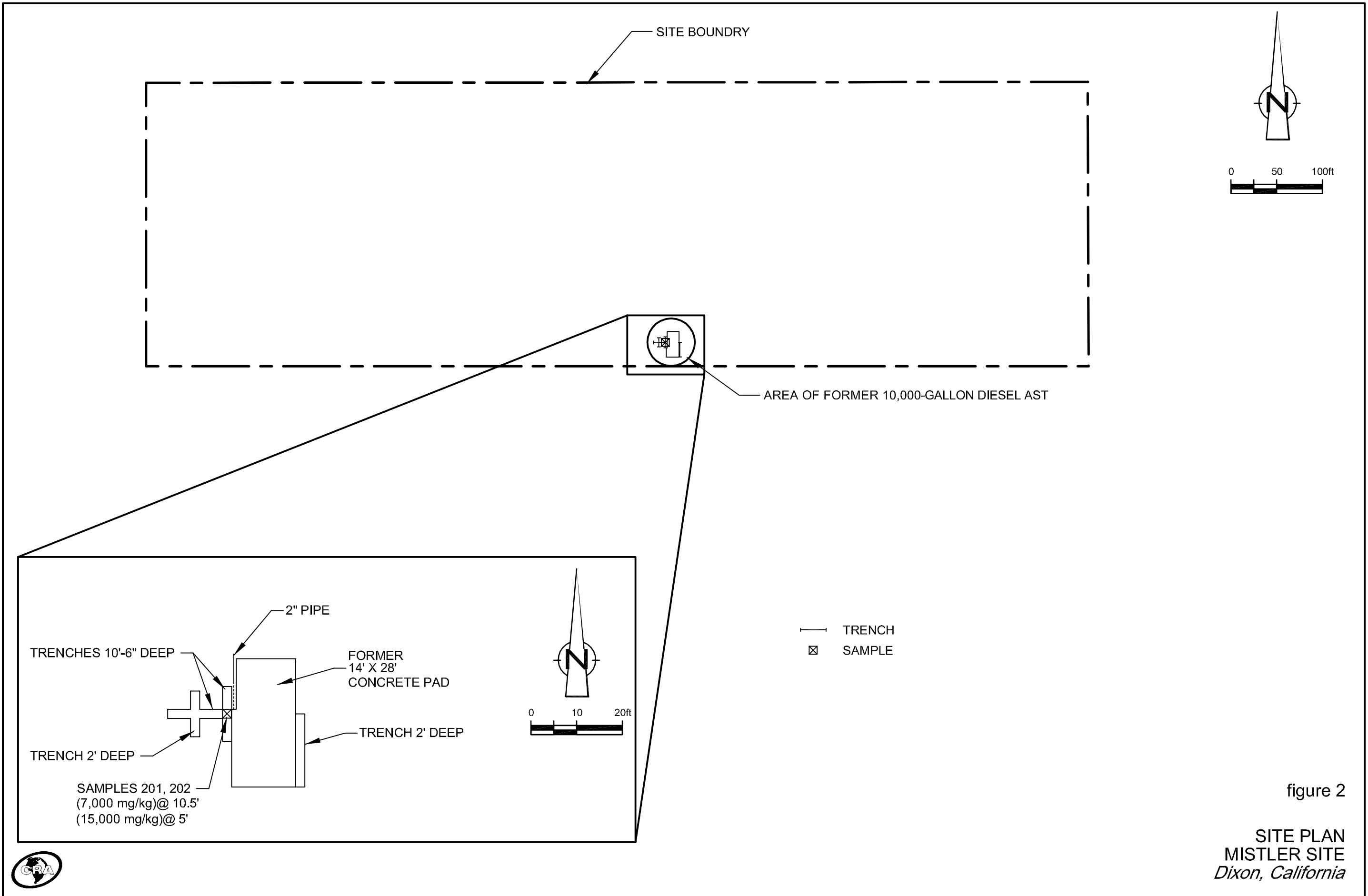
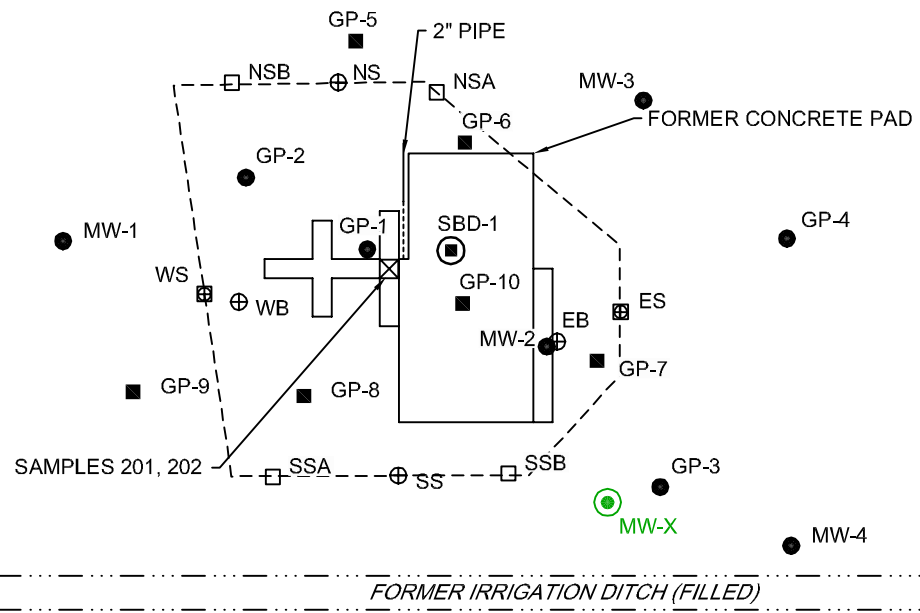


figure 2

SITE PLAN  
MISTLER SITE  
Dixon, California





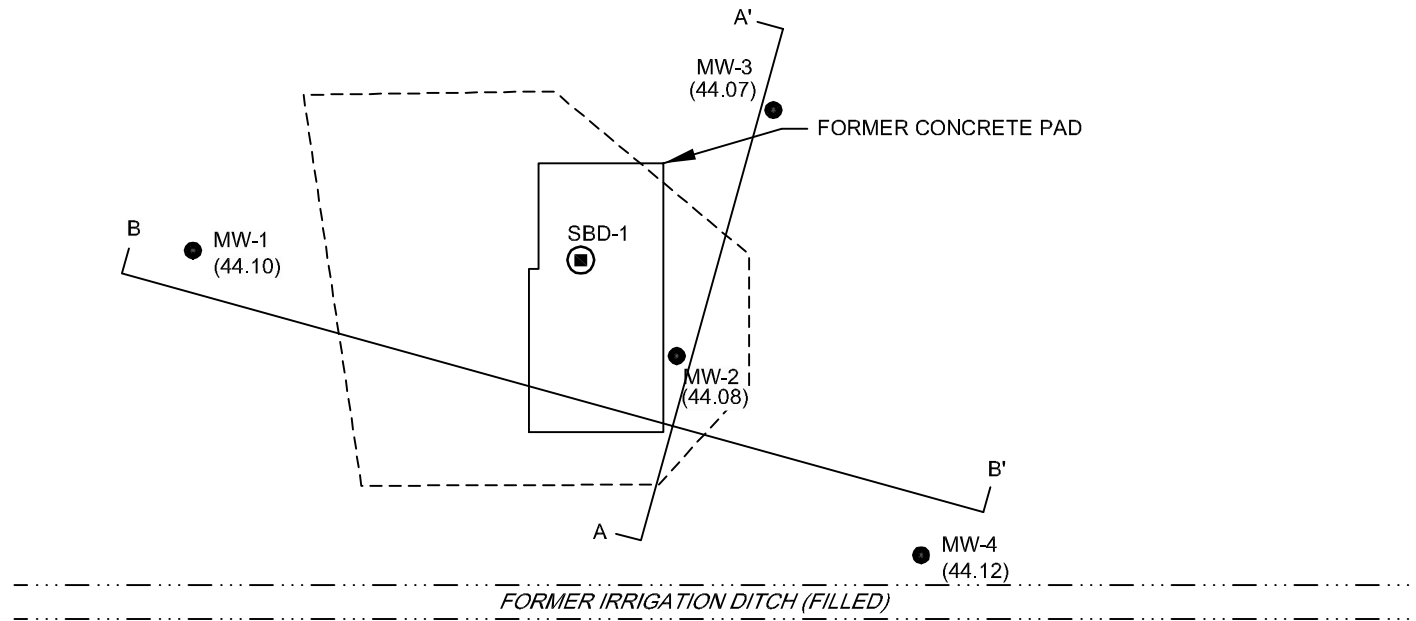
**LEGEND**

- GP-6 SOIL BORING
- ⊠ SOIL SAMPLES (TRENCH) (MARCH 2005)
- ⊕ CONFIRMATION SAMPLES (NOVEMBER 2006)
- CONFIRMATION SAMPLES (DECEMBER 2006)
- ⊞ CONFIRMATION SAMPLES (NOVEMBER AND DECEMBER 2006)
- GP-1 GROUNDWATER/SOIL BORING (MAY 2005)
- ⊙ POWER POLE
- MW-1 MONITORING WELL LOCATION
- ⊙ SBD-1 BORING LOCATION
- - - EXCAVATION LIMIT
- MONITORING WELL NOT INSTALLED BY CRA

figure 3  
**FORMER AST AREA LAYOUT**  
**ALL SAMPLING LOCATIONS (2/2005 THROUGH 12/2009)**  
**MISTLER SITE**  
*Dixon, California*







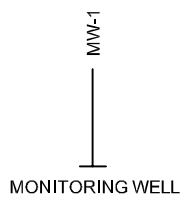
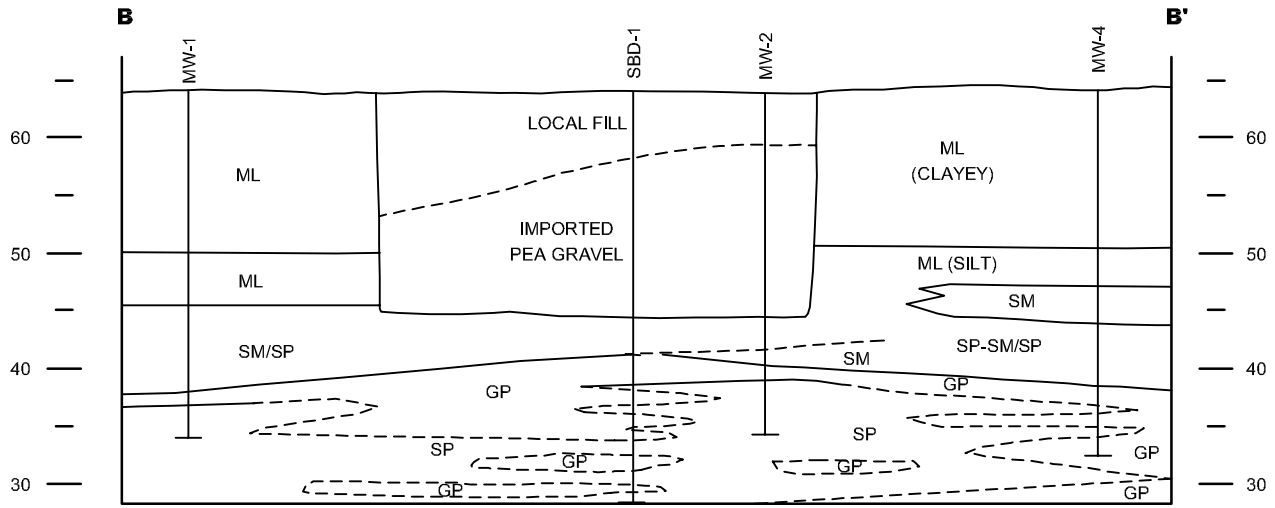
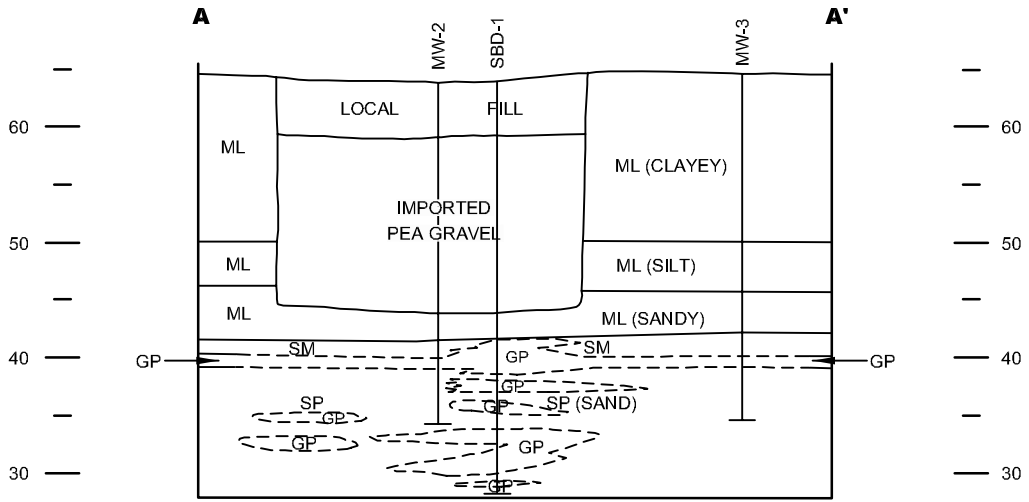
**LEGEND**

- EXCAVATION LIMIT
- MW-1 ● MONITORING WELL
- ⊕ POWER POLE
- ⊙ SBD-1 BORING LOCATION
- B B' CROSS SECTION

figure 4

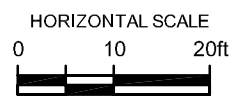
LITHOLOGIC CROSS SECTION ORIENTATION  
MISTLER SITE  
Dixon, California





**LEGEND**

ML = SILT  
 SM - SILTY SAND  
 SP-SM - SAND WITH SILT  
 SP - SAND  
 GP - GRAVEL

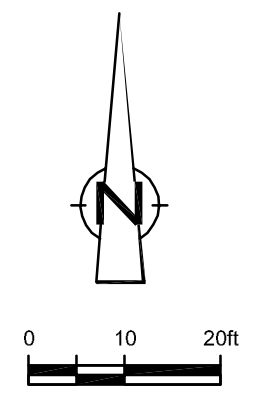
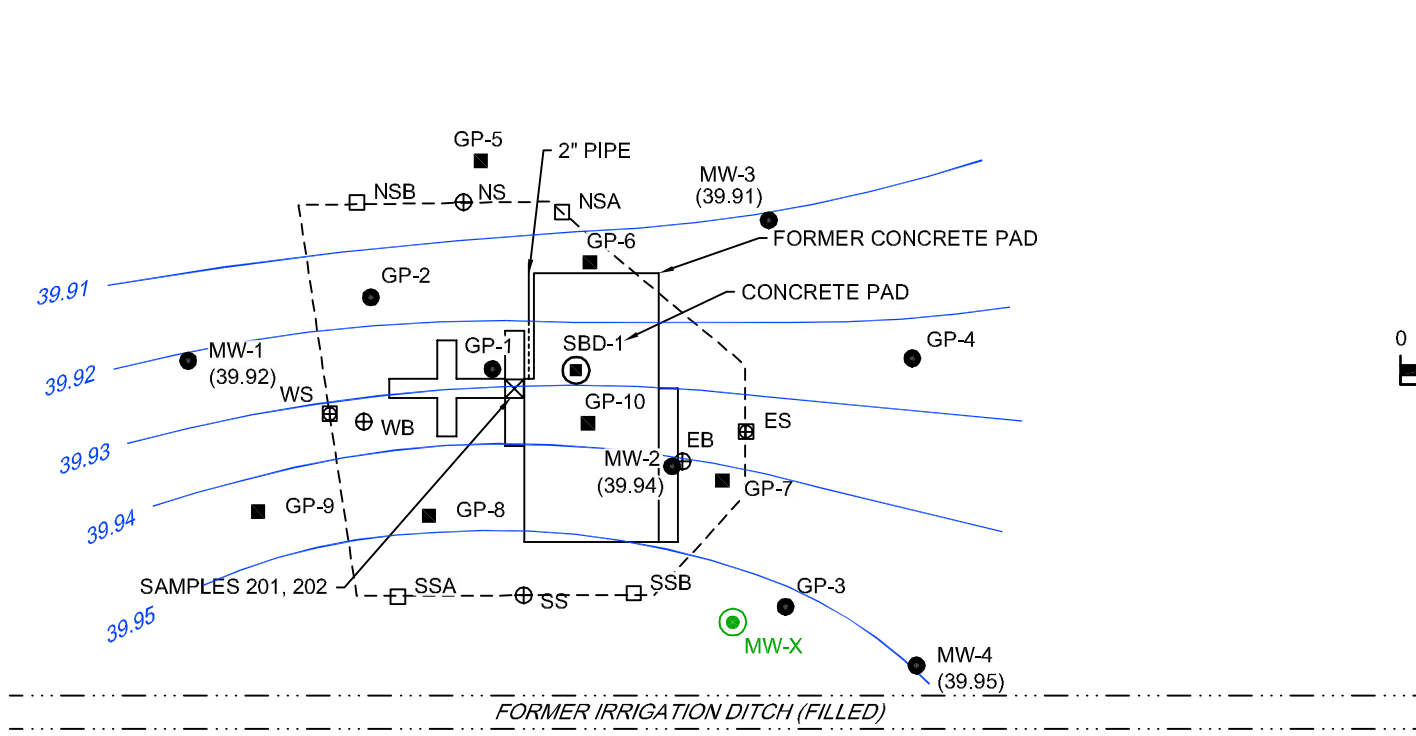


VERTICAL SCALE  
 (AS SHOWN)

figure 5

LITHOLOGIC CROSS SECTIONS  
 MISTLER SITE  
 Dixon, California





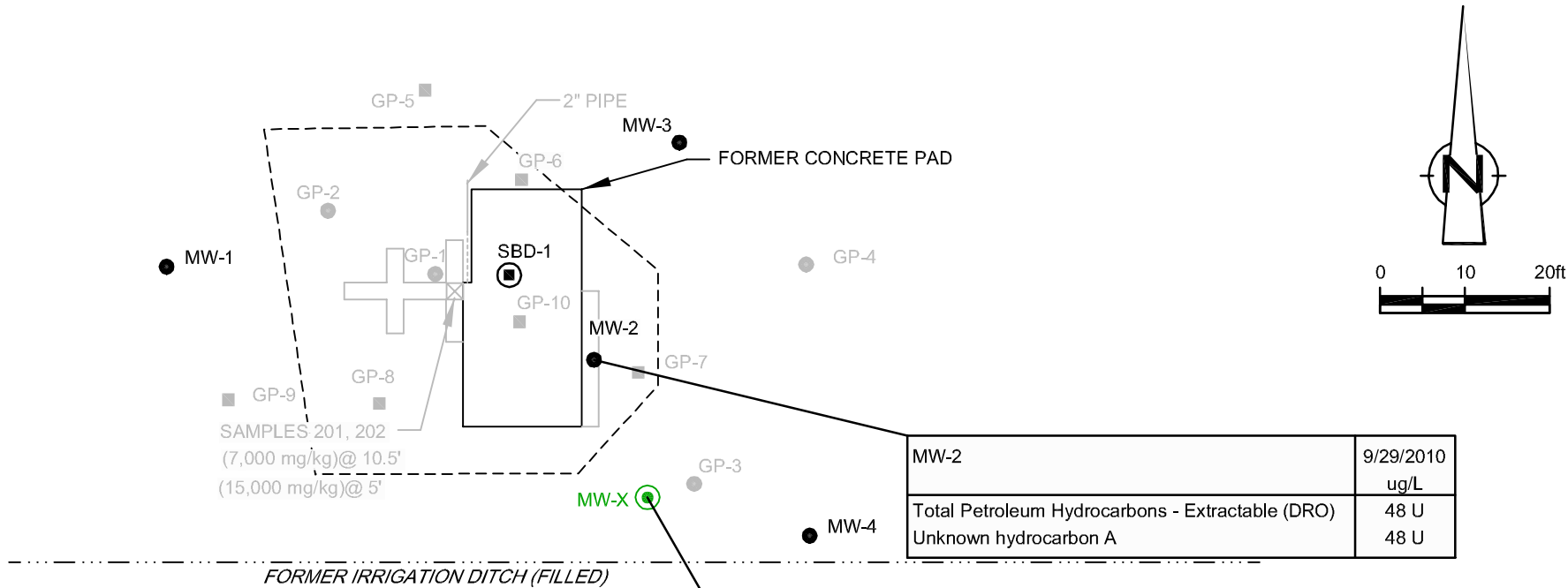
**LEGEND**

- GP-6 SOIL BORING
- ⊠ SOIL SAMPLES (TRENCH) (MARCH 2005)
- ⊕ CONFIRMATION SAMPLES (NOVEMBER 2006)
- CONFIRMATION SAMPLES (DECEMBER 2006)
- ⊞ CONFIRMATION SAMPLES (NOVEMBER AND DECEMBER 2006)
- GP-1 GROUNDWATER/SOIL BORING (MAY 2005)
- POWER POLE
- MW-1 MONITORING WELL LOCATION
- ⊙ SBD-1 BORING LOCATION
- - - EXCAVATION LIMIT
- (39.92) MONITORING WELL NOT INSTALLED BY CRA
- (39.92) GROUNDWATER ELEVATION ft, msl
- 39.91 — GROUNDWATER CONTOUR

figure 6

GROUNDWATER CONTOURS MISTLER SITE (09/29/10)  
 MISTLER SITE  
 Dixon, California





MW-2	9/29/2010
Total Petroleum Hydrocarbons - Extractable (DRO)	48 U
Unknown hydrocarbon A	48 U

MW-X	9/29/2010
Total Petroleum Hydrocarbons - Extractable (DRO)	48 U/47 U
Unknown hydrocarbon A	48 U/47 U

**LEGEND**

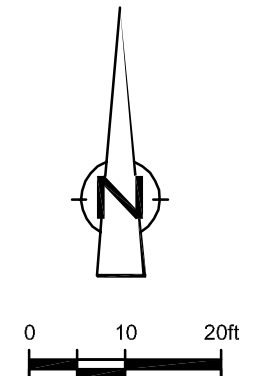
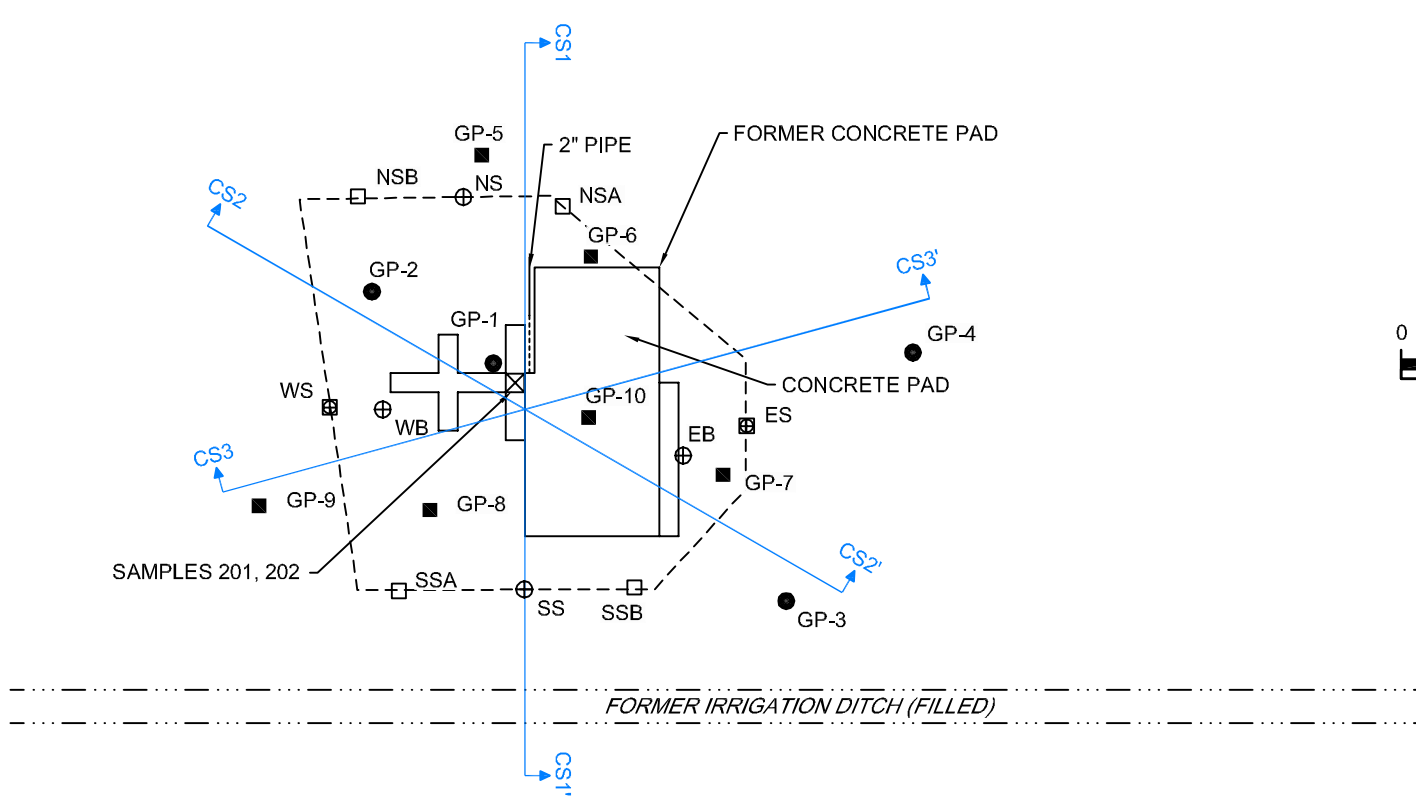
- EXCAVATION LIMIT
- MW-1 ● MONITORING WELL
- GP-6 ■ SOIL BORING
- GP-1 ● GROUNDWATER/SOIL BORING (MAY 2005)
- ⊕ POWER POLE
- ⊙ SBD-1 BORING LOCATION
- ⊙ MONITORING WELL NOT INSTALLED BY CRA

WELL ID	DATE	RESULT UNITS	RESULTS
MW-2	9/29/2010	ug/L	
Total Petroleum Hydrocarbons - Extractable (DRO)			48 U
Unknown hydrocarbon A			48 U
CHEMICAL NAME			

figure 7

**GROUNDWATER ANALYTICAL RESULTS  
MISTLER SITE  
Dixon, California**



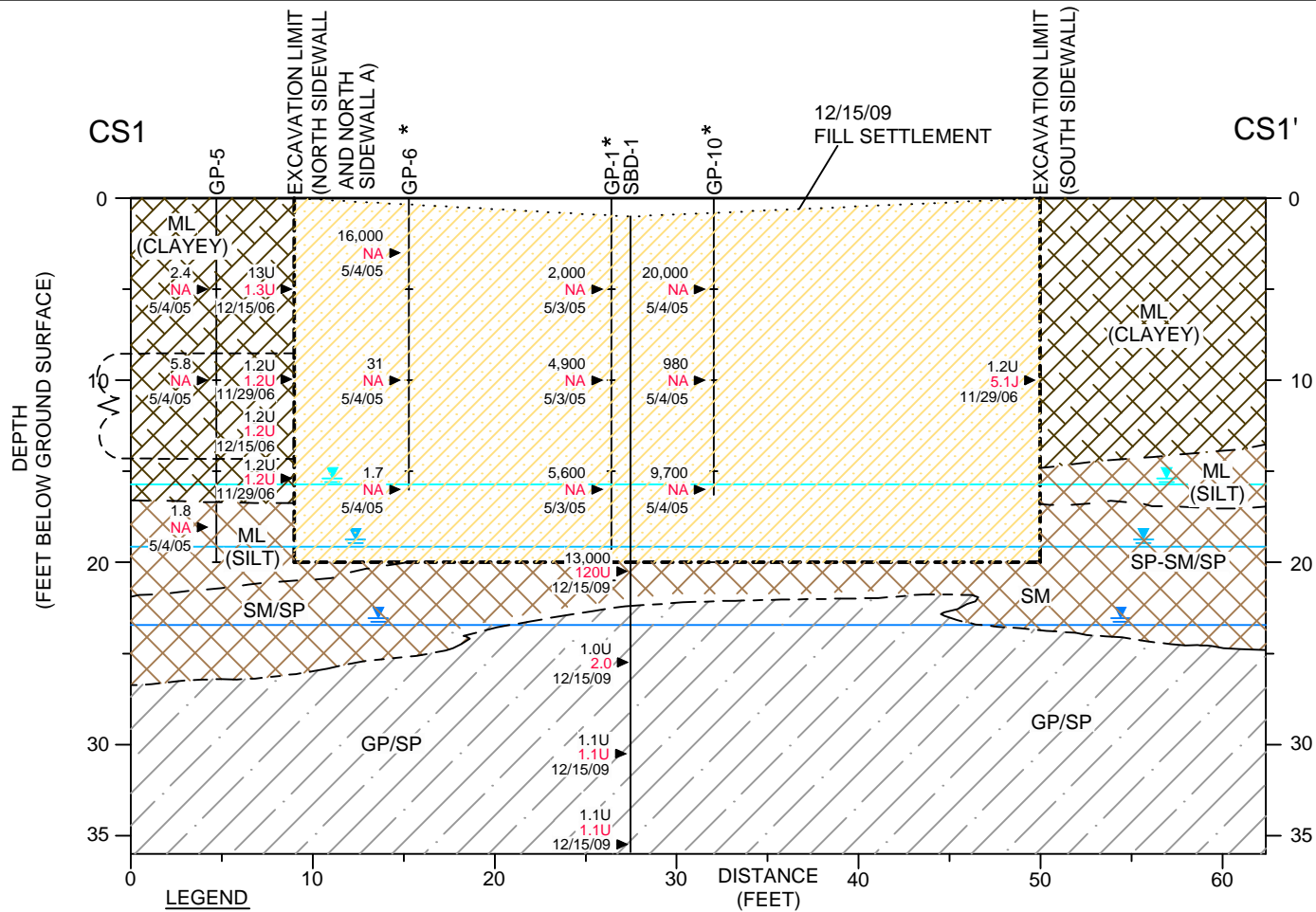


**LEGEND**

- GP-6 SOIL BORING
- ⊠ SOIL SAMPLES (TRENCH) (MARCH 2005)
- ⊕ CONFIRMATION SAMPLES (NOVEMBER 2006)
- CONFIRMATION SAMPLES (DECEMBER 2006)
- ⊞ CONFIRMATION SAMPLES (NOVEMBER AND DECEMBER 2006)
- GP-1 GROUNDWATER/SOIL BORING (MAY 2005)
- ⊖ POWER POLE
- - - - EXCAVATION LIMIT
- ↔ CROSS SECTION LOCATION

figure 8  
**RESIDUAL CONCENTRATION  
 CROSS SECTION ORIENTATION  
 MISTLER SITE  
 Dixon, California**





**LEGEND**

	OBSERVED HIGHEST WATER LEVEL
	WATER LEVEL DURING EXCAVATION
	OBSERVED DEEPEST WATER LEVEL
	EXCAVATION LIMIT
4900	TPH DRO (mg/kg)
NA	UNKNOWN HYDROCARBON (mg/kg)
5/12/2006	SAMPLE COLLECTION DATE
*	PRIOR TO EXCAVATION
ML	SILT
SM	SILTY SAND
SP-SM	SAND WITH SILT
SP	SAND
GP	GRAVEL
GP/SP	DISCONTINUOUS SAND AND GRAVEL (FINGERS AND LENSES)

	FILL
	ML (CLAYEY)
	ML/SP/SM/SP-SM
	GP/SP

**SCALES**  
 HOR. 1" = 10'  
 VER. 1" = 10'

**NOTE:** DEPTHS OF SAMPLE LOCATIONS IN SBD-1 ARE ALL ONE FOOT LESS THAN DEPICTED DUE TO FILL SETTLEMENT SINCE 11/29/06 EXCAVATION

figure 9

**CROSS SECTION CS1-CS1'**  
**MISTLER SITE**  
*Dixon, California*



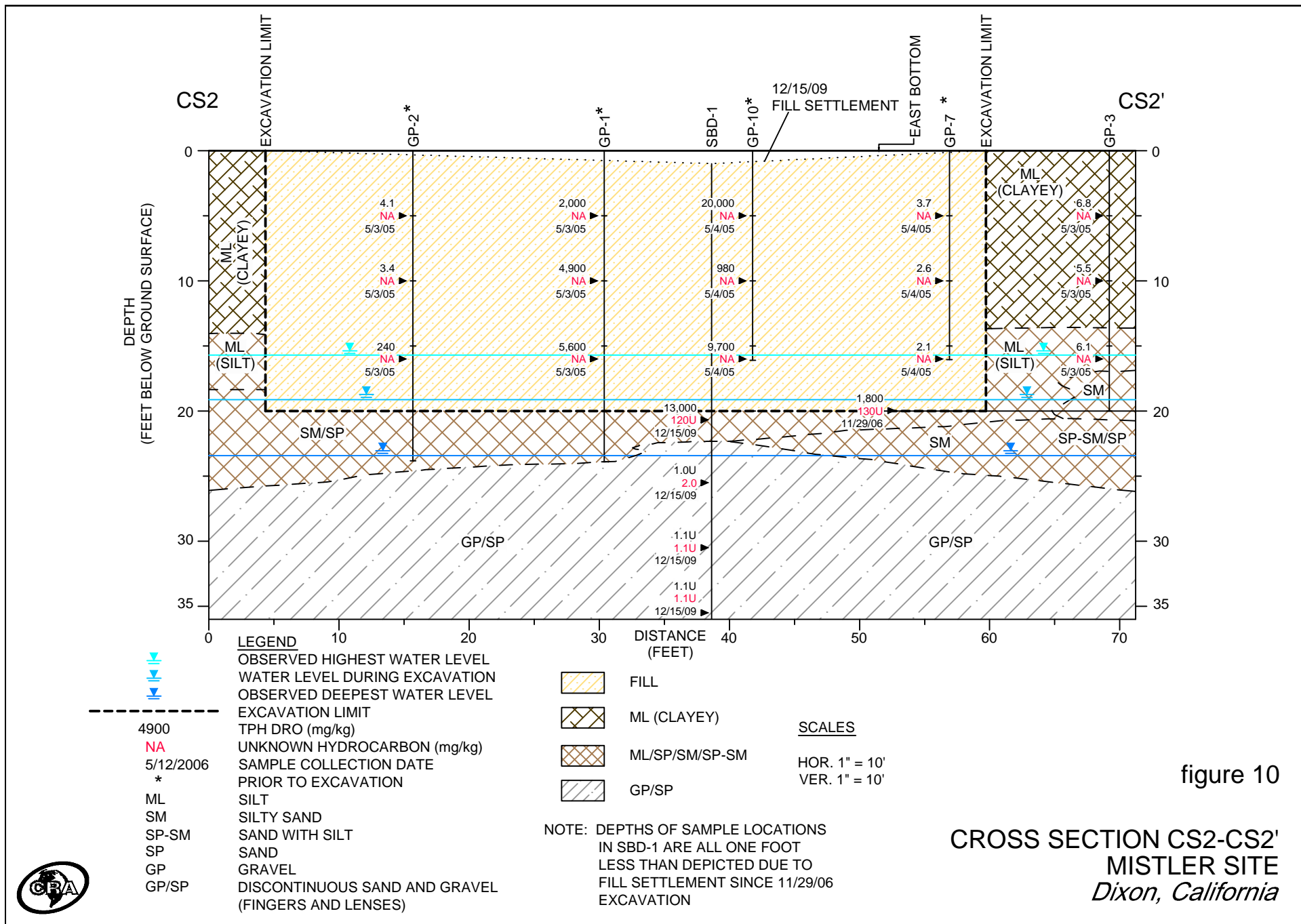


figure 10

**CROSS SECTION CS2-CS2'**  
**MISTLER SITE**  
*Dixon, California*



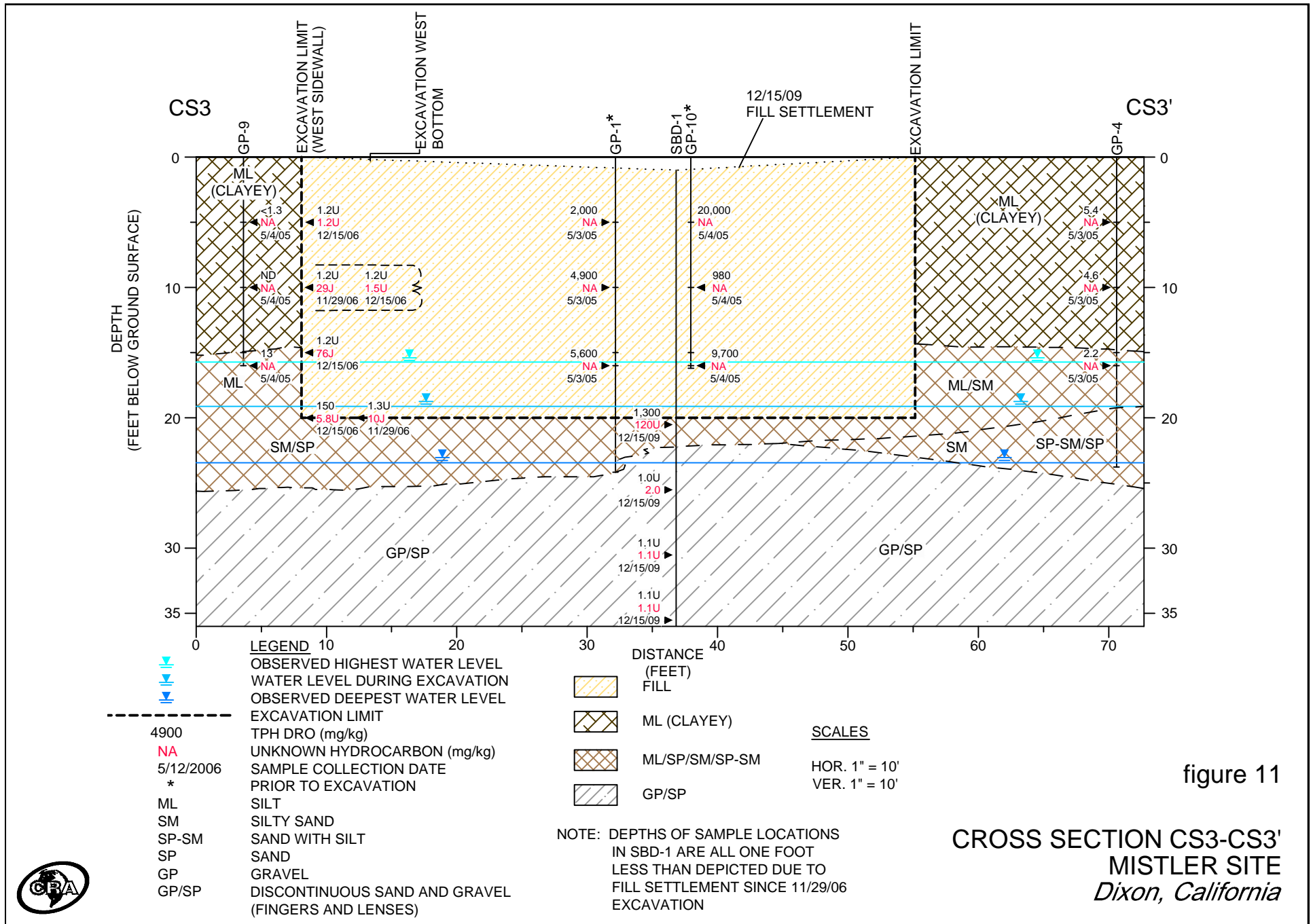


figure 11





## TABLES

**TABLE 1**  
**CURRENT AND HISTORICAL GROUNDWATER ELEVATION DATA**  
**Former Mistler Farm Property**  
**Dixon, California**

<i>Monitoring Well ID No.</i>	<i>Date</i>	<i>TOC Elevation (ft. AMSL)</i>	<i>Depth from TOC To Groundwater (ft.)</i>	<i>Groundwater Elevation (ft. AMSL)</i>
MW-1	3/30/07	65.08	20.98	44.10
MW-1	10/9/07	65.08	22.01	43.07
MW-1	2/15/08	65.08	21.93	43.15
MW-1	5/15/08	65.08	15.75	49.33
MW-1	12/15/09	65.08	26.97	38.11
MW-1	3/20/10	65.08	25.99	39.09
MW-1	6/11/10	65.08	24.54	40.54
MW-1	9/29/10	65.08	25.16	39.92
MW-2	3/30/07	65.61	21.55	44.08
MW-2	10/9/07	65.61	22.52	43.09
MW-2	2/15/08	65.61	22.43	43.18
MW-2	5/15/08	65.61	16.22	49.39
MW-2	12/15/09	65.61	27.49	38.12
MW-2	3/20/10	65.61	26.50	39.11
MW-2	6/11/10	65.61	25.04	40.57
MW-2	9/29/10	65.61	25.67	39.94
MW-3	3/30/07	66.65	22.58	44.07
MW-3	10/9/07	66.65	23.58	43.07
MW-3	2/15/08	66.65	23.50	43.15
MW-3	5/15/08	66.65	17.30	49.35
MW-3	12/15/09	66.65	28.55	38.10
MW-3	3/20/10	66.65	27.57	39.08
MW-3	6/11/10	66.65	26.11	40.54
MW-3	9/29/10	66.65	26.74	39.91
MW-4	3/30/07	65.49	21.37	44.12
MW-4	10/9/07	65.49	22.38	43.11
MW-4	2/15/08	65.49	22.31	43.18
MW-4	5/15/08	65.49	16.08	49.41
MW-4	12/15/09	65.49	27.31	38.18
MW-4	3/20/10	65.49	26.37	39.12
MW-4	6/11/10	65.49	24.89	40.60
MW-3	9/29/10	65.49	25.54	39.95

**TABLE 2  
CURRENT AND HISTORICAL GROUNDWATER FLOW  
GRADIENTS AND DIRECTIONS  
Mistler Property  
Dixon, California**

<i>Date</i>	<i>Darcy's Law Gradient</i>	<i>Directions</i>
5/4/2005	0.1 ft/ft	North
3/30/2007	0.0012 ft/ft	North-northeast
10/10/2007	0.001 ft/ft	North-northwest
2/15/2008	0.001-0.002 ft/ft	Northwest to north-northeast
5/15/2008	0.002 ft/ft	Northwest
12/15/2009	0.0024 ft/ft	South-southwest
3/20/2010	0.00056 ft/ft	North-northeast
6/11/2010	0.0009 ft/ft	Northwest
9/29/2010	0.0012 ft/ft	North

**TABLE 3**  
**MONITORING WELL SAMPLING-FIELD PARAMETERS**  
**Former Mistler Farm Property**  
**Dixon, California**

**September 29, 2010**

Well No.	Time	Volume Purged (gallons)	Field Measurements					
			pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP (mV)
MW-X	1252	Initial	7.53	0.746	0	8.45	21.96	304
	1257		7.48	0.729	0	7.94	21.86	319
	1302		7.47	0.767	0	9.13	21.65	328
	1307		7.51	0.75	0	7.31	21.51	333
		0.5						
MW-2	1445	Initial	7.68	0.359	0	<.33	29.27	271
	1450		7.64	0.368	529	4.59	28.92	324
	1453		7.66	0.324	146	4.39	28.6	329
	1500		7.77	0.363	86.5	4.12	28.44	312
	1505	0.5	7.75	0.5	11.9	3.98	28.31	321

TABLE 4

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>	CRWQCB	GP-1	GP-2	GP-3	GP-4	MW-1
<i>Sample ID:</i>	SFBR	GW-050305-RTS-001	GW-050305-RTS-002	GW-050305-RTS-003	GW-050305-RTS-004	GW-033007-KT-001
<i>Sample Date:</i>	ESL	05/03/2005	05/03/2005	05/03/2005	05/03/2005	03/30/2007
<i>Sample Type:</i>	F-1a					
<i>Parameter:</i>	<i>Units</i>					
<b>VOCs</b>						
Benzene	ug/L	1	0.53 J	1 U	1 U	1.0 U
Diisopropyl ether	ug/L		5 U	5 U	5 U	-
Ethylbenzene	ug/L	30	0.41 J	5 U	5 U	1.0 U
m&p-Xylenes	ug/L		-	-	-	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	5	2.7 J	5 U	5 U	-
o-Xylene	ug/L		-	-	-	1.0 U
tert-Amyl methyl ether	ug/L		5 U	5 U	5 U	-
tert-Butyl alcohol	ug/L	12	5 U	5 U	5 U	-
tert-Butyl ethyl ether	ug/L		5 U	5 U	5 U	-
Toluene	ug/L	40	5 U	0.21 J	0.21 J	1.0 U
Xylenes (total)	ug/L	20	1.6 J	10 U	10 U	1.0 U
<b>SVOCs</b>						
1,2,4-Trichlorobenzene	ug/L	5	-	-	-	11 U
1,2-Dichlorobenzene	ug/L	10	-	-	-	11 U
1,3-Dichlorobenzene	ug/L	64.5	-	-	-	11 U
1,4-Dichlorobenzene	ug/L	5	-	-	-	11 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	0.014	-	-	-	11 UJ
2,4,5-Trichlorophenol	ug/L	11	-	-	-	11 U
2,4,6-Trichlorophenol	ug/L	0.7	-	-	-	11 U
2,4-Dichlorophenol	ug/L	0.3	-	-	-	11 U
2,4-Dimethylphenol	ug/L	100	-	-	-	11 U
2,4-Dinitrophenol	ug/L	15	-	-	-	53 U
2,4-Dinitrotoluene	ug/L	0.051471	-	-	-	11 U
2,6-Dinitrotoluene	ug/L		-	-	-	11 U
2-Chloronaphthalene	ug/L		-	-	-	11 U
2-Chlorophenol	ug/L	0.18	-	-	-	11 U
2-Methylnaphthalene	ug/L	2.1	-	-	-	11 U
2-Methylphenol	ug/L		-	-	-	11 U
2-Nitroaniline	ug/L		-	-	-	53 U
2-Nitrophenol	ug/L		-	-	-	11 U
3,3'-Dichlorobenzidine	ug/L	0.029167	-	-	-	R
3-Nitroaniline	ug/L		-	-	-	53 U
4,6-Dinitro-2-methylphenol	ug/L		-	-	-	53 U

TABLE 4

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>	CRWQCB	GP-1	GP-2	GP-3	GP-4	MW-1
<i>Sample ID:</i>	SFBR	GW-050305-RTS-001	GW-050305-RTS-002	GW-050305-RTS-003	GW-050305-RTS-004	GW-033007-KT-001
<i>Sample Date:</i>	ESL	05/03/2005	05/03/2005	05/03/2005	05/03/2005	03/30/2007
<i>Sample Type:</i>	F-1a					
<i>Parameter:</i>	<i>Units</i>					
4-Bromophenyl phenyl ether	ug/L	-	-	-	-	11 U
4-Chloro-3-methylphenol	ug/L	-	-	-	-	11 U
4-Chloroaniline	ug/L	5	-	-	-	11 UJ
4-Chlorophenyl phenyl ether	ug/L	-	-	-	-	11 U
4-Methylphenol	ug/L	-	-	-	-	11 U
4-Nitroaniline	ug/L	-	-	-	-	53 U
4-Nitrophenol	ug/L	-	-	-	-	53 U
Acenaphthene	ug/L	20	-	-	-	11 U
Acenaphthylene	ug/L	30	-	-	-	11 U
Anthracene	ug/L	0.73	-	-	-	11 U
Benzo(a)anthracene	ug/L	0.027	-	-	-	11 U
Benzo(a)pyrene	ug/L	0.014	-	-	-	11 U
Benzo(b)fluoranthene	ug/L	0.029167	-	-	-	11 U
Benzo(g,h,i)perylene	ug/L	0.1	-	-	-	11 U
Benzo(k)fluoranthene	ug/L	0.029167	-	-	-	11 U
bis(2-Chloroethoxy)methane	ug/L	-	-	-	-	11 U
bis(2-Chloroethyl)ether	ug/L	0.031818	-	-	-	11 U
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	4	-	-	-	11 U
Butyl benzylphthalate (BBP)	ug/L	-	-	-	-	11 U
Carbazole	ug/L	-	-	-	-	11 U
Chrysene	ug/L	0.35	-	-	-	11 U
Dibenz(a,h)anthracene	ug/L	0.0047945	-	-	-	11 U
Dibenzofuran	ug/L	-	-	-	-	11 U
Diethyl phthalate	ug/L	1.5	-	-	-	11 U
Dimethyl phthalate	ug/L	-	-	-	-	11 U
Di-n-butylphthalate (DBP)	ug/L	-	-	-	-	11 U
Di-n-octyl phthalate (DnOP)	ug/L	-	-	-	-	11 U
Fluoranthene	ug/L	8	-	-	-	11 U
Fluorene	ug/L	3.9	-	-	-	11 U
Hexachlorobenzene	ug/L	1	-	-	-	11 U
Hexachlorobutadiene	ug/L	0.44872	-	-	-	11 U
Hexachlorocyclopentadiene	ug/L	-	-	-	-	53 U
Hexachloroethane	ug/L	0.89744	-	-	-	11 U
Indeno(1,2,3-cd)pyrene	ug/L	0.047945	-	-	-	11 U
Isophorone	ug/L	-	-	-	-	11 U
Naphthalene	ug/L	17	-	-	-	11 U
Nitrobenzene	ug/L	-	-	-	-	11 U
N-Nitrosodi-n-propylamine	ug/L	-	-	-	-	11 U

GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	CRWQCB	GP-1	GP-2	GP-3	GP-4	MW-1
Sample ID:	SFBR	GW-050305-RTS-001	GW-050305-RTS-002	GW-050305-RTS-003	GW-050305-RTS-004	GW-033007-KT-001
Sample Date:	ESL	05/03/2005	05/03/2005	05/03/2005	05/03/2005	03/30/2007
Sample Type:	F-1a					
Parameter:	Units					
N-Nitrosodiphenylamine	ug/L	-	-	-	-	11 U
Pentachlorophenol	ug/L	1	-	-	-	53 U
Phenanthrene	ug/L	4.6	-	-	-	11 U
Phenol	ug/L	5	-	-	-	11 U
Pyrene	ug/L	2	-	-	-	11 U
<b>Petroleum Hydrocarbons</b>						
Total Petroleum Hydrocarbon - Diesel	ug/L	100	310000	180	150	100 U
Total Petroleum Hydrocarbons - Extractable (DRO)	ug/L	100	-	-	-	-
Unknown hydrocarbon A	ug/L	100	-	-	-	-
Unknown petroleum hydrocarbon (diesel range)	ug/L	100	-	-	-	50 U

Notes:

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The associated value is qualified as an estimated quantity.
- UJ The analyte was reported or qualified as not detected however, the sample report limit is qualified as an estimated value and may be inaccurate or imprecise.

# The analyte was detected at a concentration exceeding applicable screening criterion.

TABLE 4

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>		<i>MW-1</i>	<i>MW-1</i>	<i>MW-1</i>	<i>MW-2</i>	<i>MW-2</i>	<i>MW-2</i>
<i>Sample ID:</i>		<i>GW-100907-KT-001</i>	<i>GW-21508-KT-001</i>	<i>GW-51508-KT-001</i>	<i>GW-033007-KT-004</i>	<i>GW-033007-KT-005</i>	<i>GW-100907-KT-003</i>
<i>Sample Date:</i>		<i>10/09/2007</i>	<i>02/15/2008</i>	<i>05/15/2008</i>	<i>03/30/2007</i>	<i>03/30/2007</i>	<i>10/09/2007</i>
<i>Sample Type:</i>						<i>Duplicate</i>	
<i>Parameter:</i>	<i>Units</i>						
<b>VOCs</b>							
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diisopropyl ether	ug/L	-	-	-	-	-	-
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	-	-	-	-	-	-
o-Xylene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
tert-Amyl methyl ether	ug/L	-	-	-	-	-	-
tert-Butyl alcohol	ug/L	-	-	-	-	-	-
tert-Butyl ethyl ether	ug/L	-	-	-	-	-	-
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
<b>SVOCs</b>							
1,2,4-Trichlorobenzene	ug/L	-	9.4 U	-	10 U	10 U	9.5 U
1,2-Dichlorobenzene	ug/L	-	9.4 U	-	10 U	10 U	9.5 U
1,3-Dichlorobenzene	ug/L	-	9.4 U	-	10 U	10 U	9.5 U
1,4-Dichlorobenzene	ug/L	-	9.4 U	-	10 U	10 U	9.5 U
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	-	9.4 U	-	10 U	10 UJ	9.5 U
2,4,5-Trichlorophenol	ug/L	-	9.4 U	-	10 U	10 U	R
2,4,6-Trichlorophenol	ug/L	-	9.4 U	-	10 U	10 U	R
2,4-Dichlorophenol	ug/L	-	9.4 U	-	10 U	10 U	R
2,4-Dimethylphenol	ug/L	-	9.4 U	-	10 U	10 U	R
2,4-Dinitrophenol	ug/L	-	47 U	-	52 U	52 U	R
2,4-Dinitrotoluene	ug/L	-	9.4 U	-	10 U	10 U	9.5 U
2,6-Dinitrotoluene	ug/L	-	9.4 U	-	10 U	10 U	9.5 U
2-Chloronaphthalene	ug/L	-	9.4 U	-	10 U	10 U	9.5 U
2-Chlorophenol	ug/L	-	9.4 U	-	10 U	10 U	R
2-Methylnaphthalene	ug/L	-	9.4 U	-	10 U	10 U	9.5 U
2-Methylphenol	ug/L	-	9.4 U	-	10 U	10 U	R
2-Nitroaniline	ug/L	-	47 U	-	52 U	52 U	48 U
2-Nitrophenol	ug/L	-	9.4 U	-	10 U	10 U	R
3,3'-Dichlorobenzidine	ug/L	-	47 U	-	52 U	52 U	48 U
3-Nitroaniline	ug/L	-	47 U	-	52 U	52 U	48 U
4,6-Dinitro-2-methylphenol	ug/L	-	47 U	-	52 U	52 U	R



TABLE 4

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>						
<i>Sample ID:</i>	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2
<i>Sample Date:</i>	GW-100907-KT-001	GW-21508-KT-001	GW-51508-KT-001	GW-033007-KT-004	GW-033007-KT-005	GW-100907-KT-003
<i>Sample Type:</i>	10/09/2007	02/15/2008	05/15/2008	03/30/2007	03/30/2007	10/09/2007
<i>Parameter:</i>					<i>Duplicate</i>	
<i>Units</i>						
4-Bromophenyl phenyl ether	-	9.4 U	-	10 U	10 U	9.5 U
4-Chloro-3-methylphenol	-	9.4 U	-	10 U	10 U	R
4-Chloroaniline	-	9.4 U	-	10 U	10 U	9.5 UJ
4-Chlorophenyl phenyl ether	-	9.4 U	-	10 U	10 U	9.5 U
4-Methylphenol	-	9.4 U	-	10 U	10 U	R
4-Nitroaniline	-	47 U	-	52 U	52 U	48 U
4-Nitrophenol	-	47 U	-	R	52 U	R
Acenaphthene	-	9.4 U	-	10 U	10 U	9.5 U
Acenaphthylene	-	9.4 U	-	10 U	10 U	9.5 U
Anthracene	-	9.4 U	-	10 U	10 U	9.5 U
Benzo(a)anthracene	-	9.4 U	-	10 U	10 U	9.5 U
Benzo(a)pyrene	-	9.4 U	-	10 U	10 UJ	9.5 U
Benzo(b)fluoranthene	-	9.4 U	-	10 U	10 UJ	9.5 U
Benzo(g,h,i)perylene	-	9.4 U	-	10 U	10 UJ	9.5 U
Benzo(k)fluoranthene	-	9.4 U	-	10 U	10 UJ	9.5 U
bis(2-Chloroethoxy)methane	-	9.4 U	-	10 U	10 U	9.5 U
bis(2-Chloroethyl)ether	-	9.4 U	-	10 U	10 U	9.5 U
bis(2-Ethylhexyl)phthalate (DEHP)	-	9.4 U	-	10 U	10 U	9.5 U
Butyl benzylphthalate (BBP)	-	9.4 U	-	10 U	10 U	9.5 U
Carbazole	-	9.4 U	-	10 U	10 U	9.5 U
Chrysene	-	9.4 U	-	10 U	10 U	9.5 U
Dibenz(a,h)anthracene	-	9.4 U	-	10 U	10 UJ	9.5 U
Dibenzofuran	-	9.4 U	-	10 U	10 U	9.5 U
Diethyl phthalate	-	9.4 U	-	10 U	10 U	9.5 U
Dimethyl phthalate	-	9.4 U	-	10 U	10 U	9.5 U
Di-n-butylphthalate (DBP)	-	9.4 U	-	10 U	10 U	9.5 U
Di-n-octyl phthalate (DnOP)	-	9.4 U	-	10 U	10 UJ	9.5 U
Fluoranthene	-	9.4 U	-	10 U	10 U	9.5 U
Fluorene	-	9.4 U	-	10 U	10 U	9.5 U
Hexachlorobenzene	-	9.4 U	-	10 U	10 U	9.5 U
Hexachlorobutadiene	-	9.4 U	-	10 U	10 U	9.5 U
Hexachlorocyclopentadiene	-	47 U	-	52 U	52 U	48 U
Hexachloroethane	-	9.4 U	-	10 U	10 U	9.5 U
Indeno(1,2,3-cd)pyrene	-	9.4 U	-	10 U	10 UJ	9.5 U
Isophorone	-	9.4 U	-	10 U	10 U	9.5 U
Naphthalene	-	9.4 U	-	10 U	10 U	9.5 U
Nitrobenzene	-	9.4 U	-	10 U	10 U	9.5 U
N-Nitrosodi-n-propylamine	-	9.4 U	-	10 U	10 U	9.5 U

GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2	
Sample ID:	GW-100907-KT-001	GW-21508-KT-001	GW-51508-KT-001	GW-033007-KT-004	GW-033007-KT-005	GW-100907-KT-003	
Sample Date:	10/09/2007	02/15/2008	05/15/2008	03/30/2007	03/30/2007	10/09/2007	
Sample Type:					Duplicate		
Parameter:	Units						
N-Nitrosodiphenylamine	ug/L	-	9.4 U	-	10 U	10 U	9.5 U
Pentachlorophenol	ug/L	-	47 U	-	52 U	52 U	R
Phenanthrene	ug/L	-	9.4 U	-	10 U	10 U	9.5 U
Phenol	ug/L	-	9.4 U	-	10 U	10 U	R
Pyrene	ug/L	-	9.4 U	-	10 U	10 U	9.5 U
<b>Petroleum Hydrocarbons</b>							
Total Petroleum Hydrocarbon - Diesel	ug/L	50 U	47 U	47 U	50 U	50 U	50 U
Total Petroleum Hydrocarbons - Extractable (DRO)	ug/L	-	-	-	-	-	-
Unknown hydrocarbon A	ug/L	-	-	-	-	-	-
Unknown petroleum hydrocarbon (diesel range)	ug/L	50 U	47 U	47 U	50 U	50 U	99

Notes:

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The associated value is qualified as an estimated quantity.
- UJ The analyte was reported or qualified as not detected however, the sample report limit is qualified as an estimated value and may be inaccurate or imprecise.
- # The analyte was detected at a concentration exceeding applicable screening criterion.

TABLE 4

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>		MW-2	MW-2	MW-2	MW-2	MW-2
<i>Sample ID:</i>		GW-100907-KT-005	GW-21508-KT-005	GW-51508-KT-005	GW-121509-GER-003	GW-058414-032010-GER-002
<i>Sample Date:</i>		10/09/2007	02/15/2008	05/15/2008	12/15/2009	03/20/2010
<i>Sample Type:</i>		<i>Duplicate</i>				
<i>Parameter:</i>	<i>Units</i>					
<b>VOCs</b>						
Benzene	ug/L	1.0 U	1.0 U	1.0 U	-	-
Diisopropyl ether	ug/L	-	-	-	-	-
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	-	-
m&p-Xylenes	ug/L	1.0 U	1.0 U	1.0 U	-	-
Methyl tert butyl ether (MTBE)	ug/L	-	-	-	-	-
o-Xylene	ug/L	1.0 U	1.0 U	1.0 U	-	-
tert-Amyl methyl ether	ug/L	-	-	-	-	-
tert-Butyl alcohol	ug/L	-	-	-	-	-
tert-Butyl ethyl ether	ug/L	-	-	-	-	-
Toluene	ug/L	1.0 U	1.0 U	1.0 U	-	-
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	-	-
<b>SVOCs</b>						
1,2,4-Trichlorobenzene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
1,2-Dichlorobenzene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
1,3-Dichlorobenzene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
1,4-Dichlorobenzene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
2,4,5-Trichlorophenol	ug/L	R	R	9.5 U	-	-
2,4,6-Trichlorophenol	ug/L	R	R	9.5 U	-	-
2,4-Dichlorophenol	ug/L	R	R	9.5 U	-	-
2,4-Dimethylphenol	ug/L	R	R	9.5 U	-	-
2,4-Dinitrophenol	ug/L	R	R	48 U	-	-
2,4-Dinitrotoluene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
2,6-Dinitrotoluene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
2-Chloronaphthalene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
2-Chlorophenol	ug/L	R	R	9.5 U	-	-
2-Methylnaphthalene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
2-Methylphenol	ug/L	R	R	9.5 U	-	-
2-Nitroaniline	ug/L	48 U	47 UJ	48 U	-	-
2-Nitrophenol	ug/L	R	R	9.5 U	-	-
3,3'-Dichlorobenzidine	ug/L	48 U	R	48 U	-	-
3-Nitroaniline	ug/L	48 U	47 UJ	48 U	-	-
4,6-Dinitro-2-methylphenol	ug/L	R	R	48 U	-	-

TABLE 4

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>	MW-2	MW-2	MW-2	MW-2	MW-2	
<i>Sample ID:</i>	GW-100907-KT-005	GW-21508-KT-005	GW-51508-KT-005	GW-121509-GER-003	GW-058414-032010-GER-002	
<i>Sample Date:</i>	10/09/2007	02/15/2008	05/15/2008	12/15/2009	03/20/2010	
<i>Sample Type:</i>	<i>Duplicate</i>					
<i>Parameter:</i>	<i>Units</i>					
4-Bromophenyl phenyl ether	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
4-Chloro-3-methylphenol	ug/L	R	R	9.5 U	-	-
4-Chloroaniline	ug/L	9.5 UJ	R	9.5 U	-	-
4-Chlorophenyl phenyl ether	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
4-Methylphenol	ug/L	R	R	9.5 U	-	-
4-Nitroaniline	ug/L	48 U	47 UJ	48 U	-	-
4-Nitrophenol	ug/L	R	R	48 U	-	-
Acenaphthene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Acenaphthylene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Anthracene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Benzo(a)anthracene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Benzo(a)pyrene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Benzo(b)fluoranthene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Benzo(g,h,i)perylene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Benzo(k)fluoranthene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
bis(2-Chloroethoxy)methane	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
bis(2-Chloroethyl)ether	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Butyl benzylphthalate (BBP)	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Carbazole	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Chrysene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Dibenz(a,h)anthracene	ug/L	9.5 U	-	9.5 U	-	-
Dibenzofuran	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Diethyl phthalate	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Dimethyl phthalate	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Di-n-butylphthalate (DBP)	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Di-n-octyl phthalate (DnOP)	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Fluoranthene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Fluorene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Hexachlorobenzene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Hexachlorobutadiene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Hexachlorocyclopentadiene	ug/L	48 U	47 UJ	48 U	-	-
Hexachloroethane	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Indeno(1,2,3-cd)pyrene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Isophorone	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Naphthalene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Nitrobenzene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
N-Nitrosodi-n-propylamine	ug/L	9.5 U	9.4 UJ	9.5 U	-	-

TABLE 4

GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	MW-2	MW-2	MW-2	MW-2	MW-2	
Sample ID:	GW-100907-KT-005	GW-21508-KT-005	GW-51508-KT-005	GW-121509-GER-003	GW-058414-032010-GER-002	
Sample Date:	10/09/2007	02/15/2008	05/15/2008	12/15/2009	03/20/2010	
Sample Type:	Duplicate					
Parameter:	Units					
N-Nitrosodiphenylamine	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Pentachlorophenol	ug/L	R	R	48 U	-	-
Phenanthrene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
Phenol	ug/L	R	R	9.5 U	-	-
Pyrene	ug/L	9.5 U	9.4 UJ	9.5 U	-	-
<b>Petroleum Hydrocarbons</b>						
Total Petroleum Hydrocarbon - Diesel	ug/L	50 U	48 U	47 U	47 U	47 U
Total Petroleum Hydrocarbons - Extractable (DRO)	ug/L	-	-	-	-	-
Unknown hydrocarbon A	ug/L	-	-	-	-	-
Unknown petroleum hydrocarbon (diesel range)	ug/L	120	180	300	140 J	60

Notes:

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The associated value is qualified as an estimated quantity.
- UJ The analyte was reported or qualified as not detected however, the sample report limit is qualified as an estimated value and may be inaccurate or imprecise.

# The analyte was detected at a concentration exceeding applicable screening criterion.

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>		MW-2	MW-2	MW-2	MW-2
<i>Sample ID:</i>		GW-058414-032010-GER-003	GW-058414-061110-GER-002	GW-058414-061110-GER-003	GW-58414-92919-GER-004
<i>Sample Date:</i>		03/20/2010	06/11/2010	06/11/2010	09/29/2010
<i>Sample Type:</i>		Duplicate		Duplicate	
<i>Parameter:</i>	<i>Units</i>				
<b>VOCs</b>					
Benzene	ug/L	-	-	-	-
Diisopropyl ether	ug/L	-	-	-	-
Ethylbenzene	ug/L	-	-	-	-
m&p-Xylenes	ug/L	-	-	-	-
Methyl tert butyl ether (MTBE)	ug/L	-	-	-	-
o-Xylene	ug/L	-	-	-	-
tert-Amyl methyl ether	ug/L	-	-	-	-
tert-Butyl alcohol	ug/L	-	-	-	-
tert-Butyl ethyl ether	ug/L	-	-	-	-
Toluene	ug/L	-	-	-	-
Xylenes (total)	ug/L	-	-	-	-
<b>SVOCs</b>					
1,2,4-Trichlorobenzene	ug/L	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-
2,6-Dinitrotoluene	ug/L	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-
2-Methylnaphthalene	ug/L	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-

TABLE 4

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>	MW-2	MW-2	MW-2	MW-2
<i>Sample ID:</i>	GW-058414-032010-GER-003	GW-058414-061110-GER-002	GW-058414-061110-GER-003	GW-58414-92919-GER-004
<i>Sample Date:</i>	03/20/2010	06/11/2010	06/11/2010	09/29/2010
<i>Sample Type:</i>	Duplicate		Duplicate	
<i>Parameter:</i>	<i>Units</i>			
4-Bromophenyl phenyl ether	ug/L	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-
4-Chloroaniline	ug/L	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-
4-Methylphenol	ug/L	-	-	-
4-Nitroaniline	ug/L	-	-	-
4-Nitrophenol	ug/L	-	-	-
Acenaphthene	ug/L	-	-	-
Acenaphthylene	ug/L	-	-	-
Anthracene	ug/L	-	-	-
Benzo(a)anthracene	ug/L	-	-	-
Benzo(a)pyrene	ug/L	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	-	-	-
Butyl benzylphthalate (BBP)	ug/L	-	-	-
Carbazole	ug/L	-	-	-
Chrysene	ug/L	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-
Dibenzofuran	ug/L	-	-	-
Diethyl phthalate	ug/L	-	-	-
Dimethyl phthalate	ug/L	-	-	-
Di-n-butylphthalate (DBP)	ug/L	-	-	-
Di-n-octyl phthalate (DnOP)	ug/L	-	-	-
Fluoranthene	ug/L	-	-	-
Fluorene	ug/L	-	-	-
Hexachlorobenzene	ug/L	-	-	-
Hexachlorobutadiene	ug/L	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-
Hexachloroethane	ug/L	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-
Isophorone	ug/L	-	-	-
Naphthalene	ug/L	-	-	-
Nitrobenzene	ug/L	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-

GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	MW-2	MW-2	MW-2	MW-2
Sample ID:	GW-058414-032010-GER-003	GW-058414-061110-GER-002	GW-058414-061110-GER-003	GW-58414-92919-GER-004
Sample Date:	03/20/2010	06/11/2010	06/11/2010	09/29/2010
Sample Type:	Duplicate		Duplicate	
Parameter:	Units			
N-Nitrosodiphenylamine	ug/L	-	-	-
Pentachlorophenol	ug/L	-	-	-
Phenanthrene	ug/L	-	-	-
Phenol	ug/L	-	-	-
Pyrene	ug/L	-	-	-
<b>Petroleum Hydrocarbons</b>				
Total Petroleum Hydrocarbon - Diesel	ug/L	47 U	48 U	48 U
Total Petroleum Hydrocarbons - Extractable (DRO)	ug/L	-	-	48 U
Unknown hydrocarbon A	ug/L	-	-	48 U
Unknown petroleum hydrocarbon (diesel range)	ug/L	55	240	230

Notes:

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The associated value is qualified as an estimated quantity.
- UJ The analyte was reported or qualified as not detected however, the sample report limit is qualified as an estimated value and may be inaccurate or imprecise.

# The analyte was detected at a concentration exceeding applicable screening criterion.



**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>		MW-3	MW-3	MW-3	MW-3	MW-4	MW-4
<i>Sample ID:</i>		GW-033007-KT-002	GW-100907-KT-002	GW-21508-KT-002	GW-51508-KT-002	GW-033007-KT-003	GW-100907-KT-004
<i>Sample Date:</i>		03/30/2007	10/09/2007	02/15/2008	05/15/2008	03/30/2007	10/09/2007
<i>Sample Type:</i>							
<i>Parameter:</i>	<i>Units</i>						
<b>VOCs</b>							
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diisopropyl ether	ug/L	-	-	-	-	-	-
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	-	-	-	-	-	-
o-Xylene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
tert-Amyl methyl ether	ug/L	-	-	-	-	-	-
tert-Butyl alcohol	ug/L	-	-	-	-	-	-
tert-Butyl ethyl ether	ug/L	-	-	-	-	-	-
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
<b>SVOCs</b>							
1,2,4-Trichlorobenzene	ug/L	10 U	-	9.4 U	-	10 U	-
1,2-Dichlorobenzene	ug/L	10 U	-	9.4 U	-	10 U	-
1,3-Dichlorobenzene	ug/L	10 U	-	9.4 U	-	10 U	-
1,4-Dichlorobenzene	ug/L	10 U	-	9.4 U	-	10 U	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	10 UJ	-	9.4 U	-	10 UJ	-
2,4,5-Trichlorophenol	ug/L	10 U	-	9.4 U	-	10 U	-
2,4,6-Trichlorophenol	ug/L	10 U	-	9.4 U	-	10 U	-
2,4-Dichlorophenol	ug/L	10 U	-	9.4 U	-	10 U	-
2,4-Dimethylphenol	ug/L	10 U	-	9.4 U	-	10 U	-
2,4-Dinitrophenol	ug/L	52 U	-	47 U	-	52 U	-
2,4-Dinitrotoluene	ug/L	10 U	-	9.4 U	-	10 U	-
2,6-Dinitrotoluene	ug/L	10 U	-	9.4 U	-	10 U	-
2-Chloronaphthalene	ug/L	10 U	-	9.4 U	-	10 U	-
2-Chlorophenol	ug/L	10 U	-	9.4 U	-	10 U	-
2-Methylnaphthalene	ug/L	10 U	-	9.4 U	-	10 U	-
2-Methylphenol	ug/L	10 U	-	9.4 U	-	10 U	-
2-Nitroaniline	ug/L	52 U	-	47 U	-	52 U	-
2-Nitrophenol	ug/L	10 U	-	9.4 U	-	10 U	-
3,3'-Dichlorobenzidine	ug/L	52 U	-	47 U	-	52 U	-
3-Nitroaniline	ug/L	52 U	-	47 U	-	52 U	-
4,6-Dinitro-2-methylphenol	ug/L	52 U	-	47 U	-	52 U	-

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>	MW-3	MW-3	MW-3	MW-3	MW-4	MW-4	
<i>Sample ID:</i>	GW-033007-KT-002	GW-100907-KT-002	GW-21508-KT-002	GW-51508-KT-002	GW-033007-KT-003	GW-100907-KT-004	
<i>Sample Date:</i>	03/30/2007	10/09/2007	02/15/2008	05/15/2008	03/30/2007	10/09/2007	
<i>Sample Type:</i>							
<i>Parameter:</i>	<i>Units</i>						
4-Bromophenyl phenyl ether	ug/L	10 U	-	9.4 U	-	10 U	-
4-Chloro-3-methylphenol	ug/L	10 U	-	9.4 U	-	10 U	-
4-Chloroaniline	ug/L	10 U	-	9.4 U	-	10 U	-
4-Chlorophenyl phenyl ether	ug/L	10 U	-	9.4 U	-	10 U	-
4-Methylphenol	ug/L	10 U	-	9.4 U	-	10 U	-
4-Nitroaniline	ug/L	52 U	-	47 U	-	52 U	-
4-Nitrophenol	ug/L	52 U	-	47 U	-	52 U	-
Acenaphthene	ug/L	10 U	-	9.4 U	-	10 U	-
Acenaphthylene	ug/L	10 U	-	9.4 U	-	10 U	-
Anthracene	ug/L	10 U	-	9.4 U	-	10 U	-
Benzo(a)anthracene	ug/L	10 U	-	9.4 U	-	10 U	-
Benzo(a)pyrene	ug/L	10 U	-	9.4 U	-	10 U	-
Benzo(b)fluoranthene	ug/L	10 U	-	9.4 U	-	10 U	-
Benzo(g,h,i)perylene	ug/L	10 U	-	9.4 U	-	10 U	-
Benzo(k)fluoranthene	ug/L	10 U	-	9.4 U	-	10 U	-
bis(2-Chloroethoxy)methane	ug/L	10 U	-	9.4 U	-	10 U	-
bis(2-Chloroethyl)ether	ug/L	10 U	-	9.4 U	-	10 U	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	10 U	-	9.4 U	-	10 U	-
Butyl benzylphthalate (BBP)	ug/L	10 U	-	9.4 U	-	10 U	-
Carbazole	ug/L	10 U	-	9.4 U	-	10 U	-
Chrysene	ug/L	10 U	-	9.4 U	-	10 U	-
Dibenz(a,h)anthracene	ug/L	10 U	-	9.4 U	-	10 U	-
Dibenzofuran	ug/L	10 U	-	9.4 U	-	10 U	-
Diethyl phthalate	ug/L	10 U	-	9.4 U	-	10 U	-
Dimethyl phthalate	ug/L	10 U	-	9.4 U	-	10 U	-
Di-n-butylphthalate (DBP)	ug/L	10 U	-	9.4 U	-	10 U	-
Di-n-octyl phthalate (DnOP)	ug/L	10 U	-	9.4 U	-	10 U	-
Fluoranthene	ug/L	10 U	-	9.4 U	-	10 U	-
Fluorene	ug/L	10 U	-	9.4 U	-	10 U	-
Hexachlorobenzene	ug/L	10 U	-	9.4 U	-	10 U	-
Hexachlorobutadiene	ug/L	10 U	-	9.4 U	-	10 U	-
Hexachlorocyclopentadiene	ug/L	52 U	-	47 U	-	52 U	-
Hexachloroethane	ug/L	10 U	-	9.4 U	-	10 U	-
Indeno(1,2,3-cd)pyrene	ug/L	10 U	-	9.4 U	-	10 U	-
Isophorone	ug/L	10 U	-	9.4 U	-	10 U	-
Naphthalene	ug/L	10 U	-	9.4 U	-	10 U	-
Nitrobenzene	ug/L	10 U	-	9.4 U	-	10 U	-
N-Nitrosodi-n-propylamine	ug/L	10 U	-	9.4 U	-	10 U	-

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>		MW-3	MW-3	MW-3	MW-3	MW-4	MW-4
<i>Sample ID:</i>		GW-033007-KT-002	GW-100907-KT-002	GW-21508-KT-002	GW-51508-KT-002	GW-033007-KT-003	GW-100907-KT-004
<i>Sample Date:</i>		03/30/2007	10/09/2007	02/15/2008	05/15/2008	03/30/2007	10/09/2007
<i>Sample Type:</i>							
<i>Parameter:</i>	<i>Units</i>						
N-Nitrosodiphenylamine	ug/L	10 U	-	9.4 U	-	10 U	-
Pentachlorophenol	ug/L	52 U	-	47 U	-	52 U	-
Phenanthrene	ug/L	10 U	-	9.4 U	-	10 U	-
Phenol	ug/L	10 U	-	9.4 U	-	10 U	-
Pyrene	ug/L	10 U	-	9.4 U	-	10 U	-
<i>Petroleum Hydrocarbons</i>							
Total Petroleum Hydrocarbon - Diesel	ug/L	50 U	50 U	47 U	47 U	50 U	50 U
Total Petroleum Hydrocarbons - Extractable (DRO)	ug/L	-	-	-	-	-	-
Unknown hydrocarbon A	ug/L	-	-	-	-	-	-
Unknown petroleum hydrocarbon (diesel range)	ug/L	50 U	50 U	47 U	47 U	50 U	50 U

## Notes:

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J The associated value is qualified as an estimated quantity.

UJ The analyte was reported or qualified as not detected however, the sample report limit is qualified as an estimated value and may be inaccurate or imprecise.

# The analyte was detected at a concentration exceeding applicable screening criterion.

TABLE 4

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>		MW-4	MW-4	MW-4	MW-X	MW-X	MW-X
<i>Sample ID:</i>		GW-21508-KT-003	GW-51508-KT-003	GW-51508-KT-004	GW-21508-KT-004	GW-121509-GER-001	GW-121509-GER-002
<i>Sample Date:</i>		02/15/2008	05/15/2008	05/15/2008	02/15/2008	12/15/2009	12/15/2009
<i>Sample Type:</i>				Duplicate			Duplicate
<i>Parameter:</i>	<i>Units</i>						
<b>VOCs</b>							
Benzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	-	-
Diisopropyl ether	ug/L	-	-	-	-	-	-
Ethylbenzene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	-	-
m&p-Xylenes	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	-	-
Methyl tert butyl ether (MTBE)	ug/L	-	-	-	-	-	-
o-Xylene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	-	-
tert-Amyl methyl ether	ug/L	-	-	-	-	-	-
tert-Butyl alcohol	ug/L	-	-	-	-	-	-
tert-Butyl ethyl ether	ug/L	-	-	-	-	-	-
Toluene	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	-	-
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	-	-
<b>SVOCs</b>							
1,2,4-Trichlorobenzene	ug/L	9.6 U	-	-	9.4 U	-	-
1,2-Dichlorobenzene	ug/L	9.6 U	-	-	9.4 U	-	-
1,3-Dichlorobenzene	ug/L	9.6 U	-	-	9.4 U	-	-
1,4-Dichlorobenzene	ug/L	9.6 U	-	-	9.4 U	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	9.6 U	-	-	9.4 U	-	-
2,4,5-Trichlorophenol	ug/L	9.6 U	-	-	9.4 U	-	-
2,4,6-Trichlorophenol	ug/L	9.6 U	-	-	9.4 U	-	-
2,4-Dichlorophenol	ug/L	9.6 U	-	-	9.4 U	-	-
2,4-Dimethylphenol	ug/L	9.6 U	-	-	9.4 U	-	-
2,4-Dinitrophenol	ug/L	48 U	-	-	47 U	-	-
2,4-Dinitrotoluene	ug/L	9.6 U	-	-	9.4 U	-	-
2,6-Dinitrotoluene	ug/L	9.6 U	-	-	9.4 U	-	-
2-Chloronaphthalene	ug/L	9.6 U	-	-	9.4 U	-	-
2-Chlorophenol	ug/L	9.6 U	-	-	9.4 U	-	-
2-Methylnaphthalene	ug/L	9.6 U	-	-	9.4 U	-	-
2-Methylphenol	ug/L	9.6 U	-	-	9.4 U	-	-
2-Nitroaniline	ug/L	48 U	-	-	47 U	-	-
2-Nitrophenol	ug/L	9.6 U	-	-	9.4 U	-	-
3,3'-Dichlorobenzidine	ug/L	48 U	-	-	47 U	-	-
3-Nitroaniline	ug/L	48 U	-	-	47 U	-	-
4,6-Dinitro-2-methylphenol	ug/L	48 U	-	-	47 U	-	-

TABLE 4

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>	MW-4	MW-4	MW-4	MW-X	MW-X	MW-X
<i>Sample ID:</i>	GW-21508-KT-003	GW-51508-KT-003	GW-51508-KT-004	GW-21508-KT-004	GW-121509-GER-001	GW-121509-GER-002
<i>Sample Date:</i>	02/15/2008	05/15/2008	05/15/2008	02/15/2008	12/15/2009	12/15/2009
<i>Sample Type:</i>			Duplicate			Duplicate
<i>Parameter:</i>	<i>Units</i>					
4-Bromophenyl phenyl ether	ug/L	9.6 U	-	-	9.4 U	-
4-Chloro-3-methylphenol	ug/L	9.6 U	-	-	9.4 U	-
4-Chloroaniline	ug/L	9.6 U	-	-	9.4 U	-
4-Chlorophenyl phenyl ether	ug/L	9.6 U	-	-	9.4 U	-
4-Methylphenol	ug/L	9.6 U	-	-	9.4 U	-
4-Nitroaniline	ug/L	48 U	-	-	47 U	-
4-Nitrophenol	ug/L	48 U	-	-	47 U	-
Acenaphthene	ug/L	9.6 U	-	-	9.4 U	-
Acenaphthylene	ug/L	9.6 U	-	-	9.4 U	-
Anthracene	ug/L	9.6 U	-	-	9.4 U	-
Benzo(a)anthracene	ug/L	9.6 U	-	-	9.4 U	-
Benzo(a)pyrene	ug/L	9.6 U	-	-	9.4 U	-
Benzo(b)fluoranthene	ug/L	9.6 U	-	-	9.4 U	-
Benzo(g,h,i)perylene	ug/L	9.6 U	-	-	9.4 U	-
Benzo(k)fluoranthene	ug/L	9.6 U	-	-	9.4 U	-
bis(2-Chloroethoxy)methane	ug/L	9.6 U	-	-	9.4 U	-
bis(2-Chloroethyl)ether	ug/L	9.6 U	-	-	9.4 U	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	9.6 U	-	-	9.4 U	-
Butyl benzylphthalate (BBP)	ug/L	9.6 U	-	-	9.4 U	-
Carbazole	ug/L	9.6 U	-	-	9.4 U	-
Chrysene	ug/L	9.6 U	-	-	9.4 U	-
Dibenz(a,h)anthracene	ug/L	9.6 U	-	-	9.4 U	-
Dibenzofuran	ug/L	9.6 U	-	-	9.4 U	-
Diethyl phthalate	ug/L	9.6 U	-	-	9.4 U	-
Dimethyl phthalate	ug/L	9.6 U	-	-	9.4 U	-
Di-n-butylphthalate (DBP)	ug/L	9.6 U	-	-	9.4 U	-
Di-n-octyl phthalate (DnOP)	ug/L	9.6 U	-	-	9.4 U	-
Fluoranthene	ug/L	9.6 U	-	-	9.4 U	-
Fluorene	ug/L	9.6 U	-	-	9.4 U	-
Hexachlorobenzene	ug/L	9.6 U	-	-	9.4 U	-
Hexachlorobutadiene	ug/L	9.6 U	-	-	9.4 U	-
Hexachlorocyclopentadiene	ug/L	48 U	-	-	47 U	-
Hexachloroethane	ug/L	9.6 U	-	-	9.4 U	-
Indeno(1,2,3-cd)pyrene	ug/L	9.6 U	-	-	9.4 U	-
Isophorone	ug/L	9.6 U	-	-	9.4 U	-
Naphthalene	ug/L	9.6 U	-	-	9.4 U	-
Nitrobenzene	ug/L	9.6 U	-	-	9.4 U	-
N-Nitrosodi-n-propylamine	ug/L	9.6 U	-	-	9.4 U	-

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>		MW-4	MW-4	MW-4	MW-X	MW-X	MW-X
<i>Sample ID:</i>		GW-21508-KT-003	GW-51508-KT-003	GW-51508-KT-004	GW-21508-KT-004	GW-121509-GER-001	GW-121509-GER-002
<i>Sample Date:</i>		02/15/2008	05/15/2008	05/15/2008	02/15/2008	12/15/2009	12/15/2009
<i>Sample Type:</i>				<i>Duplicate</i>			<i>Duplicate</i>
<i>Parameter:</i>	<i>Units</i>						
N-Nitrosodiphenylamine	ug/L	9.6 U	-	-	9.4 U	-	-
Pentachlorophenol	ug/L	48 U	-	-	47 U	-	-
Phenanthrene	ug/L	9.6 U	-	-	9.4 U	-	-
Phenol	ug/L	9.6 U	-	-	9.4 U	-	-
Pyrene	ug/L	9.6 U	-	-	9.4 U	-	-
<i>Petroleum Hydrocarbons</i>							
Total Petroleum Hydrocarbon - Diesel	ug/L	48 U	47 U	48 U	47 U	48 U	48 U
Total Petroleum Hydrocarbons - Extractable (DRO)	ug/L	-	-	-	-	-	-
Unknown hydrocarbon A	ug/L	-	-	-	-	-	-
Unknown petroleum hydrocarbon (diesel range)	ug/L	48 U	47 U	48 U	47 U	48 U	48 U

## Notes:

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J The associated value is qualified as an estimated quantity.

UJ The analyte was reported or qualified as not detected however, the sample report limit is qualified as an estimated value and may be inaccurate or imprecise.

# The analyte was detected at a concentration exceeding applicable screening criterion.

**GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA**

<i>Sample Location:</i>		MW-X	MW-X	MW-X	MW-X
<i>Sample ID:</i>		GW-058414-032010-GER-001	GW-058414-061110-GER-001	GW-58414-92919-GER-001	GW-58414-92919-GER-002
<i>Sample Date:</i>		03/20/2010	06/11/2010	09/29/2010	09/29/2010
<i>Sample Type:</i>					<i>Duplicate</i>
<i>Parameter:</i>	<i>Units</i>				
<b>VOCs</b>					
Benzene	ug/L	-	-	-	-
Diisopropyl ether	ug/L	-	-	-	-
Ethylbenzene	ug/L	-	-	-	-
m&p-Xylenes	ug/L	-	-	-	-
Methyl tert butyl ether (MTBE)	ug/L	-	-	-	-
o-Xylene	ug/L	-	-	-	-
tert-Amyl methyl ether	ug/L	-	-	-	-
tert-Butyl alcohol	ug/L	-	-	-	-
tert-Butyl ethyl ether	ug/L	-	-	-	-
Toluene	ug/L	-	-	-	-
Xylenes (total)	ug/L	-	-	-	-
<b>SVOCs</b>					
1,2,4-Trichlorobenzene	ug/L	-	-	-	-
1,2-Dichlorobenzene	ug/L	-	-	-	-
1,3-Dichlorobenzene	ug/L	-	-	-	-
1,4-Dichlorobenzene	ug/L	-	-	-	-
2,2'-Oxybis(1-chloropropane) (bis(2-Chloroisopropyl) ether)	ug/L	-	-	-	-
2,4,5-Trichlorophenol	ug/L	-	-	-	-
2,4,6-Trichlorophenol	ug/L	-	-	-	-
2,4-Dichlorophenol	ug/L	-	-	-	-
2,4-Dimethylphenol	ug/L	-	-	-	-
2,4-Dinitrophenol	ug/L	-	-	-	-
2,4-Dinitrotoluene	ug/L	-	-	-	-
2,6-Dinitrotoluene	ug/L	-	-	-	-
2-Chloronaphthalene	ug/L	-	-	-	-
2-Chlorophenol	ug/L	-	-	-	-
2-Methylnaphthalene	ug/L	-	-	-	-
2-Methylphenol	ug/L	-	-	-	-
2-Nitroaniline	ug/L	-	-	-	-
2-Nitrophenol	ug/L	-	-	-	-
3,3'-Dichlorobenzidine	ug/L	-	-	-	-
3-Nitroaniline	ug/L	-	-	-	-
4,6-Dinitro-2-methylphenol	ug/L	-	-	-	-

TABLE 4

GROUNDWATER ANALYTICAL RESULTS SUMMARY  
 FORMER MISTLER FARM PROPERTY  
 DIXON, CALIFORNIA

Sample Location:	MW-X	MW-X	MW-X	MW-X
Sample ID:	GW-058414-032010-GER-001	GW-058414-061110-GER-001	GW-58414-92919-GER-001	GW-58414-92919-GER-002
Sample Date:	03/20/2010	06/11/2010	09/29/2010	09/29/2010
Sample Type:				Duplicate
Parameter:	Units			
4-Bromophenyl phenyl ether	ug/L	-	-	-
4-Chloro-3-methylphenol	ug/L	-	-	-
4-Chloroaniline	ug/L	-	-	-
4-Chlorophenyl phenyl ether	ug/L	-	-	-
4-Methylphenol	ug/L	-	-	-
4-Nitroaniline	ug/L	-	-	-
4-Nitrophenol	ug/L	-	-	-
Acenaphthene	ug/L	-	-	-
Acenaphthylene	ug/L	-	-	-
Anthracene	ug/L	-	-	-
Benzo(a)anthracene	ug/L	-	-	-
Benzo(a)pyrene	ug/L	-	-	-
Benzo(b)fluoranthene	ug/L	-	-	-
Benzo(g,h,i)perylene	ug/L	-	-	-
Benzo(k)fluoranthene	ug/L	-	-	-
bis(2-Chloroethoxy)methane	ug/L	-	-	-
bis(2-Chloroethyl)ether	ug/L	-	-	-
bis(2-Ethylhexyl)phthalate (DEHP)	ug/L	-	-	-
Butyl benzylphthalate (BBP)	ug/L	-	-	-
Carbazole	ug/L	-	-	-
Chrysene	ug/L	-	-	-
Dibenz(a,h)anthracene	ug/L	-	-	-
Dibenzofuran	ug/L	-	-	-
Diethyl phthalate	ug/L	-	-	-
Dimethyl phthalate	ug/L	-	-	-
Di-n-butylphthalate (DBP)	ug/L	-	-	-
Di-n-octyl phthalate (DnOP)	ug/L	-	-	-
Fluoranthene	ug/L	-	-	-
Fluorene	ug/L	-	-	-
Hexachlorobenzene	ug/L	-	-	-
Hexachlorobutadiene	ug/L	-	-	-
Hexachlorocyclopentadiene	ug/L	-	-	-
Hexachloroethane	ug/L	-	-	-
Indeno(1,2,3-cd)pyrene	ug/L	-	-	-
Isophorone	ug/L	-	-	-
Naphthalene	ug/L	-	-	-
Nitrobenzene	ug/L	-	-	-
N-Nitrosodi-n-propylamine	ug/L	-	-	-



GROUNDWATER ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	MW-X	MW-X	MW-X	MW-X
Sample ID:	GW-058414-032010-GER-001	GW-058414-061110-GER-001	GW-58414-92919-GER-001	GW-58414-92919-GER-002
Sample Date:	03/20/2010	06/11/2010	09/29/2010	09/29/2010
Sample Type:				Duplicate
Parameter:	Units			
N-Nitrosodiphenylamine	ug/L	-	-	-
Pentachlorophenol	ug/L	-	-	-
Phenanthrene	ug/L	-	-	-
Phenol	ug/L	-	-	-
Pyrene	ug/L	-	-	-
<b>Petroleum Hydrocarbons</b>				
Total Petroleum Hydrocarbon - Diesel	ug/L	47 U	48 U	-
Total Petroleum Hydrocarbons - Extractable (DRO)	ug/L	-	-	48 U
Unknown hydrocarbon A	ug/L	-	-	48 U
Unknown petroleum hydrocarbon (diesel range)	ug/L	47 U	48 U	-

Notes:

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The associated value is qualified as an estimated quantity.
- UJ The analyte was reported or qualified as not detected however, the sample report limit is qualified as an estimated value and may be inaccurate or imprecise.

# The analyte was detected at a concentration exceeding applicable screening criterion.

SOIL ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	San Francisco Bay Region		Trench	Trench	GP-1	GP-1	GP-1
Sample Depth:	ESL		(5)	(10.5)	5-5.5 ft BGS	10-10.5 ft BGS	16-16.5 ft BGS
Sample ID:	(Deep Soil)		038627-DJP-022405-202	038627-DJP-022405-201	S-050305-RTS-001	S-050305-RTS-002	S-050305-RTS-003
Sample Date:			02/24/2005	02/24/2005	05/03/2005	05/03/2005	05/03/2005
Parameter:	Units						
<b>VOCs</b>							
Benzene	ug/kg	44	--	--	--	--	--
Ethylbenzene	ug/kg	3300	--	--	--	--	--
m&p-Xylene	ug/kg	--	--	--	--	--	--
o-Xylene	ug/kg	--	--	--	--	--	--
Toluene	ug/kg	2900	--	--	--	--	--
Xylene (total)	ug/kg	2300	--	--	--	--	--
<b>Petroleum Hydrocarbons</b>							
Total Petroleum Hydrocarbon - Diesel	mg/kg	83	15000	7100	2000	4900	5600
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	5000	--	--	--	--	--

Notes:

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The analyte was not analyzed for.

U

The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J

The associated value is qualified as an estimated quantity.

#

The detected concentration exceeds the applicable screening level.

text or #

The detected concentration comes from soil which was removed during the excavation.

SOIL ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:		GP-2	GP-2	GP-2	GP-3	GP-3	GP-3	GP-4
Sample Depth:		5 - 5.5 ft BGS	10 - 10.5 ft BGS	16 - 16.5 ft BGS	5 - 5.5 ft BGS	10 - 10.5 ft BGS	16 - 16.5 ft BGS	5 - 5.5 ft BGS
Sample ID:		S-050305-RTS-004	S-050305-RTS-005	S-050305-RTS-006	S-050305-RTS-007	S-050305-RTS-008	S-050305-RTS-009	S-050305-RTS-010
Sample Date:		05/03/2005	05/03/2005	05/03/2005	05/03/2005	05/03/2005	05/03/2005	05/03/2005
Parameter:	Units							
<b>VOCs</b>								
Benzene	ug/kg	--	--	--	--	--	--	--
Ethylbenzene	ug/kg	--	--	--	--	--	--	--
m&p-Xylene	ug/kg	--	--	--	--	--	--	--
o-Xylene	ug/kg	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--
Xylene (total)	ug/kg	--	--	--	--	--	--	--
<b>Petroleum Hydrocarbons</b>								
Total Petroleum Hydrocarbon - Diesel	mg/kg	4.1	3.4	240	6.8	5.5	6.1	5.4
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	--	--	--	--	--	--	--

Notes:

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The analyte was not analyzed for.

U

The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J

The associated value is qualified as an estimated quantity.

#

The detected concentration exceeds the applicable screening level.

text or #

The detected concentration comes from soil which was removed during the excavation.

SOIL ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:		GP-4	GP-4	GP-5	GP-5	GP-5	GP-6	GP-6
Sample Depth:		10 - 10.5 ft BGS	16 - 16.5 ft BGS	5 - 5.5 ft BGS	10 - 10.5 ft BGS	16 - 16.5 ft BGS	3 - 3.5 ft BGS	10 - 10.5 ft BGS
Sample ID:		S-050305-RTS-011	S-050305-RTS-012	S-050405-RTS-013	S-050405-RTS-014	S-050405-RTS-015	S-050405-RTS-016	S-050405-RTS-017
Sample Date:		05/03/2005	05/03/2005	05/04/2005	05/04/2005	05/04/2005	05/04/2005	05/04/2005
Parameter:	Units							
<b>VOCs</b>								
Benzene	ug/kg	--	--	--	--	--	--	--
Ethylbenzene	ug/kg	--	--	--	--	--	--	--
m&p-Xylene	ug/kg	--	--	--	--	--	--	--
o-Xylene	ug/kg	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--
Xylene (total)	ug/kg	--	--	--	--	--	--	--
<b>Petroleum Hydrocarbons</b>								
Total Petroleum Hydrocarbon - Diesel	mg/kg	4.6	2.2	2.4	5.8	1.8	16000	31
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	--	--	--	--	--	--	--

Notes:

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The analyte was not analyzed for.

U

The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J

The associated value is qualified as an estimated quantity.

#

The detected concentration exceeds the applicable screening level.

text or #

The detected concentration comes from soil which was removed during the excavation.

SOIL ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:		GP-6	GP-7	GP-7	GP-7	GP-8	GP-8	GP-8
Sample Depth:		16-16.5 ft BGS	5-5.5 ft BGS	10-10.5 ft BGS	16-16.5 ft BGS	5-5.5 ft BGS	10-10.5 ft BGS	16-16.5 ft BGS
Sample ID:		S-050405-RTS-018	S-050405-RTS-019	S-050405-RTS-020	S-050405-RTS-021	S-050405-RTS-022	S-050405-RTS-023	S-050405-RTS-024
Sample Date:		05/04/2005	05/04/2005	05/04/2005	05/04/2005	05/04/2005	05/04/2005	05/04/2005
Parameter:	Units							
<b>VOCs</b>								
Benzene	ug/kg	--	--	--	--	--	--	--
Ethylbenzene	ug/kg	--	--	--	--	--	--	--
m&p-Xylene	ug/kg	--	--	--	--	--	--	--
o-Xylene	ug/kg	--	--	--	--	--	--	--
Toluene	ug/kg	--	--	--	--	--	--	--
Xylene (total)	ug/kg	--	--	--	--	--	--	--
<b>Petroleum Hydrocarbons</b>								
Total Petroleum Hydrocarbon - Diesel	mg/kg	1.7	3.7	2.6	2.1	2.8	3.9	1.4
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	--	--	--	--	--	--	--

Notes:

- The analyte was not analyzed for.
- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The associated value is qualified as an estimated quantity.
- # The detected concentration exceeds the applicable screening level.
- text or # The detected concentration comes from soil which was removed during the excavation.

SOIL ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	GP-9	GP-9	GP-9	GP-10	GP-10	GP-10	Excavation East Bottom	
Sample Depth:	5 - 5.5 ft BGS	10 - 10.5 ft BGS	16 - 16.5 ft BGS	5 - 5.5 ft BGS	10 - 10.5 ft BGS	16 - 16.5 ft BGS	(20)	
Sample ID:	S-050405-RTS-025	S-050405-RTS-026	S-050405-RTS-027	S-050405-RTS-028	S-050405-RTS-029	S-050405-RTS-030	EB-112906-MB-001	
Sample Date:	05/04/2005	05/04/2005	05/04/2005	05/04/2005	05/04/2005	05/04/2005	11/29/2006	
Parameter:	Units							
<b>VOCs</b>								
Benzene	ug/kg	--	--	--	--	--	--	
Ethylbenzene	ug/kg	--	--	--	--	--	--	
m&p-Xylene	ug/kg	--	--	--	--	--	--	
o-Xylene	ug/kg	--	--	--	--	--	--	
Toluene	ug/kg	--	--	--	--	--	--	
Xylene (total)	ug/kg	--	--	--	--	--	--	
<b>Petroleum Hydrocarbons</b>								
Total Petroleum Hydrocarbon - Diesel	mg/kg	1.3 U	1.2 U	13	20000	980	9700	1800
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	--	--	--	--	--	--	130 U

Notes:

- The analyte was not analyzed for.
- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The associated value is qualified as an estimated quantity.
- # The detected concentration exceeds the applicable screening level.
- text or # The detected concentration comes from soil which was removed during the excavation.

SOIL ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	Excavation East Sidewall	Excavation North Sidewall	Excavation South Sidewall	Excavation West Bottom	Excavation West Sidewall
Sample Depth:	(10)	(10)	(10)	(20)	(10)
Sample ID:	ES-112906-MB-006	NS-112906-MB-004	SS-112906-MB-003	WB-112906-MB-002	WS-112906-MB-005
Sample Date:	11/29/2006	11/29/2006	11/29/2006	11/29/2006	11/29/2006
Parameter:	Units				
<b>VOCs</b>					
Benzene	ug/kg	--	--	--	--
Ethylbenzene	ug/kg	--	--	--	--
m&p-Xylene	ug/kg	--	--	--	--
o-Xylene	ug/kg	--	--	--	--
Toluene	ug/kg	--	--	--	--
Xylene (total)	ug/kg	--	--	--	--
<b>Petroleum Hydrocarbons</b>					
Total Petroleum Hydrocarbon - Diesel	mg/kg	1.2 U	1.2 U	1.2 U	1.2 U
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	5.8 J	1.2 U	5.1 J	10 J

Notes:

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The analyte was not analyzed for.

U

The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J

The associated value is qualified as an estimated quantity.

#

The detected concentration exceeds the applicable screening level.

text or #

The detected concentration comes from soil which was removed during the excavation.

SOIL ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	Stockpile Composite 1	Stockpile Composite 2	Excavation East Sidewall (20)	Excavation East Sidewall (15)	Excavation East Sidewall (10)
Sample Depth:					
Sample ID:	COMP1-112906-MB-007/008	COMP2-112906-MB-009/010	ES20-121506-TR	ES15-121506-TR	ES10-121506-TR
Sample Date:	11/29/2006	11/29/2006	12/15/2006	12/15/2006	12/15/2006
Parameter:	Units				
<b>VOCs</b>					
Benzene	ug/kg	6.0 U	6.2 U	--	--
Ethylbenzene	ug/kg	25	6.2 U	--	--
m&p-Xylene	ug/kg	110	6.2 U	--	--
o-Xylene	ug/kg	6.0 U	6.2 U	--	--
Toluene	ug/kg	6.0 U	6.2 U	--	--
Xylene (total)	ug/kg	110	6.2 U	--	--
<b>Petroleum Hydrocarbons</b>					
Total Petroleum Hydrocarbon - Diesel	mg/kg	6400	1.2 U	1.2 U	5.9 U
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	600 U	71 J	33 J	93 J

Notes:

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U

J

#

text or #

The analyte was not analyzed for.

The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

The associated value is qualified as an estimated quantity.

The detected concentration exceeds the applicable screening level.

The detected concentration comes from soil which was removed during the excavation.



TABLE 5

SOIL ANALYTICAL RESULTS SUMMARY  
 FORMER MISTLER FARM PROPERTY  
 DIXON, CALIFORNIA

Sample Location:		Excavation East Sidewall	Excavation North Sidewall - A	Excavation North Sidewall - A	Excavation North Sidewall - A
Sample Depth:		(5)	(15)	(10)	(5)
Sample ID:		ES5-121506-TR	NSA15-121506-TR	NSA10-121506-TR	NSA5-121506-TR
Sample Date:		12/15/2006	12/15/2006	12/15/2006	12/15/2006
Parameter:	Units				
<b>VOCs</b>					
Benzene	ug/kg	--	--	--	--
Ethylbenzene	ug/kg	--	--	--	--
m&p-Xylene	ug/kg	--	--	--	--
o-Xylene	ug/kg	--	--	--	--
Toluene	ug/kg	--	--	--	--
Xylene (total)	ug/kg	--	--	--	--
<b>Petroleum Hydrocarbons</b>					
Total Petroleum Hydrocarbon - Diesel	mg/kg	5.8 U	1.2 U	1.2 U	1.3 U
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	190 J	1.2 U	1.2 U	1.3 U

Notes:

- The analyte was not analyzed for.
- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The associated value is qualified as an estimated quantity.
- # The detected concentration exceeds the applicable screening level.
- text or # The detected concentration comes from soil which was removed during the excavation.

#

text or #

TABLE 5

SOIL ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	Excavation North Sidewall - B	Excavation North Sidewall - B	Excavation North Sidewall - B	Excavation South Sidewall - A	
Sample Depth:	(15)	(10)	(5)	(20)	
Sample ID:	NSB15-121506-TR	NSB10-121506-TR	NSB5-121506-TR	SSA20-121506-TR	
Sample Date:	12/15/2006	12/15/2006	12/15/2006	12/15/2006	
Parameter:	Units				
<b>VOCs</b>					
Benzene	ug/kg	--	--	--	
Ethylbenzene	ug/kg	--	--	--	
m&p-Xylene	ug/kg	--	--	--	
o-Xylene	ug/kg	--	--	--	
Toluene	ug/kg	--	--	--	
Xylene (total)	ug/kg	--	--	--	
<b>Petroleum Hydrocarbons</b>					
Total Petroleum Hydrocarbon - Diesel	mg/kg	1.2 U	1.2 U	1.3 UJ	6.2 U
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	68 J	1.3 J	1.3 UJ	78 J

Notes:

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The analyte was not analyzed for.

U

The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J

The associated value is qualified as an estimated quantity.

#

The detected concentration exceeds the applicable screening level.

text or #

The detected concentration comes from soil which was removed during the excavation.

SOIL ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	Excavation South Sidewall - A	Excavation South Sidewall - A	Excavation South Sidewall - A	Excavation South Sidewall - B
Sample Depth:	(15)	(10)	(5)	(20)
Sample ID:	SSA15-121506-TR	SSA10-121506-TR	SSA5-121506-TR	SSB20-121506-TR
Sample Date:	12/15/2006	12/15/2006	12/15/2006	12/15/2006
Parameter:	Units			
<b>VOCs</b>				
Benzene	ug/kg	--	--	--
Ethylbenzene	ug/kg	--	--	--
m&p-Xylene	ug/kg	--	--	--
o-Xylene	ug/kg	--	--	--
Toluene	ug/kg	--	--	--
Xylene (total)	ug/kg	--	--	--
<b>Petroleum Hydrocarbons</b>				
Total Petroleum Hydrocarbon - Diesel	mg/kg	1.1 U	11 U	1.1 U
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	8.1 J	270 J	1.1 U

Notes:

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text or #

The analyte was not analyzed for.

The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

The associated value is qualified as an estimated quantity.

The detected concentration exceeds the applicable screening level.

The detected concentration comes from soil which was removed during the excavation.

SOIL ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	Excavation South Sidewall - B	Excavation South Sidewall - B	Excavation South Sidewall - B	Excavation West Sidewall	Excavation West Sidewall
Sample Depth:	(15)	(10)	(5)	(20)	(15)
Sample ID:	SSB15-121506-TR	SSB10-121506-TR	SSB5-121506-TR	WS20-121506-TR	WS15-121506-TR
Sample Date:	12/15/2006	12/15/2006	12/15/2006	12/15/2006	12/15/2006
Parameter:	Units				
<b>VOCs</b>					
Benzene	ug/kg	--	--	--	--
Ethylbenzene	ug/kg	--	--	--	--
m&p-Xylene	ug/kg	--	--	--	--
o-Xylene	ug/kg	--	--	--	--
Toluene	ug/kg	--	--	--	--
Xylene (total)	ug/kg	--	--	--	--
<b>Petroleum Hydrocarbons</b>					
Total Petroleum Hydrocarbon - Diesel	mg/kg	1.2 U	1.2 UJ	1.2 U	150
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	22 J	2.9 J	6.8 J	5.8 U

Notes:

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text or #

The analyte was not analyzed for.

The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

The associated value is qualified as an estimated quantity.

The detected concentration exceeds the applicable screening level.

The detected concentration comes from soil which was removed during the excavation.

The analyte was not analyzed for

The analyte was analyzed for, but

The associated value is qualified

The detected concentration exceeds

The detected concentration comes

SOIL ANALYTICAL RESULTS SUMMARY  
FORMER MISTLER FARM PROPERTY  
DIXON, CALIFORNIA

Sample Location:	Excavation West Sidewall	Excavation West Sidewall	SBD-1	SBD-1	SBD-1	
Sample Depth:	(10)	(5)	19.5 - 20 ft BGS	24.5 - 25 ft BGS	29.5 - 30 ft BGS	
Sample ID:	WS10-121506-TR	WS5-121506-TR	S-121509-RTS-1	S-121509-RTS-2	S-121509-RTS-3	
Sample Date:	12/15/2006	12/15/2006	12/15/2009	12/15/2009	12/15/2009	
Parameter:	Units					
<b>VOCs</b>						
Benzene	ug/kg	--	--	--	--	
Ethylbenzene	ug/kg	--	--	--	--	
m&p-Xylene	ug/kg	--	--	--	--	
o-Xylene	ug/kg	--	--	--	--	
Toluene	ug/kg	--	--	--	--	
Xylene (total)	ug/kg	--	--	--	--	
<b>Petroleum Hydrocarbons</b>						
Total Petroleum Hydrocarbon - Diesel	mg/kg	1.2 U	1.2 U	13000	1.0 U	1.1 U
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	1.5 J	1.2 U	120 U	2.0	1.1 U

Notes:

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for.

The analyte was not analyzed for.

U

but was not detected above the reported sample quantitation limit.

The analyte was analyzed for, but

J

is reported as an estimated quantity.

The associated value is qualified as

#

exceeds the applicable screening level.

The detected concentration exceeds

text or #

concentrations from soil which was removed during the excavation.

The detected concentration comes

SOIL ANALYTICAL RESULTS SUMMARY  
 FORMER MISTLER FARM PROPERTY  
 DIXON, CALIFORNIA

Sample Location: SBD-1  
 Sample Depth: 34.5 - 35 ft BGS  
 Sample ID: S-121509-RTS-4  
 Sample Date: 12/15/2009

Parameter:	Units	
<b>VOCs</b>		
Benzene	ug/kg	--
Ethylbenzene	ug/kg	--
m&p-Xylene	ug/kg	--
o-Xylene	ug/kg	--
Toluene	ug/kg	--
Xylene (total)	ug/kg	--

**Petroleum Hydrocarbons**

Total Petroleum Hydrocarbon - Diesel	mg/kg	1.1 U
Unknown Petroleum Hydrocarbon (Diesel Range)	mg/kg	1.1 U

Notes:

--

U

J

#

text or #

: was not detected above the reported sample quantitation limit.

is an estimated quantity.

is the applicable screening level.

: from soil which was removed during the excavation.

APPENDIX A  
SUMMARY OF NFAR DOCUMENTATION

## SUMMARY OF NO FURTHER ACTION DOCUMENTATION

NFAR DOCUMENTATION	SUMMARY	SECTION
1. Site history and current site conditions.	<p>The former Mistler farm property at 8405 Pedrick Road in Dixon, California (Site) was cropland from approximately 1900 until 2001 and occupied by agricultural supporting facilities, including out buildings, a residence, and a refueling aboveground storage tank (AST). Impacted soils, resulting from refueling activities associated with the AST, were discovered in 2005.</p> <p>Assessment/remediation activities were conducted between 2005 and 2007, which included soil impact delineation, installation of a groundwater monitoring system, and excavation of the impacted soil.</p>	3.1 3.2
2. Site geology and hydrogeology.	Site stratigraphy consists of laterally discontinuous alluvial clayey silt/silty clay, silt, silty fine sand/sandy silt, sand, and gravel. Depth to groundwater is seasonally variable, as is groundwater flow direction, which may be the result of several factors, including local agricultural pumping/irrigation practices and Site topography.	3.3
3. Sensitive potential receptors including water supply wells and surface water.	A Sensitive Receptor Survey was completed for the Site in May 2008. Excluding the Site's shallow monitoring wells, sixteen domestic, irrigation and industrial wells were identified within a 2,000 foot radius of the Site. The Survey concluded that all of these wells are screened far beneath any plausible zone of impact to groundwater. No surface water bodies are present on Site.	Appendix E



## SUMMARY OF NO FURTHER ACTION DOCUMENTATION

NFAR DOCUMENTATION	SUMMARY	SECTION
4. Provide a map showing the location of all water supply wells used for municipal, domestic, agriculture, industrial and other uses within 2,000 feet of the site. Provide well details and distances in a table.	Three maps have been provided to depict the location of all wells within the vicinity of the Site. One table has been provided with wells details and distances from the Site. These documents are contained in CRA's September 2008 <i>Sensitive Receptor Survey Report</i> and/or CRA's October 10, 2008 correspondence <i>Addendum to Fourth Quarter 2007/2008 Groundwater Monitoring Report and Sensitive Receptor Report</i> .	Appendix E
5. Provide scaled site maps of the area impacted showing locations of former and existing tank systems, excavation and sample locations, boring and monitoring well locations, groundwater elevation contours, subsurface utilities, buildings, streets, and any nearby surface waters.	The requested map is provided as a figure following the text.	Figure 3
6. Provide boring logs and cross-sections to show site lithology.	The requested documents have been provided as figures following the text and in an appendix.	Figure 4 Figure 5 Appendix D
7. Report the volume of excavated soil disposed off-site, or remaining on-site.	926 cubic yards of soil were removed from the Site during the excavation.	Appendix G
8. Describe the fate of any remaining monitoring and remediation wells (destroyed, ownership transferred, or to remain in use).	CRA will arrange for the destruction of monitoring wells as soon as concurrence is obtained for the No Further Action Required (NFAR) Request Report.	
9. Provide tabulated results of all groundwater elevations and depths to water.	The requested information is available in a table following the text.	Table 1

## SUMMARY OF NO FURTHER ACTION DOCUMENTATION

NFAR DOCUMENTATION	SUMMARY	SECTION
10. Provide tabulated results of all sample analyses, including the sampling method and detection limits. Analytical results must include TPH and BTEX constituents, lead, MtBE, EtBE, TBA, ETBE, DIPE, TAME, ethanol, methanol, ethylene dibromide, 1,2-dichloroethane and other constituents as indicated in Table #2 above. Provide any WET or TCLP results.	The requested information is presented in tables following the text. It should be noted in Table 5, which contains Site soil analytical data, concentrations detected in soil later removed during the November 2006 remedial action are printed in strikethrough text.	Table 4 Table 5
11. Discuss concentration and mass changes over time, and current concentrations of contaminants remaining in groundwater at the site.	Monitoring well MW-2 is installed in the former AST area, and has been sampled for the last four quarters, as well as previously being sampled on a quarterly basis in 2007/2008. CRA has observed that the concentration of diesel as unknown hydrocarbon increases in MW-2 groundwater when the groundwater table is in contact with the impacted soil lens and decreases to non-detect when the groundwater table is below the impacted soil lens. No detected concentration of diesel as unknown hydrocarbon in MW-2 groundwater has ever significantly exceeded the applicable screening criterion.	6.1.3 6.2 Appendix H
12. Provide isoconcentration contour maps of contaminants of concern to define the lateral and vertical extent of contaminants remaining in soil and groundwater. The contour maps should present an estimated "zero line" of contaminant concentrations both on-site and off-site.	The lateral extent of soil contamination is roughly defined by the former excavation limits. The vertical extent of soil contamination remaining is depicted in three cross sections following the text. The contamination in Site groundwater, when present is limited to one well, MW-2.	Figure 3 Figure 8 Figure 9 Figure 10 Figure 11

## SUMMARY OF NO FURTHER ACTION DOCUMENTATION

NFA DOCUMENTATION	SUMMARY	SECTION
13. Provide a summary of the remedial method(s) used to clean up the site. Include the calculated zone of influence, assumptions used to design the remedial system(s), and the duration of remedial activities.	Impacted soils from beneath the former AST area were removed on November 28 and 29, 2006. CRA assumes the remedial action resulted in removal of the most heavily impacted soils. Excavation took place for a duration of two days.	Appendix C
14. Provide a discussion of whether background is unattainable using best available remediation method(s).	Background is attainable in groundwater as demonstrated by the monitoring results in wells MW-1 through MW-4 and MW-x.	6.1.3.3 6.2.1 Appendix H
15. Provide a discussion (and estimate) of contaminant mass remaining in soil and groundwater versus contaminant mass removed or destroyed by soil excavation or remedial actions.	The contaminant mass moved was discussed above. The contaminant mass that remains is 782 pounds. This contaminant mass effects groundwater; however, the impact dissipates within a reasonable amount of time.	5.3 Appendix G
16. Provide assumptions, parameters, calculations and the model used in any risk assessments.	A conceptual Site model was used in the risk assessment. It was assumed that a residential occupational scenario was most appropriate due to the fact that the parcel could be redeveloped. It was also assumed that groundwater beneath the Site is a potential potable water source.	6.1 6.1.1 6.1.2 6.1.3
17. Provide assumptions, parameters, calculations and the model used in fate and transport modeling.	No fate and transport modeling are necessary as it has been demonstrated that the remaining impact does not impact groundwater at concentrations significantly exceeding the applicable screening criteria.	

## SUMMARY OF NO FURTHER ACTION DOCUMENTATION

NFAR DOCUMENTATION	SUMMARY	SECTION
<p>18. Provide a rationale why the conditions remaining at the site will not adversely impact water quality, human health, and safety, or other beneficial uses. The rationale for NFAR must include a finding about present and future water use, and risks the site may still represent to human health and safety, and water quality.</p>	<p>A thin lens of impacted soil remains 20 feet below grade at the former AST area. The effect of this impacted lens of soil has been monitored through well MW-2. CRA has observed that the concentration of diesel as unknown hydrocarbon increases when the groundwater table is in contact with this lens. CRA has also observed that the concentration of diesel as unknown hydrocarbon in Site groundwater decreases to non-detect within two years when the groundwater table is below this lens of impacted soil.</p> <p>The concentrations of diesel as unknown hydrocarbon observed in groundwater do not significantly exceed the applicable screening level, if at all, when the groundwater table is in contact with the impacted soil lens. Existing agricultural wells are located more than 1,000 feet from the Site and have screened intervals that start at more than 100 feet below grade. It is improbable that detectable concentrations of diesel as unknown hydrocarbon could reach these sensitive receptors. If the city of Dixon were to install or use a well for its municipal water supply on or near the Site, the well would likely be screened deeper than the groundwater impact. Furthermore, the pumping of water into a supply well would lower the water table, thereby removing the leaching to groundwater pathway for exposure to Site impact.</p>	<p>6.2 6.2.1 6.2.2 6.2.3 6.2.4 6.2.5</p>
<p>19. Provide a list of technical reports submitted for site assessment, corrective action, confirmation sampling, and closure.</p>	<p>The requested information is mentioned in the report and in an appendix attached to the report.</p>	<p>Appendix J</p>

**SUMMARY OF NO FURTHER ACTION DOCUMENTATION**

<b>NFAR DOCUMENTATION</b>	<b>SUMMARY</b>	<b>SECTION</b>
20. Provide any additional comments supporting site NFAR.	Potential health risks arising from soil gas or vapor intrusion were evaluated for the Site. The exposure pathway was determined to be incomplete. The only chemical of concern for the Site is diesel. Diesel volatilizes at temperatures in excess of 150 degrees Celsius. These temperatures are not encountered in Site soil.	6.1.2 6.1.3

APPENDIX B

NOVEMBER 12, 2009 SCDRM CORRESPONDENCE



SOLANO COUNTY
Department of Resource Management

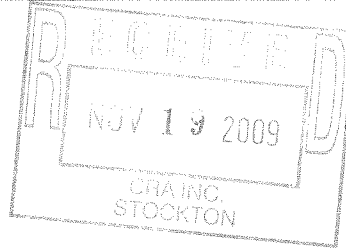
675 Texas Street, Suite 5500
Fairfield, CA 94533
www.solanocounty.com

Telephone No: (707) 784-6765
Fax: (707) 784-4805

Birgitta Corsello, Director
Cliff Covey, Asst Director

November 12, 2009

MAGNA ENTERTAINMENT CORP
C/O DIXON DOWNS
ATTN: MR. JOHN O'FARRELL
8233 WINDING WAY
FAIROAKS, CA 95628



RE: Review of Received Correspondences, Former Mistler Trucking Company, 8405 Pedrick Road, APNs 0111-040-010, 020,030,040, and 0111-080-050, Dixon, CA. Solano County File # 29-80336.

Dear Mr. O'Farrell:

The purpose of this letter is to notify the Responsible Party of the status of the correspondence received by the Solano County, Department of Resource Management (SCDRM). Conestoga-Rovers & Associates submitted the Technical Memorandum in Response to Solano County April 22, 2008 Correspondence and Workplan for Additional site Investigation, (Workplan) dated October 30, 2009. The proposed work is approved with the following requests:

- The report shall update the cross sections and incorporate the findings from the additional investigation to illustrate the subsurface lithology and the residual concentrations remaining the soil.
Calculations of residual contaminant mass remaining in the soil and groundwater shall be included.
Tables shall be included in the report that summarizes all the soil and groundwater sample results collected to date and shall demonstrate which samples represent soil that has been removed.
The site plan illustrations shall include the location of all boring, sample, and well locations on one single plan.
Please include file number 29-80336 on all correspondences for this site.
A drilling permit is required for the work. The permit application can be acquired on the Solano County website.
A 48-hour notice is required prior to initiating the field work.

If you have any questions regarding this notice, please contact me at (707) 784-6765.

Sincerely,

Misty C. Kaltreider (handwritten signature)

Misty C. Kaltreider, CHMM, PG, CEG
Engineering Geologist

PROJECT NO: 042609
ORIGINATOR: CR
DATE: 11/19/09
[X] CORRESPONDENCE FILE
[ ] ENGINEERING FEES FILE
[ ] VENDOR FILE
[ ] OUT-OF-OFFICE REPORTS FILE
[ ] FIELD FILE

CC: Magna Entertainment Corp, C/O Fernando Carou, 275 N. First Street, Dixon, CA 95620
Kristin Shelton, Central Valley RWQCB, 11020 Sun Center Dr., # 200, Rancho Cordova, CA 95670
Gregory Ruiz, Conestoga-Rovers & Assoc, 202 Val Dervin Parkway, Suite 400, Stockton, CA 95206

APPENDIX C

FEBRUARY 17, 2009 CRA CORRESPONDENCE





February 17, 2009

Reference No. 042609

Misty C. Kaltreider, P.G., C.E.G.  
Engineering Geologist  
Department of Resource Management  
675 Texas Street, Suite 5500  
Fairfield, CA 94533

Dear Ms. Kaltreider

**Re: Request for Closure of activities related to former Diesel AST  
Former Mistler Farm Property, 8405 Pedrick Road, Dixon, California**

On behalf of Magna Entertainment Corporation (MEC) Conestoga-Rovers & Associates (CRA) is submitting this request for Closure of the activities related to a former Diesel fuel aboveground storage tank (AST) located at the former Mistler Farm Property at 8405 Pedrick Road in Dixon, California (Site). The Site location is shown on Figure 1. This closure request is being submitted as comprehensive investigation, soil remediation, groundwater monitoring activities, and sensitive receptor survey indicate that the area of the former Diesel AST no longer poses a threat to human health or the environment. The following sections of this letter provide a site description and a summary of supporting information for the closure request followed by summary discussions of the actual activities that were undertaken.

**1.0 SITE DESCRIPTION**

The Site (Figure 2) consists of a rectangular tract of vacant land, extending approximately 300 feet north-south, and approximately 1,020 feet east-west. The Site, APNs 0111-040-010, 020,030,040, and 0111-080-050, covers approximately seven acres in the N ½, SW ¼, SE ¼ of Section 1, Township 7 North, Range 1 East of the Mount Diablo Baseline and Meridian, in the town of Dixon, Solano County, California. The land surface is nearly flat, with a slope gradient less than 0.005 ft/ft to the southeast. The surface elevation is approximately 65 feet above sea level. The Site currently is surrounded on all sides by cropland. A dirt road extends west from Pedrick Road and crosses the southern part of the Site. Investigation activities performed subsequent to the Phase I ESA revealed that the only area of concern was the former AST area, the layout of which is presented in Figure 3.

**2.0 REQUEST FOR CLOSURE SUPPORT SUMMARY**

Based on the Site activities undertaken from 2005 to 2008, MEC has met the investigation and remedial requirements for consideration for closure related to the former Diesel fuel aboveground storage tank (AST) at the former Mistler Farm Property. These requirements, as



February 17, 2009

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Reference No. 042609

stipulated by the Solano County Department of Resource Management (SCDRM) in their August 24, 2007 letter to MEC, are outlined below along with the current status based on the work undertaken by CRA on behalf of MEC:

- **Adequate Investigation** – *Hydrogeology, contaminants and receptors are adequately characterized.*

Hydrogeology and contaminants were investigated in the Soil Investigation by CRA in February 2005 and the subsequent Soil and Groundwater Investigation by CRA in May 2005 (See Section 3 for details). Both reports have been submitted to SCDRM. Refer to Sections 4.0 and 5.0 for a detailed summary of these two investigations

Receptors were identified in the October 10, 2008 Sensitive Receptor Survey.

- **Adequate Remediation**– *The Site was actively remediated to an extent appropriate for the Site conditions.*

SCDRM approved an active Remedial Action Plan prepared by CRA. In November 2006, the approved RAP was implemented, resulting in the removal of approximately 926 cubic yards of impacted soils. Confirmatory sampling from the walls of the completed excavation, above the groundwater table, indicated no benzene, toluene, ethylbenzene, and xylenes (BTEX) were present. Residual total petroleum hydrocarbons as diesel (TPH-d) impacts were present in only 2 of 30 samples collected. Therefore, a successful removal of the source of the diesel impacted soil was achieved.

- **Stable Plume** – *Dissolved phase concentrations in the groundwater shall be demonstrated to be stable and decreasing over time in static conditions.*

Following the impacted soil source removal, one year of quarterly groundwater monitoring was undertaken. The four quarterly sampling events showed that no BTEX or TPH-d were present in the groundwater. There was a detection of an “unknown” hydrocarbon (which is considered to be weathered diesel), but in low concentrations.

- **Public Health Not Unreasonably Threatened** – *Any water supply wells and other receptors will not be threatened from residual impacted soil and/or groundwater.*

The source of the diesel impacted soil was removed. Four consecutive quarterly groundwater sampling events showed that there is no BTEX or TPH-d in close proximity to the former Diesel AST. Low concentrations of weathered diesel in the TPH-d range were found in the shallow groundwater, which suggest that processes of natural attenuation and biodegradation are well underway. The Sensitive Receptor Survey findings, as discussed in Section 8.0, indicate that there are no water supply wells within 500 feet radius of the area of the former Diesel AST and



therefore the low concentration of weathered hydrocarbon impact would dissipate due to natural attenuation or dilution before the plume reaches an off-Site well screened in this aquifer.

### **3.0 SUMMARY OF HYDROGEOLOGY INVESTIGATION ACTIVITIES**

Magna Entertainment Corporation (MEC) first contracted with CRA to perform investigative activities at the Site in February of 2005. These investigative activities were prompted by a Phase I ESA performed for the Site in 2001 by AMEC Earth and Environmental. The Phase I ESA identified three potential areas of concern related to possible soil contamination and recommended a limited Phase II soil investigation.

Soil investigation activities were carried out in February 2005 and again in May 2005. Groundwater investigation activities were carried out in May 2005. Both these activities can be considered part of the investigation activities required by the SCDRM in order to present this Site to the Central Valley Regional Water Quality Control Board (CV-RWQCB) for closure.

### **4.0 SUMMARY OF LIMITED SOIL INVESTIGATION**

Based on the findings of the Phase I ESA, soil investigation activities were initiated in the following areas: 1) the former 10,000-gallon diesel fuel above-ground storage tank (AST), 2) the group of six former ASTs, and 3) the former suspect landfill on the Site. The soil investigation field work was performed on February 24 and 25, 2005. The scope of work for this soil investigation consisted of excavating test pits with a backhoe at the three potential areas of concern and collecting soil and groundwater samples as required. CRA personnel using a Case backhoe excavated test trenches. Black petroleum-stained soils were observed in the former 10,000-gallon AST area. Soil samples 038627-DJP-022405-201 and 038627-DJP-022405-202 were collected from the backhoe bucket, at depths of approximately 10.5 feet and 5 feet respectively. The location of the trenches in the former UST Area and sample collection locations is shown in Figure 4.

From the group of six former ASTs, a series of four parallel east-west trenches were excavated, each approximately three feet deep by 10 feet long and spaced approximately 5 feet apart. No sign of soil staining was observed in any of the trenches. No soil samples were collected. No further investigation was considered warranted. Trenching activities were also conducted in the suspect former landfill area and soil samples were collected. The field observations and laboratory analyses revealed no properties of the suspect landfill material that would prevent its excavation and removal as non-hazardous waste.



February 17, 2009

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Reference No. 042609

#### **4.1 SOIL SAMPLES FROM AREA OF FORMER 10,000-GALLON DIESEL FUEL AST**

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The two soil samples from the area of the former 10,000-gallon diesel storage tank were analyzed for VOCs by USEPA Method 8260, SVOCs by USEPA Method 8270, and TPH-d by USEPA Method 8015 (Modified).

A summary of the detected compounds in the soil samples from the vicinity of the former 10,000-gallon diesel AST are provided on Table 1. No VOCs or SVOCs were detected. The laboratory reported TPH-d at concentrations of 15,000 milligrams per kilogram (mg/kg) for the sample collected at the 10.5 foot depth, and 7,100 mg/kg for the sample collected from the 5 foot depth (Table 1).

#### **4.2 SOIL INVESTIGATION DISCUSSION**

The soils with petroleum staining in the vicinity of the former 10,000-gallon diesel AST appeared to underlay an area approximately 20 feet across and partially beneath the concrete pad. Soils impacted by diesel fuel extended to a depth of approximately 10.5 feet.

Due to the depth to groundwater at the Site (20 feet beneath the ground surface (bgs)), the potential that the petroleum hydrocarbon impacts reached the shallow groundwater existed. The CV-RWQCB utilizes screening levels to evaluate the petroleum hydrocarbon impact in soils above the groundwater. For diesel, which typically has a carbon chain range between C-13 and C-32, the allowable CV-RWQCB screening level at a site with a depth to groundwater less than 20 feet bgs would range from 100 mg/kg to 1,000 mg/kg. For this Site, the 1,000 mg/kg screening level was used based on the nature of the compound.

Based on the sample analytical data as presented on Table 1, the concentrations detected exceeded the CV-RWQCB criteria. Therefore, CRA recommended that additional Site investigation activities directed towards the delineation of the horizontal and vertical extent of the compound presence be conducted. In addition to the to the soil delineation activities, CRA also recommended that the proposed activities include the collection and analysis of one or more shallow groundwater samples to determine if the impacted soils had affected the shallow groundwater. To do this, a series of GeoProbe® borings was recommended to delineate the vertical extent of diesel-impacted soils, the lateral extents any groundwater affected by diesel fuel, and the direction of groundwater movement.



February 17, 2009

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Reference No. 042609

## **5.0 SUMMARY OF ADDITIONAL SOIL AND GROUNDWATER INVESTIGATION**

### **5.1 BORING INSTALLATION/SAMPLING**

A total of ten borings utilizing direct push (GeoProbe®) technology were advanced to investigate the former AST location (Figure 5). Four borings (GP-1 through GP-4) were advanced to depths ranging from 20 to 24 feet bgs to collect soil and groundwater information/samples. Six borings (GP-5 through GP-10) were advanced to depths ranging from 16 to 20 feet bgs to collect soil information/samples only.

Soil samples were selected for laboratory analysis at depths of 5 and 10 feet bgs, just above the static water level (usually 16 feet bgs), or where otherwise appropriate. Groundwater samples were collected via teflon tubing equipped with small check valves. Borings designated for soil sample collection only (GP-5 through GP-10) were advanced to 16 to 20 feet bgs. The soil samples were collected at the intervals described above.

The soil samples were submitted for analysis for TPH-d via USEPA Method 8015 (modified). The groundwater samples were submitted for analysis for TPH-d via USEPA Method 8015 (modified) as well as VOCs including BTEX and Fuel Oxygenates via USEPA Method 8260B. The analytical results are summarized in Table 2.

### **5.2 GROUNDWATER ELEVATION SURVEY**

The groundwater elevation survey was conducted on May 4, 2005. The top of the PVC screen casing elevation (0.01 foot accuracy) installed in borings GP-1 through GP-4 the preceding day were level surveyed (Topcon Model AT-G4 Auto Level and Philadelphia Rod) relative to an assumed elevation of 65 feet above mean sea level (southeast corner of concrete pad of former AST). Depth to groundwater measurements (groundwater was allowed to reach static equilibrium overnight) was recorded and the groundwater elevations in each boring were then calculated.

### **5.3 REGULATORY CRITERIA**

Soil analytical data were compared to criteria established by the State Water Resources Control Board – LUFT Manual for Clean-up Level Determination of Petroleum Impacted soil, as well as the San Francisco Bay Regional Water Quality Control Board's (SFB-RWQCB) environmental screening levels (ESLs) as referenced in the Board's "Screening for Environmental Concerns as Sites with Contaminated Soil and Groundwater" – Volume 1: Summary Tier 1 Lookup Tables.



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Groundwater analytical data were compared to the CV-RWQCB's Water Quality Goals, Primary Maximum Contaminant Levels (MCLs).

These values are as follows:

Compound	Residential ESLs (Soil) Groundwater Protection (mg/kg)		MCLs (Groundwater) (ug/L)
	Non-potable GW	Potable GW	
Benzene	2.0	0.044	1.0
Toluene	9.3	2.9	150
Ethyl Benzene	4.7	3.3	300
Xylenes	110	2.3	1750
TPH-D	1,800	83	NA
TPH-Residual Fuel	NA	NA	NA

**5.4 ANALYTICAL RESULTS**

Thirty soil samples were collected from ten soil borings in and around the former AST. TPH-d was detected in all of the samples ranging from 1.4 mg/kg to 20,000 mg/kg.

For TPH-d concentrations, the LUFT site-specific and the ESL concentration values for shallow soils where groundwater is a current or potential source for drinking water are similar values, at 100 mg/kg and 83 mg/kg respectively.

Based on these criteria, the following soil samples exceeded regulatory screening limits:

Parameter	Soil Boring Identifier	Sample Depth (ft. bgs)	Detected Concentration (mg/kg)	Screening Concentration LUFT/ESL
TPH-d	GP-1	5	2,000	100/83 mg/kg
		10	4,900	100/83 mg/kg
		16	5,600	100/83 mg/kg
	GP-2	16	240	100/83 mg/kg
	GP-6	3	16,000	100/83 mg/kg
	GP-10	5	20,000	100/83 mg/kg
		10	980	100/83 mg/kg
16		9,700	100/83 mg/kg	

Four groundwater samples were collected from four of the ten soil borings in and around the former AST (GP-1, GP-2, GP-3, and GP-4). TPH-d concentrations were detected in three of the



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four samples collected and ranged in concentrations from 150 ug/L to 310,000 ug/L. For TPH-d concentrations, the ESL concentration is 83 ug/L. BTEX - Volatile Organic Compounds (VOCs) were detected in all four of the samples collected. The VOC fuel oxygenate MTBE was detected in only one of the samples (GP-1). None of the VOC compounds detected exceeded MCL or ESL values for groundwater.

Based on these criteria, the following groundwater samples exceeded regulatory screening limits.

Parameter	Groundwater Boring Identifier	Detected Concentration (ug/L)	Screening Concentrations
TPH-d	GP-1	310,000	100 ug/L
	GP-2	180	100 ug/L
	GP-3	150	100 ug/L

## 5.5 DISCUSSION

TPH-d concentrations were detected in all of the soil samples from the ten borings submitted for laboratory analyses. The area of the most significant impact appeared to occur from a source area just beneath the west side of the concrete pad that supported the former AST (vicinity of samples 038627-DJP-022405-201 and 202 and borings GP-1 and GP-6). The impacted soil spread radially outward and down from this source location to where it encountered groundwater. This area was approximately 600 square feet with a volume of approximately 400 cubic yards (assuming an 18-foot depth). A thin lens of impacted soil was detected in the soil sample collected from a depth of three feet in boring GP-6.

TPH-d impacted groundwater was detected in three of the four groundwater samples submitted for laboratory analysis. All three exceeded regulatory screening limits (100 ug/L). The highest concentration (310,000 ug/L) was detected almost directly beneath the suspected source area described above. TPH-d concentrations decreased rapidly outward from the source and were not detected in boring GP-4.



## 5.6 CONCLUSIONS AND RECOMMENDATIONS

THP-d concentrations exceeding regulatory screening limits were detected in soil and groundwater samples collected at/near the former 10,000-gallon diesel AST. The horizontal extent of TPH-d impact to area groundwater was limited to the area immediately surrounding the former AST. The vertical extent of the TPH-d impact had extended to the groundwater table and had reached the uppermost water bearing zone.

CRA recommended that the impacted soils (which were the source of the diesel concentrations in groundwater) be removed and properly disposed off-Site and that a quarterly groundwater monitoring program be initiated to assess the impacted groundwater naturally attenuating and biodegrading over time. SCDRM concurred with this recommendation.

## 6.0 SUMMARY OF SITE REMEDIATION ACTIVITIES (SOIL EXCAVATION)

On November 28 and 29, 2006, CRA oversaw the removal of approximately 926 cubic yards of diesel-impacted soils and collected confirmatory samples from walls and floor of the completed excavation.

Prior to the excavation commencement, the former above ground storage tank (AST) concrete slab was broken up and stockpiled. The excavation then began in 1-foot lifts. Soils were segregated as to TPH-d concentrations over 8,000 mg/kg and below 8,000 mg/kg for disposal purposes. Soils were segregated based on PetroFlag® field-testing performed by CRA on-Site personnel. PetroFlag® testing was also used to determine the extent of the excavation. Once readings were achieved below 100 mg/kg, the excavation activities were concluded pending laboratory analytical results.

Following the completion of the excavation CRA visually inspected (along with PetroFlag® confirmation) the sidewalls and bottom of the excavation pit prior to the collection of soil samples from each sidewall and bottom. It should be noted that some stained soils remained at the bottom of the excavation. These soils were left because they were below the groundwater table, approximately 20 feet bgs. The soil samples were collected utilizing the bucket of the backhoe with a stainless steel hand trowel to gather undisturbed soils from the excavation sidewalls and bottom. This was done by removing the outer 1-2 inches of soil in the backhoe bucket followed by transferring the undisturbed subsurface soil directly to laboratory prepared sample containers. In addition to the backhoe samples, a five-point composite sample was collected from each of the stockpiled soils following the same procedure as discussed above.

All the soil samples were analyzed for TPH-d utilizing USEPA Method 8015 MOD.





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Because an insufficient number of confirmation samples were collected during the initial sample collection phase, CRA personnel returned to the Site on December 15, 2006 to collect additional confirmation samples as requested by SCDRM. These additional sample collection locations, along with the initial sample collection locations and the excavation limits, are presented on Figure 6. The excavation pit remained open pending the analytical results.

Following receipt of the analytical results, the excavation was determined to be complete. The excavation was then backfilled with ½ imported clean fill and ½ shallow on-Site surface scraped soil. These fill soils were compacted using on-Site equipment in 3-foot lifts.

## **6.1 SOIL SAMPLE ANALYTICAL RESULTS**

A total of thirty soil samples were collected and submitted to STL-Sacramento for analyses. Initially, on November 29, 2006, a total of two composite stockpile and six discrete excavation samples were collected and submitted for analyses. Because this was determined not to be a sufficient number of samples for the size of the excavation by SCDRM, twenty-two (22) additional samples were collected from the sidewalls of the excavation and submitted for analyses on December 15, 2006. Table 3 presents the detected concentrations for the excavation soil sample results for the Site.

Of the confirmatory soil samples analyzed, (collected from the walls and floor of the completed excavation) two samples exhibited concentrations for the target analyte (TPH-d). TPH-d concentrations detected were 1,800 mg/kg from the east bottom of the excavation and 150 mg/kg from the 20-foot bgs west sidewall samples. Both of these samples were collected at the excavation bottom, below the groundwater table.

While these two concentrations of TPH-d are higher than the screening criteria, these concentrations appear to be isolated areas containing minimal residues. Samples collected from a depth of 20 feet bgs along five other locations along the sides of the excavation sidewall, as well as a sample collected from the west bottom of the excavation, had non-detect TPH-d concentrations. In 20 of the 30 soil samples analyzed, the lab detected an unknown hydrocarbon (quantitative n-C14 to n-C38) ranging from 1.5 mg/kg to 270 mg/kg. The three unknown hydrocarbon concentrations exceeding the TPH-d criteria (130 mg/kg, 190 mg/kg, and 270 mg/kg) were reported by the laboratory as being elevated due to matrix interference. Overall, soil encountered at the excavation sidewalls and along the excavation bottom had concentrations of TPH-d and the unknown hydrocarbon were below screening criteria with few, minor exceptions.



## 7.0 SUMMARY OF GROUNDWATER MONITORING ACTIVITIES

Four monitoring wells were constructed on March 13 and 14, 2007 in an effort to delineate the horizontal extent of petroleum hydrocarbon impact to Site groundwater and to provide a monitoring network to assess the progress of the removal remedial actions. The location of these monitoring wells is presented in Figure 7.

Following well installation and development, the newly constructed wells were surveyed and sampled on March 30, 2007. CRA collected groundwater samples from the monitoring wells located on-Site for four consecutive quarters during 2007/2008.

Groundwater monitoring activities included the collection of groundwater elevation data and groundwater samples from each of the wells every sampling event. Table 4 contains the cumulative groundwater monitoring data available from the wells to date. Table 5 contains the historical observed groundwater flow directions.

## 7.1 GROUNDWATER SAMPLE ANALYTICAL RESULTS

The groundwater samples were submitted under chain-of-custody protocol to STL Laboratories (which became TestAmerica Laboratories during this period groundwater samples were collected). The groundwater samples were analyzed for TPH-d, BTEX, and SVOCs. A compilation of the detected analytical parameters for the groundwater data is presented in Table 4.

None of the TPH-d, BTEX, and SVOC compounds of concern were detected at or above the laboratory reporting limits.

Unknown diesel range hydrocarbons (outside the diesel reference due to weathering) were detected at a concentration of 300 µg/L from the groundwater sample collected from MW-2 on May 15, 2008. As can be seen in Table 4, the concentration of unknown hydrocarbon has been increasing since this well was incorporated into the sampling event. A groundwater sample collected on March 30, 2007 had no detect levels of TPH-d. More recently, a groundwater sample collected on May 15, 2008 had 300 µg/L of a weathered diesel hydrocarbon. The SCDRM has expressed concerns about this increasing concentration as referenced in the SCDRM correspondence of August 24, 2007, which states that "the dissolved phase concentrations in the groundwater shall be demonstrated to be stable and decreasing over time." It should be noted, however, the source of the diesel impact has been removed. Regardless of the reasons for the increase in the unknown hydrocarbon concentration, with no source present in the Site soil, the lingering amounts of weathered diesel will degrade due to natural attenuation and biological degradation.



## **7.2 SITE GEOLOGY AND HYDROGEOLOGY**

The Site is in the Central Valley of California, a large topographic and groundwater basin. Soil beneath the Site consists of alluvial clayey silt/silty clay, silt, silty fine sand/sandy silt, sand, and gravel. Depth to groundwater has been observed to be approximately 20 feet below the ground surface (bgs). The groundwater flow gradient was observed to flow to the north at 0.01 ft/ft during CRA's March 2005 investigation that was conducted while an irrigation ditch located approximately 20 feet south of the former AST pad was actively flowing. Groundwater gradient information collected as part of quarterly monitoring events indicates that groundwater flow ranges from 0.001 ft/ft northwest to 0.002 ft/ft north-northeast. It should be noted that the previously used irrigation ditch has been abandoned. Under normal conditions groundwater would be expected to flow to the east-southeast at a gradient of 0.005 ft/ft consistent with regional topography. CRA now believes that groundwater may be influenced by subtle local topographic anomalies or seasonal variation due to irrigation activities (which may include pumping from agricultural wells).

## **8.0 SUMMARY OF SENSITIVE RECEPTOR CHARACTERIZATION ACTIVITIES**

A correspondence received from the SCDRM on August 24, 2007 indicated that quarterly groundwater monitoring and sampling shall be conducted until receipt of no further action declaration for the Site from the SCDRM or the CV-RWQCB. SCDRM also stated criteria that must be met in order for the Site to be presented to the CV-RWQCB for closure consideration. One of the criteria is proof that any water supply wells and other receptors (within the vicinity of the Site) will not be threatened from residual impacted soil and/or groundwater.

A Sensitive Receptor Survey was conducted in October 2008, which showed 16 wells within a 2,000-foot radius of the former Diesel AST, but no water supply wells (only monitoring wells) within a 500-foot radius of the former Diesel AST. No physical evidence of a potable water well or irrigation well was observed on-site during a field visit to the Site on June 13, 2008.

While several wells are situated within 2,000 feet of the Site, current City of Dixon plans are to connect all developments within the city limits to the municipal water system. Therefore, in the future none of these wells are likely to be used for drinking purposes.

The flow of groundwater, as calculated from groundwater elevations collected from the four on-Site monitoring wells, has ranged from northwest to northeast; away from the surface irrigation ditch. The gradient is suspected to be variable and may be influenced by local subtleties in topography. The gradient of groundwater, as calculated from groundwater elevations collected from the four on-Site monitoring wells, since the irrigation ditch has been abandoned, has ranged from 0.001 ft/ft to 0.002 ft/ft. Any lingering amounts of hydrocarbon



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impact would dissipate due to natural attenuation or dilution before the plume reaches an off-Site well screened in this aquifer.

## 9.0 CONCLUSIONS

Based on the Site activities undertaken from 2005 to 2008 summarized in previous sections of this letter, MEC has met the investigation and remedial requirements for consideration for closure related to the former Diesel fuel AST at the former Mistler Farm Property. These requirements, as stipulated by the SCDRM in their August 24, 2007 letter to MEC, are outlined below along with the current status based on the work undertaken by CRA on behalf of MEC:

- **Adequate Investigation** – *Hydrogeology, contaminants and receptors are adequately characterized.*

Hydrogeology and contaminants were investigated in the Soil Investigation by CRA in February 2005 and the subsequent Soil and Groundwater Investigation by CRA in May 2005 (See Section 3 for details). Both reports have been submitted to SCDRM. Refer to Sections 2 and 3 for a detailed summary of these two investigations

Receptors were identified in the October 10, 2008 Sensitive Receptor Survey.

- **Adequate Remediation**- *The Site was actively remediated to an extent appropriate for the Site conditions.*

SCDRM approved an active Remedial Action Plan prepared by CRA. In November 2006, the approved RAP was implemented, resulting in the removal of approximately 926 cubic yards of impacted soils. Confirmatory sampling from the walls of the completed excavation, above the groundwater table, indicated no BTEX present. Residual TPH-d impacts were present in only 2 of 30 samples collected. Therefore, a successful removal of the source of the diesel impacted soil was achieved.

- **Stable Plume** – *Dissolved phase concentrations in the groundwater shall be demonstrated to be stable and decreasing over time in static conditions.*

Following the impacted soil source removal, one year of quarterly groundwater monitoring was undertaken. The four quarterly sampling events showed that no BTEX or TPH-d were present in the groundwater – no detections. There was a detection of an “unknown” hydrocarbon (which is considered to be weathered diesel), but in low concentrations. As the source of the hydrocarbon impact (contaminated soil) has been removed the concentrations will dissipate with time.



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- *Public Health Not Unreasonably Threatened* – Any water supply wells and other receptors will not be threatened from residual impacted soil and/or groundwater.

The source of the diesel impacted soil was removed. Four consecutive quarterly groundwater sampling events showed that there is no BTEX or TPH-d in close proximity to the former Diesel AST. Low concentrations of weathered diesel in the TPH-d range were found in the shallow groundwater, which suggest that processes of natural attenuation and biodegradation are well underway. The Sensitive Receptor Survey findings, as discussed in Section 6.0, indicate that there are no water supply wells within 500 feet radius of the area of the former Diesel AST and therefore the low concentration of weathered hydrocarbon impact would dissipate due to natural attenuation or dilution before the plume reaches an off-Site well screened in this aquifer.

#### 10.0 RECOMMENDATION

It is the recommendation of CRA that this Site be presented for closure, based on having met the SCDRM criteria for closure by activities undertaken from 2005 to 2008.

Yours truly,

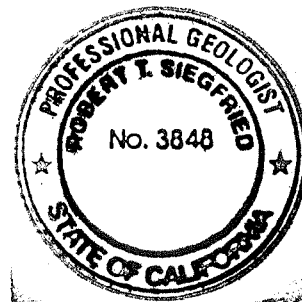
CONESTOGA-ROVERS & ASSOCIATES

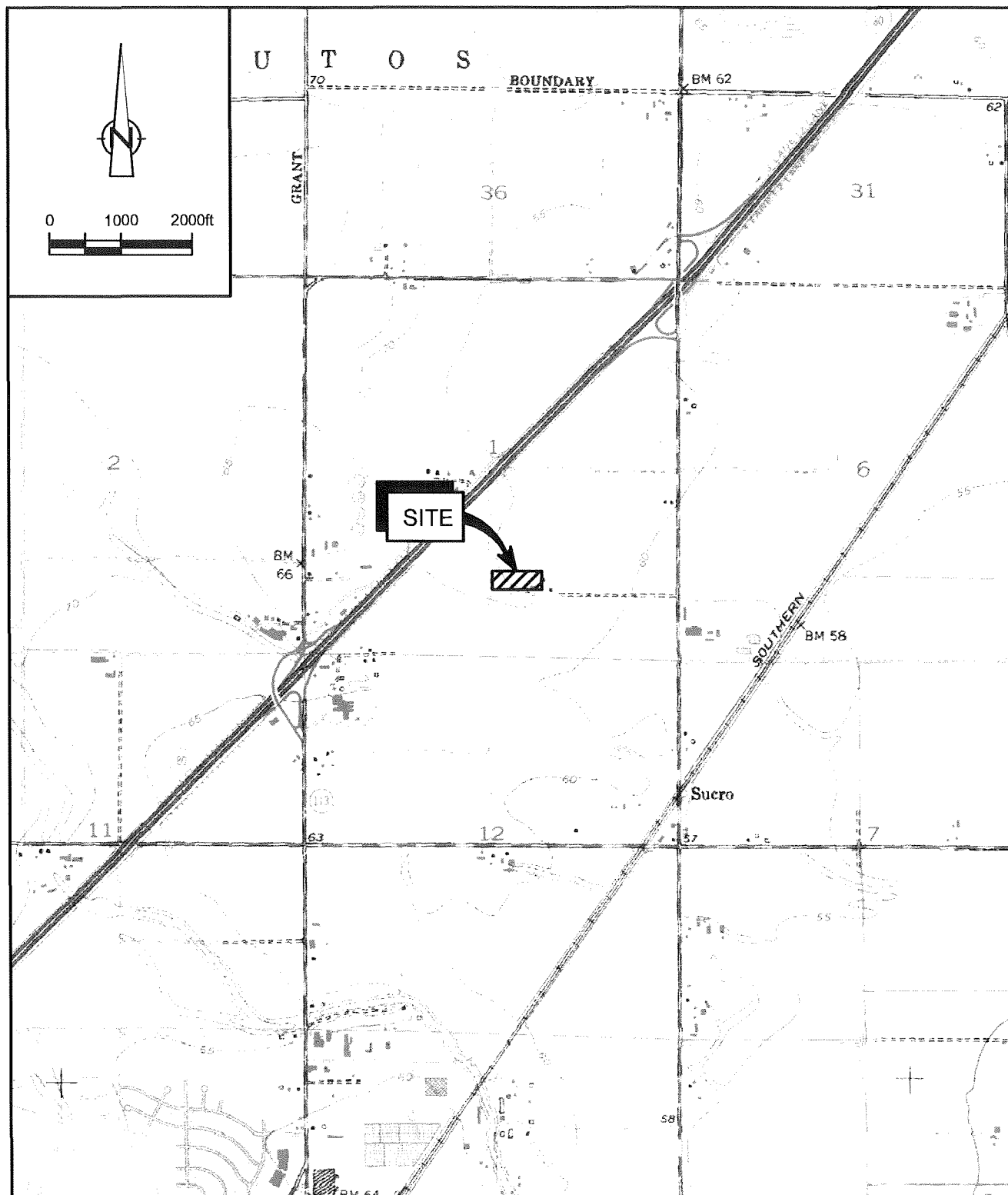
Erik A. Friedrich, REAIL, REP  
Project Manager

EAF/tt/006  
Encl.

cc: Fernando Carou, Magna Entertainment (3 copies)  
Duncan Austin, CV-RWQCB

Robert T. Siegfried, P.G., C.E.G.  
Project Geologist





SOURCE: USGS QUADRANGLE MAP;  
DIXON, CALIFORNIA

figure 1  
SITE LOCATION  
MISTLER SITE  
*Dixon, California*



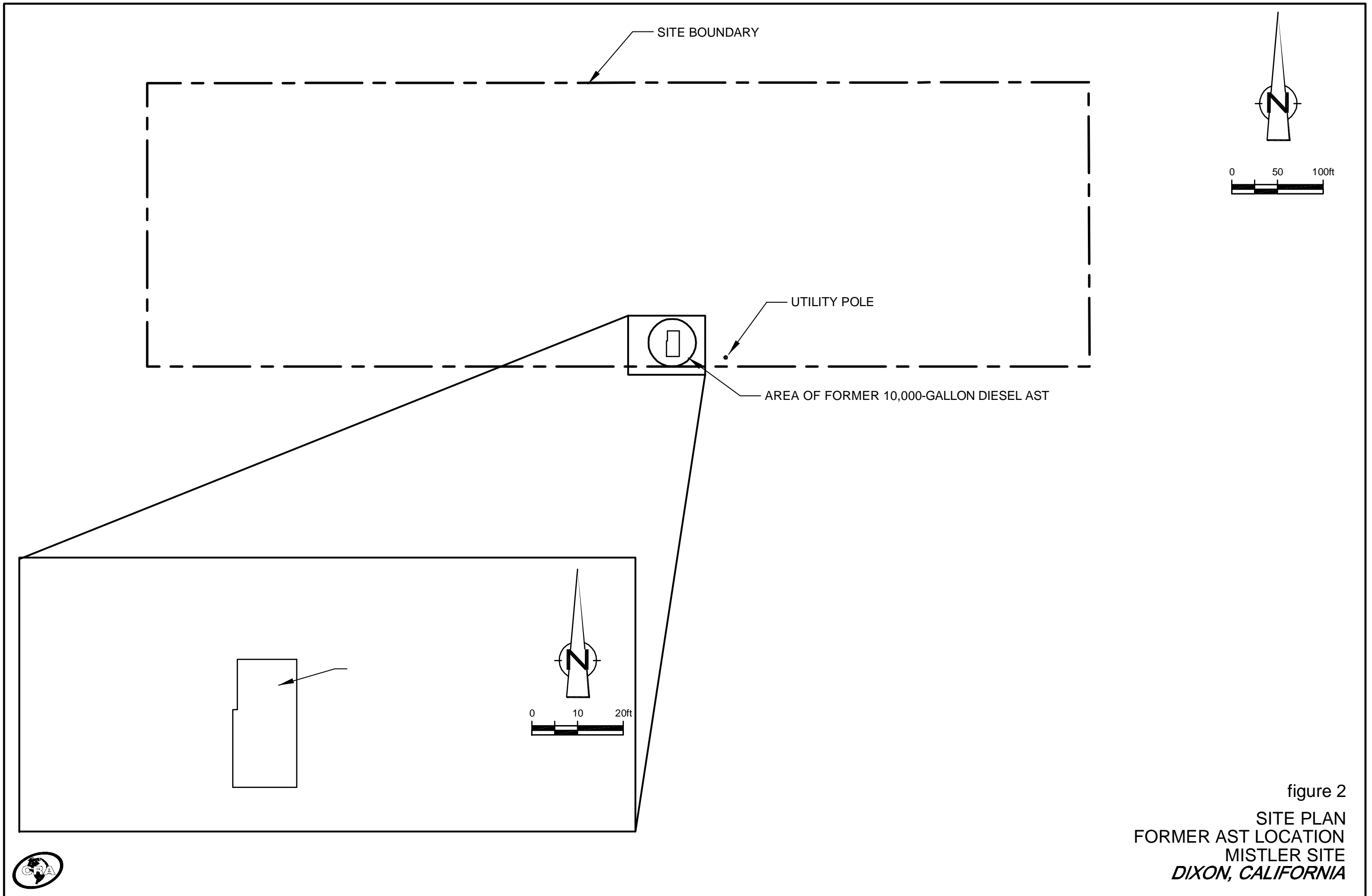


figure 2  
 SITE PLAN  
 FORMER AST LOCATION  
 MISTLER SITE  
 DIXON, CALIFORNIA



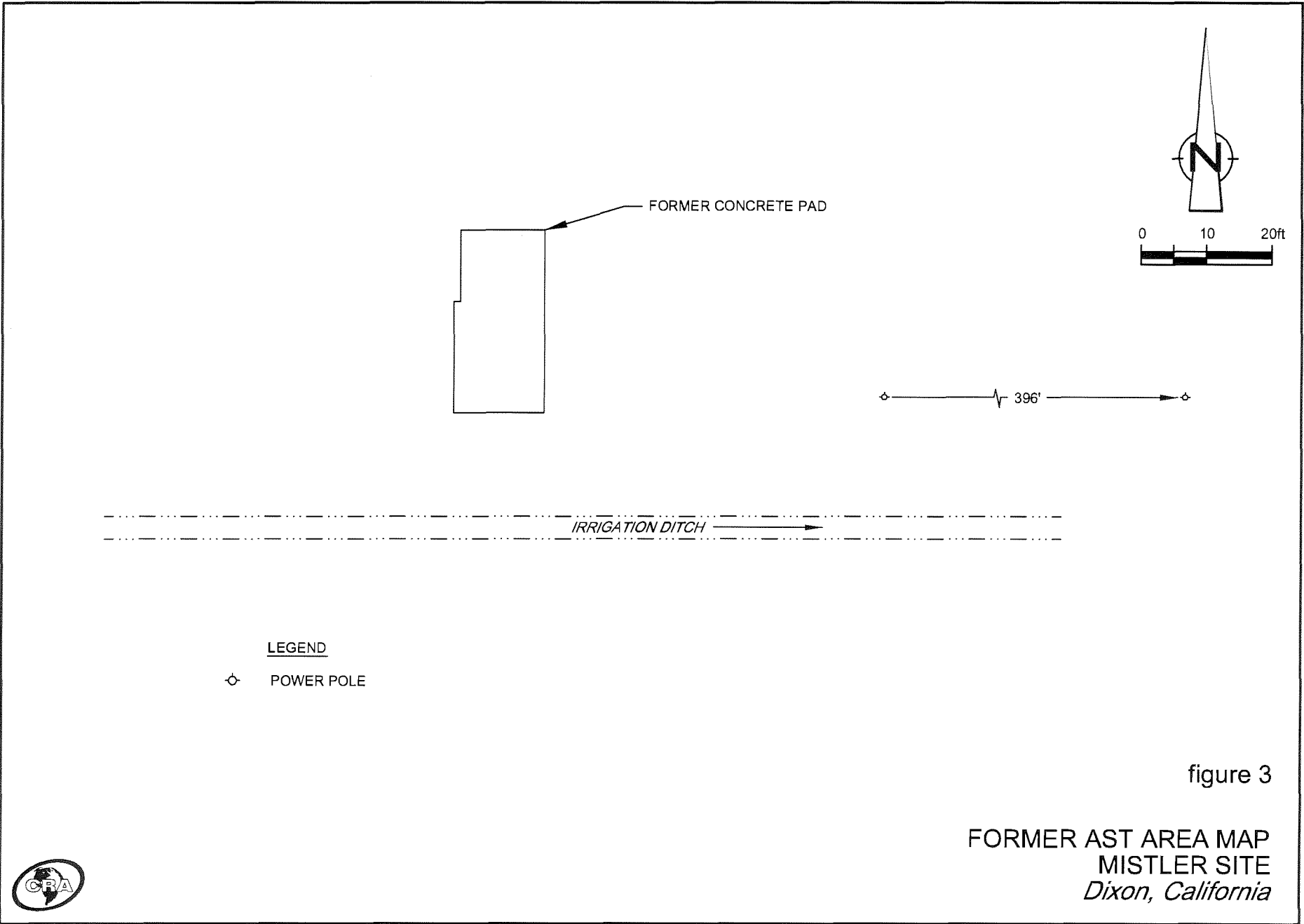


figure 3

FORMER AST AREA MAP  
 MISTLER SITE  
 Dixon, California





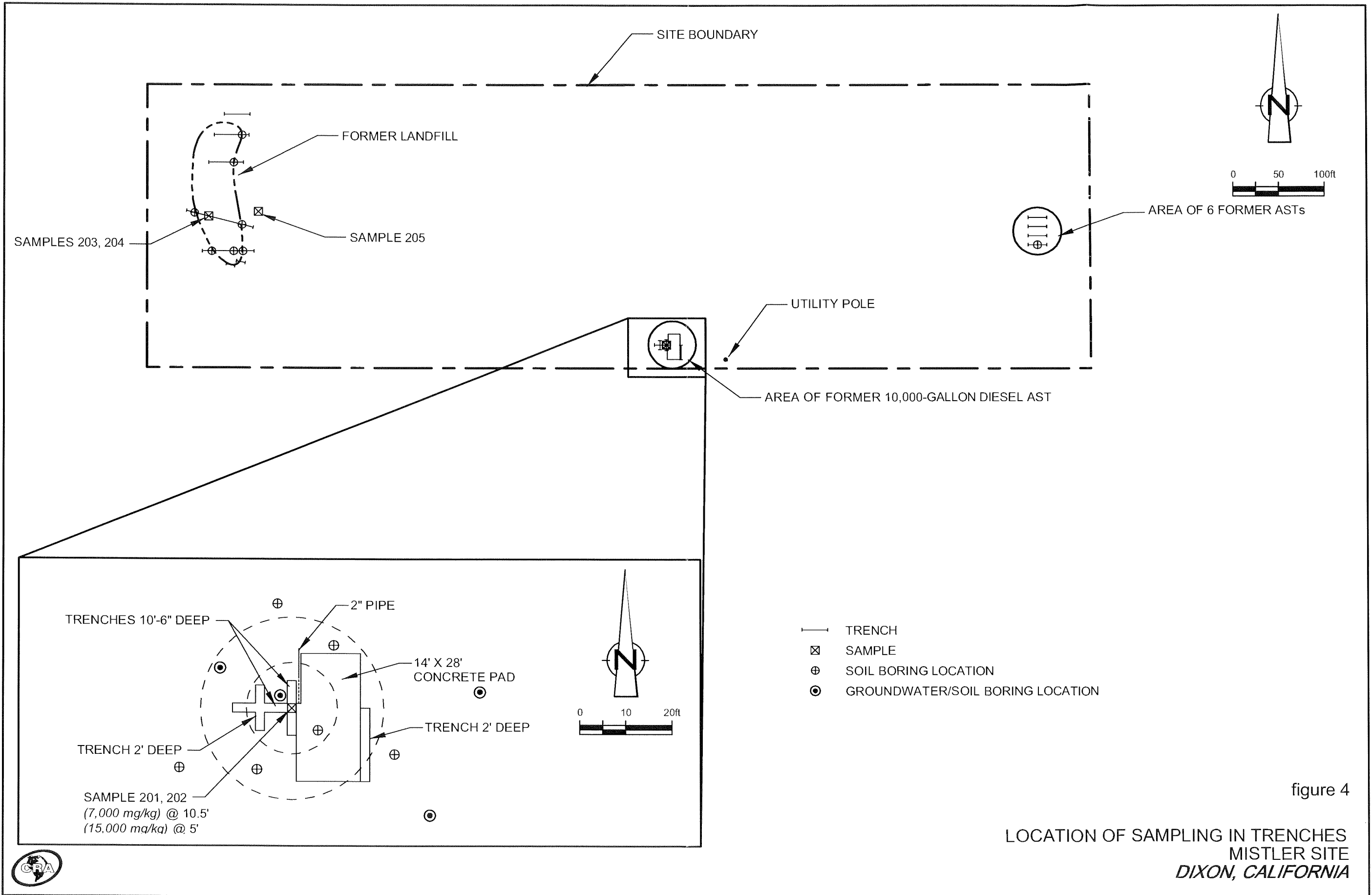
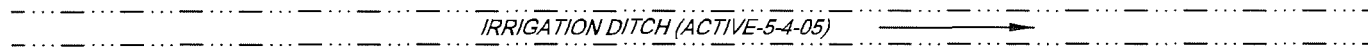
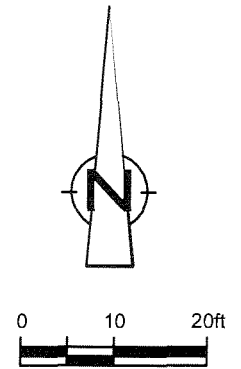
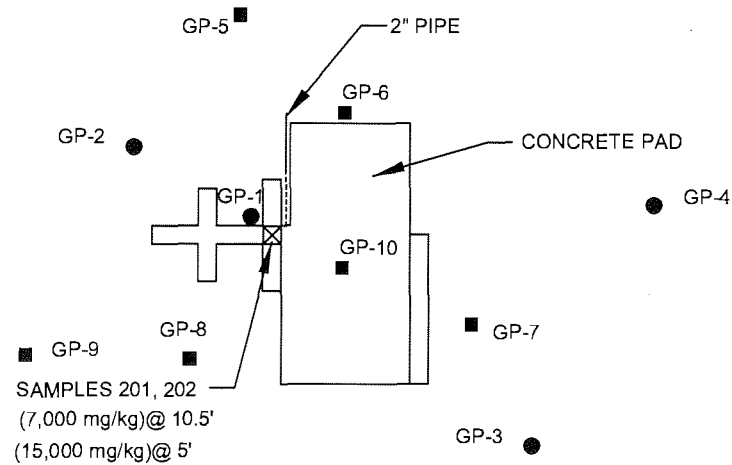


figure 4

LOCATION OF SAMPLING IN TRENCHES  
 MISTLER SITE  
 DIXON, CALIFORNIA





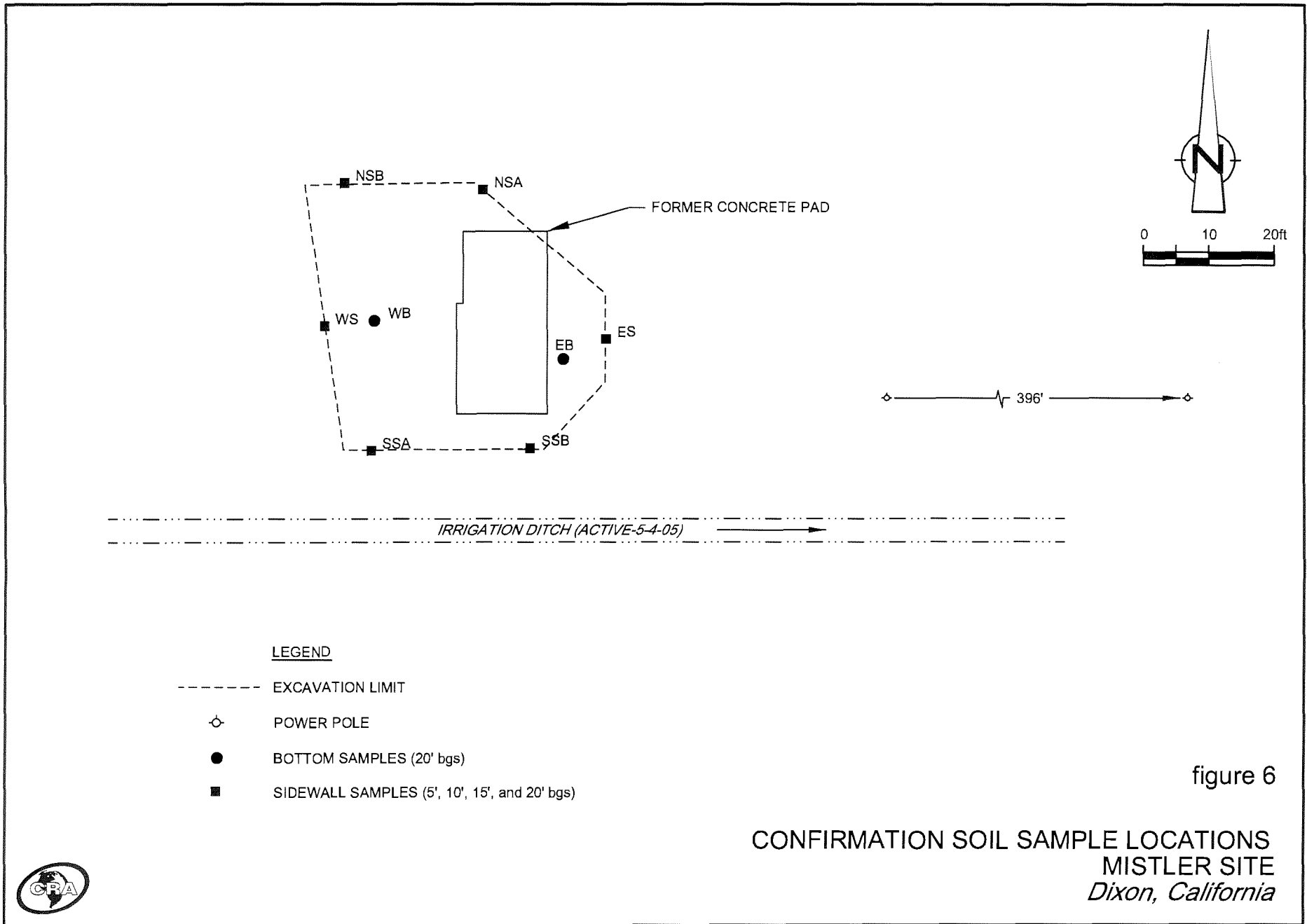
LEGEND

- GP-6 SOIL BORING
- GP-1 GROUNDWATER/SOIL BORING (MAY 2005)
- ⊠ SOIL SAMPLES (TRENCH) (MARCH 2005)

figure 5

GEOPROBE AND BORING LOCATIONS  
MISTLER SITE  
Dixon, California





**LEGEND**

- EXCAVATION LIMIT
- ◇ POWER POLE
- BOTTOM SAMPLES (20' bgs)
- SIDEWALL SAMPLES (5', 10', 15', and 20' bgs)

figure 6

CONFIRMATION SOIL SAMPLE LOCATIONS  
 MISTLER SITE  
 Dixon, California



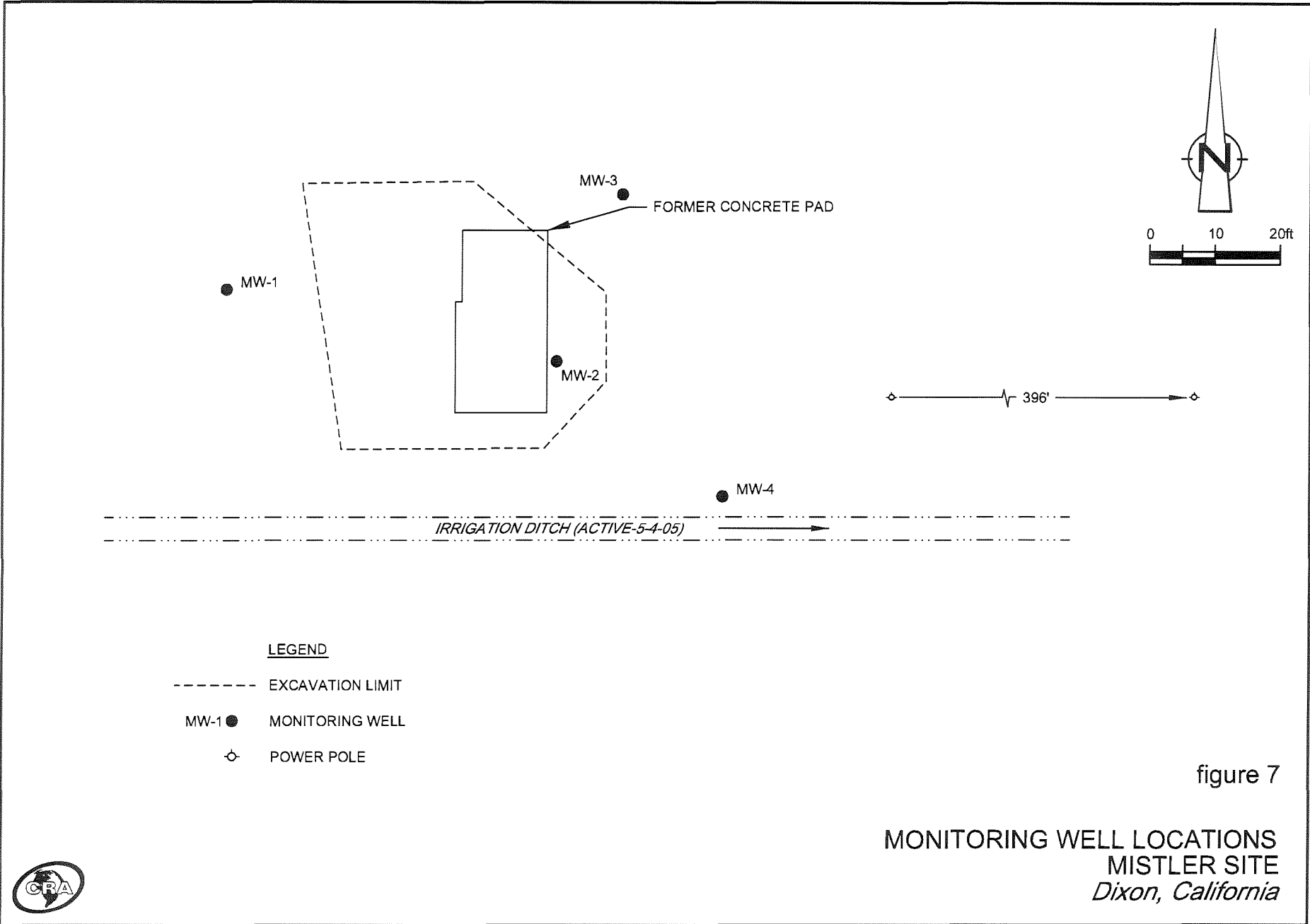


figure 7

MONITORING WELL LOCATIONS  
MISTLER SITE  
Dixon, California



**Table 1**  
**Total Petroleum Hydrocarbons in Soil**  
**Former Mistler & Vaughn Farm Property**  
**Dixon, California**

Analyte	Standard	Sample Number	
		038627-DJP-022405-201	038627-DJP-022405-202
		10.5' below Surface	5' Below Surface
Total Petroleum Hydrocarbons (as Diesel)		7,100	15,000

**Note:** All concentrations in milligrams per kilogram, by EPA Method 8015 (Modified).

**Table 2**  
**BORING ANALYTICAL RESULTS**  
**Former Mistler & Vaughn Property**  
**Dixon, CA**

Sample ID	Field Point	Depth (ft)	Parameter	Concentration	Matrix	Screening Limits Soil: LUFT/ESL Groundwater: MCL/ESL
S050305-RTS-001	GP-1	5	DRO	2000 mg/kg	S	100 mg/kg
-002		10		4,900 mg/kg		
-003		16		5,600 mg/kg		
GW-0503005-RTS-001	GP-1	-	DRO	310,000 ug/L	W	100 ug/L
			Benzene	0.53 <sup>l</sup> ug/L		1.0 ug/L
			Ethyl benzene	0.41 <sup>l</sup> ug/L		3,100 ug/L/30 ug/L
			Total xylene	1.6 <sup>l</sup> ug/L		1,750 ug/L/13 ug/L
			MTBE	2.7 <sup>l</sup> ug/L		13 ug/L/5.0 ug/L
S-050305-RTS-004	GP-2	5	DRO	4.1 mg/kg	S	100 mg/kg
-005		10		3.4 mg/kg		
-006		16		240 mg/kg		
GW-050305-RTS-002	GP-2	-	DRO	180 ug/L	W	100 ug/L
			Toluene	0.21 <sup>l</sup> ug/L		150 ug/L/40 ug/L
S-050305-RTS-007	GP-3	5	DRO	6.8 mg/kg	S	100 mg/kg
-008		10		5.5 mg/kg		
-009		16		6.1 mg/kg		
GW-050305-RTS-003	GP-3	-	DRO	150 ug/L	W	100 ug/L
			Toluene	0.21 <sup>l</sup> ug/L		150 ug/L/40 ug/L
5-050305-RTS-010	GP-4	5	DRO	5.4 mg/kg	S	100 mg/kg
-011		10		4.6 mg/kg		
-012		16		2.2 mg/kg		
GW-050305-RTS-004	GP-4	-	DRO	ND	W	100 ug/L
			Toluene	0.20 <sup>l</sup> ug/L		150 ug/L/40 ug/L
S-050405-RTS-013	GP-5	5	DRO	2.4 mg/kg	S	100 mg/kg
-014		10		5.8 mg/kg		
-015		18		1.8 mg/kg		
-016	GP-6	3	DRO	16,000 mg/kg	S	100 mg/kg
-017		10		31 mg/kg		
-018		16		1.7 mg/kg		
-019	GP-7	5	DRO	3.7 mg/kg	S	100 mg/kg
-020		10		2.6 mg/kg		
-021		16		2.1 mg/kg		
-022	GP-8	5	DRO	2.8 mg/kg	S	100 mg/kg
-023		10		3.9 mg/kg		
-024		16		1.4 mg/kg		
-025	GP-9	5	DRO	ND	S	100 mg/kg
-026		10		ND		
-027		16		13 mg/kg		
-028	GP-10	5	DRO	20,000 mg/kg	S	100 mg/kg
-029		10		980 mg/kg		
-030		16		9,700 mg/kg		

**Table 2**  
**BORING ANALYTICAL RESULTS**  
**Former Mistler & Vaughn Property**  
**Dixon, CA**

**Notes:**

DRO = Diesel range organics

J = Detected below the laboratory detection limit

ND = Not detected at or above the laboratory detection limit

S = Soil sample

W = Groundwater sample

**Table 3**  
**EXCAVATION SOIL SAMPLE RESULTS**  
**Former Mistler & Vaughn Farm Property**  
**Dixon, California**

Sample ID	Sample Date	Sample Location	Sample Depth (ft)	Results					
				TPH (as Diesel) (mg/kg)	Benzene (mg/kg)	Ethylbenzene (mg/kg)	Toulene (mg/kg)	Xylenes (total) (mg/kg)	Unknown Hydrocarbon (mg/kg)
EB-112906-001	11/29/2006	Excavation East Bottom	20	1800G	--	--	--	--	<130U
WB-112906-002	11/29/2006	Excavation West Bottom	20	<1.3U	--	--	--	--	10
SS-112906-003	11/29/2006	Excavation South Sidewall	10	<1.2U	--	--	--	--	5.1
NS-112906-004	11/29/2006	Excavation North Sidewall	10	<1.2U	--	--	--	--	<1.2U
WS-112906-005	11/29/2006	Excavation West Sidewall	10	<1.2U	--	--	--	--	2.9
ES-112906-006	11/29/2006	Excavation East Sidewall	10	<1.2U	--	--	--	--	5.8
COMP1-112906-MB-006	11/29/2006	Stockpile Composite 1	--	6400G	<6.0U	25	<6.0U	110	<600U
COMP2-112906-MB-007	11/29/2006	Stockpile Composite 2	--	<1.2U	<6.2U	<6.2U	<6.2U	<6.2U	71
WS20-121506-TR	12/15/2006	Excavation West Sidewall	20	150Q	--	--	--	--	<5.8U
WS15-121506-TR	12/15/2006	Excavation West Sidewall	15	<1.2U	--	--	--	--	76
WS10-121506-TR	12/15/2006	Excavation West Sidewall	10	<1.2U	--	--	--	--	1.5
WS5-121506-TR	12/15/2006	Excavation West Sidewall	5	<1.2U	--	--	--	--	<1.2U
SSA20-121506-TR	12/15/2006	Excavation South Sidewall - A	20	<6.2U	--	--	--	--	78G
SSA15-121506-TR	12/15/2006	Excavation South Sidewall - A	15	<1.1U	--	--	--	--	8.1
SSA10-121506-TR	12/15/2006	Excavation South Sidewall - A	10	<1.1U	--	--	--	--	270G
SSA5-121506-TR	12/15/2006	Excavation South Sidewall - A	5	<1.1U	--	--	--	--	<1.1U
SSB20-121506-TR	12/15/2006	Excavation South Sidewall - B	20	<1.2U	--	--	--	--	25
SSB15-121506-TR	12/15/2006	Excavation South Sidewall - B	15	<1.2U	--	--	--	--	22
SSB10-121506-TR	12/15/2006	Excavation South Sidewall - B	10	<1.2U	--	--	--	--	2.9
SSB5-121506-TR	12/15/2006	Excavation South Sidewall - B	5	<1.2U	--	--	--	--	6.8
ES20-121506-TR	12/15/2006	Excavation East Sidewall	20	<1.2U	--	--	--	--	33
ES15-121506-TR	12/15/2006	Excavation East Sidewall	15	<1.2U	--	--	--	--	93
ES10-121506-TR	12/15/2006	Excavation East Sidewall	10	<5.9U	--	--	--	--	130G
ES5-121506-TR	12/15/2006	Excavation East Sidewall	5	<5.8U	--	--	--	--	190G
NSB15-121506-TR	12/15/2006	Excavation North Sidewall - B	15	<1.2U	--	--	--	--	68
NSB10-121506-TR	12/15/2006	Excavation North Sidewall - B	10	<1.2U	--	--	--	--	1.3
NSB5-121506-TR	12/15/2006	Excavation North Sidewall - B	5	<1.3U	--	--	--	--	<1.3U
NSA15-121506-TR	12/15/2006	Excavation North Sidewall - A	15	<1.2U	--	--	--	--	<1.2U
NSA10-121506-TR	12/15/2006	Excavation North Sidewall - A	10	<1.2U	--	--	--	--	<1.2U
NSA5-121506-TR	12/15/2006	Excavation North Sidewall - A	5	<1.3U	--	--	--	--	<1.3U

Notes:	Results and reporting limits have been adjusted for dry weight
G	Elevated reporting limit. The reporting limit is elevated due to matrix interference.
Q	Elevated reporting limit. The reporting limit is elevated due to high analyte levels
<##U	Analyte analyzed for but not detected at or above laboratory detection limits
Unkown Hydrocarbon	The unknown from n-C14 to n-C38 is quantitated based on a diesel reference from n-C10 to n-C24 only
TPH	Total Petroleum Hydrocarbons (as Diesel)



**Table 4**  
**GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS**  
Former Mistler & Vaughn Farm Property  
Dixon, California

Sampling Location	Sampling Date	TOC (ft msl)	DTW (ft)	GWE (ft msl)	Benzene (ug/L)	Ethyl- benzene (ug/L)	Toluene (ug/L)	Xylenes (ug/L)	TPH DRO (ug/L)	Unknown Hydro- Carbon (ug/L)	SVOCs
MW-1	03/30/07	65.08	20.98	44.1	<1.0	<1.0	<1.0	<1.0	<50	<50	All ND
	10/09/07	65.08	22.01	43.07	<1.0	<1.0	<1.0	<1.0	<50	<50	NA
	02/15/08	65.08	21.93	43.15	<1.0	<1.0	<1.0	<1.0	<47	<47	All ND
MW-1	05/15/08	65.08	15.75	49.33	<1.0	<1.0	<1.0	<1.0	<47	<47	NA
MW-2	03/30/07	65.61	21.55	44.08	<1.0	<1.0	<1.0	<1.0	<50	<50	All ND
	10/09/07	65.61	22.52	43.09	<1.0	<1.0	<1.0	<1.0	<50	99 120	All ND
	02/15/08	65.61	22.43	43.18	<1.0	<1.0	<1.0	<1.0	<48	180	All ND
MW-2	05/15/08	65.61	16.22	49.39	<1.0	<1.0	<1.0	<1.0	<47	300	All ND
MW-3	03/30/07	66.65	22.58	44.07	<1.0	<1.0	<1.0	<1.0	<50	<50	All ND
	10/09/07	66.65	23.58	43.07	<1.0	<1.0	<1.0	<1.0	<50	<50	NA
	02/15/08	66.65	23.5	43.15	<1.0	<1.0	<1.0	<1.0	<47	<47	All ND
MW-3	05/15/08	66.65	17.3	49.35	<1.0	<1.0	<1.0	<1.0	<47	<47	NA
MW-4	03/30/07	65.49	21.37	44.12	<1.0	<1.0	<1.0	<1.0	<50	<50	All ND
	10/09/07	65.49	22.38	43.11	<1.0	<1.0	<1.0	<1.0	<50	<50	NA
	02/15/08	65.49	22.31	43.18	<1.0	<1.0	<1.0	<1.0	<48	<48	All ND
MW-4	05/15/08	65.49	16.08	49.41	<1.0	<1.0	<1.0	<1.0	<47 <48	<47 <48	NA
MCL	--	--	--	--	1	300	150	1,750	NE	NE	--
Notes:	All analytes detected by 8260B unless otherwise noted										
TOC	Elevation at north side of the top of well casing referenced to MacArthur USGS Datum										
DTW	Depth to water										
GWE	Groundwater elevation										
TPH-DRO	Total petroleum hydrocarbons as diesel range organics by EPA Method 8015M										
SVOCs	Semi-volatile organic compounds by EPA Method 8270										
ft msl	feet above mean sea level										
ft	feet										
ug/L	micrograms per liter										
<###	Not detected in concentrations exceeding the indicated laboratory method detection limit										
All ND	No constituents analyzed for with this method were detected above the reporting limit										
NA	Not analyzed for										
MCL	Maximum Contaminant Level										
NE	Not Established										

**Table 5**  
**CURRENT AND HISTORICAL GROUNDWATER FLOW**  
**GRADIENTS AND DIRECTIONS**  
**Former Mistler & Vaughn Farm Property**  
**Dixon, California**

Date	Darcy's Law Gradient	Directions
5/4/2005	0.1 ft/ft	North
3/30/2007	0.0012 ft/ft	North-northeast
10/10/2007	0.001 ft/ft	North-northwest
2/15/2008	0.001-0.002 ft/ft	Northwest to north-northeast
5/15/2008	0.002 ft/ft	Northwest

APPENDIX D  
STRATIGRAPHIC AND INSTRUMENTATION LOGS



# STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property - 8405 Pedrick Rd.  
 PROJECT NUMBER: 039192  
 CLIENT: Magna Entertainment Corp.  
 LOCATION: Dixon, CA

HOLE DESIGNATION: GP-1  
 DATE COMPLETED: May 3, 2005  
 DRILLING METHOD: Geoprobe  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE				
			NUMBER	INTERVAL	REC (%)	N' VALUE	PID
2	ML/CL - CLAYEY SILT/SILTY CLAY - Green Staining, Damp, Petroleum Odor  Brown with Greenish Blue Stain (Mottled)	2	001	P/S			138
4		002	P/S				
6		003	P/S			16.2	
8		004	P/S				
10		005	P/S				
12		006	P/S			80	
14		007	P/S				
16		008	P/S			105	
18		009	P/S			105	
20		010	P/S			5.5	
22	SM - SILTY SAND - Green Staining to 19.8' bgs, Fine grained, Wet  Grounwater Sample Collected	18.00	013	P/S			
24		23.00					
26	24.00						
28	END OF BOREHOLE @ 24.0ft BGS						

OVERBURDEN LOG 39192 DIXON.GPJ CRA.CORP.GDT 3/4/11

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 WATER FOUND ▼ STATIC WATER LEVEL ▼ 5-3-05  
 CHEMICAL ANALYSIS ○



# STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property - 8405 Pedrick Rd.  
 PROJECT NUMBER: 039192  
 CLIENT: Magna Entertainment Corp.  
 LOCATION: Dixon, CA

HOLE DESIGNATION: GP-2  
 DATE COMPLETED: May 3, 2005  
 DRILLING METHOD: Geoprobe  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE					
			NUMBER	INTERVAL	REC (%)	'N' VALUE	PID	
	ML/CL - CLAYEY SILT/SILTY CLAY - Brown, Damp to Moist							
2			001	P/S				0.0
4			002	P/S				0.0
6			003	P/S				0.0
8			004	P/S				
10			005	P/S				0.0
12			006	P/S				0.0
14			007	P/S				0.0
16			008	P/S				0.0
18			009	P/S				0.0
20	ML - CLAYEY SILT Grading Down to SILT - Brown, Moist Gray Green Staining and Petroleum Odor at 18' bgs	15.00	010	P/S				16.3
22			011	P/S				
24			012	P/S				32
26	ML/SM - SILT Grading Down to SILTY SAND with Some Gravel - Gray Green Stain, Petroleum Odor	19.00	013	P/S				
28			014	P/S				
30	Groundwater Sample Collected	23.00						
32	END OF BOREHOLE @ 24.0ft BGS	24.00						

OVERBURDEN LOG 39192 DIXON.GPJ CRA CORP.GDT 3/4/11

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 WATER FOUND ▼ STATIC WATER LEVEL ▼ 5-3-05  
 CHEMICAL ANALYSIS ○



# STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property - 8405 Pedrick Rd.  
 PROJECT NUMBER: 039192  
 CLIENT: Magna Entertainment Corp.  
 LOCATION: Dixon, CA

HOLE DESIGNATION: GP-3  
 DATE COMPLETED: May 3, 2005  
 DRILLING METHOD: Geoprobe  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE					
			NUMBER	INTERVAL	REC (%)	'N' VALUE	PID	
	ML/CL - CLAYEY SILT/SILTY CLAY - Brown, Damp to Moist							
2			001	P/S				0.0
4			002	P/S				0.0
6			003	P/S				0.0
8			004	P/S				0.0
10			005	P/S				0.0
12			006	P/S				0.0
14			007	P/S				0.0
15		15.00	008	P/S				0.0
16	ML/SM - SILT Grading Down to SILTY FINE SAND - Light Brown to Gray Brown, wet		009	P/S				0.0
18		19.00	010	P/S				
20	Groundwater Sample Collected	20.00						
	END OF BOREHOLE @ 20.0ft BGS							

OVERBURDEN LOG 039192 DIXON.GPJ CRA\_CORP.GDT 3/4/11

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 WATER FOUND ▼ STATIC WATER LEVEL ▼ 5-3-05  
 CHEMICAL ANALYSIS ○



# STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property - 8405 Pedrick Rd.  
 PROJECT NUMBER: 039192  
 CLIENT: Magna Entertainment Corp.  
 LOCATION: Dixon, CA

HOLE DESIGNATION: GP-4  
 DATE COMPLETED: May 3, 2005  
 DRILLING METHOD: Geoprobe  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE					
			NUMBER	INTERVAL	REC (%)	'N' VALUE	PID	
	ML/CL - CLAYEY SILT/SILTY CLAY - Brown, Damp to Moist							
2			001	P/S				0.0
4			002	P/S				0.0
6			003	P/S				0.0
8			004	P/S				0.0
10			005	P/S				0.0
12			006	P/S				0.0
14			007	P/S				0.0
16	ML - CLAYEY SILT and SILT - Brown, Moist to Wet	15.00	008	P/S				0.0
18			009	P/S				0.0
20	ML/SM - SANDY SILT/SILTY SAND - Light Brown and Gray, Fine Grained, Wet	19.00	010	P/S				
22			020	P/S				
24	Groundwater Sample Collected	23.00						
24	END OF BOREHOLE @ 24.0ft BGS	24.00						

OVERBURDEN LOG 39192 DIXON.GPJ CRA CORP.GDT 3/4/11

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 WATER FOUND ▼ STATIC WATER LEVEL ▼ 5-3-05  
 CHEMICAL ANALYSIS ○



# STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property - 8405 Pedrick Rd.  
 PROJECT NUMBER: 039192  
 CLIENT: Magna Entertainment Corp.  
 LOCATION: Dixon, CA

HOLE DESIGNATION: GP-5  
 DATE COMPLETED: May 4, 2005  
 DRILLING METHOD: Geoprobe  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE					
			NUMBER	INTERVAL	REC (%)	N' VALUE	PID	
2	ML/CL - CLAYEY SILT/SILTY CLAY - Brown, Damp to Moist, No Odor or Visual Staining		001	P/S			0.0	
4			002	P/S			0.0	
6			003	P/S			0.0	
8			004	P/S			0.0	
10			005	P/S			0.0	
12			006	P/S			0.0	
14			007	P/S			0.0	
16			008	P/S			0.0	
16		ML - SILT - Brown, Moist, No Odor of Visual Staining	16.50	009	P/S			0.0
18				010	P/S			0.0
20	END OF BOREHOLE @ 20.0ft BGS	20.00	010	P/S			0.0	
22								
24								
26								
28								

OVERBURDEN LOG 39192 DIXON GPJ CRA CORP GDT 3/4/11

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS





# STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property - 8405 Pedrick Rd.

HOLE DESIGNATION: GP-6

PROJECT NUMBER: 039192

DATE COMPLETED: May 4, 2005

CLIENT: Magna Entertainment Corp.

DRILLING METHOD: Geoprobe

LOCATION: Dixon, CA

FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE				
			NUMBER	INTERVAL	REC (%)	N' VALUE	PID
2	CL - SILTY CLAY - Brown, Damp, No Odor or Visual Staining		001	P/S			0.0
		3.00	002	P/S			2.2
4	CL - SILTY CLAY - Gray Green Stain, Petroleum Odor, Moist	3.20					
	ML/CL - CLAYEY SILT/SILTY CLAY - Brown, Damp to Moist, No Odor or Visual Staining		004	P/S			0.0
6			005	P/S			0.0
8			006	P/S			0.0
10			007	P/S			0.0
12			008	P/S			0.0
14			009	P/S			0.0
16	END OF BOREHOLE @ 16.0ft BGS	16.00		P/S			0.0
18			003				0.0
20							
22							
24							
26							
28							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 39192 DIXON.GPJ CRA\_CORP.GDT 3/4/11



# STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property - 8405 Pedrick Rd.

HOLE DESIGNATION: GP-6

PROJECT NUMBER: 039192

DATE COMPLETED: May 4, 2005

CLIENT: Magna Entertainment Corp.

DRILLING METHOD: Geoprobe

LOCATION: Dixon, CA

FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE				
			NUMBER	INTERVAL	REC (%)	N' VALUE	PID
32  34  36  38  40  42  44  46  48  50  52  54  56  58				P/S			

OVERBURDEN LOG 39192 DIXON.GPJ CRA\_CORP.GDT 3/4/11

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



# STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property - 8405 Pedrick Rd.  
PROJECT NUMBER: 039192  
CLIENT: Magna Entertainment Corp.  
LOCATION: Dixon, CA

HOLE DESIGNATION: GP-7  
DATE COMPLETED: May 4, 2005  
DRILLING METHOD: Geoprobe  
FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE				
			NUMBER	INTERVAL	REC (%)	'N' VALUE	PID
2	ML/CL - CLAYEY SILT/SILTY SILT - Brown, Damp to Moist, No Odor or Vidual Staining		001	P/S			0.0
4			002	P/S			0.0
6			003	P/S			0.0
8			004	P/S			0.0
10			005	P/S			0.0
12			006	P/S			0.0
14			007	P/S			0.0
16			008	P/S			0.0
16		END OF BOREHOLE @ 16.0ft BGS	16.00	009	P/S		

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS

OVERBURDEN LOG 39192 DIXON.GPJ CRA CORP.GDT 3/4/11



# STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property - 8405 Pedrick Rd.  
 PROJECT NUMBER: 039192  
 CLIENT: Magna Entertainment Corp.  
 LOCATION: Dixon, CA

HOLE DESIGNATION: GP-8  
 DATE COMPLETED: May 4, 2005  
 DRILLING METHOD: Geoprobe  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE				
			NUMBER	INTERVAL	REC (%)	'N' VALUE	PID
2	ML/CL - CLAYEY SILT/SILTY CLAY - Brown, Damp to Moist, No Odor or Visual Staining		001	P/S			0.0
4		002	P/S			0.0	
6		003	P/S			0.0	
8		004	P/S			0.0	
10		005	P/S			0.0	
12		006	P/S			0.0	
14		007	P/S			0.0	
16		008	P/S			0.0	
16		009	P/S			0.0	
18	END OF BOREHOLE @ 16.0ft BGS	16.00					
20							
22							
24							
26							
28							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS  

OVERBURDEN LOG 39192 DIXON GPJ CRA CORP GDT 3/4/11



# STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property - 8405 Pedrick Rd.  
 PROJECT NUMBER: 039192  
 CLIENT: Magna Entertainment Corp.  
 LOCATION: Dixon, CA

HOLE DESIGNATION: GP-9  
 DATE COMPLETED: May 4, 2005  
 DRILLING METHOD: Geoprobe  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE				
			NUMBER	INTERVAL	REC (%)	'N VALUE	PID
2	ML/CL - CLAYEY SILT/SILTY CLAY - Brown, Damp to Moist, No Odor or Visual Staining		001	P/S			0.0
4		002	P/S			0.0	
6		003	P/S			0.0	
8		004	P/S			0.0	
10		005	P/S			0.0	
12		006	P/S			0.0	
14		007	P/S			0.0	
16		008	P/S			0.0	
16		009	P/S			0.0	
18	END OF BOREHOLE @ 16.0ft BGS	16.00					
20							
22							
24							
26							
28							

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS  

OVERBURDEN LOG 039192 DIXON GPJ CRA CORP GDT 3/4/11



# STRATIGRAPHIC LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property - 8405 Pedrick Rd.  
 PROJECT NUMBER: 039192  
 CLIENT: Magna Entertainment Corp.  
 LOCATION: Dixon, CA

HOLE DESIGNATION: GP-10  
 DATE COMPLETED: May 4, 2005  
 DRILLING METHOD: Geoprobe  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH ft BGS	SAMPLE				
			NUMBER	INTERVAL	REC (%)	'N' VALUE	PID
2	ML/CL - CLAYEY SILT/SILTY CLAY - Blue Staining, Moist, Petroleum Odor		001	P/S			80
4	Greenish Blue Staining, Petroleum Odor	4.00	002	P/S			117
6			003	P/S			117
8	Greenish Brown Staining, Petroleum Odor	8.00	004	P/S			
10			005	P/S			57
12			006	P/S			57
14	Greenish Blue Staining, Petroleum Odor	14.00	007	P/S			
16	END OF BOREHOLE @ 16.0ft BGS	16.00	008	P/S			47
18			009	P/S			47
20							
22							
24							
26							
28							

OVERBURDEN LOG 39192 DIXON.GPJ CRA\_CORP.GDT 3/4/11

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

CHEMICAL ANALYSIS



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Mistler Site  
 PROJECT NUMBER: 042609  
 CLIENT: Magna Services  
 LOCATION: Dixon, CA

HOLE DESIGNATION: MW-1  
 DATE COMPLETED: March 14, 2007  
 DRILLING METHOD: Hollow Stem Auger  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	Monitoring Well	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID
	TOP OF CASING GROUND SURFACE	65.08 63.69						
2	ML/MH - CLAYEY SILT - Stiff, Brown, Becoming Elastic with Depth, Damp		<p style="text-align: right;">Concrete</p> <p style="text-align: right;">Riser Cement Grout</p> <p style="text-align: right;">Well Seal (Hydrated Bentonite Pellets)</p> <p style="text-align: right;">Filter Pack</p> <p style="text-align: right;">Well Screen</p>	1				0.0
4				2				0.0
6				3				0.0
8				4				0.0
10				5				0.0
12				6				0.0
14	ML - SILT with Fine SAND 20%, Soft, Yellow Brown, Moist	49.69						
16								
18	SM/SP - SILTY SAND 80% - Grading Downward to SAND, Very Fine to Fine Grained, Light Brown, Wet	45.19						
20								
22								
24								
26	GP-GM - SANDY GRAVEL (70%) with SILT - Dense, Gray Brown, Wet	37.89						
28								
30	SP - SAND - Compact, Gray Brown, Medium Grained, Wet	36.69						
32								
34	END OF BOREHOLE @ 30.0ft BGS	33.69						
36								
38								

**WELL DETAILS**  
 Screened interval:  
 33.69 to 48.69ft  
 30.00 to 15.00ft BGS  
 Length: -15ft  
 Diameter: 2in  
 Slot Size: 010  
 Material: Sch. 40 PVC  
 Sand Pack:  
 33.69 to 50.69ft  
 30.00 to 13.00ft BGS  
 Material: 2/12 Silica Sand

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 WATER FOUND ▼ STATIC WATER LEVEL ▼ 3/14/07

OVERBURDEN LOG 042609 MAGNA.GPJ CRA\_CORP.GDT 1/24/08



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Mistler Site  
 PROJECT NUMBER: 042609  
 CLIENT: Magna Services  
 LOCATION: Dixon, CA

HOLE DESIGNATION: MW-2  
 DATE COMPLETED: March 13, 2007  
 DRILLING METHOD: Hollow Stem Auger  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	Monitoring Well	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID
	TOP OF CASING GROUND SURFACE	65.61						
		64.02						
-2	ML - CLAYEY SILT - Stiff, Brown (Fill), Trace Gravel, Damp to Moist		Concrete	1	X			0.1
-4			Cement Grout Riser		X			
-6	GP - PEA GRAVEL	59.02	Well Seal (Hydrated Bentonite Pellets)	2	X			0.1
-8					X			
-10				3	X			0.1
-12					X			
-14					X			
-16				4	X			0.5
-18			Filter Pack		X			
-20	ML - SANDY SILT - Soft, Yellow Brown, Wet	44.02	Well Screen		X			
-22				5	X			0.3
-24	SM - SILTY SAND - Compact, Fine Grained Sand 75%, Light Brown, Wet	41.52			X			
-26	GP - SANDY GRAVEL - Dense, Fine Gravel, Medium to Coarse Sand 20%, Gray Brown, Wet	40.02			X			
-28	SP - SAND - Compact, Gray Brown, Medium Grained, Wet	39.02	Sand Heave	6	X			0.1
-30	END OF BOREHOLE @ 30.0ft BGS	34.02			X			
-32					X			
-34					X			
-36					X			
-38					X			

**WELL DETAILS**  
 Screened interval:  
 37.02 to 52.02ft  
 27.00 to 12.00ft BGS  
 Length: -15ft  
 Diameter: 2in  
 Slot Size: 010  
 Material: Sch. 40 PVC  
 Sand Pack:  
 37.02 to 54.02ft  
 27.00 to 10.00ft BGS  
 Material: 2/12 Silica Sand

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 WATER FOUND  $\nabla$  STATIC WATER LEVEL  $\nabla$  3/13/07

OVERBURDEN LOG 042609 MAGNA GPJ CRA\_CORP GDT 1/24/08





# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Mistler Site  
 PROJECT NUMBER: 042609  
 CLIENT: Magna Services  
 LOCATION: Dixon, CA

HOLE DESIGNATION: MW-3  
 DATE COMPLETED: March 13, 2007  
 DRILLING METHOD: Hollow Stem Auger  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	Monitoring Well	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID
	TOP OF CASING GROUND SURFACE	66.65 64.76						
-2	ML - CLAYEY SILT - Stiff, Brown, Moderate Plasticity with Depth		Concrete	1	X			0.0
-4			Riser Cement Grout	2	X			0.0
-6			Well Seal (Hydrated Bentonite Pellets)	3	X			0.0
-8					4	X		
-10			Filter Pack					
-12			Well Screen	5	X			0.0
-14				6	X			0.1
-16	ML - SILT - Soft, Yellow Brown, Moist	49.76						
-18								
-20	ML - SANDY SILT - Soft, Yellow Brown, Moist to Wet	45.96						
-22								
-24	SM - SILTY SAND - Compact, Light Brown, Fine Grained, Wet	42.26						
-26	GP - SANDY GAVEL - Dense, Gray Brown, Fine, Wet	40.26						
-28	SP - SAND - Compact, Gray Brown, Medium Grained, Wet	39.26						
-30	END OF BOREHOLE @ 30.0ft BGS	34.76						
-32								
-34								
-36								
-38								

**WELL DETAILS**  
 Screened interval:  
 35.26 to 50.26ft  
 29.50 to 14.50ft BGS  
 Length: -15ft  
 Diameter: 2in  
 Slot Size: 010  
 Material: Sch. 40 PVC  
 Sand Pack:  
 34.76 to 52.76ft  
 30.00 to 12.00ft BGS  
 Material: 2/12 Silica Sand

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 WATER FOUND ▼ STATIC WATER LEVEL ▼ 3/13/07

OVERBURDEN LOG 042609 MAGNA.GPJ CRA\_CORP.GDT 1/24/08



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Mistler Site  
 PROJECT NUMBER: 042609  
 CLIENT: Magna Services  
 LOCATION: Dixon, CA

HOLE DESIGNATION: MW-4  
 DATE COMPLETED: March 14, 2007  
 DRILLING METHOD: Hollow Stem Auger  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	Monitoring Well	SAMPLE					
				NUMBER	INTERVAL	REC (%)	'N' VALUE	PID	
	TOP OF CASING GROUND SURFACE	65.49 64.02							
2	ML/MH - CLAYEY SILT - Stiff to Very Stiff, Brown, Becoming Elastic with Depth, Damp		Concrete						
4			Riser Cement Grout	1	X		18	0.0	
6			Well Seal (Hydrated Bentonite Pellets)	2	X		32	0.0	
8									
10									
12									
14	ML - SILT - Very Soft, Light Yellow Brown, Moist	50.02							
16				3	X		5	0.0	
18	SM - SILTY SAND 80% - Loose, Fine Grained, Light Brown, Moist to Wet	47.02							
20			Filter Pack						
22	SP-SM/SP - SAND with SILT Grading Downward to SAND - Compact, Fine Grained, Brown, Wet	43.52	Well Screen	4	X		6	0.0	
24									
26	GP-GM - SANDY GRAVEL 70% with SILT - Dense, Gray Brown, Wet, Alternating Sand Layers	38.32		5	X		40	0.0	
28									
30			Sand Heave	6	X		50	0.0	
32	END OF BOREHOLE @ 31.5ft BGS	32.52							
34			<b>WELL DETAILS</b> Screened interval: 35.52 to 50.52ft 28.50 to 13.50ft BGS Length: -15ft Diameter: 2in Slot Size: 010 Material: Sch. 40 PVC Sand Pack: 35.52 to 52.52ft 28.50 to 11.50ft BGS Material: 2/12 Silica Sand						
36									
38									

OVERBURDEN LOG 042609 MAGNA GPJ CRA CORP GDT 1/24/08

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 WATER FOUND ▼ STATIC WATER LEVEL ▼ 3/14/07



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

PROJECT NAME: Former Mistler Property  
 PROJECT NUMBER: 058414  
 CLIENT: Ocala Meadows Lands LLC  
 LOCATION: Dixon, CA

HOLE DESIGNATION: SBD-1  
 DATE COMPLETED: December 15, 2009  
 DRILLING METHOD: Direct Push  
 FIELD PERSONNEL: B. Siegfried

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	ELEV. ft	Grout Tremie	SAMPLE				
				NUMBER	INTERVAL	REC (%)	'N' VALUE	
	GROUND SURFACE	63.00						
2	FILL (Certified Clean Native Soil and Imported Pea Gravel Toward Base of Fill)  GP - PEA GRAVEL (Imported Fill)  ML - CLAYEY SILT (Fill) - Dark Yellowish Brown (10YR 3/4), Moist, No Petroleum Odor SM - SILTY SAND - Greenish Black (5GY 2.5/1), Fine Grained, Moist, Petroleum Odor ML - SANDY SILT with some CLAY - Dark Grayish Brown (10YR 4/2), Fine Sand, Moist, Slight Petroleum Odor SP/GP - SAND and GRAVEL - Dark Brown (10YR 3/3), Medium to Coarse Sand, Sandy Gravel (Small), and Gravel, Crude Layers, Moist to Wet, No Petroleum Odor  END OF BOREHOLE @ 35.0ft BGS		Cement Grout Tremie					
4								
6								
8								
10								
12								
14								
16		48.00						
18								
20		44.50 44.00 43.00				001		
22		41.30				002		
24								
26								
28					▼			
30				003				
32								
34				004				
36		28.00						

OVERBURDEN LOG: 058414 MAGNA DIXON GPJ CRA CORP GDT 3/4/11

**NOTES:** MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 WATER FOUND ▼ STATIC WATER LEVEL ▼ 12-15-09  
 CHEMICAL ANALYSIS ○

APPENDIX E  
SENSITIVE RECEPTOR SURVEY DOCUMENTS

# **SENSITIVE RECEPTOR SURVEY REPORT**

**FORMER MISTLER PROPERTY  
DIXON, CALIFORNIA**

**Prepared For:  
Magna Entertainment Corporation (MEC)**

**PREPARED BY:**

**CONESTOGA-ROVERS  
& ASSOCIATES**

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FAX: 209-983-6960

# SENSITIVE RECEPTOR SURVEY REPORT

FORMER MISTLER PROPERTY  
DIXON, CALIFORNIA

Prepared For:  
Magna Entertainment Corporation (MEC)



ERIK FRIEDRICH, R.E.A.II, R.E.P.  
PROJECT MANAGER



SEPTEMBER 2008  
042609 (3)

This report is printed on recycled paper



ROBERT T. SIEGFRIED, P.G., C.E.G.  
PROJECT GEOLOGIST



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## 1.0 INTRODUCTION

Conestoga-Rovers & Associates, Inc. (CRA) has prepared this Sensitive Receptor Survey (SRS) Report on behalf of Magna Entertainment Corporation (MEC) as part of the groundwater monitoring post soil remediation of the Site in the former diesel AST area at the former Mistler Property (Site) (Solano County File No. 29-80336) located in Dixon, California, near the intersection of Interstate 80 and Pedrick Road . The Site location is shown in Figure 1 and the Site plan is shown in Figure 2. The impact resulted from the release from a former 10,000-gallon above ground diesel storage tank (AST).

### 1.1 SITE HISTORY

Previous environmental assessments and investigative activities conducted at the Site are documented in the following reports:

- Phase I Environmental Site Assessment (ESA) report prepared by AMEC Earth and Environmental (2001);
- Limited Soil Investigation report prepared by CRA dated March 17, 2005;
- Additional Soil and Groundwater Investigation report prepared by CRA dated May 24, 2005;
- Site Remedial Action Report prepared by CRA dated June 2007; and
- Second Quarter 2007/2008 Groundwater Monitoring Report prepared by CRA dated November 2007.

#### 1.1.1 PHASE I ESA

A Phase I ESA was performed for the Site in 2001 by AMEC Earth and Environmental. The Phase I ESA identified three potential areas of concern (detailed below) related to possible soil contamination and recommended a limited Phase II soil investigation.

#### 1.1.2 SUMMARY OF LIMITED SOIL INVESTIGATION

MEC contracted with CRA to perform a limited soil investigation in the potential areas of concern as identified in the Phase I ESA. The three areas of concern were: 1) a former 10,000-gallon diesel fuel AST, 2) a group of six former ASTs, and 3) a former solid waste landfill on the Site. The results of this investigation (which included trenching and soil sampling) are detailed and discussed in CRA's letter report to MEC, dated March 17,

2005. CRA concluded on the basis of excavations and soil analysis that areas 2 and 3 either did not warrant further investigation (area 2) or that landfill debris (mostly concrete, wood and roof tiles) did not reveal properties that would prevent it from being left in place or disposed of as non-hazardous waste. For area 1 (the former AST area), elevated diesel concentrations were detected in two soil samples collected and analyzed. CRA recommended that the extent of the impact to the soil and groundwater at and around the former AST area be delineated horizontally and vertically and that the direction of groundwater flow be determined.

### **1.1.3 SUMMARY OF ADDITIONAL SOIL AND GROUNDWATER INVESTIGATION**

---

The additional soil and groundwater investigation activities were conducted on May 3 and 4, 2005. The results of soil and groundwater investigations are detailed in the letter report dated May 24, 2005.

The findings of the soil and groundwater investigation (which included borehole installation), indicated that total petroleum hydrocarbons as diesel (TPHD) concentrations ranging from 240 mg/kg to 20,000 mg/kg were detected in ten soil samples collected at or near the concrete pad that supported the former AST. These concentrations exceeded clean-up level determination of petroleum impacted soil in the California States Water Resource Control Board's guidance document *Leaking Underground Fuel Tank (LUFT) Field Manual: Guidelines for Site Assessment, Cleanup and Underground Storage Tank Closure*. They also exceeded the San Francisco Bay Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs). Both levels are established at 100 mg/kg for TPHd.

TPHD concentrations were detected in three groundwater samples at or near the concrete pad ranging from 150 µg/L to 310,000 µg/L. These concentrations exceeded the United States Environmental Protection Agency's suggested-no-adverse response level reported by the Central Valley RWQCB in its August 2003 *A Compilation of Water Quality Goals* and the San Francisco Bay RWQCB ESLs. Both these levels are established at 100 µg/L.

Benzene, toluene, ethylbenzene, and total xylene (BTEX) compounds were detected in the groundwater samples. All BTEX concentrations detected were well below established regulatory ESLs.

#### 1.1.4 SUMMARY OF SITE REMEDIAL ACTION ACTIVITIES

In November of 2006, CRA conducted oversight of the removal and disposal of approximately 926 cubic yards of diesel impacted soils and completed confirmation soil sampling from the excavation sidewalls and floor in conformance with the *Remedial Action Work Plan* prepared by CRA and submitted to the DRM in August 2005. In March 2007, following excavation and backfilling of the former AST location, CRA oversaw the installation of a four-well monitoring well network (Figure 3). Additionally, CRA conducted First Quarter 2007/2008 monitoring of the well network in March 2007. The results and findings of the remedial activities are detailed in CRA's June 2007 Site Remedial Action Report.

Based on the findings of this remedial action conducted November 28 and 29, 2006 (soil) through March 30, 2007 (groundwater), CRA concluded the following:

- Approximately 926 cubic yards of diesel impacted soil resulting from releases from the former AST have been removed and properly disposed at the Hay Road Landfill.
- All sidewall soil samples collected above the water table did not exhibit TPHd concentrations at or above the laboratory reporting limits.
- Groundwater at the former AST Site was determined to flow to the north-northeast at an average gradient of 0.0012 ft/ft.
- Groundwater flow did not follow the regional east-southeasterly topography as anticipated, and may be subject to subtle local topographic changes or seasonal variation due to irrigation activities.
- The lateral extent of groundwater impact (plume) apparently does not extend to the monitoring wells.

CRA recommended that quarterly groundwater monitoring be conducted for one year to confirm the lack of groundwater impact in the Site Remedial Action Report prepared by CRA and submitted to the Solano County Department of Resource Management (DRM) in June of 2007.

A correspondence received from the DRM on August 24, 2007 indicated that quarterly groundwater monitoring and sampling shall be conducted until receipt of no further action declaration for the Site from the DRM or the RWQCB. DRM also stated criteria that must be met in order for the Site to be presented to the RWQCB for closure consideration. One of the criteria is proof that any water supply wells and other receptors [within the vicinity of the Site] will not be threatened from residual impacted soil and/or groundwater.

To evaluate the potential for impacted groundwater to affect potential sensitive receptors located in the Site area, this Sensitive Receptor Survey was completed. The following sections of the report provide detailed discussion of the findings.

## 2.0 SCOPE OF WORK

CRA completed this SRS in accordance with guidance provided in *Appendix A- Reports Tri-Regional Board Staff Recommendations for Preliminary Investigations and Evaluation of Underground Tank Sites*, a publication of the RWQCB issued April 16, 2004. The document stipulates that for site investigations conducted at underground tank sites, the following element must be included:

*A proposal to complete a sensitive receptor survey to show water supply wells and surface water bodies within 2,000 feet of the site. With field observation and verification of any wells within 500 feet of the leaking underground storage tank site and attempting to obtain depth of annular seal for those wells.*

CRA contacted Environmental Data Resources, Inc. (EDR) to complete a GeoCheck® Report for all wells within a 1 mile radius of the Site, obtained all available well completion reports (WCRs) in the vicinity of the Site from the Department of Water Resources (DWR), and submitted a request to local water district and applicable city and county agencies regarding any wells within the vicinity of the Site. CRA also conducted a field visit to the Site and surrounding properties to look for physical evidence of wells. Additionally, a United States Geological Survey Quadrangle Map of Dixon, California was examined to determine what surface water bodies were located within 2,000 feet of the Site.

The following sections of this report summarize all information collected for this SRS and provide a detailed discussion of the findings.

### 3.0 SURFACE WATER BODIES

There are no natural surface water bodies located within 2,000 feet of the Site. There is an irrigation ditch just south of the Site but it is no longer active.

#### **4.0 WATER SUPPLY WELLS**

For the subject Site, various informational sources were reviewed to determine if water supply wells are located within 2,000 feet of the Site. The following sections discuss the review findings.

#### **4.1 ON-SITE WELLS**

Two wells were identified on-Site when AMEC completed a Phase I ESA for the former Mistler Farm property in April 2001. One well was a potable water supply well located in a well house which has since been destroyed. The other well was an irrigation well located near the southwest corner of the Site boundary. No evidence of these wells was observed when a field visit was conducted by CRA personnel to the Site on June 13, 2008.

There is a monitoring well near the AST (not installed under the supervision of CRA). This well was also on-Site when AMEC completed a Phase I ESA, but AMEC personnel could not locate this well. This well is 28 feet deep. Additionally, there are four monitoring wells which were installed under the supervision of CRA. These monitoring wells were installed in March of 2007. These wells have an annular seal that extends to 20 feet below ground surface (bgs). The screen interval is 20 feet bgs to 30 feet bgs. Please note that the purpose of these wells is specifically for monitoring groundwater originating from the former AST area. These four monitoring wells will be in service in the area for groundwater sample collection until such time that the former AST Site receives closure from the regulatory agency. Following that, they will be properly abandoned as will the other on-Site well.

#### 4.2 DEPARTMENT OF WATER RESOURCES WELL COMPLETION REPORTS

CRA obtained copies of well completion reports (WCRs) for the following townships, ranges and sections in the vicinity of Dixon, California:

Township	Range	Section	No. of Wells
07 North	01 East	1	15
07 North	01 East	12	1
07 North	02 East	6	1

These reports contained information on wells located within 2,000 feet of the Site. Based on a review of the WCRs, a total of 17 wells were determined to be within a 2,000-foot radius of the Site. Eleven of the wells are situated to the north (downgradient). The WCRs for wells in a 2,000-foot radius of the Site are included as Appendix A.

Many of the WCRs contain information on the well screen lengths and depths, depths of the annular seals, and proposed uses of wells at the time they were drilled. However, this information was not available for WCR Wells 48-728 , 48-731 and 75735.

WCR well 46684 (an irrigation well) has intermittent screens of various length occurring from 329 feet below ground surface (bgs) to 423 feet bgs. WCR well 48-729 has a screen interval of 60 ft in length, but no information was available as to the depth of the screen.

WCR well 1231 (an industrial well) has intermittent screens of various lengths occurring from 262 to 551 feet bgs. The annular seal for this well extends to 60 feet bgs. WCR well 48-730 (a domestic well) has a screen extending from 89 feet bgs to 97 feet bgs. This well has no annular seal. WCR well 48-774 (a domestic well) has a screen extending from 266 feet bgs to 274 feet bgs. This well has an annular seal, but no information was available as to its depth. WCR well 115430 (a domestic well) has a screen extending from 355 feet bgs to 380 feet bgs. The annular seal for this well extends to 50 feet bgs.

Eight of the wells north of the Site are monitoring wells that have been installed on the Fruit Stand Site/ Milk Farm Property. WCR well 547242 has a screen that extends from 15 feet bgs to 25 feet bgs, and WCR wells 547240, 547241, 547243, and 547244 have screens from 15 feet bgs to 35 feet bgs. All these wells have annular seals to a depth of



14 feet bgs. WCR wells 547245, 547246, and 547247 all have screens extending from 20 feet bgs to 40 feet bgs. The annular seals on these wells extend to 18 ft bgs.

The location reported for WCR well 48-731 is on the former Mistler Farm property. The well may have been the potable water supply well or the irrigation well reported by AMEC Earth and Environmental in the Phase I ESA completed in 2001. The WCR contained no information about the length and depth of the screened interval, nor any information as to whether this well had an annular seal. As stated in Section 4.1, no physical evidence that the potable water supply well and irrigation well still exist was observed during a field visit that took place on June 13, 2008.

#### **4.3 ENVIRONMENTAL DATA RESOURCES, INC. GEOCHECK® REPORT**

---

EDR was contacted to conduct a GeoCheck® database search for all wells, surface water bodies, flood plains, and wetlands within a 1-mile radius of the subject Site. This data was then obtained to determine which wells were located within a 2,000-foot radius of the Site. The EDR GeoCheck® report is included as Appendix B.

From the data provided by EDR, there are three wells within a 2,000-foot radius of the Site and no wells are within a 500-foot radius. The wells situated within a 2,000-foot radius are identified as GeoCheck® wells A2, B3, A5 and B6. Please note that GeoCheck® wells B3 and A5 appear to be the same well based on the well identification number (07N02EN002M).

GeoCheck® Well B3 appears to be WCR Well 1231. The date of completion reported for this well is consistent in both data sources (March 14, 1974).

#### **4.4 LOCAL AGENCY INFORMATION**

In an effort to confirm all of the data collected, the local governing oversight agencies were contacted. The following is a list of the agencies contacted and the information collected:

- County of Solano - no production wells in the vicinity of the Site;
- City of Dixon - there are production wells in the vicinity of the Site, these are shared with Solano Irrigation District; and

- Solano Irrigation District (SID) – SID has no wells within 500 feet of the Site and two wells within 2,000 feet of the Site.

SID's wells in the vicinity of the Site are identified as SID wells 13 and 23. Comparing the information from these wells provided by SID to the information contained in the EDR GeoCheck® Report, it was determined that SID well 23 is the same well as the GeoCheck® well W-1 and SID well 13 is the same well as GeoCheck® well W-51 (Appendix A). Both SID wells have been non-operable for several years and are not likely to be used in the future.

#### **4.5 FIELD VERIFICATION**

A Site visit was conducted to search for evidence of wells within the parcels within 2,000 feet of the Site. The location and boundaries of these parcels is shown on Figures 4 and 5. A map has been provided that shows the locations of all WCR Wells within a 2,000 foot radius (Figure 6).

No physical evidence of potable water supply wells or irrigation wells were observed on the former Mistler Farm property during the Site visit. CRA personnel looked for two specific features during this visit: 1) infrastructure associated with wells, and 2) pressure tanks indicating a well pump system. Five wells were physically observed to be within 2,000 feet of the Site, as were two pressure tanks. The location of these wells and pressure tanks is provided in Table 1. Photos from the field visit to the Site and immediate vicinity are contained as Appendix C.

The well located on Parcel 111-020-130 may be WCR well 75735. Three wells were observed on Parcel 111-050-110. These wells appear to be GeoCheck® wells A2, B3, and B6. One of these wells may also be WCR well 1231.

An irrigation well was observed on Parcel 111-080-050. The location of this well and its use corresponds to WCR well 46684.

Pumping system pressure tanks were observed on Parcels 111-020-130 and 111-040-020. The pressure tank on Parcel 111-020-130 was identified as a domestic water well based on its proximity to residences. The pressure tank observed on Parcel 111-040-020 is assumed to be used for irrigation water pressure based on its location (farmland).

## 5.0 DISCUSSION

Within a 2,000-foot radius of the Site, the following wells have been determined to be in use:

- 16 wells as determined by review of WCRs.
- Five identified on-Site. The location of WCR well 48-731 would be on-Site; however, no physical evidence of this well was observed during a June 13, 2008 field visit.
- Three wells as identified by EDR, one of which is known to be the well identified as WCR well 1231.
- Five wells as determined by physical observation, four of which appear to be WCR wells 1231, 7573, 46684, and 48-774; and three of which appear to be GeoCheck® wells A2, B3, and B6.

Assuming that some of the wells identified and placed during review of the WCRs were also the wells identified and placed by other methods, there are at least 21 wells installed within 2,000 feet of the Site. Of these wells, five are located within 500 feet of the Site. All of these wells are monitoring wells. No physical evidence of a potable water well or an irrigation well on-Site was observed during a field visit to the Site on June 13, 2008.

While several wells are situated within 2,000 feet of the Site, current City of Dixon plans are to connect all developments within the city limits to the municipal water system. Therefore, no future wells are likely to be installed within the zone of impact.

Monitoring results from the past four quarters have indicated that the extent of the on-Site hydrocarbon impact to the shallow groundwater is limited to the proximity of the former AST area in the Site. Additionally, the extent of impact is limited to the upper, semi-contained aquifer which starts at a depth of approximately 20 feet bgs. As described in Section 4.2, all of the identified wells for potable or irrigation use are screened in a deeper part of the aquifer. As the compound of concern is lighter than water, it is unlikely that the Site impacts will affect nearby wells.

In regards to Site impact, an unknown diesel-range hydrocarbon was detected at a concentration of 180 µg/L from the groundwater sample collected from MW-2 on February 15, 2008. As referenced in the laboratory analytical report contained in Third Quarter 2007/2008 Groundwater Monitoring Report prepared by CRA and submitted to the DRM, the unknown hydrocarbon range is from n-C12 to n-C36 and is quantified

based on a diesel reference from n-C10 to n-C24. No other compounds were detected above the laboratory reporting limit.

MW-2 is the closest well to the former AST area, and is completed near the center of the original fuel release. The unknown hydrocarbon, while not specifically identified as diesel, most likely represents a degraded/weathered form of diesel or its asphaltic component.

The flow of groundwater, as calculated from groundwater elevations collected from the four on-Site monitoring wells, has ranged from northwest to northeast; away from the surface irrigation ditch. The gradient is suspected to be variable and may be influenced by local subtleties in topography. The gradient of groundwater, as calculated from groundwater elevations collected from the four on-Site monitoring wells, since the irrigation ditch has been abandoned, has ranged from 0.001 ft/ft to 0.002 ft/ft. Any lingering amounts of hydrocarbon impact would dissipate due to natural attenuation or dilution before the plume reaches an off-Site well screened in this aquifer.

## 6.0 CONCLUSIONS

The overall conclusion is that there is no localized potential on-Site for impacts to affect off-Site receptors which is supported by the following conclusions:

- Impact is limited to shallow groundwater solely in the vicinity of the former diesel AST;
- No drinking water wells are located within 500 feet of the area of concern; and
- Several wells are located within 2,000 feet of the area of concern , but are screened in a deeper aquifer. Moreover, the City of Dixon has plans to connect these residences to the municipal water system.

7.0 CERTIFICATION

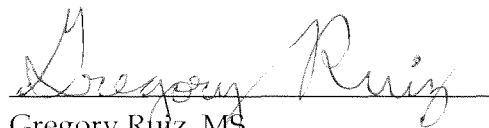
This report was prepared under the supervision of a State of California Professional Geologist and/or Registered Environmental Assessor II, by CRA in Stockton, California. All statements, conclusions and recommendations are based solely upon field studies performed by CRA and/or a local consultant subcontracted to CRA, and upon sample analyses conducted by a California state-certified laboratory. CRA is not responsible for errors in data and/or methodology provided by the subcontracted laboratory and consultant.

The service performed by CRA has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

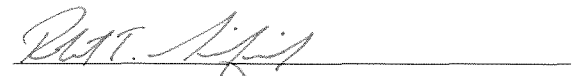
I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances.

**CONESTOGA-ROVERS & ASSOCIATES**


Prepared by:

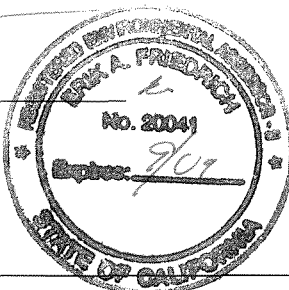
  
Gregory Ruiz, MS  
Staff Engineer

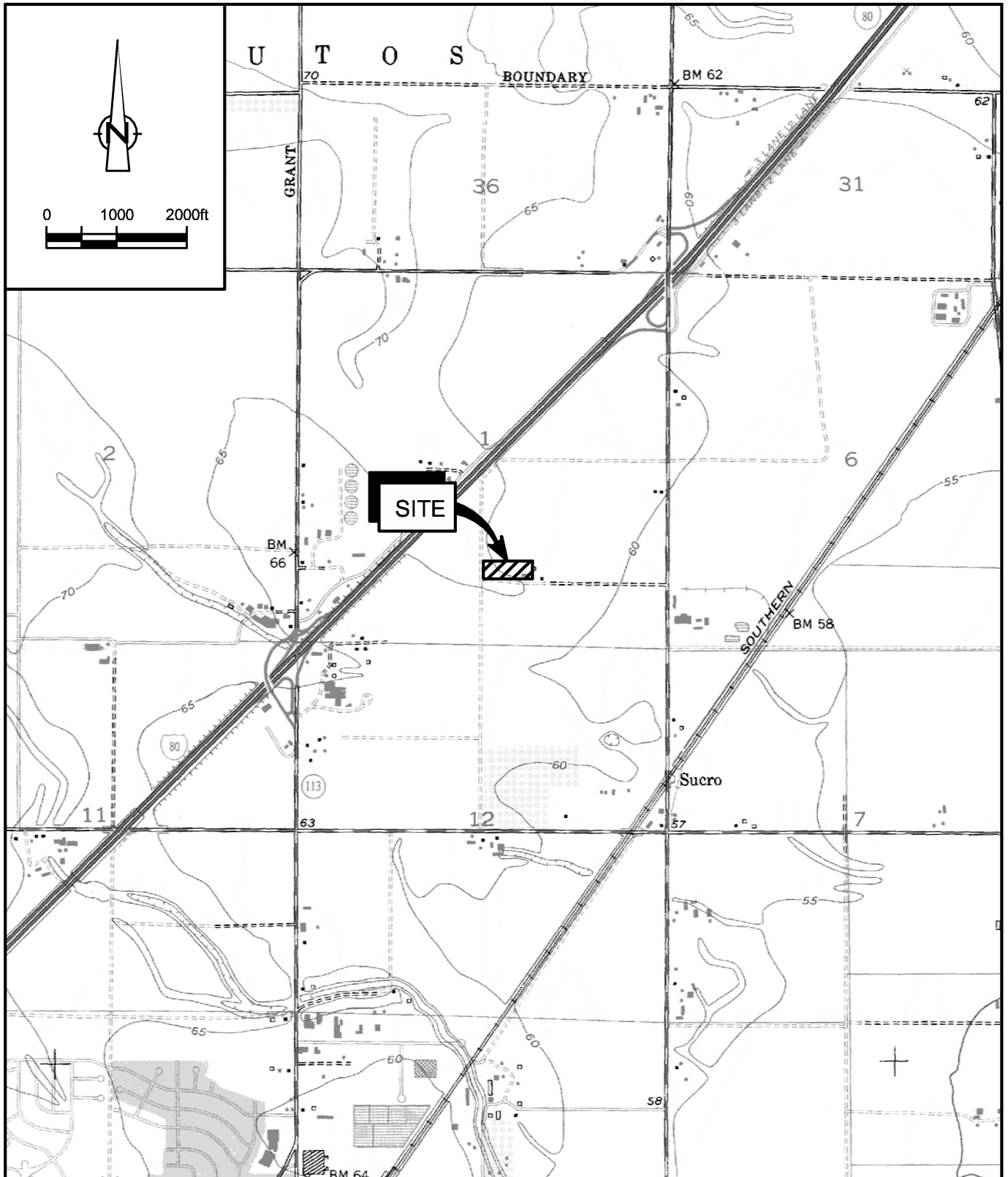
Reviewed by:

  
Robert Siegfried, RG, CEG  
Project Geologist

Reviewed by:

  
Erik Friedrich, REAII, REP  
Project Manager





SOURCE: USGS QUADRANGLE MAP;  
DIXON, CALIFORNIA

figure 1  
SITE LOCATION  
MISTLER SITE  
*Dixon, California*



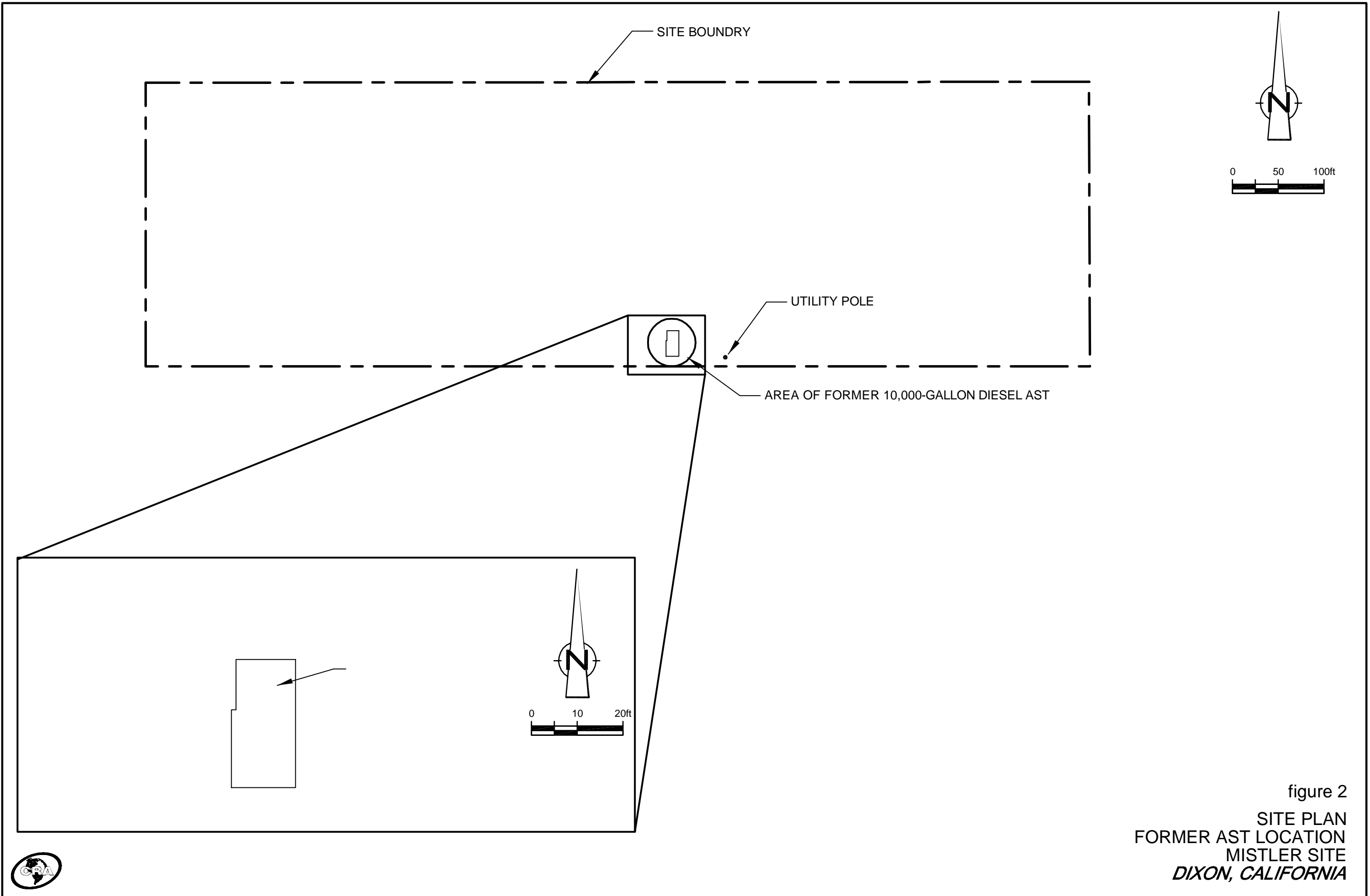
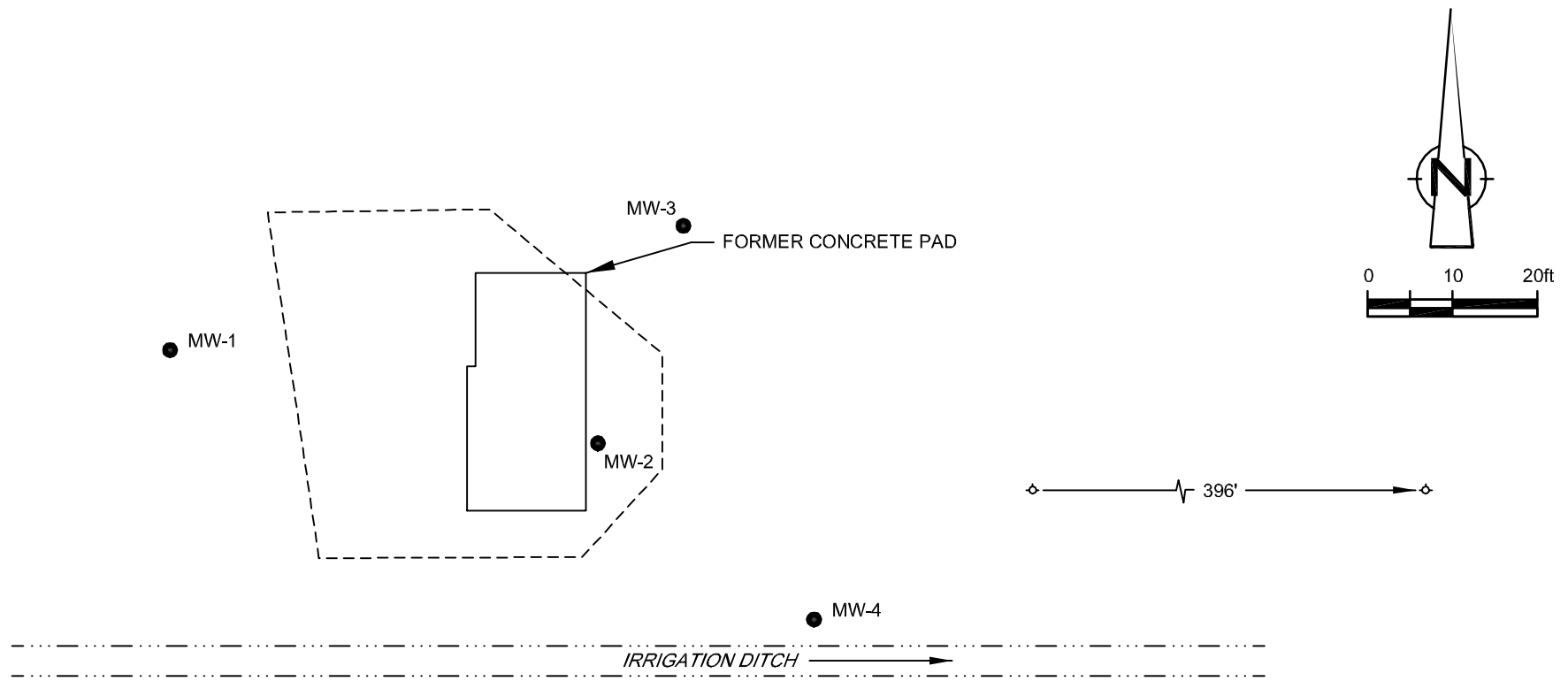


figure 2  
 SITE PLAN  
 FORMER AST LOCATION  
 MISTLER SITE  
 DIXON, CALIFORNIA







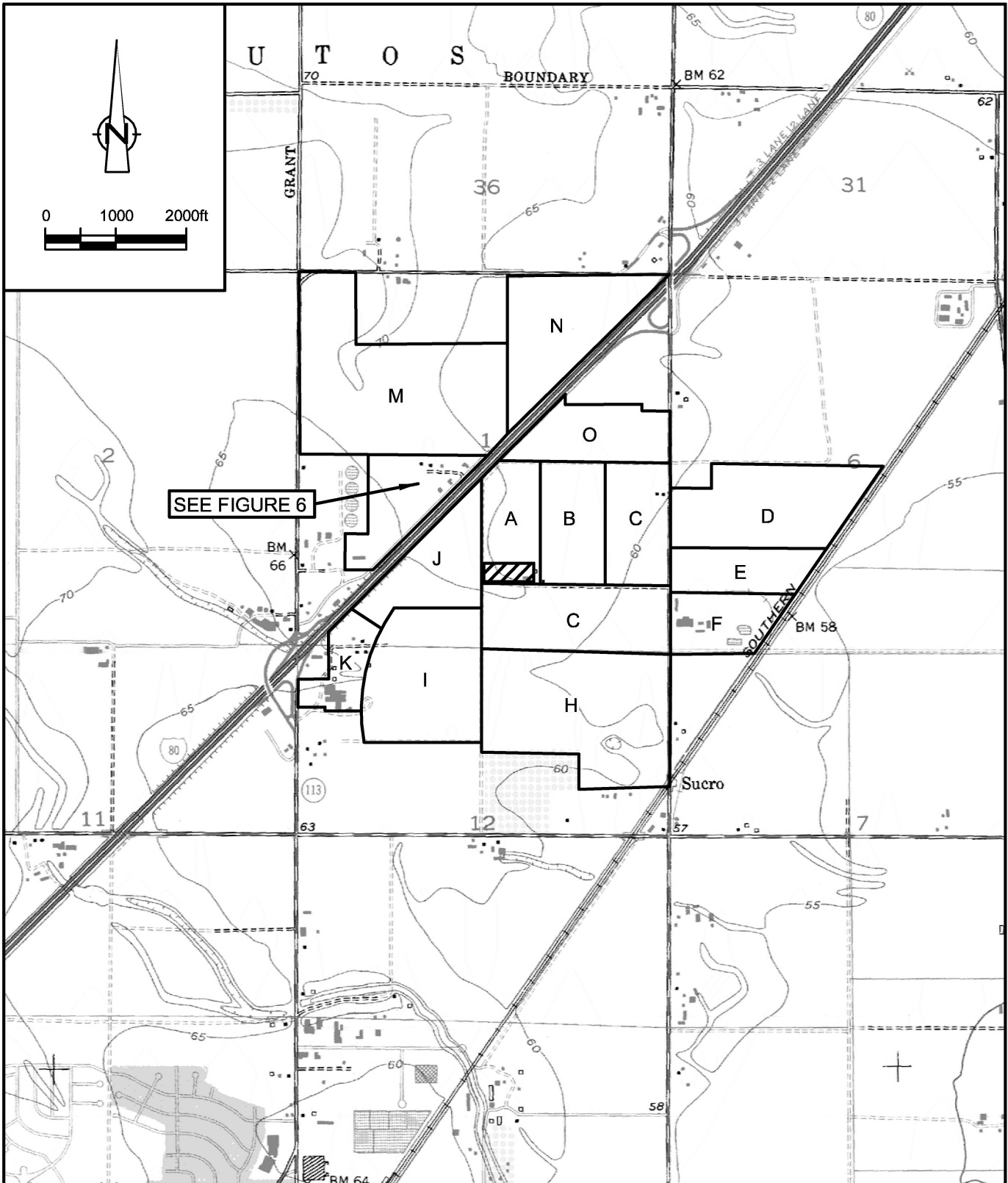
LEGEND

- EXCAVATION LIMIT
- MW-1 ● MONITORING WELL
- ⊕ POWER POLE

figure 3

MONITORING WELL LOCATIONS  
MISTLER SITE  
*Dixon, California*

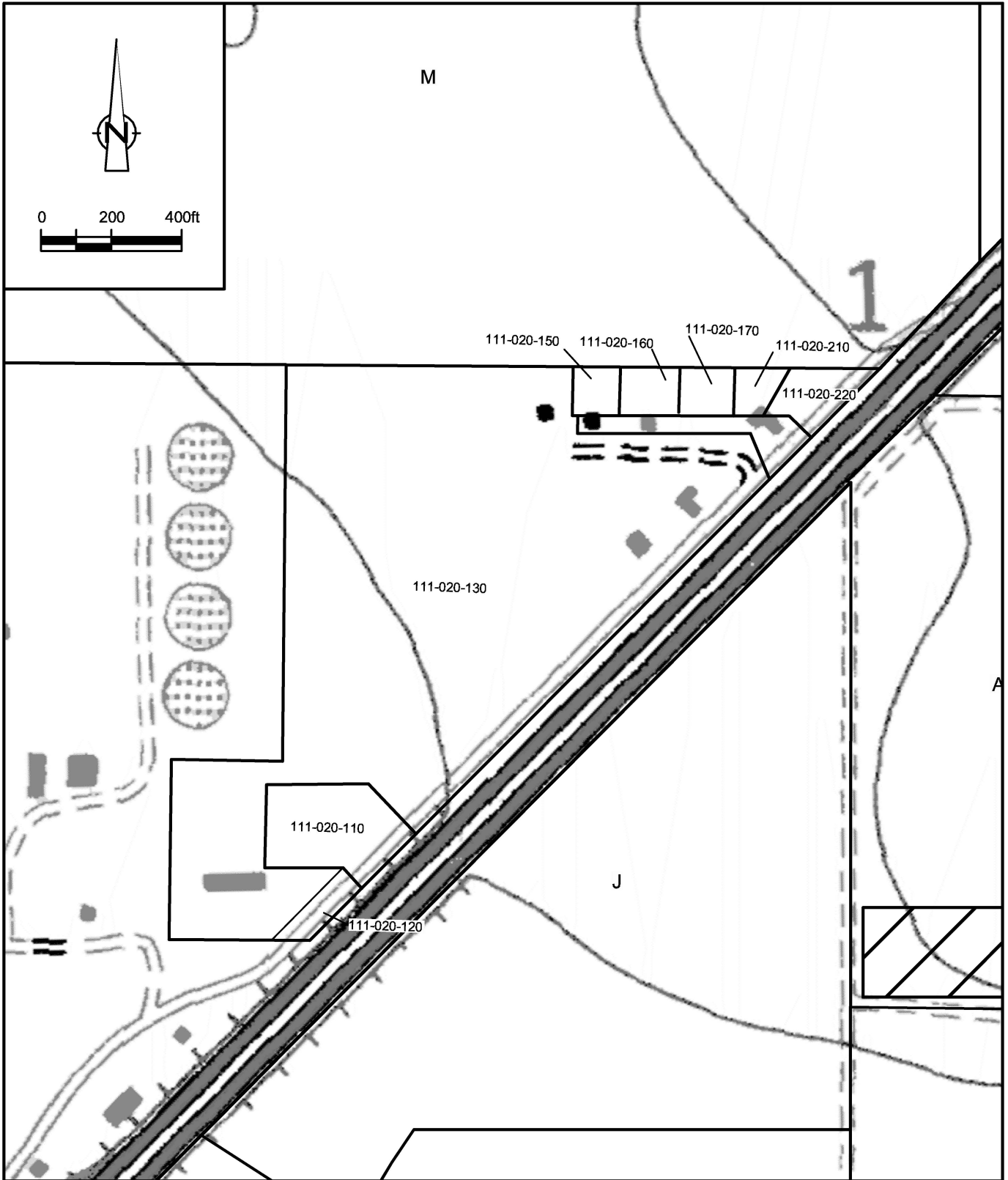




SOURCE: USGS QUADRANGLE MAP;  
DIXON, CALIFORNIA

figure 4  
**PARCEL BOUNDARIES WITHIN 2,000 FEET OF SITE**  
**MISTLER SITE**  
*Dixon, California*



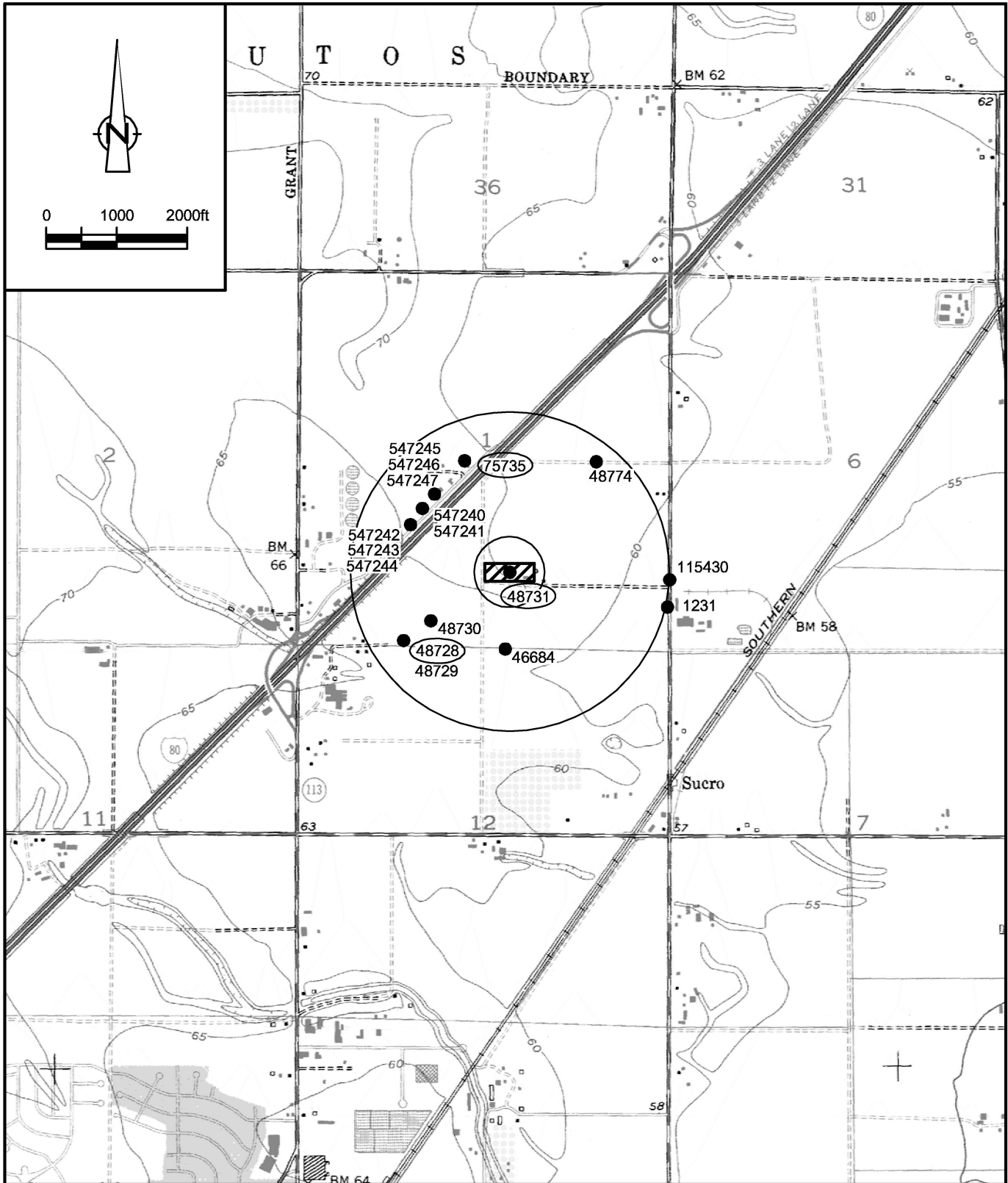


SOURCE: USGS QUADRANGLE MAP;  
DIXON, CALIFORNIA

figure 5

PARCEL BOUNDARIES ALONG  
MILK FARM ROAD AND HESS LANE  
MISTLER SITE  
*Dixon, California*







SOURCE: USGS QUADRANGLE MAP;  
DIXON, CALIFORNIA

figure 6

**WELLS WITH WCRs WITHIN 500 FEET  
AND 2,000 FEET OF SITE  
MISTLER SITE  
Dixon, California**

LEGEND

-  FORMER MISTLER SITE PROPERTY
-  NO WELL COMPLETION REPORTS



**TABLE 1**  
**Parcel Uses and No. of Observed Wells**  
**Mistler Site**  
**Dixon, California**

Property APN	Figure 5 ID	Photo No.	Use	Observed Wells	Well Type
111-040-010	A	10	Farmland/ crops (corn)	5	5 monitoring
111-040-020	B	9	Farmland/ crops	1	Irrigation
111-040-030	C	8	Farmland/ crops		
111-040-040	D	12	Farmland/ crops	0	None observed
111-020-130	Figure 6	1,3,4	Vacant lot	1	Domestic
111-020-110	Figure 6	X	Vacant lot		
111-020-120	Figure 6	X	Vacant lot		
111-020-140	Figure 6	X	Not placed		
111-020-150	Figure 6	3,4	Residence		
111-020-160	Figure 6	X	Residence		
111-020-170	Figure 6	X	Residence		
111-020-210	Figure 6	X	Vacant lot		
111-020-220	Figure 6	X	Vacant lot		
111-010-050	M	3, 5	Farmland/ crops		
111-010-020	N	2, 6	Farmland/ crops	0	None observed
111-010-080	O	7	Grain crop	0	None observed
111-050-160	D	X	Farmland /crops	1, not within 2,000 feet	Irrigation
111-050-150	E	19	Farmland/ crops	0	None observed

**TABLE 1**  
**Parcel Uses and No. of Observed Wells**  
**Mistler Site**  
**Dixon, California**

<b>Property APN</b>	<b>Figure D.1 ID</b>	<b>Photo No.</b>	<b>Use</b>	<b>Observed Wells</b>	<b>Well Type</b>
111-050-110	F	16, 17, 18	Campbell's Soup Canning Factory	3	2 domestic, 1 irrigation
111-190-010	I	13	Farmland/ crop	0	None observed
111-190-020	J	11	Farmland/ crops	0	None observed
111-190-030	K	15	Farmland/ crops	0	None observed
111-080-050	H	14	Farmland/ crops	1	1 irrigation

X = Picture of this parcel unavailable in this report.

**APPENDIX A**

WELL COMPLETION REPORTS FOR WELLS  
WITHIN 500 FEET AND 2,000 FEET OF SITE

LOCATION CHECKED

Do Not Fill In

**CONFIDENTIAL LOG**  
Water Code Sec. 13752  
ORIGINAL  
File with DWR

STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
WATER WELL DRILLERS REPORT

No 123150

State Well No. 7N/2E-6N2

Other Well No. 7N/2E-6N2

(1) OWNER:  
Name Anderson's Farms Cannery  
Address P. O. Box 94  
Davis, Calif. 95616

(2) LOCATION OF WELL:  
County Solano Owner's number, if any 2  
Township, Range, and Section Sec 2, T 7 N, R 2 E  
Distance from cities, roads, railroads, etc. 150' E of Pedrick Rd.  
1 mi S of Int. 80, 3 mi NE of Dixon

(3) TYPE OF WORK (check):  
New Well  Deepening  Reconditioning  Destroying   
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):  
Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

(5) EQUIPMENT:  
Rotary   
Cable   
Other

(6) CASING INSTALLED:

STEEL:		OTHER:		If gravel packed		
From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	From ft.	To ft.
0	60	26	1/4	34	0	34
0	543	16	1/4	24	60	918
543	918	12	1/4			

Size of shoe or well ring: Point  
Size of gravel: pea & 3/4

Describe joint: All welded collar

(7) PERFORATIONS OR SCREEN:

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
262	267	100	Slot	Screen
316	326	"	"	"
366	374	32	4	1/4 x 1
450	454	"	"	"
547	551	28	4	"

(8) CONSTRUCTION: (other Perf's over)

Was a surface sanitary seal provided? Yes  No  To what depth 60 ft.  
Were any strata sealed against pollution? Yes  No  If yes, note depth of strata  
From 20 ft. to 42 ft.  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Method of sealing: Cement grout/Surface casing

(9) WATER LEVELS:  
Depth at which water was first found, if known 107 ft.  
Standing level before perforating, if known 44 ft.  
Standing level after perforating and developing 44 ft.

(10) WELL TESTS:  
Pump test made? Yes  No  If yes, by whom? Luhdorff Co  
Pump rate: 2500 gal./min. with 111 ft. drawdown after 72 hrs.  
Temperature of water \_\_\_\_\_ Was a chemical analysis made? Yes  No   
Was electric log made of well? Yes  No  If yes, attach copy

(11) WELL LOG:

Total depth	ft.	Depth of completed well	ft.
1003		918	
Formation: Describe by color, character, size of material, and structure			
Soil & clay	ft. to	0 - 20	ft.
Medium gravel		20 - 42	
Clay		42 - 107	
Medium gravel		107 - 119	
Clay		119 - 256	
Sandy brittle clay		256 - 261	
Medium gravel		262 - 267	
Clay		267 - 312	
Sandy clay		312 - 316	
Medium gravel		316 - 325	
Clay		325 - 338	
Sandy brittle clay		338 - 342	
Sandy clay		342 - 365	
Sand & fine gravel		365 - 368	
Clay		368 - 477	
Sandy clay		477 - 482	
Sandy brittle clay		482 - 489	
Sand & fine gravel		489 - 491	
Clay		491 - 764	
Sandy clay		764 - 768	
Fine gravel		768 - 778	
Clay		778 - 813	
Fine gravel		813 - 850	
Sandy clay		850 - 861	
Sandy brittle clay		861 - 868	
Sand & fine gravel		868 - 880	
Clay & gravel mixed		880 - 894	
Fine gravel		894 - 914	
Clay		914 - 952	
Hard formation		952 - 957	
Clay		957 - 1003	

Work started 10/27/73 Completed 3/14/74

WELL DRILLER'S STATEMENT:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.  
NAME Aulman & Aulman  
(Person, firm, or corporation) (Typed or printed)  
Address 1309 Westwood Way  
Woodland, Calif. 95695  
(SIGNED) *A. Aulman*  
(Well Driller)  
License No. 249799 Dated 8/14, 1974

SKETCH LOCATION OF WELL ON REVERSE SIDE



LOCATION NOT CHECKED

ORIGINAL  
File Original, Duplicate and Triplicate with the  
REGIONAL WATER POLLUTION  
CONTROL BOARD No. \_\_\_\_\_  
(insert appropriate number)

# WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In

N<sup>o</sup> 46684

State Well No. \_\_\_\_\_

Other Well No. 7-1118-12

891

### (1) OWNER:

Name O. H. Timm

Address Box 397

Dixon, California

### (2) LOCATION OF WELL:

County Solano Owner's number, if any 1035

R. F. D. or Street No. 1/8 mi W and 1/8 mi N of intersection  
104 and 106

### (3) TYPE OF WORK (check):

New well  Deepening  Reconditioning  Abandon

If abandonment, describe material and procedure in Item 11.

### (4) PROPOSED USE (check):

Domestic  Industrial  Municipal

Irrigation  Test Well  Other

### (5) EQUIPMENT:

Rotary

Cable

Dug Well

### (6) CASING INSTALLED:

SINGLE  DOUBLE

From 0 ft. to 143 ft. 14" Diam. .188 Gage of Wall

" 143 " 329 " 12 3/4 " .108 "

If gravel packed

Diameter of Bore 26 from 329 to 0 ft.

Type and size of shoe or well ring

Size of gravel: 3/4

Describe joint welded

### (7) PERFORATIONS:

Type of perforator used torch

Size of perforations 6 in., length, by 1/4 in.

From 123 ft. to 143 ft. 14" Perf. per row 1 Rows per ft.

" 244 " 255 " 12 3/4 " " " " " " "

" 309 " 329 " " " " " " " "

### (8) CONSTRUCTION:

Was a surface sanitary seal provided?  Yes  No To what depth \_\_\_\_\_ ft.

Were any strata sealed against pollution?  Yes  No If yes, note depth of strata

From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Method of Sealing \_\_\_\_\_

### (9) WATER LEVELS:

Depth at which water was first found \_\_\_\_\_ ft.

Standing level before perforating \_\_\_\_\_ ft.

Standing level after perforating \_\_\_\_\_ ft.

### (10) WELL TESTS:

Was a pump test made?  Yes  No If yes, by whom?

Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. draw down after \_\_\_\_\_ hrs.

Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No

Was electric log made of well?  Yes  No

### (11) WELL LOG:

Total depth 398 ft. Depth of completed well 329 ft.

Formation: Describe by color, character, size of material, and structure.

0 ft. to 6 ft. top soil

6 " 26 " sandy clay

26 " 48 " black sand and gravel

48 " 60 " clay

60 " 67 " black sand and rough gravel

67 " 107 " clay

107 " 112 " black sand & gravel

112 " 116 " clay

116 " 127 " black sand and rough gravel

127 " 158 " clay

158 " 203 " blue clay

203 " 241 " brown clay

241 " 246 " black tight sand

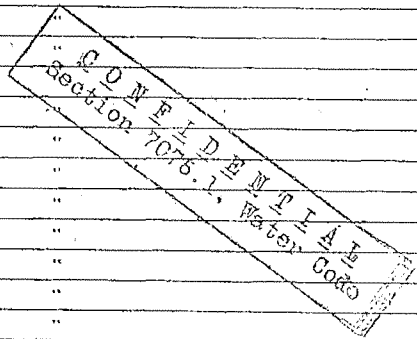
246 " 319 " clay

319 " 329 " sand & gravel, black & rough

329 " 398 " clay

Plotted and Coded

As Well 7N / 1E - 12880



FOR OFFICIAL USE ONLY

Work started 7-6-56 19 \_\_\_\_\_ Completed 7-26-56 19 \_\_\_\_\_

### WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Eaton Drilling Co., Inc.

(Person, firm, or corporation)

(Typed or printed)

Address P. O. Box 975

Woodland, California

[SIGNED] [Signature]

Well Driller

License No. 133783057

Dated 7-26-56, 19 \_\_\_\_\_

USGS-CAL-T1  
May 1948

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

No. 7/ 1E - 1nl

Other Nos. 62

WELL LOG

State Calif. County Solano Subarea 31

Owner A. J. Brown  
////////// (3" well at the house.)

Location 150 feet north, 4250 feet west of SE corner of section 1 (USGS)

Drilled by E. D. Buck Address \_\_\_\_\_

Date Apr. 1954 Casing diam. 6" Land-surf. alt. 64

Source of data Driller

(Enter type of well, perforations, yield, and drawdown at end of log)

Correlation	Material	Thick-ness (feet)	Depth (feet)
	soil and clay		28
	gravel		46
	clay		52
	gravel		60
	clay, trace of gravel		87
	Cased: 75'		

USGS-CAL-11  
May 1948

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

48-729

No. 7/ 1E - 1N2

Other Nos. \_\_\_\_\_

# WELL LOG

State California County Solano Subarea \_\_\_\_\_

Owner Arthur Brown

Location 150 feet north, 4250 feet west of SE corner of section 1 (USGS)

Drilled by Evans Address Dixon

Date 1-16-45 Casing diam. 12" Land-surf. alt. 63

Source of data Evans

(Enter type of well, perforations, yield, and drawdown at end of log)

Correlation	Material	Thick-ness (feet)	Depth (feet)
	Soil and clay		26
	Gravel		44
	Clay-		45
	Gravel		48
	Clay		53
	Gravel		63
	Clay		83
	Gravel		88
	Clay		108
	Gravel		116
	60 ft. perforation 56 ft. plain Across from Milk Farm on Hwy.		

Record by \_\_\_\_\_ Date \_\_\_\_\_ Sheet \_\_\_\_\_ of \_\_\_\_\_

STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS

DIVISION OF WATER RESOURCES

FINAL  
Final, Duplicate and Triplicate with the  
DIVISION OF WATER RESOURCES  
BOX 1079  
SACRAMENTO 5, CALIFORNIA

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In  
State Well No. 7M/IE-1P1  
Other Well No.  
Region 3

138

(1) Driller:  
Name Taos J. Fulton  
Address P. O. Box 55  
Elk Grove, Calif.  
License No. 101207 Classification C 57

(2) Proposed use or uses (check): (3) Equipment used  
Domestic  Municipal  (check):  
Irrigation  Industrial  Rotary   
Domestic and Irrigation  Test well  Cable   
Other  Other  Dug well   
Other

Owner:  
Name A. Wernken  
Address 2229 N. Street  
Sacramento, Calif.

(4) Type of work (check):  
New well  Reconditioning of well   
Deepening existing well

(5) Well log:  
Total depth of well \_\_\_\_\_ ft. Give details of formations penetrated, such as silt, peat, muck, sand, gravel, clay, shale, sandstone, hardpan, rock. Include size of gravel (diameter) and sand (fine, medium, coarse), color of material, structure (loose, packed, cemented, soft, hard, brittle).

Depth From Ground Surface

ft.	to	ft.
0	4	ft.
4	16	"
16	36	"
36	60	"
60	79	"
79	96	"
96	98	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"
"	"	"

Top Soil  
, Brown Clay  
Greyish brown clay  
sand and small gravel  
Tight brown clay  
sand and gravel  
Brown clay

FOR OFFICIAL USE ONLY

If additional space is required, continue on DWR Form No. 246—Supplement, and attach to respective report copies.

(6) Casing left in well:

LENGTH FT.	DIAMETER INCHES	SINGLE, DOUBLE, WELDED, OTHER	LBS. PER FOOT OR GAGE OF CASING	SEATING BELOW GROUND SURFACE, FT.
98	6"		12 Gauge	98

Type and size of shoe or well ring 3/8x4 Welded joints  Yes  No

# WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

138

Do Not Fill In

State Well No. \_\_\_\_\_  
Other Well No. \_\_\_\_\_  
Region \_\_\_\_\_

(7) Perforations:

Type of perforator used	Factory		ft.		Hole size	No. of holes	1/8" Factory Perforations
Perforated	89		97		6"		
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"

(8) Water levels:

Depth at which water first encountered 62 ft.  
Depth to water before perforating 62 ft.  
Depth to water after perforating 62 ft.  
Note any change in water level while drilling  
None

(9) Well pumping test:

Date of test None By whom \_\_\_\_\_  
Depth to water when test started \_\_\_\_\_ ft.  
G.P.M. at beginning of test \_\_\_\_\_  
Drawdown from standing level \_\_\_\_\_ ft.  
G.P.M. at completion of test \_\_\_\_\_  
Drawdown at completion of test \_\_\_\_\_ ft.  
Length of time tested \_\_\_\_\_  
Temperature of water \_\_\_\_\_  
Was gas present in water?  Yes  No

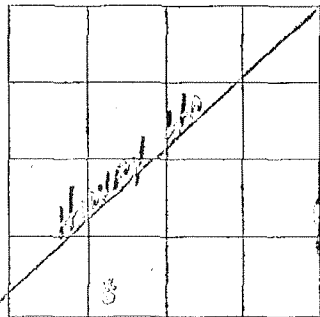
(10) General:

Was well gravel packed? No Size of rock \_\_\_\_\_ Thickness of pack \_\_\_\_\_  
Was a surface sanitary seal provided? No  
Were any strata sealed against pollution?  Yes  No If yes, attach detailed description.  
Strata sealed \_\_\_\_\_  
Was analysis made of water?  Yes  No If yes, attach copy.  
Was electric log made of well?  Yes  No If yes, attach copy.  
If well abandoned, was it plugged and sealed? \_\_\_\_\_  
Method of plugging and sealing \_\_\_\_\_

FOR OFFICIAL USE ONLY

(11) Location:

31050' LFC  
E-1900' North



Section No. 1  
Township 41N23W  
Range 1E  
Base & Meridian NAD 83  
Show location of well in Section, thus (X)  
Distances to section lines from well, N or S 300 ft. and E or W 1400 ft.  
Show location of nearest known well, thus (O)  
Distance to nearest known well 30 ft.

(12) Time of work:

Work started date 7-3-50 Completed date 7-10-50  
Date of this report 7-17-50

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] Thos. J. Fulton  
Well Driller  
By J. Mahoney  
License No. 101207 Classification C 57  
Dated 7-17-50, 19\_\_

USGS-CAL-T1  
May 1948

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
WATER RESOURCES BRANCH

No. 7/ 1E - 101

Other Nos. \_\_\_\_\_

WELL LOG

State California, County Solano Subarea \_\_\_\_\_

Owner J. F. Sweeney, on Dittor Place, East of A. J. Brown

Location 900 feet north, 2350 feet west of SE corner of section 1 (USGS)

Drilled by L. D. Buck, Address \_\_\_\_\_

Date \_\_\_\_\_ Casing diam. \_\_\_\_\_ Land-surf. alt. 65

Source of data Driller

(Enter type of well, perforations, yield, and drawdown at end of log)

Correlation	Material	Thick-ness (feet)	Depth (feet)
	Soil and clay.		30
	Gravel.		45
	Clay.		70
	Gravel.		77
	Clay.		90
	Gravel.		112
	112 ft. casing.		
	Plotted and Coded		
	As Well <u>7N 1E 101</u>		

DUPLICATE  
File Original, Duplicate and Triplicate with the  
DIVISION OF WATER RESOURCES  
P. O. BOX 1079  
SACRAMENTO 5, CALIFORNIA

03770 1-52  
**WATER WELL DRILLERS REPORT**

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA—DEPARTMENT OF PUBLIC WORKS

**7487** DIVISION OF WATER RESOURCES

48-774

Do Not Fill In

State No. \_\_\_\_\_  
Other Well No. \_\_\_\_\_  
Region \_\_\_\_\_

**(1) DRILLER:** (person, firm, or corporation)

Name Aulman and Aulman  
Address 1309 Westwood Way  
Woodland, Calif.

**OWNER:**

Name John Vanotelli  
Address Dixon  
Calif.

**(2) Proposed Use (Check)**

Domestic	<input checked="" type="checkbox"/>	Industrial	<input type="checkbox"/>	Rotary	<input checked="" type="checkbox"/>
Irrigation	<input type="checkbox"/>	Test Well	<input type="checkbox"/>	Cable	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Other	<input type="checkbox"/>	Dug Well	<input type="checkbox"/>
				Other	<input type="checkbox"/>

**(3) CASING:**

274 ft. of 3 in. 10 gal. casing 274 left in well  
Type and size of shoe or well ring Point, welded 1-X

**(4) PERFORATIONS:**

Type of perforator used Factory  
Perforated 260 ft. to 274 ft. 60 holes per 12 in.  
Diameter of perforations 3/16 in., length 1 in.

**(5) WATER LEVELS:**

Was electric log made of well?  Yes  No If yes, attach copy.  
Depth at which water was first found 32 ft.  
Standing level before perforating 78 ft.  
Standing level after perforating 70 ft.  
Note your observation of any changes in water level while drilling. None  
Was a surface sanitary seal provided? Yes

**(6) WELL PUMPING TEST:**

Capacity 110 gal./min. 110 ft. draw down  
Was well gravel packed? Yes  
Were any strata sealed against pollution? Yes 1-1  
Temperature \_\_\_\_\_ Was a chemical analysis made? No Attach copy  
If abandoned was well capped?

**(7) TYPE OF WORK (check):**

New well  Reconditioning of well   
Deepening existing well

**(8) LOCATION OF WELL:**

County Solaro  
R. F. D. or Street No. 2 miles North/East of Dixon

**(9) WELL LOG:**

Total depth of well 274 ft.  
Formation: Mention size of water gravel—  
0 ft. to 32 ft. Soil and clay  
32 " 38 " Fine gravel  
38 " 32 " Clay  
32 " 34 " Fine gravel  
34 " 261 " Clay  
261 " 271 " Fine gravel  
271 " 274 " Clay

FOR OFFICIAL USE ONLY

Work started 14 May 52 Completed 18 Nov. 52  
Date of Report 7 Nov. 52

**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] Aulman and Aulman  
Well-Driller

By [Signature]

License No. 109870 Classification G-57

Dated June 30, 1952, 19\_\_\_\_

LOCATION NOT CHECKED

ORIGINAL

# WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

Do Not Fill In  
No. 75735

File Original, Duplicate and Triplicate with the  
REGIONAL WATER POLLUTION

STATE OF CALIFORNIA

CONTROL BOARD No. \_\_\_\_\_  
(if appropriate number)

State Well No. \_\_\_\_\_  
Other Well No. 71114 121

1415

### (1) OWNER:

Name Giant Orange Enterprises  
Address 1221 Marion Way  
Sacramento, Calif.

### (2) LOCATION OF WELL:

County Solano Owner's number, if any \_\_\_\_\_  
R. F. D. or Street No. General location - 1/2 mile east  
of Milk Farm. 5 mile east of junct.  
Hy. 40 & Curry Rd. Well on north side  
Hy. 40.

### (3) TYPE OF WORK (check):

New well  Deepening  Reconditioning  Abandon   
If abandonment, describe material and procedure in Item 11.

### (4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

### (5) EQUIPMENT:

Rotary   
Cable   
Dug Well

### (6) CASING INSTALLED:

SINGLE <input type="checkbox"/> DOUBLE <input type="checkbox"/>				if gravel packed		
From	ft. to	ft.	Diam.	Gage or Wall	Diameter of Hole	from ft. to ft.
0	116	8	12			
Type and size of shoe or well ring <u>1/2 x 4 x 8</u>				Size of gravel:		
Describe joint <u>butt weld</u>						

### (7) PERFORATIONS:

Type of perforator used <u>factory</u>						
Size	of perforations	ft.	in.	length, by	ft.	in.
From	ft. to	ft.	Perf. per row	Rows per ft.		
0	116	8	1/8	12x	5	

### (8) CONSTRUCTION:

Was a surface sanitary seal provided?  Yes  No To what depth \_\_\_\_\_ ft.  
Were any strata sealed against pollution?  Yes  No If yes, note depth of strata \_\_\_\_\_  
From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Method of Sealing \_\_\_\_\_

### (9) WATER LEVELS:

Depth at which water was first found 65 ft.  
Standing level before perforating \_\_\_\_\_ ft.  
Standing level after perforating 76 ft.

### (10) WELL TESTS:

Was a pump test made?  Yes  No If yes, by whom? \_\_\_\_\_  
Yield: \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. draw down after \_\_\_\_\_ hrs.  
Temperature of water \_\_\_\_\_ Was a chemical analysis made?  Yes  No  
Was electric log made of well?  Yes  No

### (11) WELL LOG:

Total depth	ft.	Depth of completed well	ft.
116		116	
Formations: Describe by color, character, size of material, and structure.			
0	ft. to	5	ft.
			top soil
5		32	red clay
32		41	red clay & gravel 1/2"
41		49	yellow clay
49		71	yellow clay & grit
71		75	yellow clay
75		102	wellow clay & grit
102		110	gravel 1/2"
110		116	red clay

FOR OFFICIAL USE ONLY

Work started 1/12 19 63 Completed 1/17 19 63

### WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Beymer Well Service  
(Person, firm, or corporation) (Typed or printed)  
Address 1022 Pease

Yuba City, Calif.

(SIGNED) E.A. Beymer Well Driller  
License No. 143967 Dated 8/19/63, 19



07NO2E06N1 LOCATION CHECKED

CONFIDENTIAL LOG  
Water Code Sec. 13752

Do Not Fill In

No 115430

State Well No. 07N/2E-6N1  
County Well No.

ORIGINAL  
File with DWR

STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
WATER WELL DRILLERS REPORT

(1) OWNER: ANDCO FARMS  
Name T. H. RICHARDS CANNING CO.  
Address P. O. BOX 190  
Davis, California 95616

(2) LOCATION OF WELL:  
County Solano Owner's number, if any 74-3  
Township, Range, and Section R2E, T7N, Sec. 6  
Distance from cities, roads, railroads, etc. 3/4 mi. south of Int. 80  
& Pedrick Rd. E side of the road

(3) TYPE OF WORK (check):  
New Well  Deepening  Reconditioning  Destroying   
If destruction, describe material and procedure in Item 11.

(4) PROPOSED USE (check):  
Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

(5) EQUIPMENT:  
Rotary  Cable  Other

(6) CASING INSTALLED:				If gravel packed			
STEEL:		OTHER:		Diameter of Bore	From ft.	To ft.	
SINGLE <input checked="" type="checkbox"/>	DOUBLE <input type="checkbox"/>						
From ft.	To ft.	Diam.	Gage or Wall				
0	355	8-5/8" OD		17-1/2"			
80'	385	"	"				
380							

Size of shoe or well ring: Size of gravel: Mix. 31  
Describe joint: Butt Welded

(7) PERFORATIONS OR SCREEN:  
Type of perforation or name of screen: Johnson irrigator

From ft.	To ft.	Perf. per row	Rows per ft.	Size in. x in.
355'	380'	8" ID	x	#50 slot

(8) CONSTRUCTION:  
Was a surface sanitary seal provided? Yes  No  To what depth 50'+ ft.  
Were any strata sealed against pollution? Yes  No  If yes, note depth of strata  
From ft. to ft.  
From ft. to ft.  
Method of sealing: Cement grout

(9) WATER LEVELS:  
Depth at which water was first found, if known ft.  
Standing level before perforating, if known ft.  
Standing level after perforating and developing: 60' ft. 5"

(10) WELL TESTS:  
Is pump test made? Yes  No  If yes, by whom? EELCO, INC.  
Yield: 300 gal./min. with 20.9 ft. drawdown after 2.10 hrs.  
Temperature of water: Was a chemical analysis made? Yes  No   
Was electric log made of well? Yes  No  If yes, attach copy

(11) WELL LOG:

Total depth	425'	ft.	Depth of completed well	385'	ft.
Formation: Describe by color, character, size of material, and structure					
0	-	16	ft. to	Top soil	ft.
16	-	30		Yellow clay	
30	-	35		Coarse sand	
35	-	56		Loose gravel & big rocks	
56	-	62		Clay (hard) and rocks	
62	-	71		Tight gravel	
71	-	102		Sandy brown clay (tight)	
102	-	135		Sand and loose gravel	
135	-	156		Soft yellow clay	
156	-	185		Soft blue clay	
185	-	202		Yellow clay	
202	-	207		Hard yellow clay	
207	-	220		Yellow clay	
220	-	296		Dark yellow clay	
296	-	356		Tight sticky clay	
356	-	368		Hard brown shale	
368	-	380 (w)		Birdseye gravel in brown shale	
380	-	386		Brown clay & shale	
386	-	403		Yellow clay (soft)	
403	-	411		Brittle brown clay	
411	-	413		Clay and gravel	
413	-	425		Yellow clay	

Work started 12/1/19 74, Completed 12/7/19 74  
WELL DRILLER'S STATEMENT:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.  
NAME E. E. LUHDORFF CO., INC.  
(Person, firm, or corporation) (Typed or printed)  
Address P. O. BOX 1326  
WOODLAND, CALIFORNIA 95695  
[SIGNED] *E. E. Luhdorff*  
(Well Driller)  
License No. 276625 Dated 3/18/1975

SKETCH LOCATION OF WELL ON REVERSE SIDE

CONFIDENTIAL LOG  
Water Code Sec. 13752  
97133-750 8-72 30M TRIP (OT) OSP

ORIGINAL  
File with DWR

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN

017N1011E1011

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

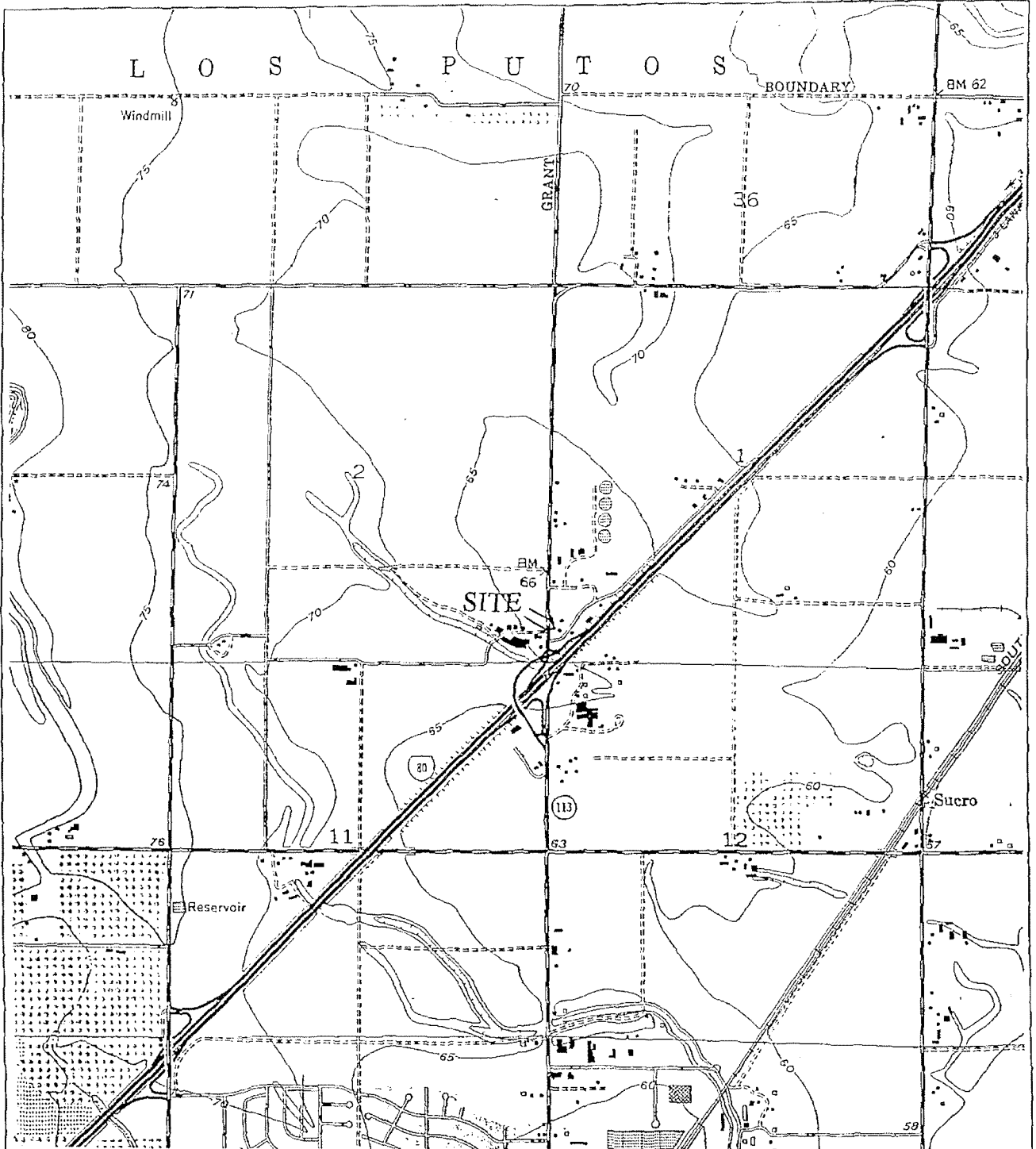
Page 1 of 1  
 Owner's Well No. TMW3 No. 547240  
 Date Work Began 3/23/94, Ended 3/23/94  
 Local Permit Agency Solano County Environmental Health  
 Permit No. M-94-18 Permit Date 3/18/94

GEOLOGIC LOG			WELL OWNER	
ORIENTATION (∠) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE _____ (SPECIFY)			Name <u>Milk Farm Associates</u>	
DEPTH TO FIRST WATER <u>21</u> (Ft.) BELOW SURFACE			Mailing Address <u>6591 Hawarden Drive</u>	
DESCRIPTION			City <u>Riverside</u> STATE <u>CA</u> ZIP <u>92506</u>	
Describe material, grain size, color, etc.			WELL LOCATION	
Address <u>6615 Milk Farm Road</u>			City <u>Dixon</u>	
County <u>Solano</u>			APN Book _____ Page _____ Parcel _____	
APN Book _____ Page _____ Parcel _____			Township <u>7N</u> Range <u>1E</u> Section <u>1</u>	
Latitude _____ Longitude _____			Latitude _____ Longitude _____	
DEPT. MIN. SEC. NORTH			DEPT. MIN. SEC. WEST	
LOCATION SKETCH			ACTIVITY (∠)	
NORTH			<input checked="" type="checkbox"/> NEW WELL	
WEST			MODIFICATION/REPAIR	
SOUTH			— Deepen	
EAST			— Other (Specify)	
Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.			DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")	
			PLANNED USE(S)	
			<input checked="" type="checkbox"/> MONITORING	
			WATER SUPPLY	
			— Domestic	
			— Public	
			— Irrigation	
			— Industrial	
			— "TEST WELL"	
			— CATHODIC PROTECTION	
			— OTHER (Specify)	
DRILLING METHOD <u>Hollow-Stem Auger</u> FLUID <u>N/A</u>			WATER LEVEL & YIELD OF COMPLETED WELL	
DEPTH OF STATIC WATER LEVEL <u>21</u> (Ft.) & DATE MEASURED <u>3/23/94</u>			ESTIMATED YIELD * <u>N/A</u> (GPM) & TEST TYPE	
TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)			* May not be representative of a well's long-term yield.	
TOTAL DEPTH OF BORING <u>35.5</u> (Feet)			TOTAL DEPTH OF COMPLETED WELL <u>35.5</u> (Feet)	

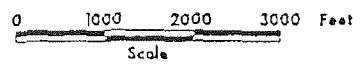
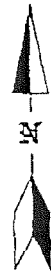
DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING(S)					ANNULAR MATERIAL				
		TYPE (∠)	MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	DEPTH FROM SURFACE	TYPE	FILL	FILTER PACK (TYPE/SIZE)	
Ft. to Ft.		BLANK SCREEN CONDUCTOR FAL PIPE					Ft. to Ft.	CE- MENT (∠)	BEN- TONITE (∠)		
0 to 15	8	X	PVC	2	Sch 40		0 to 12	X			
15 to 35	8	X	PVC	2	Sch 40	0.020	12 to 14		X		
							14 to 35			X	No. 3 Sand

ATTACHMENTS (∠)	CERTIFICATION STATEMENT
<input type="checkbox"/> Geologic Log <input type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input type="checkbox"/> Other _____ ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.	I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME <u>Lush Geosciences for Woodward Drilling</u> (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) ADDRESS <u>3560 Business Drive #120 Sacramento CA 95820</u> CITY STATE ZIP Signed <u>[Signature]</u> DATE SIGNED <u>4/20/94</u> 581639 WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C57 LICENSE NUMBER

5247240



Reference: USGS 7.5'-series topographic map of the Dixon Quadrangle (photorevised 1981)



**SITE LOCATION MAP**  
**TEXACO SITE**  
**MILK FARM PROPERTY**

DIXON, CALIFORNIA

LUSH GEOSCIENCES

FIGURE 1

ORIGINAL  
File with DWR

Page 1 of 1

Owner's Well No. TMW4

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
Refer to Instruction Pamphlet

No. **547241**

Date Work Began 3/23/94, Ended 3/23/94

Local Permit Agency Solano County Environmental Health

Permit No. M-94-18 Permit Date 3/18/94

DWR USE ONLY - DO NOT FILL IN

STATE WELL NO./STATION NO. 0171N011E1011

LATITUDE \_\_\_\_\_ LONGITUDE \_\_\_\_\_

APN/TRS/OTHER \_\_\_\_\_

**GEOLOGIC LOG**

**WELL OWNER**

ORIENTATION (∠)  VERTICAL \_\_\_\_\_ HORIZONTAL \_\_\_\_\_ ANGLE \_\_\_\_\_ (SPECIFY)

DEPTH TO FIRST WATER 21 (Ft.) BELOW SURFACE

DEPTH FROM SURFACE	
Ft.	to Ft.
0	3
3	7
7	19
19	35

**DESCRIPTION**

Describe material, grain size, color, etc.

0 - 3 Brown sandy clay  
3 - 7 Brown silty sand  
7 - 19 Yellow brown clayey silt  
19 - 35 Gray brown sand and gravel

Name Milk Farm Associates  
Mailing Address 6591 Hawarden Drive  
Riverside CA 92506  
CITY STATE ZIP

WELL LOCATION  
Address 6615 Milk Farm Road  
City Dixon  
County Solano  
APN Book \_\_\_\_\_ Page \_\_\_\_\_ Parcel \_\_\_\_\_  
Township 7N Range 1E Section 1  
Latitude \_\_\_\_\_ NORTH Longitude \_\_\_\_\_ WEST

LOCATION SKETCH NORTH SOUTH

WEST EAST

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

**ACTIVITY (∠)**

- NEW WELL
- MODIFICATION/REPAIR
  - \_\_\_\_\_ Deepen
  - \_\_\_\_\_ Other (Specify)
- DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")
- PLANNED USE(S) (∠)
  - MONITORING
- WATER SUPPLY
  - \_\_\_\_\_ Domestic
  - \_\_\_\_\_ Public
  - \_\_\_\_\_ Irrigation
  - \_\_\_\_\_ Industrial
  - \_\_\_\_\_ "TEST WELL"
  - \_\_\_\_\_ CATHODIC PROTECTION
  - \_\_\_\_\_ OTHER (Specify)

TOTAL DEPTH OF BORING 35 (Feet)  
TOTAL DEPTH OF COMPLETED WELL 35 (Feet)

DRILLING METHOD Hollow Stem Auger FLUID N/A  
WATER LEVEL & YIELD OF COMPLETED WELL  
DEPTH OF STATIC WATER LEVEL 21 (Ft.) & DATE MEASURED 3/23/94  
ESTIMATED YIELD\* N/A (GPM) & TEST TYPE \_\_\_\_\_  
TEST LENGTH N/A (hrs.) TOTAL DRAWDOWN \_\_\_\_\_ (Ft.)  
\* May not be representative of a well's long-term yield.

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING(S)						ANNULAR MATERIAL					
		TYPE (∠)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE			
		BLANK	SCREEN	CON-DUCTOR	FILL PIPE					CE-MENT (∠)	BEN-TONITE (∠)	FILL (∠)	FILTER PACK (TYPE/SIZE)
0 to 15	8	X				PVC	2	Sch 40					
15 to 35	8		X			PVC	2	Sch 40	0.020		X		No.3 sand

**ATTACHMENTS (∠)**

- \_\_\_\_\_ Geologic Log
- \_\_\_\_\_ Well Construction Diagram
- \_\_\_\_\_ Geophysical Log(s)
- \_\_\_\_\_ Soil/Water Chemical Analyses
- \_\_\_\_\_ Other \_\_\_\_\_

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

**CERTIFICATION STATEMENT**

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Lush Geosciences for Woodward Drilling

(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

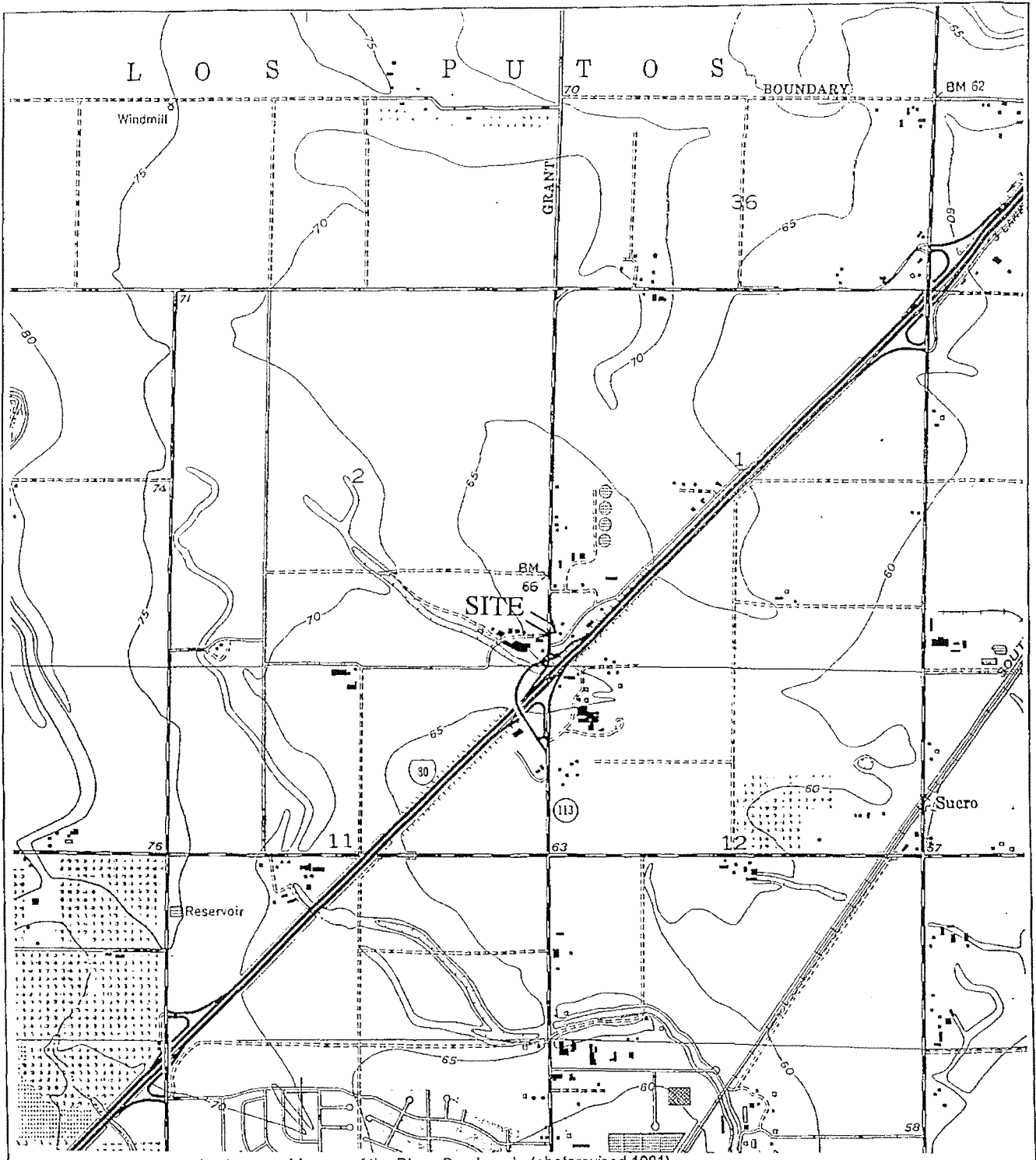
3560 Business Drive #120 Sacramento CA 95820  
ADDRESS CITY STATE ZIP

Signed [Signature]  
WELL DRILLER/AUTHORIZED REPRESENTATIVE

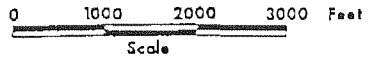
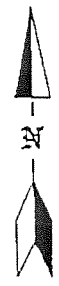
DATE 4/20/94 CSD/STATION NUMBER 581639

1879

547241



Reference: USGS 7.5'- series topographic map of the Dixon Quadrangle (photorevised 1981)



**SITE LOCATION MAP  
TEXACO SITE  
MILK FARM PROPERTY**

DIXON, CALIFORNIA

LUSH GEOSCIENCES

FIGURE 1

ORIGINAL  
File with DWR

Page 1 of 1

Owner's Well No. EMW3

Date Work Began 3/23/94, Ended 3/23/94 No. 547242

Local Permit Agency Solano County Environmental Health

Permit No. M-94-19 Permit Date 3/18/94

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
Refer to Instruction Pamphlet

DWR USE ONLY — DO NOT FILL IN

STATE WELL NO./STATION NO. 07N1011E1Q11

LATITUDE \_\_\_\_\_ LONGITUDE \_\_\_\_\_

APN/TRS/OTHER \_\_\_\_\_

**GEOLOGIC LOG**

**WELL OWNER**

DEPTH FROM SURFACE		DESCRIPTION
Ft.	to Ft.	Describe material, grain size, color, etc.
0	22	Brown clay and silt
22	35	Gray brown sand and gravel

Name Milk Farm Associates  
 Mailing Address 6591 Hawarden Drive  
Riverside CA 92506  
 CITY STATE ZIP

Address 6618 Milk Farm Road  
 City Dixon  
 County Solano  
 APN Book \_\_\_\_\_ Page \_\_\_\_\_ Parcel \_\_\_\_\_  
 Township 7N Range 1E Section 1  
 Latitude \_\_\_\_\_ NORTH Longitude \_\_\_\_\_ WEST  
 DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH

WEST

NORTH

SOUTH

Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY ( )

NEW WELL

MODIFICATION/REPAIR

— Deepen  
 — Other (Specify)

— DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USE(S) ( )

MONITORING

WATER SUPPLY

— Domestic  
 — Public  
 — Irrigation  
 — Industrial  
 — "TEST WELL"

— CATHODIC PROTECTION  
 — OTHER (Specify)

TOTAL DEPTH OF BORING 35 (Feet)  
 TOTAL DEPTH OF COMPLETED WELL 35 (Feet)

DRILLING METHOD Hollow-Stem Auger FLUID N/A  
 WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH OF STATIC WATER LEVEL 21 (Ft.) & DATE MEASURED 3/23/94  
 ESTIMATED YIELD\* \_\_\_\_\_ (GPM) & TEST TYPE \_\_\_\_\_  
 TEST LENGTH \_\_\_\_\_ (Hrs.) TOTAL DRAWDOWN \_\_\_\_\_ (Ft.)  
 \* May not be representative of a well's long-term yield.

DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASEING(S)			
Ft.	to Ft.		TYPE ( )	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS
0	15	8	<input checked="" type="checkbox"/>	PVC	2	Sch 40
15	25	8	<input checked="" type="checkbox"/>	PVC	2	Sch 40 0.020

DEPTH FROM SURFACE		ANNULAR MATERIAL			
Ft.	to Ft.	CE-MENT ( )	BEN-TONITE ( )	FILL ( )	FILTER PACK (TYPE/SIZE)
0	12	<input checked="" type="checkbox"/>			
12	14		<input checked="" type="checkbox"/>		
14	35			<input checked="" type="checkbox"/>	No.3 Sand

ATTACHMENTS ( )

— Geologic Log  
 — Well Construction Diagram  
 — Geophysical Log(s)  
 — Soil/Water Chemical Analyses  
 — Other \_\_\_\_\_

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

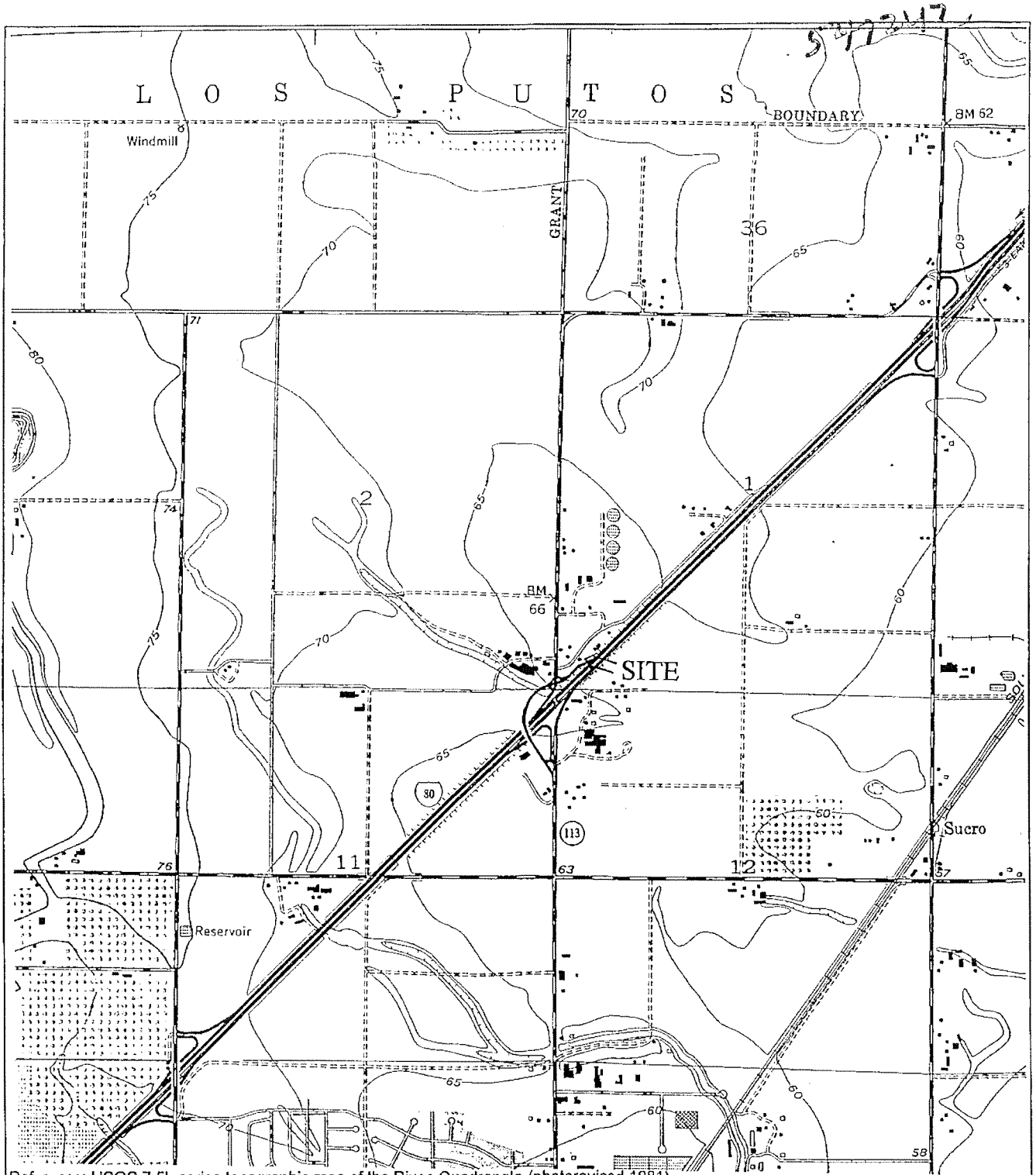
CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

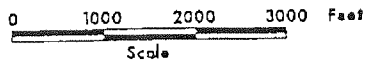
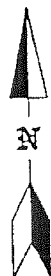
NAME Lush Geosciences for Woodward Drilling  
 (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

3560 Business Drive #120 Sacramento CA 95820  
 ADDRESS CITY STATE ZIP

Signed [Signature] 4/20/94 581639  
 WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED 6-57 LICENSE NUMBER



Reference: USGS 7.5'-series topographic map of the Dixon Quadrangle (photorevised 1981)



**SITE LOCATION MAP  
EXXON SITE  
MILK FARM PROPERTY**

DIXON, CALIFORNIA

LUSH GEOSCIENCES

ORIGINAL  
File with DWR

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN -  
0171N011E011  
STATE WELL NO./STATION NO.  
LATITUDE LONGITUDE  
APN/CRS/OTHER

Page 1 of 1  
Owner's Well No. EMW4 No. 547243  
Date Work Began 3/22/94, Ended 3/22/94  
Local Permit Agency Solano County Environmental Health  
Permit No. M-94-19 Permit Date 3/18/94

GEOLOGIC LOG			WELL OWNER	
ORIENTATION (∠) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE _____ (SPECIFY)			Name <u>Milk Farm Associates</u>	
DEPTH TO FIRST WATER <u>21</u> (Ft.) BELOW SURFACE			Mailing Address <u>6591 Hawarden Drive</u>	
DESCRIPTION			<u>Riverside</u> CA <u>92506</u>	
Describe material, grain size, color, etc.			CITY STATE ZIP	
DEPTH FROM SURFACE			WELL LOCATION	
Ft. to Ft.			Address <u>6618 Milk Farm Road</u>	
<u>0</u>	<u>22</u>	<u>Brown silt and clay</u>	City <u>Dixon</u>	
<u>22</u>	<u>35</u>	<u>Gray brown sand and gravel</u>	County <u>Solano</u>	
			APN Book _____ Page _____ Parcel _____	
			Township <u>7N</u> Range <u>1E</u> Section <u>1</u>	
			Latitude _____ NORTH Longitude _____ WEST	
			DEG. MIN. SEC. DEG. MIN. SEC.	
			LOCATION SKETCH	
			NORTH	
			ACTIVITY (∠)	
			<input checked="" type="checkbox"/> NEW WELL	
			MODIFICATION/REPAIR	
			<input type="checkbox"/> Deepen	
			<input type="checkbox"/> Other (Specify) _____	
			DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")	
			PLANNED USE(S)	
			<input checked="" type="checkbox"/> MONITORING	
			WATER SUPPLY	
			<input type="checkbox"/> Domestic	
			<input type="checkbox"/> Public	
			<input type="checkbox"/> Irrigation	
			<input type="checkbox"/> Industrial	
			<input type="checkbox"/> "TEST WELL"	
			<input type="checkbox"/> CATHODIC PROTECTION	
			<input type="checkbox"/> OTHER (Specify) _____	
			SOUTH	
			Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.	
			DRILLING METHOD <u>Hollow-Stem Auger</u> FLUID <u>N/A</u>	
			WATER LEVEL & YIELD OF COMPLETED WELL	
			DEPTH OF STATIC WATER LEVEL <u>21</u> (Ft.) & DATE MEASURED <u>3/22/94</u>	
			ESTIMATED YIELD* _____ (GPM) & TEST TYPE _____	
			TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)	
			* May not be representative of a well's long-term yield.	
TOTAL DEPTH OF BORING <u>35</u> (Feet)			TOTAL DEPTH OF COMPLETED WELL <u>35</u> (Feet)	

DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING(S)					DEPTH FROM SURFACE	ANNULAR MATERIAL					
		TYPE (∠)			MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)		GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE			
Ft. to Ft.		BLANK	SCREEN	CONDUCTOR			FILL PIPE			Ft. to Ft.	CE-MENT (∠)	BEN-TONITE (∠)	FILL (∠)
<u>0</u>	<u>15</u>	<u>8</u>	<input checked="" type="checkbox"/>			<u>PVC</u>	<u>2</u>	<u>Sch 40</u>					
<u>15</u>	<u>35</u>	<u>8</u>		<input checked="" type="checkbox"/>		<u>PVC</u>	<u>2</u>	<u>Sch 40</u>	<u>0.020</u>				
												<input checked="" type="checkbox"/>	<u>No.3 Sand</u>

- ATTACHMENTS (∠)
- Geologic Log
  - Well Construction Diagram
  - Geophysical Log(s)
  - Soil/Water Chemical Analyses
  - Other \_\_\_\_\_
- ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Lush Geosciences for Woodward Drilling  
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

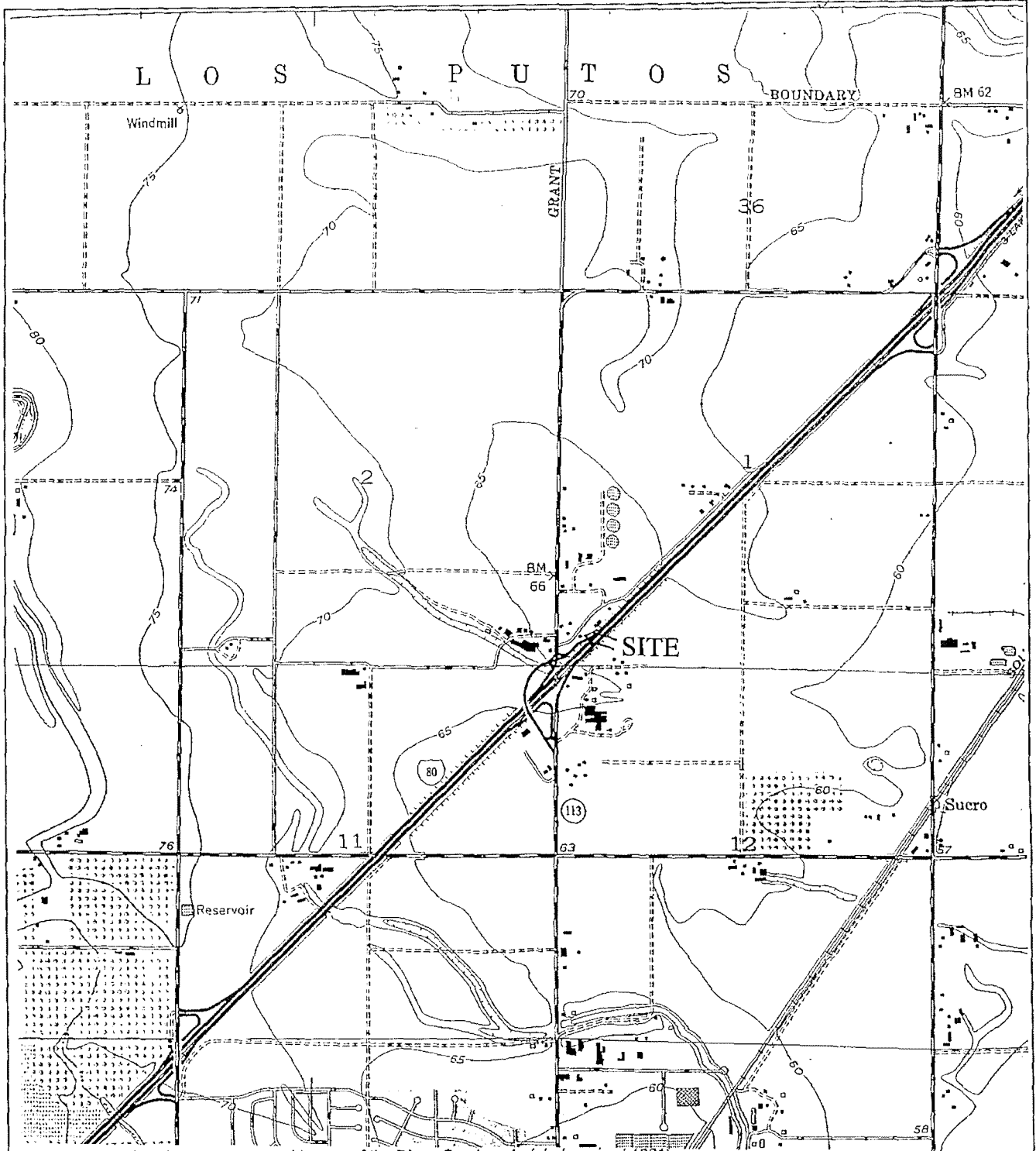
3560 Business Drive #120 Sacramento CA 95820  
ADDRESS CITY STATE ZIP

Signed [Signature] 4/20/94 581639  
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

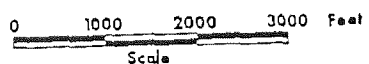
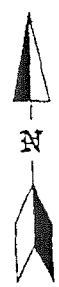
1579



547243



Reference: USGS 7.5'-series topographic map of the Dixon Quadrangle (photorevised 1981)



**SITE LOCATION MAP  
EXXON SITE  
MILK FARM PROPERTY**

DIXON, CALIFORNIA

LUSH GEOSCIENCES

ORIGINAL  
File with DWR

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
*Refer to Instruction Pamphlet*

Page 1 of 1

Owner's Well No. EMW5 No. 547244  
Date Work Began 3/23/94, Ended 3/23/94  
Local Permit Agency Solano County Environmental Health  
Permit No. M-94-19 Permit Date 3/18/94

DWR USE ONLY - DO NOT FILL IN

STATE WELL NO./STATION NO.  
017N1011E011

LATITUDE \_\_\_\_\_ LONGITUDE \_\_\_\_\_

APN/TRS/OTHER \_\_\_\_\_

DEPTH FROM SURFACE		DESCRIPTION <i>Describe material, grain size, color, etc.</i>
Ft.	to Ft.	
0	23	Yellow brown silt and clay
23	35	Brown and gray brown sand and gravel

**WELL OWNER**

Name Milk Farm Associates  
Mailing Address 6591 Hawarden Drive  
Riverside CA 92506  
CITY STATE ZIP

**WELL LOCATION**

Address 6618 Milk Farm Road  
City Dixon  
County Solano  
APN Book \_\_\_\_\_ Page \_\_\_\_\_ Parcel \_\_\_\_\_  
Township 7N Range 1E Section 1  
Latitude \_\_\_\_\_ North Longitude \_\_\_\_\_ West

DEG. MIN. SEC. NORTH Longitude WEST

DEG. MIN. SEC. SOUTH

**LOCATION SKETCH**

WEST EAST

**ACTIVITY (✓)**

NEW WELL

MODIFICATION/REPAIR

Deepen

Other (Specify) \_\_\_\_\_

**DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")**

\_\_\_\_\_

**PLANNED USE(S) (✓)**

MONITORING

**WATER SUPPLY**

Domestic

Public

Irrigation

Industrial

"TEST WELL"

CATHODIC PROTECTION

OTHER (Specify) \_\_\_\_\_

*Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.*

DRILLING METHOD Hollow-Stem Auger FLUID N/A

**WATER LEVEL & YIELD OF COMPLETED WELL**

DEPTH OF STATIC WATER LEVEL 21 (Ft.) & DATE MEASURED 3/23/94

ESTIMATED YIELD\* \_\_\_\_\_ (GPM) & TEST TYPE \_\_\_\_\_

TEST LENGTH \_\_\_\_\_ (Hrs) TOTAL DRAWDOWN \_\_\_\_\_ (Ft.)

\* May not be representative of a well's long-term yield.

TOTAL DEPTH OF BORING 35 (Feet)  
TOTAL DEPTH OF COMPLETED WELL 35 (Feet)

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING(S)						ANNULAR MATERIAL					
		TYPE (✓)				MATERIAL/ GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE			
Blank	Screen	CON-DUCTOR	FLL PVE	CE-MENT (✓)	BEN-TONITE (✓)					FILL (✓)	FILTER PACK (TYPE/SIZE)		
0	15	8	x			PVC	2	Sch 40					
15	35	8	x			PVC	2	Sch 40	0.020				

- ATTACHMENTS (✓)**
- Geologic Log
  - Well Construction Diagram
  - Geophysical Logs(s)
  - Soil/Water Chemical Analyses
  - Other \_\_\_\_\_
- ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

**CERTIFICATION STATEMENT**

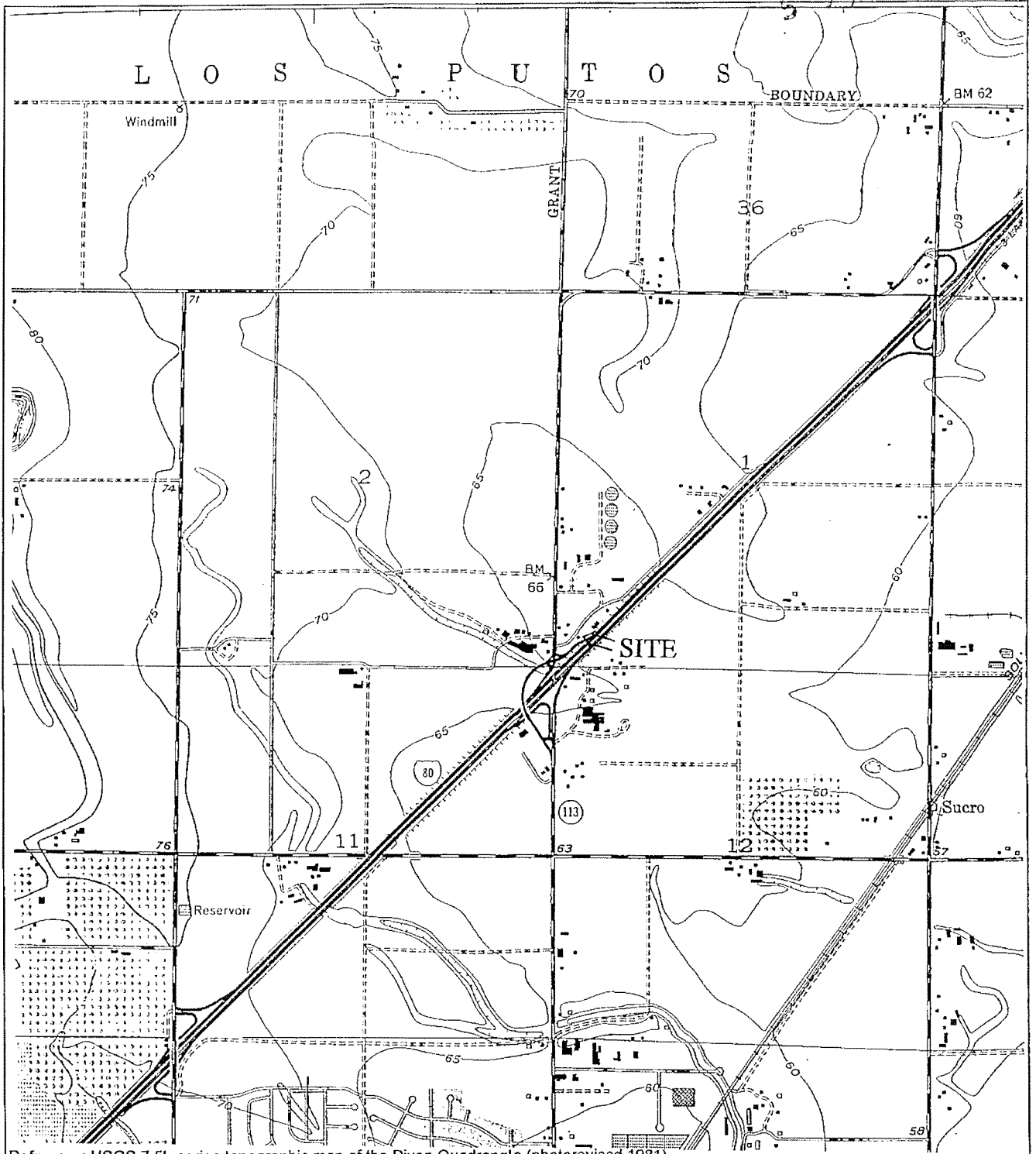
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Lush Geosciences for Woodward Drilling  
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

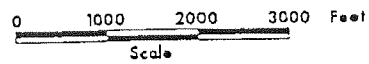
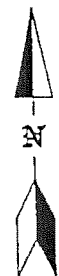
3560 Business Drive #120 Sacramento CA 95820  
ADDRESS CITY STATE ZIP

Signed [Signature] 4/20/94 581639  
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C/S LICENSE NUMBER

547244



Reference: USGS 7.5'-series topographic map of the Dixon Quadrangle (photorevised 1981)



**SITE LOCATION MAP  
EXXON SITE  
MILK FARM PROPERTY**

DIXON, CALIFORNIA

LUSH GEOSCIENCES

FIGURE 1

ORIGINAL  
File with DWR

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
*Refer to Instruction Pamphlet*

DWR USE ONLY - DO NOT FILL IN

01711011 E 0111

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Page 1 of 1

Owner's Well No. FMW3 No. 547245

Date Work Began 3/22/94, Ended 3/22/94

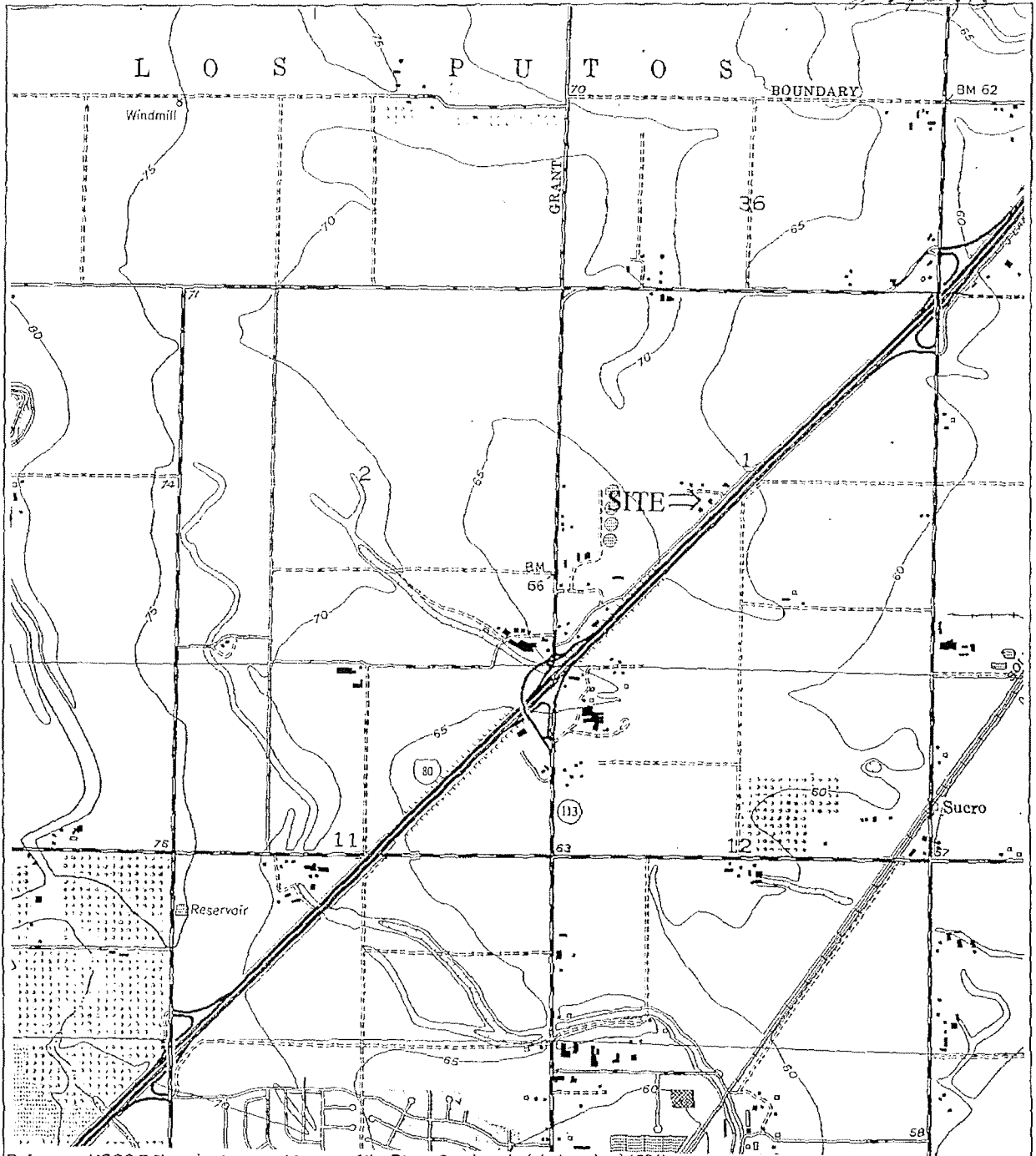
Local Permit Agency Solano County Environmental Health  
Permit No. M-94-17 Permit Date 3/18/94

GEOLOGIC LOG				WELL OWNER			
ORIENTATION (✓) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE <input type="checkbox"/> (SPECIFY)				Name <u>Milk Farm Associates</u>			
DEPTH TO FIRST WATER <u>24</u> (Ft.) BELOW SURFACE				Mailing Address <u>6591 Hawarden Drive</u>			
DESCRIPTION				City <u>Riverside</u> CA <u>92506</u>			
<i>Describe material, grain size, color, etc.</i>				STATE ZIP			
DEPTH FROM SURFACE	Ft.	to	Ft.	WELL LOCATION			
0	2			Address <u>6646 Milk Farm Road</u>			
2	8			City <u>Dixon</u>			
8	22			County <u>Solano</u>			
22	40			APN Book <input type="checkbox"/> Page <input type="checkbox"/> Parcel <input type="checkbox"/>			
				Township <u>7N</u> Range <u>1E</u> Section <u>1</u>			
				Latitude <input type="checkbox"/> NORTH Longitude <input type="checkbox"/> WEST			
				DEG. MIN. SEC. DEG. MIN. SEC.			
				LOCATION SKETCH			
				ACTIVITY (✓)			
				<input checked="" type="checkbox"/> NEW WELL			
				MODIFICATION/REPAIR			
				<input type="checkbox"/> Deepen			
				<input type="checkbox"/> Other (Specify)			
				<input type="checkbox"/> DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")			
				PLANNED USE(S)			
				<input checked="" type="checkbox"/> MONITORING			
				WATER SUPPLY			
				<input type="checkbox"/> Domestic			
				<input type="checkbox"/> Public			
				<input type="checkbox"/> Irrigation			
				<input type="checkbox"/> Industrial			
				<input type="checkbox"/> "TEST WELL"			
				<input type="checkbox"/> CATHODIC PROTECTION			
				<input type="checkbox"/> OTHER (Specify)			
				SOUTH			
				Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.			
				DRILLING METHOD <u>Hollow-Stem Auger</u> FLUID <u>N/A</u>			
				WATER LEVEL & YIELD OF COMPLETED WELL			
				DEPTH OF STATIC WATER LEVEL <u>24</u> (Ft.) & DATE MEASURED <u>3/22/94</u>			
				ESTIMATED YIELD * <u>N/A</u> (GPM) & TEST TYPE			
				TEST LENGTH <input type="checkbox"/> (Hrs.) TOTAL DRAWDOWN <input type="checkbox"/> (Ft.)			
				* May not be representative of a well's long-term yield.			
TOTAL DEPTH OF BORING <u>40</u> (Feet)				TOTAL DEPTH OF COMPLETED WELL <u>40</u> (Feet)			

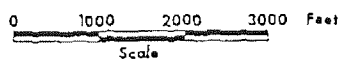
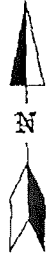
DEPTH FROM SURFACE		BORE-HOLE DIA. (Inches)	CASING(S)				DEPTH FROM SURFACE		ANNULAR MATERIAL				
Ft.	to Ft.		TYPE (✓)	MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	Ft.	to Ft.	CE-MENT (✓)	BEN-TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)
0	20	8	<input checked="" type="checkbox"/>	PVC	2	Sch 40							
20	40	8	<input checked="" type="checkbox"/>	PVC	2	Sch 40	0.020						
								0	16	<input checked="" type="checkbox"/>			
								16	18		<input checked="" type="checkbox"/>		
								18	40			<input checked="" type="checkbox"/>	No.3 Sand

ATTACHMENTS (✓)	CERTIFICATION STATEMENT
<input type="checkbox"/> Geologic Log <input type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input type="checkbox"/> Other _____	I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief. NAME <u>Lush Geosciences for Woodward Drilling</u> (PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED) ADDRESS <u>3560 Business Drive #120 Sacramento CA 95820</u> CITY STATE ZIP Signed <u>[Signature]</u> DATE SIGNED <u>4/20/94</u> 581639 WELL DRILLER/AUTHORIZED REPRESENTATIVE C-57 LICENSE NUMBER

547245



Reference: USGS 7.5'-series topographic map of the Dixon Quadrangle (photorevised 1981)



**SITE LOCATION MAP  
FRUITSTAND SITE  
MILK FARM PROPERTY**

DIXON, CALIFORNIA

LUSH GEOSCIENCES

FIGURE 1

ORIGINAL  
File with DWR

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN									
071N 01E 011									
STATE WELL NO./STATION NO.									
LATITUDE					LONGITUDE				
APN/TRS/OTHER									

Page 1 of 1  
 Owner's Well No. FMW4 No. 547246  
 Date Work Began 3/22/94, Ended 3/22/94  
 Local Permit Agency Solano County Environmental Health  
 Permit No. M-94-17 Permit Date 3/18/94

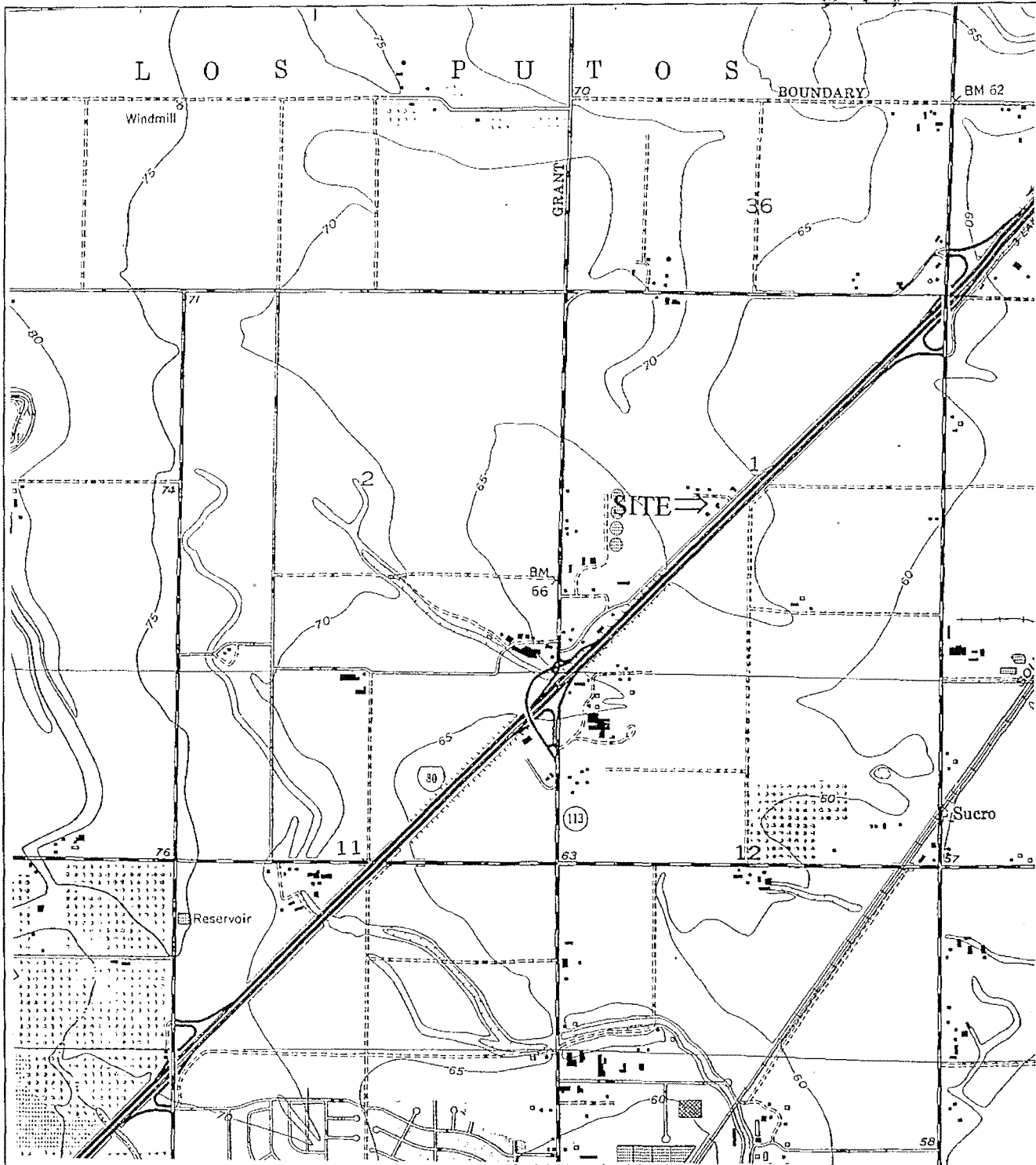
ORIENTATION (∠) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE <input type="checkbox"/> (SPECIFY)		WELL OWNER Name <u>Milk Farm Associates</u> Mailing Address <u>6591 Hawarden Drive</u> <u>Riverside</u> <u>CA</u> <u>92506</u> CITY STATE ZIP																	
DEPTH TO FIRST WATER <u>27</u> (Ft.) BELOW SURFACE DESCRIPTION <i>Describe material, grain size, color, etc.</i>		WELL LOCATION Address <u>6646 Milk Farm Road</u> City <u>Dixon</u> County <u>Solano</u> APN Book <u>    </u> Page <u>    </u> Parcel <u>    </u> Township <u>7N</u> Range <u>1E</u> Section <u>1</u> Latitude <u>    </u> NORTH Longitude <u>    </u> WEST <small>DEG. MIN. SEC. DEG. MIN. SEC.</small>																	
<table border="1"> <tr><th colspan="2">DEPTH FROM SURFACE</th></tr> <tr><th>Ft.</th><th>to Ft.</th></tr> <tr><td>0</td><td>22</td></tr> <tr><td>22</td><td>40</td></tr> </table>	DEPTH FROM SURFACE		Ft.	to Ft.	0	22	22	40	<table border="1"> <tr><th colspan="2">DEPTH FROM SURFACE</th></tr> <tr><th>Ft.</th><th>to Ft.</th></tr> <tr><td>0</td><td>22</td></tr> <tr><td>22</td><td>40</td></tr> </table>	DEPTH FROM SURFACE		Ft.	to Ft.	0	22	22	40	Yellow brown clay and silt Yellow brown & gray sand and gravel	LOCATION SKETCH NORTH WEST SOUTH <i>Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE &amp; COMPLETE.</i>
DEPTH FROM SURFACE																			
Ft.	to Ft.																		
0	22																		
22	40																		
DEPTH FROM SURFACE																			
Ft.	to Ft.																		
0	22																		
22	40																		
TOTAL DEPTH OF BORING <u>40</u> (Feet) TOTAL DEPTH OF COMPLETED WELL <u>40</u> (Feet)		ACTIVITY (∠) <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> MODIFICATION/REPAIR — Deepen — Other (Specify) <input type="checkbox"/> DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG") PLANNED USE(S) (∠) <input checked="" type="checkbox"/> MONITORING WATER SUPPLY — Domestic — Public — Irrigation — Industrial — "TEST WELL" — CATHODIC PROTECTION — OTHER (Specify)																	
DRILLING METHOD <u>Hollow-Stem Auger</u> FLUID <u>N/A</u> WATER LEVEL & YIELD OF COMPLETED WELL DEPTH OF STATIC WATER LEVEL <u>27</u> (Ft.) & DATE MEASURED <u>3/22/94</u> ESTIMATED YIELD* <u>N/A</u> (GPM) & TEST TYPE TEST LENGTH <u>    </u> (Hrs.) TOTAL DRAWDOWN <u>    </u> (Ft.) * May not be representative of a well's long-term yield.																			

DEPTH FROM SURFACE Ft. to Ft.	BORE-HOLE DIA. (Inches)	CASING(S)					INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	ANNULAR MATERIAL			
		TYPE (∠)			MATERIAL/GRADE	TYPE							
		BLANK	SCREEN	CONDUCTOR		FILL PIPE				CEMENT (∠)	BENTONITE (∠)	FILL (∠)	FILTER PACK (TYPE/SIZE)
0 to 20	8	x				PVC	2	Sch 40	x				
20 to 40	8	x				PVC	2	Sch 40 0.020		x			
											x	No.3 San	

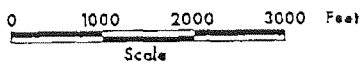
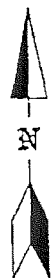
ATTACHMENTS (∠)  
 Geologic Log  
 Well Construction Diagram  
 Geophysical Log(s)  
 Soil/Water Chemical Analyses  
 Other \_\_\_\_\_  
 ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT  
 I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.  
 NAME Lush Geosciences for Woodward Drilling  
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)  
3560 Business Drive #120 Sacramento CA 95820  
 ADDRESS CITY STATE ZIP  
 Signed [Signature] 4/20/94 581639  
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C57 LICENSE NUMBER

547246



Reference: USGS 7.5'-series topographic map of the Dixon Quadrangle (photorevised 1981)



**SITE LOCATION MAP**  
**FRUITSTAND SITE**  
**MILK FARM PROPERTY**

DIXON, CALIFORNIA

LUSH GEOSCIENCES

FIGURE 1

ORIGINAL  
File with DWR

Page 1 of 1

Owner's Well No. FMW5

Date Work Began 3/22/94, Ended 3/22/94 No. 547247

Local Permit Agency Solano County Environmental Health

Permit No. M-94-17 Permit Date 3/18/94

STATE OF CALIFORNIA  
**WELL COMPLETION REPORT**  
Refer to Instruction Pamphlet

DWR USE ONLY - DO NOT FILL IN

07N101E011  
STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG			WELL OWNER	
ORIENTATION (✓) <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> ANGLE <input type="checkbox"/> (SPECIFY)			Name <u>Milk Farm Associates</u>	
DEPTH TO FIRST WATER <u>28</u> (Ft.) BELOW SURFACE			Mailing Address <u>6591 Hawarden Drive</u>	
DESCRIPTION			City <u>Riverside</u> CA <u>92506</u>	
Describe material, grain size, color, etc.			WELL LOCATION	
DEPTH FROM SURFACE			Address <u>6646 Milk Farm Road</u>	
Ft. to Ft.			City <u>Dixon</u>	
<u>0</u> to <u>12</u>	<u>Yellow brown silt</u>		County <u>Solano</u>	
<u>12</u> to <u>27</u>	<u>Brown clay and silt</u>		APN Book _____ Page _____ Parcel _____	
<u>27</u> to <u>40</u>	<u>Yellow brown &amp; gray sand and gravel</u>		Township <u>7N</u> Range <u>1E</u> Section <u>1</u>	
			Latitude _____ NORTH Longitude _____ WEST	
			DEG. MIN. SEC. NORTH Longitude WEST	
			DEG. MIN. SEC. WEST	
LOCATION SKETCH			ACTIVITY (✓)	
NORTH			<input checked="" type="checkbox"/> NEW WELL	
WEST			MODIFICATION/REPAIR	
SOUTH			<input type="checkbox"/> Deepen	
EAST			<input type="checkbox"/> Other (Specify)	
Illustrate or Describe Distance of Well from Landmarks such as Roads, Buildings, Fences, Rivers, etc. PLEASE BE ACCURATE & COMPLETE.			<input type="checkbox"/> DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")	
			PLANNED USE(S) (✓)	
			<input checked="" type="checkbox"/> MONITORING	
			WATER SUPPLY	
			<input type="checkbox"/> Domestic	
			<input type="checkbox"/> Public	
			<input type="checkbox"/> Irrigation	
			<input type="checkbox"/> Industrial	
			<input type="checkbox"/> "TEST WELL"	
			<input type="checkbox"/> CATHODIC PROTECTION	
			<input type="checkbox"/> OTHER (Specify)	
DRILLING METHOD <u>Hollow-Stem Auger</u> FLUID <u>N/A</u>			WATER LEVEL & YIELD OF COMPLETED WELL	
DEPTH OF STATIC WATER LEVEL <u>28</u> (Ft.) & DATE MEASURED _____			ESTIMATED YIELD* _____ (GPM) & TEST TYPE _____	
TOTAL DEPTH OF BORING <u>40</u> (Feet)			TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (Ft.)	
TOTAL DEPTH OF COMPLETED WELL <u>40</u> (Feet)			* May not be representative of a well's long-term yield.	

DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING(S)						DEPTH FROM SURFACE	ANNULAR MATERIAL					
		TYPE (✓)				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)		GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE			
Ft. to Ft.		BLANK	SCREEN	CONDUIT	FILL PIPE							Ft. to Ft.	CEMENT (✓)	BENTONITE (✓)
<u>0</u> to <u>20</u>	<u>8</u>	<input checked="" type="checkbox"/>				<u>PVC</u>	<u>2</u>	<u>Sch 40</u>						
<u>20</u> to <u>40</u>	<u>8</u>	<input checked="" type="checkbox"/>				<u>PVC</u>	<u>2</u>	<u>Sch 40</u>	<u>0.020</u>		<input checked="" type="checkbox"/>			
												<input checked="" type="checkbox"/>	<u>No. 3 San</u>	

ATTACHMENTS (✓)

Geologic Log

Well Construction Diagram

Geophysical Log(s)

Soil/Water Chemical Analyses

Other \_\_\_\_\_

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Lush Geosciences for Woodward Drilling  
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

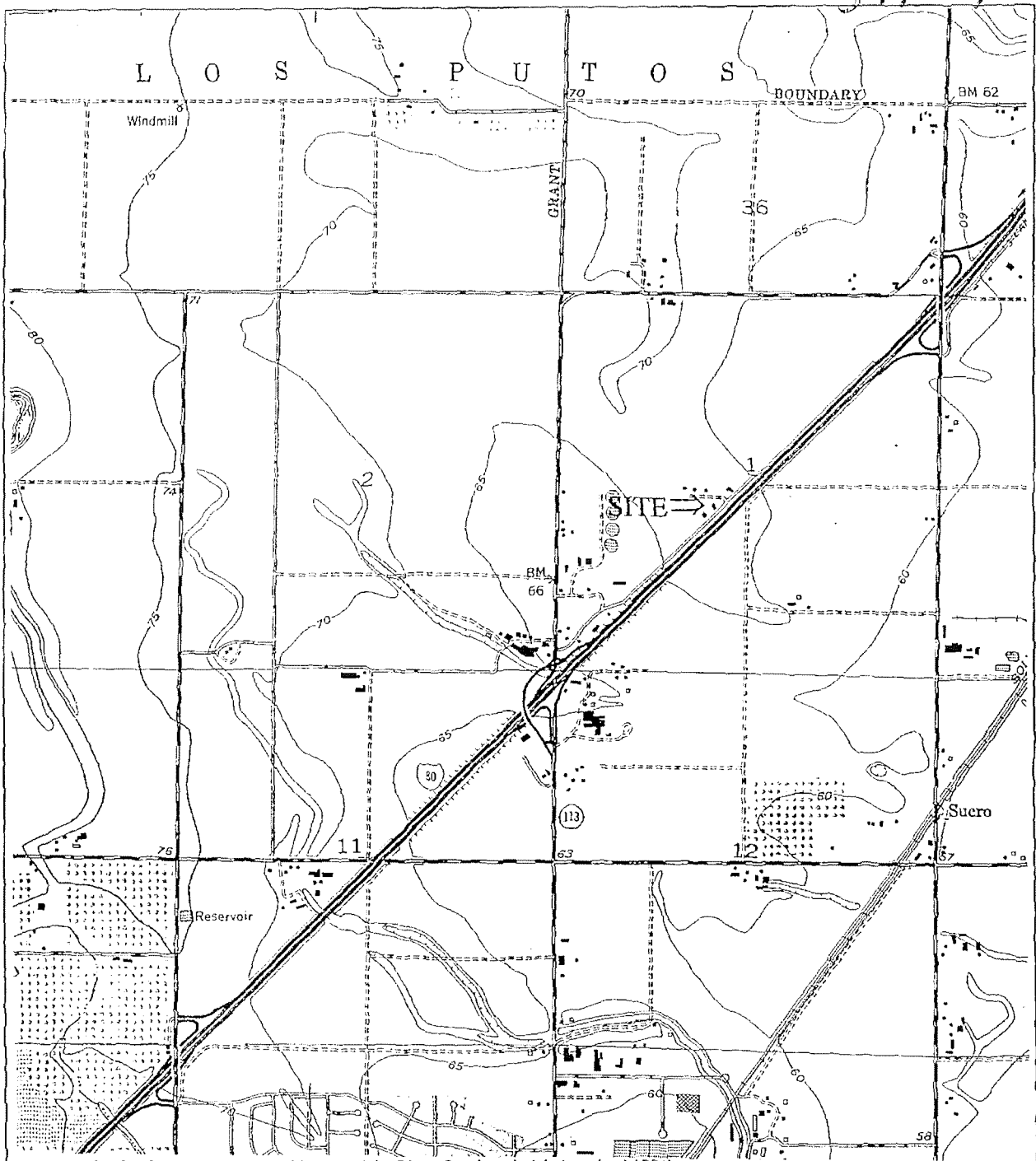
3560 Business Drive #120 Sacramento CA 95820  
ADDRESS CITY STATE ZIP

Signed [Signature] DATE SIGNED 4/20/94 581639  
WELL DRILLER/AUTHORIZED REPRESENTATIVE DATE SIGNED C-57 LICENSE NUMBER

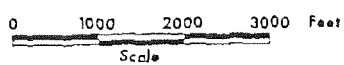
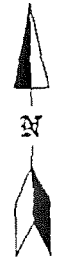
1679



549247



Reference: USGS 7.5'-series topographic map of the Dixon Quadrangle (photorevised 1981)



**SITE LOCATION MAP  
FRUITSTAND SITE  
MILK FARM PROPERTY**

DIXON, CALIFORNIA

LUSH GEOSCIENCES

FIGURE 1

**APPENDIX B**  
EDR GEOCHECK® REPORT



**EDR**® Environmental  
Data Resources Inc

# **The EDR GeoCheck<sup>®</sup> Report**

**042609 - NE of Dixon  
I-80 / Pedrick Rd.  
Dixon, CA 95620**

**Inquiry Number: 2153599.1s**

**February 26, 2008**

## **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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

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# GEOCHECK® - PHYSICAL SETTING SOURCE REPORT

## TARGET PROPERTY ADDRESS

042609 - NE OF DIXON  
I-80 / PEDRICK RD.  
DIXON, CA 95620

## TARGET PROPERTY COORDINATES

Latitude (North):	38.47572 - 38° 28' 32.6"
Longitude (West):	121.81117 - 121° 48' 42.1"
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	603656.3
UTM Y (Meters):	4259061.5
Elevation:	67 ft. above sea level

## USGS TOPOGRAPHIC MAP

Target Property Map:	38121-D7 DIXON, CA
Most Recent Revision:	1981

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

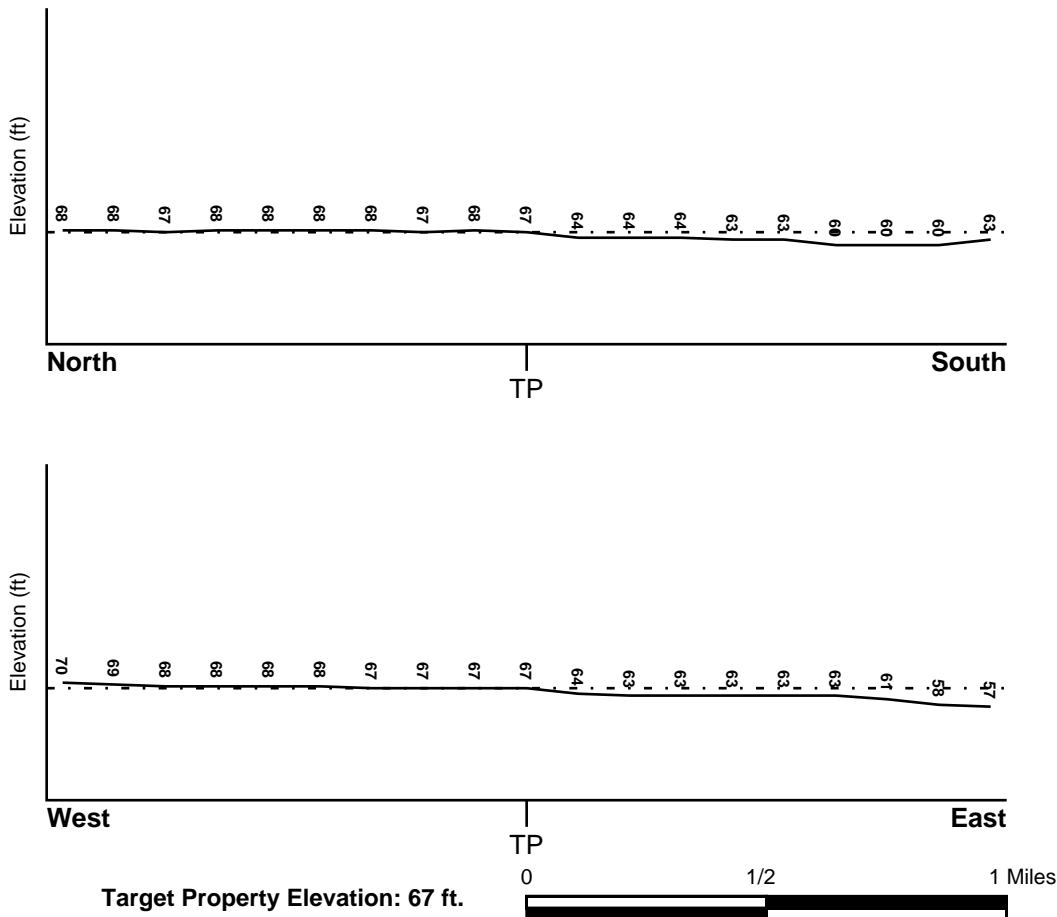
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

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

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

## FEMA FLOOD ZONE

<u>Target Property County</u> SOLANO, CA	FEMA Flood <u>Electronic Data</u> YES - refer to the Overview Map and Detail Map
---	--

Flood Plain Panel at Target Property: 0606310175B

Additional Panels in search area: 0603690001B  
0606310154B  
0606310158B

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> DIXON	NWI Electronic <u>Data Coverage</u> YES - refer to the Overview Map and Detail Map
---	--

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### *Site-Specific Hydrogeological Data\*:*

Search Radius:	1.25 miles
Status:	Not found

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
1	1/4 - 1/2 Mile NNW	ESE
C4	1/4 - 1/2 Mile West	NE,SE
C7	1/4 - 1/2 Mile West	Varies
C8	1/4 - 1/2 Mile West	Varies
17	1/2 - 1 Mile NNE	SE

For additional site information, refer to Physical Setting Source Map Findings.

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

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

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

#### **ROCK STRATIGRAPHIC UNIT**

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q ( <i>decoded above as Era, System &amp; Series</i> )

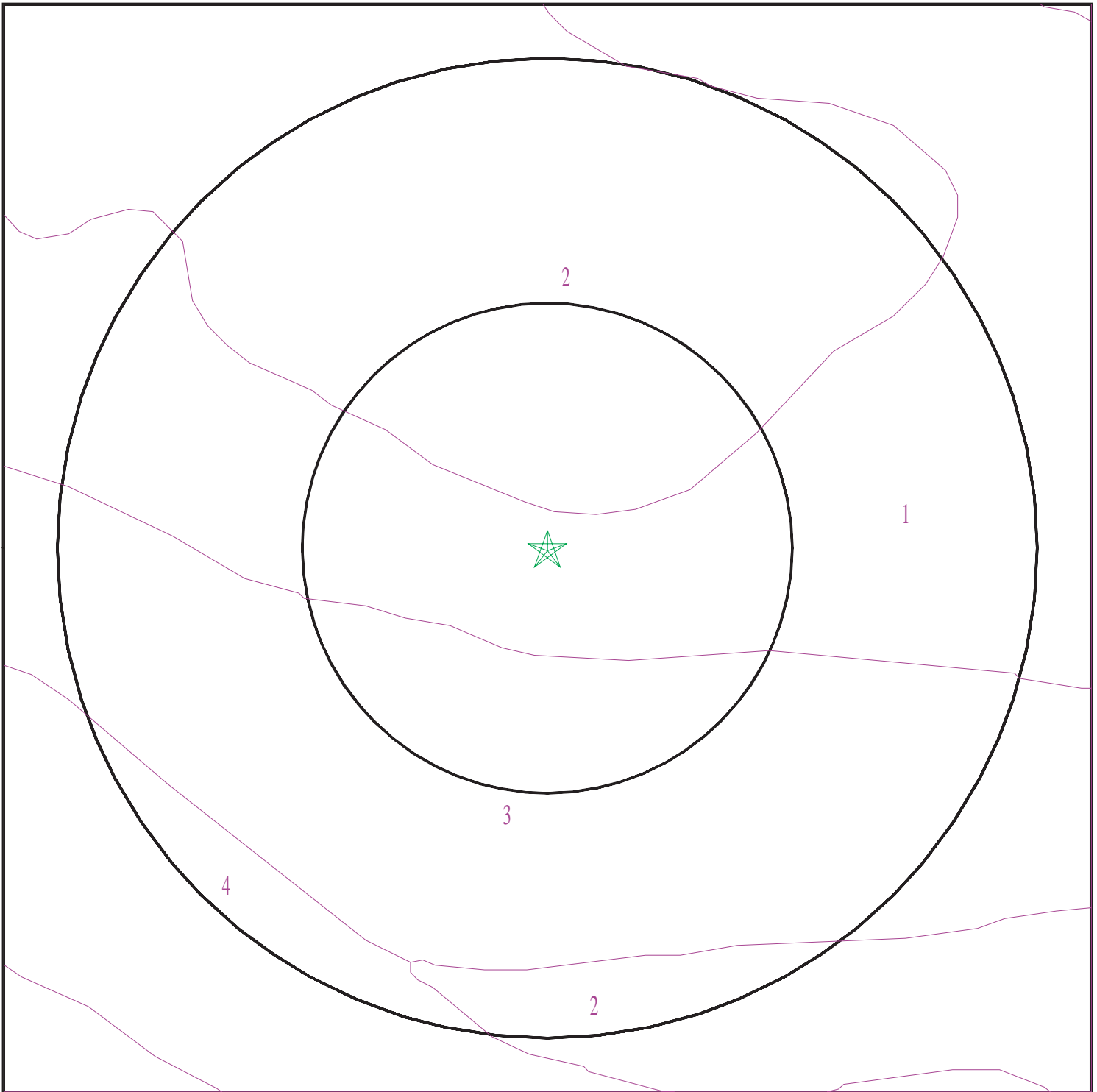
#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

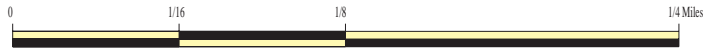
Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).



# SSURGO SOIL MAP - 2153599.1s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: 042609 - NE of Dixon  
ADDRESS: I-80 / Pedrick Rd.  
Dixon CA 95620  
LAT/LONG: 38.4757 / 121.8117

CLIENT: Conestoga-Rovers & Associates  
CONTACT: Kelly Connolly  
INQUIRY #: 2153599.1s  
DATE: February 26, 2008 3:27 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: BRENTWOOD

Soil Surface Texture: clay loam

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

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 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: 2.00 Min: 0.60	Max: 6.50 Min: 4.50
1	0 inches	6 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.80 Min: 6.10
2	6 inches	34 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 8.40 Min: 6.10

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	7 inches	31 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 4.50
3	34 inches	60 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.60 Min: 0.20	Max: 8.40 Min: 6.60

### Soil Map ID: 2

Soil Component Name: YOLO

Soil Surface Texture: silty clay loam

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

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	28 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	28 inches	60 inches	silt 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: 2.00 Min: 0.60	Max: 8.40 Min: 6.60

### Soil Map ID: 3

Soil Component Name: CAPAY

Soil Surface Texture: silty clay loam

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

Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	21 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.20 Min: 0.06	Max: 8.40 Min: 6.10
2	21 inches	50 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.20 Min: 0.06	Max: 8.40 Min: 7.40

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	50 inches	80 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.20 Min: 0.06	Max: 8.40 Min: 7.40

**Soil Map ID: 4**

Soil Component Name: YOLO

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. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	28 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. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 6.10

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	28 inches	60 inches	silt 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: 2.00 Min: 0.60	Max: 8.40 Min: 6.60

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	1.000
State Database	1.000

## **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	USGS3226405	1/4 - 1/2 Mile East
B3	USGS3226394	1/4 - 1/2 Mile East
C9	USGS3226406	1/4 - 1/2 Mile West
10	USGS3226368	1/2 - 1 Mile South
11	USGS3226371	1/2 - 1 Mile SSE
14	USGS3226384	1/2 - 1 Mile WSW
15	USGS3226367	1/2 - 1 Mile SE
16	USGS3226274	1/2 - 1 Mile North

## **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.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A5	CADW10000039514	1/4 - 1/2 Mile East
B6	CADW10000039513	1/4 - 1/2 Mile East
12	7268	1/2 - 1 Mile SW
13	CADW10000039527	1/2 - 1 Mile WNW

## OTHER STATE DATABASE INFORMATION

## STATE OIL/GAS WELL INFORMATION

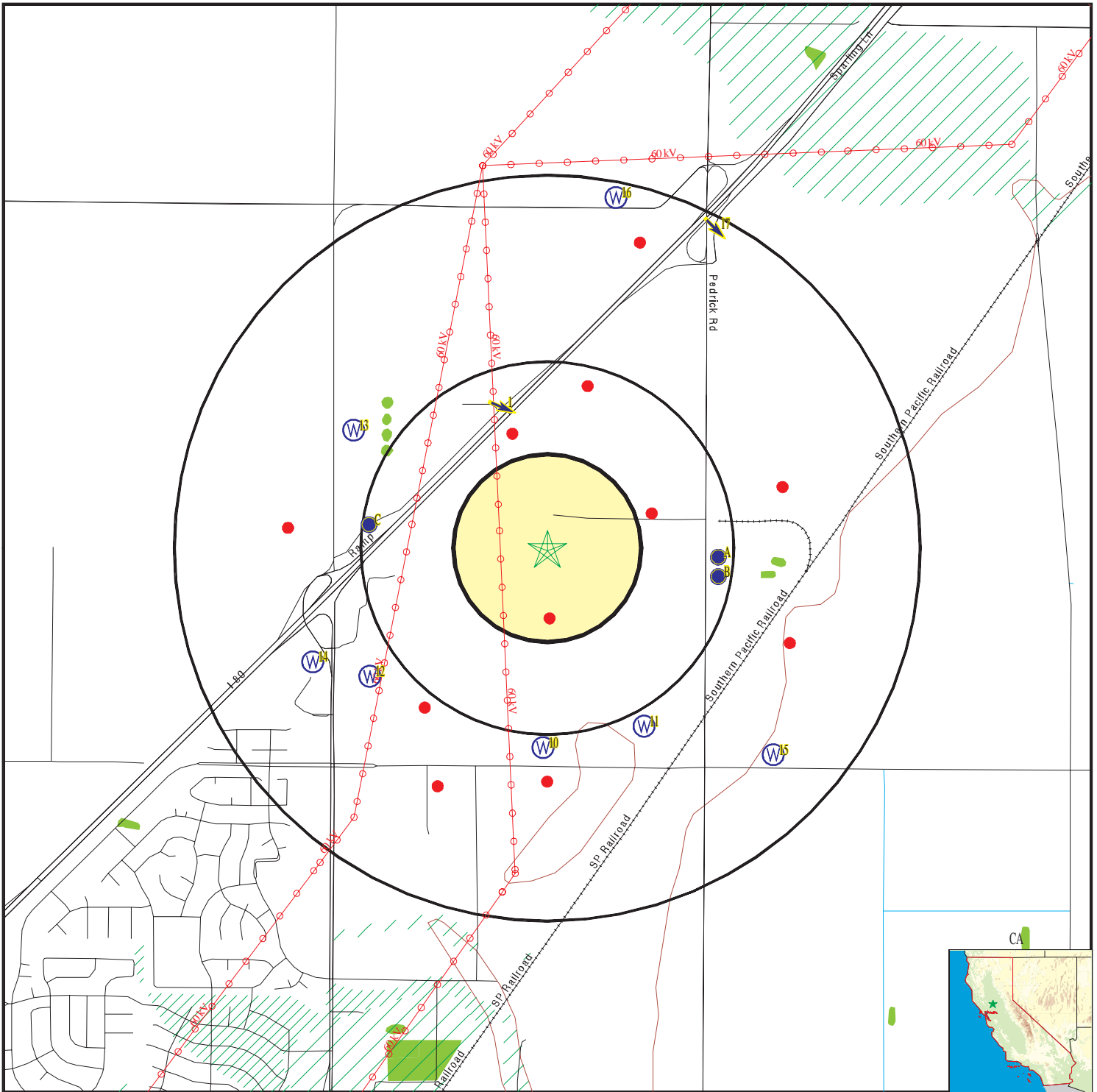
DISTANCE  
FROM TP (Miles)

1/2 - 1 Mile NNE  
1/4 - 1/2 Mile NNW  
1/4 - 1/2 Mile ENE  
1/8 - 1/4 Mile South  
1/2 - 1 Mile SW  
1/2 - 1 Mile SSW

DISTANCE  
FROM TP (Miles)

1/4 - 1/2 Mile NNE  
1/2 - 1 Mile ENE  
1/2 - 1 Mile West  
1/2 - 1 Mile ESE  
1/2 - 1 Mile South

# PHYSICAL SETTING SOURCE MAP - 2153599.1s



- County Boundary
- Major Roads
- Contour Lines
- Power transmission 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
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory



SITE NAME: 042609 - NE of Dixon  
 ADDRESS: I-80 / Pedrick Rd.  
 Dixon CA 95620  
 LAT/LONG: 38.4757 / 121.8117

CLIENT: Conestoga-Rovers & Associates  
 CONTACT: Kelly Connolly  
 INQUIRY #: 2153599.1s  
 DATE: February 26, 2008 3:27 pm



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

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

Site ID:                      Not Reported  
 Groundwater Flow:        ESE  
 Shallow Water Depth:    22.23  
 Deep Water Depth:        34.10  
 Average Water Depth:    Not Reported  
 Date:                        02/05/1993

**AQUIFLOW      53161**

**A2**  
**East**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS3226405**

Agency cd:	USGS	Site no:	382833121480801
Site name:	007N002E06N001M		
Latitude:	382833		
Longitude:	1214808	Dec lat:	38.47574107
Dec lon:	-121.80329561	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	Not Reported
Location map:	DIXON	Map scale:	24000
Altitude:	58.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19741207
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	385	Hole depth:	425
Source of depth data:	Not Reported		
Project number:	0479435800		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1975-05-21
Water quality data end date:	1977-07-13	Water quality data count:	2
Ground water data begin date:	1974-12-07	Ground water data end date:	1979-11-08
Ground water data count:	2		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1979-11-08	61.7				
Note: The site had been pumped recently.					
1974-12-07	60.50				

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**B3**  
**East**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS3226394**

Agency cd:	USGS	Site no:	382829121480801
Site name:	007N002E06N002M		
Latitude:	382829		
Longitude:	1214808	Dec lat:	38.47462998
Dec lon:	-121.80329559	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	Not Reported
Location map:	DIXON	Map scale:	24000
Altitude:	58.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19740314
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	918	Hole depth:	1003
Source of depth data:	Not Reported		
Project number:	0479435800		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1976-06-09
Water quality data end date:	1976-06-09	Water quality data count:	1
Ground water data begin date:	1974-03-14	Ground water data end date:	1974-03-14
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1974-03-14	44.00	

**C4**  
**West**  
**1/4 - 1/2 Mile**  
**Higher**

Site ID:	Not Reported
Groundwater Flow:	NE,SE
Shallow Water Depth:	19.41
Deep Water Depth:	28.35
Average Water Depth:	Not Reported
Date:	01/09/1990

**AQUIFLOW      53182**

**A5**  
**East**  
**1/4 - 1/2 Mile**  
**Lower**

**CA WELLS      CADW1000039514**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Longn: -121.8021  
 Latn: 38.4751  
 Stwellno: 07N02E06N002M  
 Districtco: 7  
 Wellusecod: N  
 Countycode: 48  
 Gwcode: 502111  
 Site id: CADW10000039514

**B6  
East  
1/4 - 1/2 Mile  
Lower**

**CA WELLS      CADW10000039513**

Longn: -121.8021  
 Latn: 38.4747  
 Stwellno: 07N02E06N003M  
 Districtco: 7  
 Wellusecod: N  
 Countycode: 48  
 Gwcode: 502111  
 Site id: CADW10000039513

**C7  
West  
1/4 - 1/2 Mile  
Higher**

Site ID: Not Reported  
 Groundwater Flow: Varies  
 Shallow Water Depth: 19.4  
 Deep Water Depth: 21.5  
 Average Water Depth: Not Reported  
 Date: 05/10/1994

**AQUIFLOW      53156**

**C8  
West  
1/4 - 1/2 Mile  
Higher**

Site ID: Not Reported  
 Groundwater Flow: Varies  
 Shallow Water Depth: 19.4  
 Deep Water Depth: 21.9  
 Average Water Depth: Not Reported  
 Date: 05/10/1994

**AQUIFLOW      53062**

**C9  
West  
1/4 - 1/2 Mile  
Higher**

**FED USGS      USGS3226406**

Agency cd:	USGS	Site no:	382836121491101
Site name:	007N001E01N003M		
Latitude:	382836		
Longitude:	1214911	Dec lat:	38.47657436
Dec lon:	-121.82079621	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	NWSWSWS01T007NR001EM
Location map:	DIXON	Map scale:	24000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	65.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19600520
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	290	Hole depth:	297
Source of depth data:	Not Reported		
Project number:	8479423711		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**10  
South  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS3226368**

Agency cd:	USGS	Site no:	382805121483901
Site name:	007N001E12G003M		
Latitude:	382805		
Longitude:	1214839	Dec lat:	38.46796348
Dec lon:	-121.81190689	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	SWSWNE012T007NR001EM
Location map:	DIXON	Map scale:	24000
Altitude:	61.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19671012
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	130	Hole depth:	156
Source of depth data:	Not Reported		
Project number:	8479423711		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported  
 Water quality data end date: Not Reported  
 Ground water data begin date: Not Reported  
 Ground water data count: Not Reported

Water quality data begin date: Not Reported  
 Water quality data count: Not Reported  
 Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

**11**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS3226371**

Agency cd:	USGS	Site no:	382808121482101
Site name:	007N001E12H001M		
Latitude:	382808		
Longitude:	1214821	Dec lat:	38.4687968
Dec lon:	-121.80690673	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	NWSENES12T007NR001EM
Location map:	DIXON	Map scale:	24000
Altitude:	59.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19670921
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIAL FAN DEPOSITS		
Well depth:	208	Hole depth:	329
Source of depth data:	Not Reported		
Project number:	8479423711		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0		
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0		
Water quality data end date:	1980-08-26	Water quality data begin date:	1980-08-26
Water quality data count:	1		
Ground water data begin date:	1979-12-18	Ground water data end date:	1979-12-18
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel
-----		
1979-12-18	33.05	

**12**  
**SW**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS      7268**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

**Water System Information:**

Prime Station Code:	07N/01E-12D01 M	User ID:	ENG
FRDS Number:	4800517001	County:	Solano
District Number:	04	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	382815.0 1214910.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4800517		
System Name:	Dixon Livestock Auction		
Organization That Operates System:	P.O. Box 967		
	Dixon, CA 95620		
Pop Served:	100	Connections:	1
Area Served:	Not Reported		

**13  
WNW  
1/2 - 1 Mile  
Higher**

**CA WELLS      CADW10000039527**

Longn: -121.8202  
 Latn: 38.4804  
 Stwellno: 07N01E01M002M  
 Districtco: 7  
 Wellusecod: IH  
 Countycode: 48  
 Gwcode: 502111  
 Site id: CADW10000039527

**14  
WSW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS3226384**

Agency cd:	USGS	Site no:	382817121492001
Site name:	007N001E11A001M		
Latitude:	382817		
Longitude:	1214920	Dec lat:	38.47129672
Dec lon:	-121.82329621	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	SENESES11T007NR001EM
Location map:	DIXON	Map scale:	24000
Altitude:	64.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19730901
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	121	Hole depth:	121
Source of depth data:	Not Reported		
Project number:	8479423711		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
	Daily flow data begin date:	Not Reported	
	Daily flow data count:	Not Reported	
	Peak flow data end date:	Not Reported	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported  
 Water quality data end date: Not Reported  
 Ground water data begin date: Not Reported  
 Ground water data count: Not Reported

Water quality data begin date: Not Reported  
 Water quality data count: Not Reported  
 Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

**15**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS3226367**

Agency cd:	USGS	Site no:	382804121475801
Site name:	007N002E07E001M		
Latitude:	382804		
Longitude:	1214758	Dec lat:	38.46768572
Dec lon:	-121.80051761	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	SESWNWS07T007NR002EM
Location map:	DIXON	Map scale:	24000
Altitude:	57.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19590522
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	214	Hole depth:	214
Source of depth data:	Not Reported		
Project number:	8479423711		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0		
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0		
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Water quality data count:	0		
Ground water data begin date:	1959-05-22	Ground water data end date:	1959-05-22
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1959-05-22	85.00	

**16**  
**North**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS3226274**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	382922121482601
Site name:	008N001E36Q001M		
Latitude:	382922		
Longitude:	1214826	Dec lat:	38.48935183
Dec lon:	-121.808296	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	095
Country:	US	Land net:	SESWSES36T008NR001EM
Location map:	DIXON	Map scale:	24000
Altitude:	63.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	2.5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Lower Sacramento. California. Area = 1720 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19640827
Date inventoried:	19800119	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	260	Hole depth:	481
Source of depth data:	driller		
Project number:	8479423711		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported	Daily flow data begin date:	Not Reported
Peak flow data begin date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data count:	Not Reported	Peak flow data end date:	Not Reported
Water quality data end date:	Not Reported	Water quality data begin date:	Not Reported
Ground water data begin date:	Not Reported	Water quality data count:	Not Reported
Ground water data count:	Not Reported	Ground water data end date:	Not Reported

Ground-water levels, Number of Measurements: 0

<b>17</b> <b>NNE</b> <b>1/2 - 1 Mile</b> <b>Lower</b>	Site ID:	Not Reported		
	Groundwater Flow:	SE	<b>AQUIFLOW</b>	<b>53184</b>
	Shallow Water Depth:	25		
	Deep Water Depth:	33		
	Average Water Depth:	Not Reported		
Date:	06/23/1994			



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction \_\_\_\_\_ Database \_\_\_\_\_ EDR ID Number \_\_\_\_\_  
 Distance \_\_\_\_\_

**NNE**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG30000190726**

Apinumber:	09520332	Operator:	McFarland Energy, Inc.
Lease:	Sparling	Well no:	1
Field:	Not Reported	Caoilgas m2 area:	Not Reported
Map:	616	Status cod:	006
Source:	Not Reported		
Latitude:	38.48769		
Longitude:	-121.80604		
Td:	0		
Sec:	1		
Twn:	7N	Rge:	1E
Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	192287
Site id:	CAOG30000190726		

**NNE**  
**1/4 - 1/2 Mile**

**OIL\_GAS CAOG30000190709**

Apinumber:	09520834	Operator:	H. T. Hilliard & Co.
Lease:	Sparling	Well no:	1-1
Field:	Not Reported	Caoilgas m2 area:	Not Reported
Map:	616	Status cod:	006
Source:	Not Reported		
Latitude:	38.48211		
Longitude:	-121.80863		
Td:	0		
Sec:	1		
Twn:	7N	Rge:	1E
Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	192712
Site id:	CAOG30000190709		

**NNW**  
**1/4 - 1/2 Mile**

**OIL\_GAS CAOG30000190703**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	09520988	Operator:	Two Bay Petroleum
Lease:	E. Dixon Unit 1	Well no:	1
Field:	Not Reported	Caoilgas m2 area:	Not Reported
Map:	616	Status cod:	006
Source:	Not Reported		
Latitude:	38.48026		
Longitude:	-121.81235		
Td:	0		
Sec:	1		
Twn:	7N	Rge:	1E
Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	192861
Site id:	CAOG30000190703		

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**ENE**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG30000190697**

Apinumber:	09500394	Operator:	Exxon Mobil Corp.
Lease:	Mary M. Collier	Well no:	1
Field:	Dixon, East, Gas	Caoilgas m2 area:	Not Reported
Map:	616	Status cod:	006
Source:	Not Reported		
Latitude:	38.47819		
Longitude:	-121.79899		
Td:	0		
Sec:	6		
Twn:	7N	Rge:	2E
Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	191872
Site id:	CAOG30000190697		

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**ENE**  
**1/4 - 1/2 Mile**

**OIL\_GAS      CAOG30000190693**

Apinumber:	09520813	Operator:	H. T. Hilliard & Co.
Lease:	Rendall	Well no:	1
Field:	Dixon, East, Gas	Caoilgas m2 area:	Not Reported
Map:	616	Status cod:	024
Source:	Not Reported		
Latitude:	38.47716		
Longitude:	-121.80546		
Td:	0		
Sec:	1		
Twn:	7N	Rge:	1E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	192691
Site id:	CAOG30000190693		

**West  
1/2 - 1 Mile**

**OIL\_GAS      CAOG30000190690**

Apinumber:	09500376	Operator:	Chevron U.S.A. Inc.
Lease:	Gill Unit	Well no:	1
Field:	Not Reported	Caoilgas m2 area:	Not Reported
Map:	616	Status cod:	006
Source:	Not Reported		
Latitude:	38.4766		
Longitude:	-121.82345		
Td:	0		
Sec:	2		
Twn:	7N	Rge:	1E
Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	191854
Site id:	CAOG30000190690		

**South  
1/8 - 1/4 Mile**

**OIL\_GAS      CAOG30000190676**

Apinumber:	09520984	Operator:	Two Bay Petroleum
Lease:	Vaughn	Well no:	1
Field:	Dixon, East, Gas	Caoilgas m2 area:	Not Reported
Map:	616	Status cod:	006
Source:	Not Reported		
Latitude:	38.47308		
Longitude:	-121.81051		
Td:	0		
Sec:	12		
Twn:	7N	Rge:	1E
Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	192857
Site id:	CAOG30000190676		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction \_\_\_\_\_ Database \_\_\_\_\_ EDR ID Number \_\_\_\_\_  
 Distance \_\_\_\_\_

**ESE**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG30000190670**

Apinumber:	09520388	Operator:	Coastal Oil & Gas Corp.
Lease:	E. Dixon	Well no:	1
Field:	Dixon, East, Gas	Caoilgas m2 area:	Not Reported
Map:	616	Status cod:	024
Source:	Not Reported		
Latitude:	38.47212		
Longitude:	-121.79863		
Td:	0		
Sec:	7		
Twn:	7N	Rge:	2E
Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	192336
Site id:	CAOG30000190670		

**SW**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG30000190659**

Apinumber:	09520768	Operator:	Robert Sumpf
Lease:	Vaughn	Well no:	1
Field:	Dixon, East, Gas	Caoilgas m2 area:	Not Reported
Map:	616	Status cod:	007
Source:	Not Reported		
Latitude:	38.46961		
Longitude:	-121.81669		
Td:	0		
Sec:	12		
Twn:	7N	Rge:	1E
Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	192648
Site id:	CAOG30000190659		

**South**  
**1/2 - 1 Mile**

**OIL\_GAS CAOG30000190640**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Apinumber:	09520761	Operator:	Robert Sumpf
Lease:	Nishikawa	Well no:	1
Field:	Dixon, East, Gas	Caoilgas m2 area:	Not Reported
Map:	616	Status cod:	024
Source:	Not Reported		
Latitude:	38.46673		
Longitude:	-121.81063		
Td:	0		
Sec:	12		
Twn:	7N	Rge:	1E
Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	192641
Site id:	CAOG30000190640		

---

**SSW**  
1/2 - 1 Mile

**OIL\_GAS      CAOG30000190639**

Apinumber:	09520587	Operator:	Hilliard Oil & Gas, Inc.
Lease:	Nishikawa Unit	Well no:	1
Field:	Dixon, East, Gas	Caoilgas m2 area:	Not Reported
Map:	616	Status cod:	006
Source:	Not Reported		
Latitude:	38.46655		
Longitude:	-121.81605		
Td:	0		
Sec:	12		
Twn:	7N	Rge:	1E
Bm:	MD		
X coord1:	0		
Y coord1:	0		
Zone:	Not Reported	Spuddate:	10/12/2006 00:00:00
Abanddate:	09/06/2006 00:00:00	Comments:	Not Reported
District:	6	Mapinfo id:	192478
Site id:	CAOG30000190639		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

### Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
95620	3	0	0.00

Federal EPA Radon Zone for SOLANO County: 3

- 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.

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### Federal Area Radon Information for SOLANO COUNTY, CA

Number of sites tested: 41

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.993 pCi/L	95%	5%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	-0.433 pCi/L	100%	0%	0%

# 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.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 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<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

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

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation 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.

## 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.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## **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

## **RADON**

### **State Database: CA Radon**

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

### **Area Radon Information**

Source: USGS

Telephone: 703-356-4020

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

### **EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

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

## **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.



# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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**APPENDIX C**  
**PARCEL PHOTOGRAPHS**



Photo 1 - Hess Lane, which leads past Parcels 111-020-140, 111-020-150, 111-020-160, 111-020-170, 111-020-210, and 111-020-220 and 111-020-130.



Photo 2 - Parcel 111-010-020 (N), looking east, no well.



Photo 3 - Parcel 111-020-130 and Parcel 111-020-150 or Parcel 111-020-150 (Parcel 111-010-050 in distance). It seems residences on Hess Lane share one well. There is a pressure tank. Pressure tank initially set up for multi-home tract but only three homes ended up being installed, as reported by tenant of Parcel 111-020-150 on Hess Lane.



Photo 4 – Close-up image of pressure tank utilized by homes on Hess Lane.



Photo 5 – Parcel 111-010-050 (N) has no well noticed, farmland/ crops, looking southeast.



Photo 6 - Parcel 111-010-020 (N), farmland/ crops, no wells, looking southeast.



Photo 7 - Parcel 111-010-080 (O), grain crops, no well, looking west.



Photo 8 – Parcel 111-040-030 (C), farmland/ crops, one irrigation well, looking west.



Photo 9 – Parcel 111-040-020 (B), farmland crop, one irrigation well, looking east.



Photo 10 - Parcel 111-040-010 (A), farmland crop, no visible well, looking south.



Photo 11 - Parcel 111-190-020 (J), farmland/ crops (corn), no well, looking southeast.





Photo 12 - Parcel 111-040-040 (G) farmland/crops, no well, looking southeast.



Photo 13 - Parcel 111-190-010 (I), farmland/crops, no well, looking southwest.



Photo 14 - Parcel 111-080-050 (H) one irrigation well, labeled DW-8.



Photo 15 - Parcel 111-190-030 (K), farmland, no well.



Photo 16 - Parcel 111-050-110 (F), looking east, one domestic well.



Photo 17- Parcel 111-050-110 (F), looking south, one domestic irrigation well.



Photo 18 - Parcel 111-050-110 (F), looking north, irrigation well, possible, 100 horse power motor.



Photo 19 - Parcel 111-050-150 (E), vacant lot, no well, looking east.

**CONESTOGA-ROVERS  
& ASSOCIATES**

October 10, 2008

Ref. No. 042609

Misty C. Kaltreider, P.G., C.E.G.  
Engineering Geologist  
Department of Resource Management  
675 Texas Street, Suite 5500  
Fairfield, CA 94533

Dear Ms. Kaltreider:

Re: Addendum to Fourth Quarter 2007/2008 Groundwater Monitoring Report and Sensitive Receptor Survey Report

Conestoga-Rovers & Associates (CRA), along with our client, Magna Entertainment Corporation (MEC), is in receipt of the Department of Resource Management's (DRM) September 29, 2008 email correspondence containing comments and requests related to the Fourth Quarter 2007/ 2008 Report and the Sensitive Receptor Survey Report. Both reports concerned the former Mistler Property (Site) (Solano County File No. 29-80336) located northeast of Dixon, California, near the intersection of Interstate 80 and Pedrick Road (Figure 1). The comments and requests have been reviewed and CRA, on behalf of MEC, offer the following responses:

**DRM Comment #1**

*Where is the Dixon City limits (currently and proposed city limits)?*

**CRA Response**

The Dixon City limits are shown on Figure 2, along with circles representing a distance of 500 feet from the Site and 2,000 feet from the Site. As can be seen on the map, all property within 500 feet of the Site is within the Dixon City limits. Only a small portion of properties outside the City limits is located within 2,000 feet of the Site, and these properties are too far away to be affected by any impact to the groundwater remaining post-soil remediation.

**DMR Comment # 2**

*The City of Dixon uses wells as municipal water supply; therefore, they could use or install wells on or near the site for the future MUN usage.*

October 10, 2008

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Ref. No. 042609

### CRA Response

Monitoring results from the past four quarters have indicated that the extent of the on-Site hydrocarbon impact to the shallow groundwater is limited to the proximity of the former above-ground storage tank (AST) area in the Site. Additionally, the extent of impact is limited to the upper, semi-contained aquifer which starts at a depth of approximately 20 feet below ground surface (bgs). As described in Section 4.2 of the Sensitive Receptor Survey Report, all of the identified wells for potable or irrigation use are screened in a deeper part of the aquifer. It is reasonable to assume that any wells constructed by the City of Dixon will be screened in a deeper part of the aquifer as well. As the compound of concern is lighter than water, it is unlikely that the Site impacts will affect nearby wells.

### DMR Comment # 3

*Table 1 summarizes the APNs, however it is difficult to cross-reference the actual well ID with the location. Please revise Table 1 to include the well ID and reference to the parcel letters illustrated in Figure 4. Also, please include the direction the well is from the subject site and the distance in feet and cross reference the DWR well completion reports and if the well is active or abandoned/inactive.*

### CRA Response

The requested information has been incorporated into the table from the Sensitive Receptor Survey Report and is provided with this letter in Table 1. The well locations that were field verified are shown on Figure 3 and Figure 4. Each well was assigned an ID on those figures, which is mentioned in Table 1 for ease of reference.

Additionally, the DRM issued requests in the September 29, 2008 email correspondence. CRA offers the following responses.

### DRM Request #1

*The Sensitive Receptor survey report indicated that an existing monitoring well is onsite near the AST that was installed prior to CRA. The location of this well with respect to the existing 4 monitoring wells and the AST should be illustrated on a site plan.*

### CRA Response

The location of the monitoring well is shown in Figure 5, included as an attachment to this letter.

October 10, 2008

-3-

Ref. No. 042609

**DRM Request #2**

*All QMRs should include the following tables:*

- 1- Historical and current groundwater level measurements and groundwater elevations*
- 2- Historical and current groundwater concentrations reported in the monitoring wells (for all events and constituents)*
- 3- Historical and current groundwater flow and gradient.*

**CRA Response**

The historical and current groundwater level measurements and groundwater elevations, as well as the historical and current groundwater concentrations reported in the monitoring wells are shown in Table 2. The historical and current groundwater flow and gradient is shown in Table 3. Should any subsequent quarterly monitoring reports be required by the DRM, CRA will ensure that tables containing the above requested information will be included.

**DRM Request #3**

*It takes up to 5 business days after uploading to Geotracker for us to "view" any uploaded report. Therefore, please uploaded all correspondence to Geotracker (pdf reports, lab data, and water levels) prior to submitting the hard copy to this Department*

**CRA Response**

CRA apologizes for the oversight and will ensure that in the future reports are uploaded to Geotracker prior to submittal of the hard copy to the DRM.

**CONESTOGA-ROVERS  
& ASSOCIATES**

October 10, 2008


-4-

Ref. No. 042609

I trust this addendum report adequately addresses the DRM's requests and comments regarding the previously submitted reports. If you have any questions or require any further information, please contact me at (209) 983-6810.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

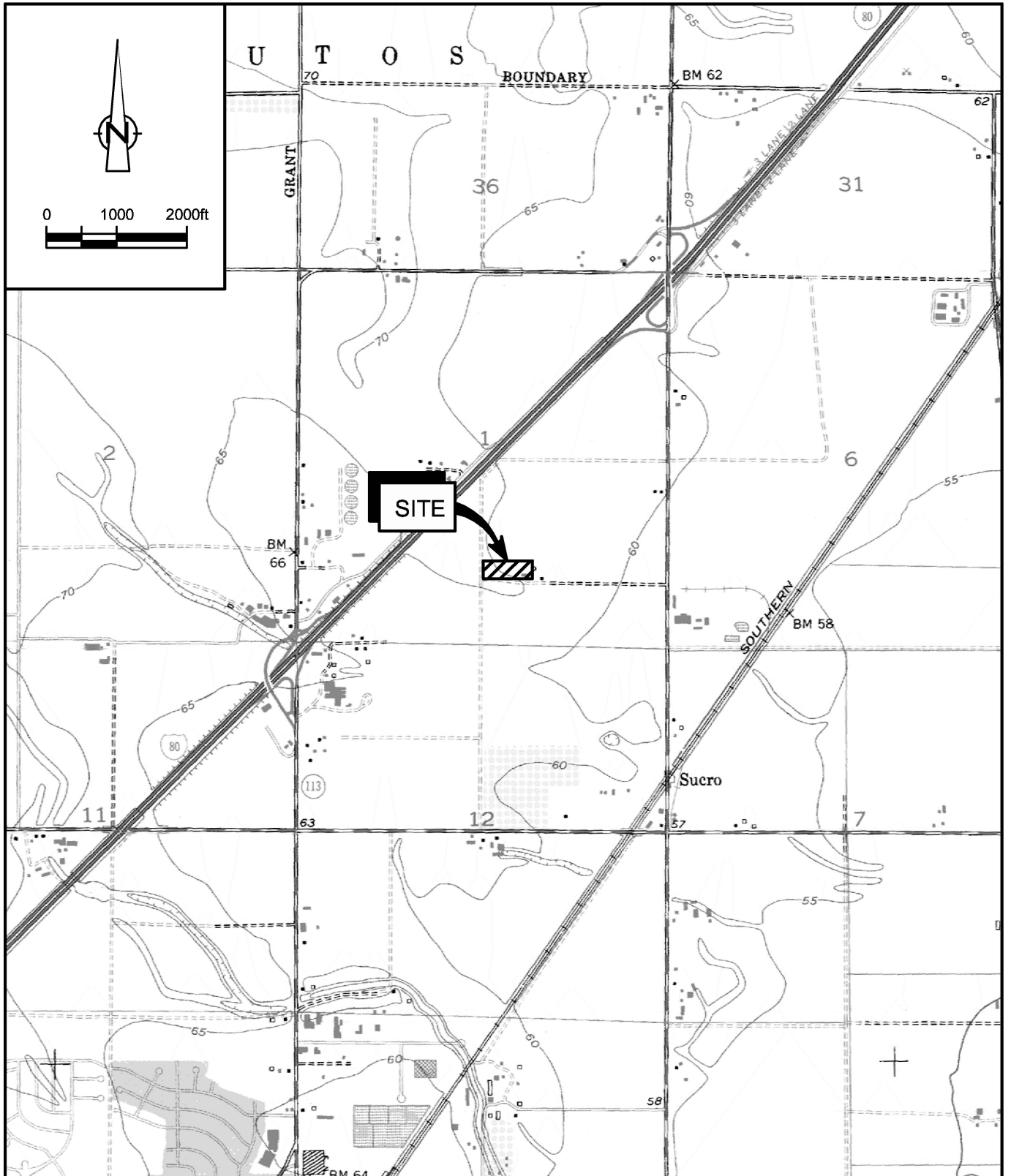
A handwritten signature in cursive script that reads "Gregory Ruiz".

Gregory Ruiz, MS  
Staff Engineer

GR/gr/03  
Attmt.

cc: Fernando Carou, Magna Entertainment (3 copies)  
Duncan Austin, RWQCB

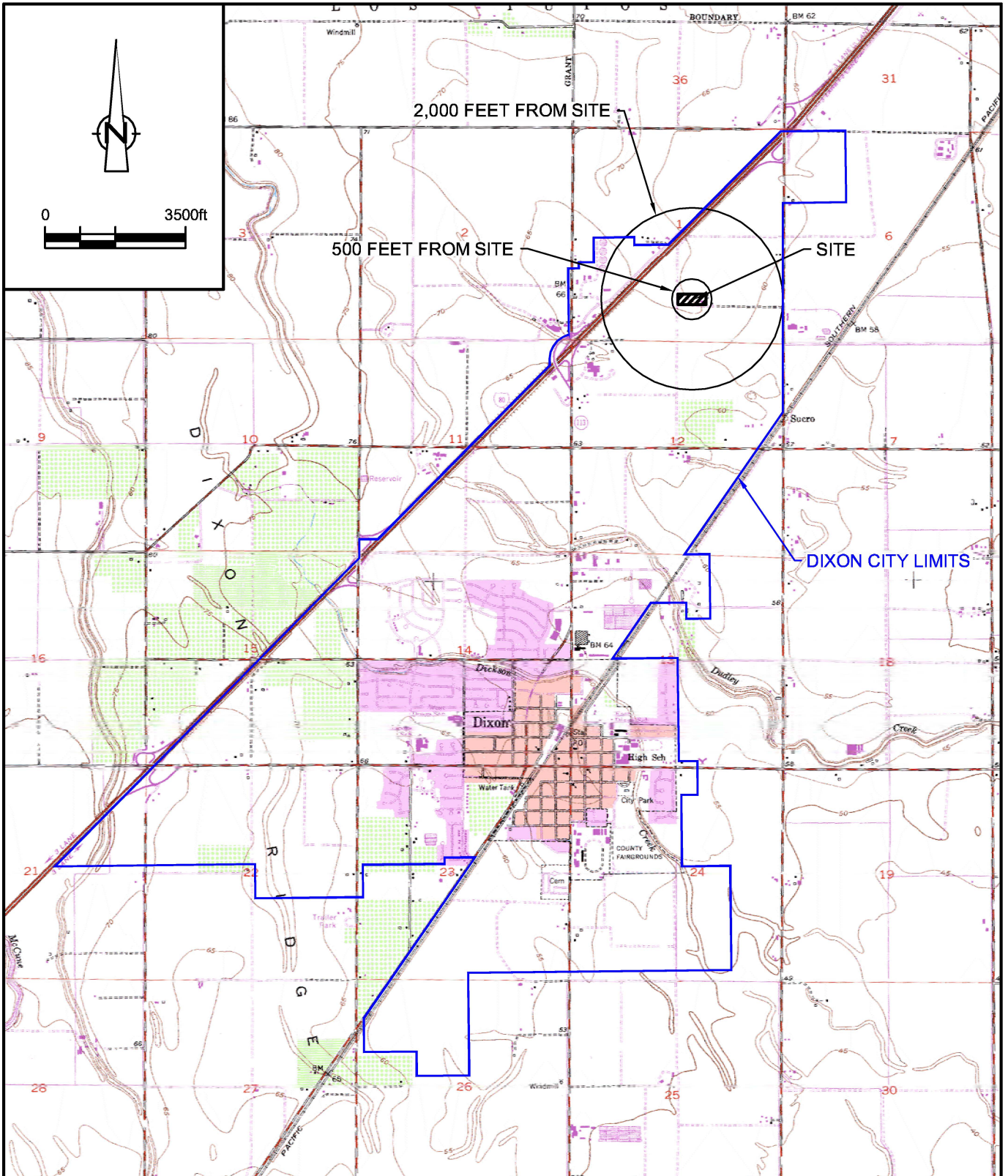




SOURCE: USGS QUADRANGLE MAP;  
DIXON, CALIFORNIA

figure 1  
SITE LOCATION  
MISTLER SITE  
*Dixon, California*





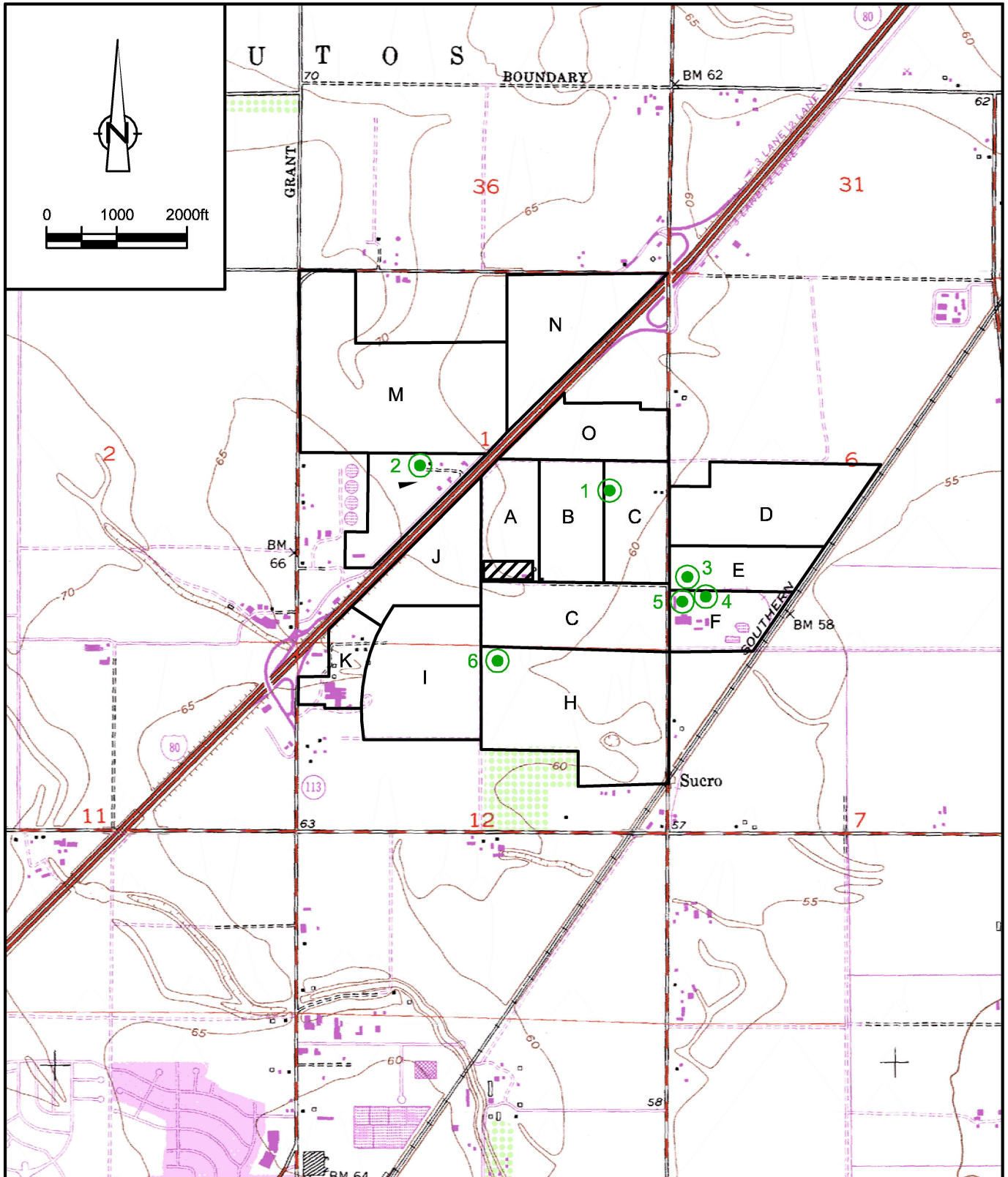
SOURCE: USGS QUADRANGLE MAP;  
DIXON, CALIFORNIA

**LEGEND**

 FORMER MISTLER SITE PROPERTY



figure 2  
SITE LOCATION WITH REFERENCE TO  
DIXON CITY LIMITS  
MISTLER SITE  
*Dixon, California*



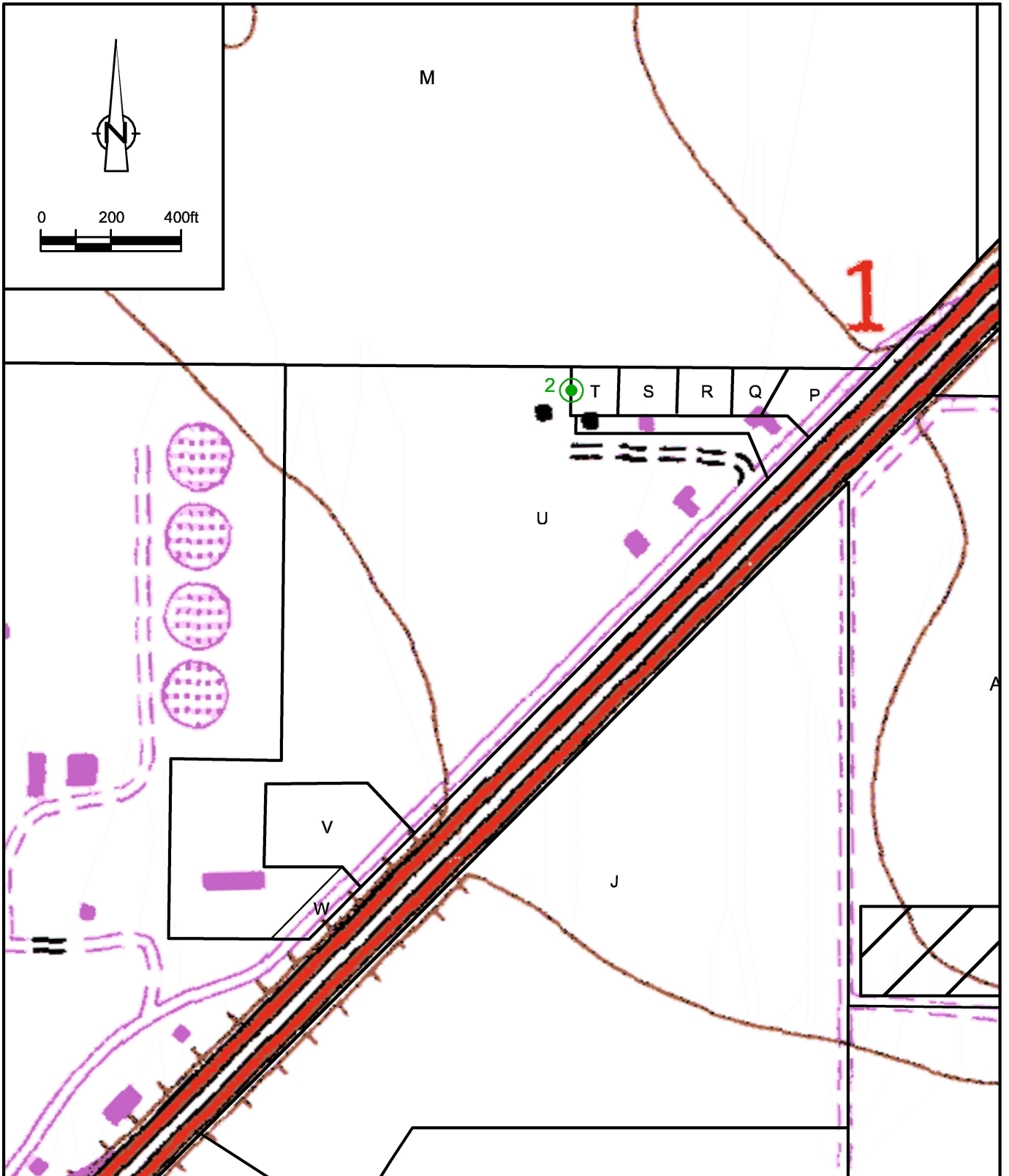
SOURCE: USGS QUADRANGLE MAP;  
DIXON, CALIFORNIA

figure 3

**WELL LOCATIONS WITHIN  
MISTLER SITE  
Dixon, California**

**LEGEND**  
 2 ● WELL FIELD VERIFIED TO BE  
 WITHIN 2,000 FEET OF SITE





SOURCE: USGS QUADRANGLE MAP;  
DIXON, CALIFORNIA

figure 4

WELL LOCATIONS WITHIN PARCEL BOUNDARIES ALONG  
MILK FARM ROAD AND HESS LANE  
MISTLER SITE  
*Dixon, California*



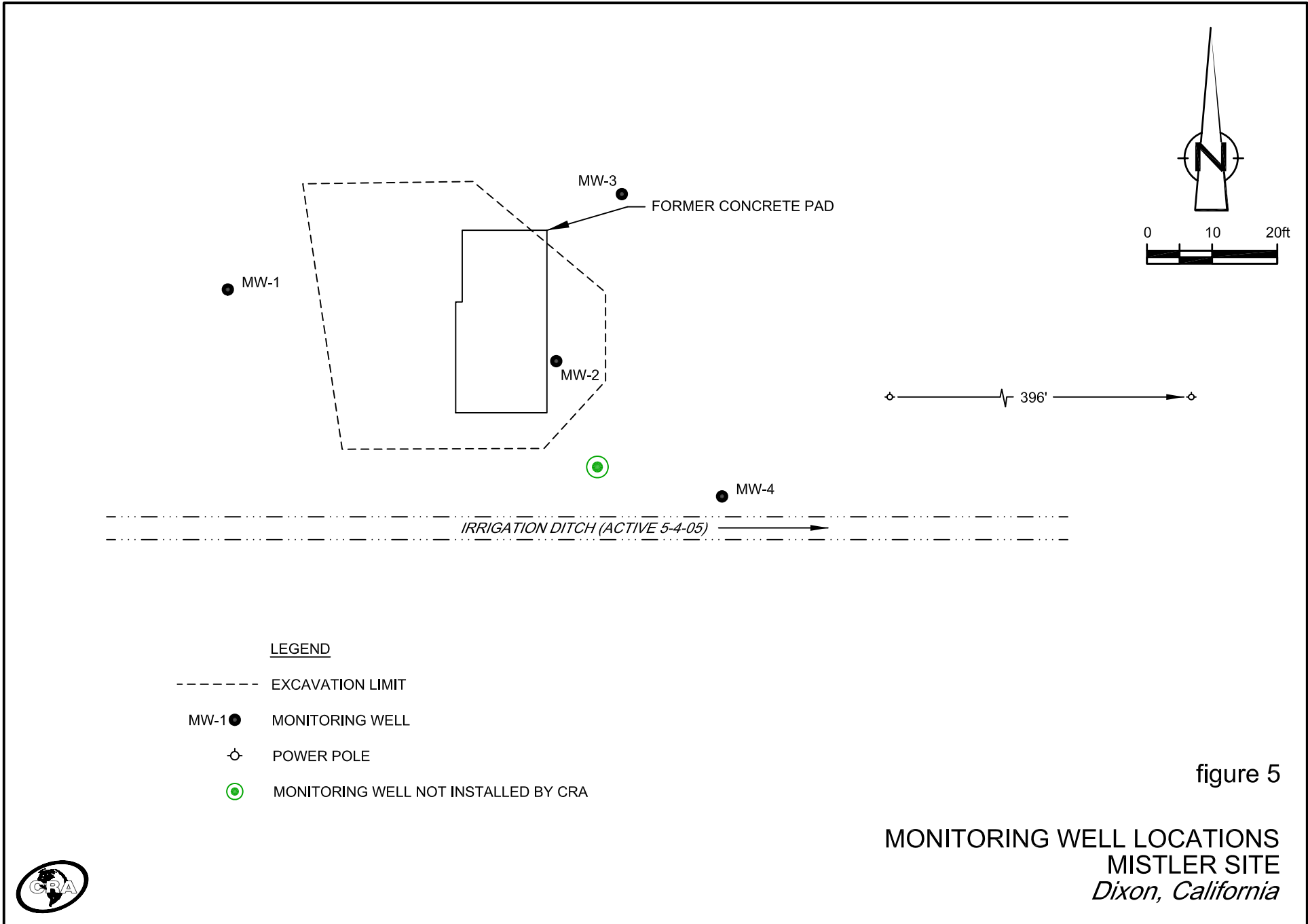


figure 5

MONITORING WELL LOCATIONS  
MISTLER SITE  
Dixon, California



**Table 1**  
**Summary of Parcel Uses and No. of Observed Wels**  
**Mistler Site**  
**Dixon, California**

Property APN	Figure 3 ID	Figure 4 ID	Use	Observed Wells	Well Type	Well ID	Reference to Parcel Letters	Direction from Subject Site	Distance in Feet	DWR Well Completion Report	Active or Abandoned/ Inactive?
111-040-010	A		Farmland/ crops (corn)	5	5 monitoring	MW-1 , MW-2, MW-3, MW-4 and an unidentified well	Site	On-Site	0	Not available at this time	4 active, 1 inactive
111-040-020	B		Farmland/ crops	1	Irrigation	1	B,C	Northeast	1375	48774	Active
111-040-030	C		Farmland/ crops								
111-040-040	D		Farmland/ crops	0	None observed						
111-020-130		U	Vacant lot	1	Domestic	2	T,U	North- northwest	1625	75735	Active
111-020-110		V	Vacant lot								
111-020-120		W	Vacant lot								
111-020-150		T	Residence								
111-020-160		S	Residence								
111-020-170		R	Residence								
111-020-210		Q	Vacant lot								
111-020-220		P	Vacant lot								
111-010-050	M		Farmland/ crops	0	None observed						
111-010-020	N		Farmland/ crops	0	None observed						

**Table 1**  
**Summary of Parcel Uses and No. of Observed Wells**  
**Mistler Site**  
**Dixon, California**

Property APN	Figure 3 ID	Figure 4 ID	Use	Observed Wells	Well Type	Well ID	Reference to Parcel Letters	Direction from Subject Site	Distance in Feet	DWR Well Completion Report	Active or Abandoned/ Inactive?
111-010-080	O		Grain crop	0	None observed						
111-050-160	D		Farmland /crops	1, not within 2,000 feet	Irrigation						
111-050-150	E		Farmland/ crops	0	None observed						
111-050-110	F		Campbell's Soup Canning Factory	3	2 domestic, 1 irrigation	3,4,5	F	East-southeast	2000	1231 (corresponds to industrial well)	Active
111-190-010	I		Farmland/ crop	0	None observed						
111-190-020	J		Farmland/ crops	0	None observed						
111-190-030	K		Farmland/ crops	0	None observed						
111-080-050	H		Farmland/ crops	1	1 irrigation	6	H	South	1125	46684	Active

**Table 2**  
**GROUNDWATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS**  
**Former Mistler Property**  
**Intersection of I-80 and Pedrick Road**  
**Dixon, California**

Sampling Location	Sampling Date	TOC	DTW	GWE	Benzene	Ethylbenzene	Toluene	Xylenes	TPH DRO	Unknown Hydro-Carbon	SVOCs
		(ft msl)	(ft)	(ft msl)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	
MW-1	03/30/07	65.08	20.98	44.1	<1.0	<1.0	<1.0	<1.0	<50	<50	All ND
	10/09/07	65.08	22.01	43.07	<1.0	<1.0	<1.0	<1.0	<50	<50	NA
	02/15/08	65.08	21.93	43.15	<1.0	<1.0	<1.0	<1.0	<47	<47	All ND
MW-1	05/15/08	65.08	15.75	49.33	<1.0	<1.0	<1.0	<1.0	<47	<47	NA
MW-2	03/30/07	65.61	21.55	44.08	<1.0	<1.0	<1.0	<1.0	<50	<50	All ND
	10/09/07	65.61	22.52	43.09	<1.0	<1.0	<1.0	<1.0	<50	99 120	All ND
	02/15/08	65.61	22.43	43.18	<1.0	<1.0	<1.0	<1.0	<48	180	All ND
MW-2	05/15/08	65.61	16.22	49.39	<1.0	<1.0	<1.0	<1.0	<47	300	All ND
MW-3	03/30/07	66.65	22.58	44.07	<1.0	<1.0	<1.0	<1.0	<50	<50	All ND
	10/09/07	66.65	23.58	43.07	<1.0	<1.0	<1.0	<1.0	<50	<50	NA
	02/15/08	66.65	23.5	43.15	<1.0	<1.0	<1.0	<1.0	<47	<47	All ND
MW-3	05/15/08	66.65	17.3	49.35	<1.0	<1.0	<1.0	<1.0	<47	<47	NA
MW-4	03/30/07	65.49	21.37	44.12	<1.0	<1.0	<1.0	<1.0	<50	<50	All ND
	10/09/07	65.49	22.38	43.11	<1.0	<1.0	<1.0	<1.0	<50	<50	NA
	02/15/08	65.49	22.31	43.18	<1.0	<1.0	<1.0	<1.0	<48	<48	All ND
MW-4	05/15/08	65.49	16.08	49.41	<1.0	<1.0	<1.0	<1.0	<47 <48	<47 <48	NA
MCL	--	--	--	--	1	300	150	1,750	NE	NE	--
<b>Notes:</b>											
	All analytes detected by 8260B unless otherwise noted										
TOC	Elevation at north side of the top of well casing referenced to MacArthur USGS Datum										
DTW	Depth to water										
GWE	Groundwater elevation										
TPH-DRO	Total petroleum hydrocarbons as diesel range organics by EPA Method 8015M										
SVOCs	Semi-volatile organic compounds by EPA Method 8270										
ft msl	feet above mean sea level										
ft	feet										
ug/L	micrograms per liter										
<###	Not detected in concentrations exceeding the indicated laboratory method detection limit										
All ND	No constituents analyzed for with this method were detected above the reporting limit										
NA	Not analyzed for										
MCL	Maximum Contaminant Level										
NE	Not Established										



**TABLE 3**  
**CURRENT AND HISTORICAL GROUNDWATER FLOW**  
**GRADIENTS AND DIRECTIONS**  
**Mistler Property**  
**Dixon, California**

Date	Darcy's Law Gradient	Directions
5/4/2005	0.1 ft/ft	North
3/30/2007	0.0012 ft/ft	North-northeast
10/10/2007	0.001 ft/ft	North-northwest
2/15/2008	0.001-0.002 ft/ft	Northwest to north-northeast
5/15/2008	0.002 ft/ft	Northwest

APPENDIX F

LABORATORY ANALYTICAL REPORT AND  
DATA VALIDATION MEMORANDUM

October 15, 2010

**TestAmerica Project Number: G0I290558**  
PO/Contract: 4026902

Paul Wiseman  
Conestoga-Rovers & Associates  
14496 Sheldon Road  
Suite 200  
Plymouth, MI 48170

Dear Mr. Wiseman,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on September 29, 2010. These samples are associated with your 58414-001 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl  
Project Manager

## Table of Contents

# TestAmerica West Sacramento Project Number G0I290558

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

WATER, 8015 MOD, TPH Diesel

Samples: 1, 2, 3

    Sample Data Sheets

    Method Blank Reports

    Laboratory QC Reports

## **Case Narrative**

### **TestAmerica West Sacramento Project Number G0I290558**

There are no anomalies associated with this project.

### TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0708	Oregon*	CA 200005
Arkansas	88-0691	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014
Colorado	NA	Texas	T104704399-08-TX
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C1281
Hawaii	NA	West Virginia	9930C, 334
Illinois	200060	Wisconsin	998204680
Kansas*	E-10375	NFESC	NA
Louisiana*	30612	USACE	NA
Michigan	9947	USDA Foreign Plant	37-82605
Nevada	CA44	USDA Foreign Soil	P330-09-00055
New Jersey*	CA005	US Fish & Wildlife	LE148388-0
New Mexico	NA	Guam	09-014r

\*NELAP accredited. A more detailed parameter list is available upon request. Updated 3/25/2009

### QC Parameter Definitions

**QC Batch:** The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

**Method Blank:** An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

**Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):** An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

**Duplicate Sample (DU):** Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

**Surrogates:** Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

**Matrix Spike and Matrix Spike Duplicate (MS/MSD):** An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

**Isotope Dilution:** For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

**Control Limits:** The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

## Sample Summary

### TestAmerica West Sacramento Project Number G0I290558

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
L7N9V	1	GW-58414-92919-GER-001	9/29/2010 01:08 PM	9/29/2010 05:00 PM
L7N9X	2	GW-58414-92919-GER-002	9/29/2010 01:18 PM	9/29/2010 05:00 PM
L7N90	3	GW-58414-92919-GER-004	9/29/2010 03:06 PM	9/29/2010 05:00 PM

#### Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

# CHAIN OF CUSTODY RECORD



**CONESTOGA-ROVERS & ASSOCIATES**  
 Stockton, CA

SHIPPED TO (Laboratory Name):

TA W Sac

REFERENCE NUMBER:

058414-001

SAMPLER'S SIGNATURE: Gregory Ruiz PRINTED NAME: Gregory Ruiz

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. of Containers	PARAMETERS	REMARKS
1308	09/29/10		gw-58414-92910-ger-001	water	2	X	
1318			gw-58414-92910-ger-002	water	2	X	
<del>1506</del>	<del></del>	<del></del>	<del>gw-58414-92910-ger-003</del>	<del>water</del>	<del>4</del>	<del>X</del>	<del>NO Sample 003 is included in cooler</del>
1506			gw-58414-92910-ger-004	water	4	X	Sample 004 is MS/MSD
<b>CRA</b>							

TOTAL NUMBER OF CONTAINERS

8

HEALTH/CHEMICAL HAZARDS

No

RELINQUISHED BY: ① <u>Gregory Ruiz</u>	DATE: <u>09/29/10</u> TIME: <u>1700</u>	RECEIVED BY: ① <u>[Signature]</u>	DATE: <u>29 09/10</u> TIME: <u>1700</u>
RELINQUISHED BY: ② _____	DATE: _____ TIME: _____	RECEIVED BY: ② _____	DATE: _____ TIME: _____
RELINQUISHED BY: ③ _____	DATE: _____ TIME: _____	RECEIVED BY: ③ _____	DATE: _____ TIME: _____

METHOD OF SHIPMENT: hand deliver

WAY BILL No. NA

- White —Fully Executed Copy
- Yellow —Receiving Laboratory Copy
- Pink —Shipper Copy
- Goldenrod —Sampler Copy

SAMPLE TEAM:  
Gregory Ruiz

RECEIVED FOR LABORATORY BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
**Nº CRA 13751**



CLIENT CRA PM KD LOG # 67256  
LOT# (QUANTIMS ID) G01290558 QUOTE# 56653 LOCATION W18D  
DATE RECEIVED 9-29-10 TIME RECEIVED 1700 Checked   
DELIVERED BY  FEDEX  ON TRAC  CLIENT  
 GOLDENSTATE  UPS  GO-GETTERS  OTHER  
 TAL COURIER  TAL SF  VALLEY LOGISTICS   
CUSTODY SEAL STATUS  INTACT  BROKEN  N/A   
CUSTODY SEAL #(S) \_\_\_\_\_  
SHIPPING CONTAINER(S)  TAL  CLIENT  N/A   
COC #(S) 13751   
TEMPERATURE BLANK Observed: 2/2 Corrected: 2/2  
SAMPLE TEMPERATURE - (TEMPERATURES ARE IN °C)  
Observed: 11, 11, 13 Average 12 Corrected Average 12  
**LABORATORY THERMOMETER ID:**  
IR UNIT: #4  #5  OTHER \_\_\_\_\_   
Initials CK Date 9-29-10

pH MEASURED  YES  ANOMALY  N/A   
LABELED BY.....   
LABELS CHECKED BY.....   
PEER REVIEW \_\_\_\_\_  NA   
SHORT HOLD TEST NOTIFICATION \_\_\_\_\_   
SAMPLE RECEIVING   
WETCHEM  N/A   
VOA-ENCORES  N/A   
 METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL  N/A   
 COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH  N/A   
APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES  
 CLOUSEAU  TEMPERATURE EXCEEDED (2 °C - 6 °C)<sup>\*1</sup>  N/A   
 WET ICE  BLUE ICE  GEL PACK  NO COOLING AGENTS USED  PM NOTIFIED  
Initials CK Date 9-29-10

Notes Some day sampled

\*1 Acceptable temperature range for State of Wisconsin samples is  $\leq 4^{\circ}\text{C}$ .

Lot  
ID: \_\_\_\_\_

G01290558

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB	2	2	4																	
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid    s = sulfuric acid    na = sodium hydroxide    n = nitric acid    zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

# WATER, 8015 MOD, TPH Diesel

# QC DATA ASSOCIATION SUMMARY

G0I290558

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WG	SW846 8015 MOD		0277146	0277103
002	WG	SW846 8015 MOD		0277146	0277103
003	WG	SW846 8015 MOD		0277146	0277103

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-58414-92919-GER-001

GC Semivolatiles

Lot-Sample #...: G0I290558-001    Work Order #...: L7N9V1AA    Matrix.....: WG  
Date Sampled...: 09/29/10    Date Received..: 09/29/10  
Prep Date.....: 10/04/10    Analysis Date..: 10/12/10  
Prep Batch #...: 0277146  
Dilution Factor: 0.95    Method.....: SW846 8015 MOD

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
TPH (as Diesel)	ND	48	ug/L
Unknown Hydrocarbon	ND	48	ug/L

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
o-Terphenyl	84	(42 - 164)

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-58414-92919-GER-002

GC Semivolatiles

Lot-Sample #...: G0I290558-002    Work Order #...: L7N9X1AA    Matrix.....: WG  
Date Sampled...: 09/29/10    Date Received..: 09/29/10  
Prep Date.....: 10/04/10    Analysis Date..: 10/12/10  
Prep Batch #...: 0277146  
Dilution Factor: 0.94    Method.....: SW846 8015 MOD

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
TPH (as Diesel)	ND	47	ug/L
Unknown Hydrocarbon	ND	47	ug/L
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
o-Terphenyl	85	(42 - 164)	

Conestoga-Rovers & Associates, Inc.

Client Sample ID: GW-58414-92919-GER-004

GC Semivolatiles

Lot-Sample #...: G0I290558-003    Work Order #...: L7N901AA    Matrix.....: WG  
Date Sampled...: 09/29/10    Date Received...: 09/29/10  
Prep Date.....: 10/04/10    Analysis Date...: 10/12/10  
Prep Batch #...: 0277146  
Dilution Factor: 0.95    Method.....: SW846 8015 MOD

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
TPH (as Diesel)	ND	48	ug/L
Unknown Hydrocarbon	ND	48	ug/L
	<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>	
o-Terphenyl	86	(42 - 164)	

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: G0I290558      Work Order #...: L7XNL1AA      Matrix.....: WATER  
MB Lot-Sample #: G0J040000-146  
Prep Date.....: 10/04/10  
Analysis Date..: 10/12/10      Prep Batch #...: 0277146  
Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
TPH (as Diesel)	ND	50	ug/L	SW846 8015 MOD
Unknown Hydrocarbon	ND	50	ug/L	SW846 8015 MOD
	<u>PERCENT</u>	<u>RECOVERY</u>		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
o-Terphenyl	86	(42 - 164)		

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.



LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G0I290558      Work Order #...: L7XNL1AC      Matrix.....: WATER  
 LCS Lot-Sample#: G0J040000-146  
 Prep Date.....: 10/04/10      Analysis Date...: 10/12/10  
 Prep Batch #...: 0277146  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
TPH (as Diesel)	300	286	ug/L	95	SW846 8015 MOD
<u>SURROGATE</u>		<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
o-Terphenyl		96	(42 - 164)		

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**GC Semivolatiles**

Client Lot #...: G0I290558      Work Order #...: L7XNL1AC      Matrix.....: WATER  
 LCS Lot-Sample#: G0J040000-146  
 Prep Date.....: 10/04/10      Analysis Date...: 10/12/10  
 Prep Batch #...: 0277146  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
TPH (as Diesel)	95	(38 - 115)	SW846 8015 MOD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	96	(42 - 164)

**NOTE(S):**

---

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: G0I290558      Work Order #...: L7N901AC-MS      Matrix.....: WG  
 MS Lot-Sample #: G0I290558-003      L7N901AD-MSD  
 Date Sampled...: 09/29/10      Date Received...: 09/29/10  
 Prep Date.....: 10/04/10      Analysis Date...: 10/12/10  
 Prep Batch #...: 0277146  
 Dilution Factor: 0.96

<u>PARAMETER</u>	<u>SAMPLE AMOUNT</u>	<u>SPIKE AMT</u>	<u>MEASRD AMOUNT</u>	<u>UNITS</u>	<u>PERCNT RECVRY</u>	<u>RPD</u>	<u>METHOD</u>
TPH (as Diesel)	ND	289	299	ug/L	103		SW846 8015 MOD
	ND	289	297	ug/L	103	0.70	SW846 8015 MOD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	98	(42 - 164)
	97	(42 - 164)

**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: G0I290558      Work Order #...: L7N901AC-MS      Matrix.....: WG  
 MS Lot-Sample #: G0I290558-003      L7N901AD-MSD  
 Date Sampled...: 09/29/10      Date Received...: 09/29/10  
 Prep Date.....: 10/04/10      Analysis Date...: 10/12/10  
 Prep Batch #...: 0277146  
 Dilution Factor: 0.96

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
TPH (as Diesel)	103	(38 - 115)			SW846 8015 MOD
	103	(38 - 115)	0.70	(0-40)	SW846 8015 MOD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	98	(42 - 164)
	97	(42 - 164)


**NOTE(S):**

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters



## MEMORANDUM

TO: Erik Friedrich

FROM: Michael Richardson/rr/3/Det 

RE: **Data Quality Assessment and Reduced Validation  
Diesel Site Investigation - September 2010  
Dixon Site Ocala Meadows - Dixon, California**

REF. NO.: 058414

DATE: December 10, 2010

The following details a quality assessment and validation of the analytical data resulting from the September 29, 2010 collection of two (2) groundwater samples and one (1) quality control sample from the Dixon Site Ocala Meadows in Dixon, California. The sample summary detailing sample identification, sample location, quality control samples, and analytical parameters is presented in Table 1. Sample analysis was completed by TestAmerica Laboratories, Inc. of West Sacramento, California (TA-WS) in accordance with the methodologies presented in Table 2.

The quality control criteria used to assess the data were established by the methods. Application of quality assurance criteria was consistent with the following guidance documents:

- i. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", EPA 540/R-99/008, October 1999.

These guidelines are collectively referred to as "NFGs" in this Memorandum.

### Sample Preservation and Holding Times

Sample holding time periods and preservation requirements are presented in Table 2.

The samples, as indicated by the sample collection, extraction and analysis dates on the chain-of-custody forms and analytical reports provided by TA-WS, were prepared and analyzed within the required holding time periods.

The samples were shipped and maintained in accordance with the samples preservation requirements.

### Method Blank Samples

Method blank samples are prepared from a purified sample matrix and are processed concurrently with investigative samples to assess the presence and the magnitude of sample contamination introduced during sample analysis. Method blank samples are analyzed at a minimum frequency of one per analytical batch and target analytes should be non-detect.

Method Blank Samples (continued)

The method blank samples were reported to be free from detectable levels of target analytes, indicating no laboratory-attributable contamination occurred.

Surrogate Compounds - Organic Analyses

Individual sample performance for organic analyses was monitored by assessing the results of surrogate compound percent recoveries. Surrogate percent recoveries are reviewed against the laboratory developed control limits provided in the analytical report.

The surrogate recovery acceptance criteria were met for all samples that could be evaluated.

Matrix Spike/Matrix Spike Duplicate Analyses

To assess the long term accuracy and precision of the analytical methods on various matrices, matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and the relative percent difference (RPD) of the concentrations were determined. The organic MS/MSD percent recovery and RPD control limits are established by the laboratory. The samples selected for MS/MSD analysis are identified in Table 1.

The MS/MSD percent recoveries and associated RPD acceptance criteria were met in the sample analyses.

Laboratory Control Sample Analysis

The laboratory control sample (LCS) analyses serve as a monitor of the overall performance in all steps of the sample analysis and are analyzed with each sample batch. The LCS percent recoveries were evaluated against method and laboratory established control limits.

The LCS percent recoveries were within the laboratory control limits or did not warrant qualification, indicating that an acceptable level of overall performance was achieved.

Field Quality Assurance/Quality Control

The field quality assurance/quality control consisted of one (1) field duplicate sample set.

*Field Duplicate Samples*

Overall precision for the sampling event and laboratory procedures was monitored using the results of the field duplicate sample sets. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the RL, the evaluation criteria is one times the RL value for water samples.

The data indicate that an adequate level of precision was achieved for the sampling event.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision based on the provided information and may be used without qualification.

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY  
 DIESEL SITE INVESTIGATION - SEPTEMBER 2010  
 DIXON SITE OCALA MEADOWS - DIXON, CALIFORNIA

<i>Sample Identification</i>	<i>Location</i>	<i>Matrix</i>	<i>QC Samples</i>	<i>Collection Date (mm/dd/yyyy)</i>	<i>Collection Time (hr:min)</i>	<i>Analysis/Parameters</i>
CRA SDG No.: 02	TA-WS Lot No.: G0I290558					
GW-058414-92910-GER-001	MW-X	Groundwater	-	9/29/2010	13:08	TPH as Diesel
GW-058414-92910-GER-002	MW-X	Groundwater	DUP (001)	9/29/2010	13:18	TPH as Diesel
GW-058414-92910-GER-004	MW-2	Groundwater	MS/MSD	9/29/2010	15:06	TPH as Diesel

Notes:

QC - Quality Control

TA-WS - TestAmerica Laboratories, Inc. - West Sacramento, California

DUP - Field Duplicate Sample of Sample in parenthesis

MS/MSD - Matrix Spike/Matrix Spike Duplicate

TPH - Total Petroleum Hydrocarbons

TABLE 2

SUMMARY OF ANALYTICAL METHODS, HOLDING TIME PERIODS, AND PRESERVATIVES  
 DIESEL SITE INVESTIGATION - SEPTEMBER 2010  
 DIXON SITE OCALA MEADOWS - DIXON, CALIFORNIA

<i>Parameter</i>	<i>Method</i> <sup>1</sup>	<i>Matrix</i>	<i>Holding Time</i>	<i>Preservation</i>
TPH as Diesel	SW-846 8015 Modified	Water	- 7 days from sample collection to extraction - 40 days from extraction to completion of analysis	Iced, 4 ± 2° C

Notes

<sup>1</sup> Method References:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, 3rd Edition, and Promulgated updates, November 1986

TPH - Total Petroleum Hydrocarbons



APPENDIX G  
RESIDUAL CONTAMINANT MASS CALCULATIONS

## APPENDIX G

### RESIDUAL MASS CALCULATIONS

As stipulated in the November 12, 2009 correspondence from Solano County Department of Resource Management, CRA has prepared calculations of residual hydrocarbon mass remaining in the soil and groundwater for inclusion as an appendix to the *Additional Site Investigation Report*.

### ASSUMPTIONS

For the mass calculation, CRA made the following assumptions:

- 1) The lateral extent of impacted soil that remains on-Site is the limit of the excavation area. It is probable that impacted soil was left in place outside the excavation limits and that clean soil was in place beneath part of the excavation limit.
- 2) The vertical extent of impacted soil is uniform throughout the excavation area. The vertical extent of impacted soil on-Site was recently determined with a boring installed through the center of the former AST area and sampled every five vertical feet, down to a depth of 35 feet below grade (fbg).
- 3) No distinction was made between fresh diesel, which showed up as total petroleum hydrocarbons as diesel (TPH<sub>d</sub>) when samples were analyzed, and weathered diesel, which showed up as an unknown hydrocarbon when samples were analyzed.

### *Surface Area of Excavation Limits*

The surface area within the excavation limits can be approximated by a rectangle that is 41 feet in the east-west direction and 33 feet in the north-south direct (see Figure G-1). The approximate surface area of this rectangle is 1,353 square feet (ft<sup>2</sup>).

### *Volume of Impacted Soil Remaining*

The potential volume of impacted soil remaining at the Site can be estimated by multiplying the excavation area by the depth of impact remaining. Given the recent vertical TPH<sub>d</sub> profile, CRA assumed the impacted depth equals 2.7 feet (ft), this being the vertical length of the boring where petroleum odors were observed. Therefore:

Impacted Soil Volume Remaining = 2.7-ft \* 1,353-ft<sup>2</sup> = 3,653-ft<sup>3</sup>

### **HOW MUCH DIESEL THE IMPACTED SOIL CAN CONTAIN**

Assuming a total soil porosity of 0.4, the volume of the void space in the remaining impacted soil can be estimated as follows:

Impacted Void Space Remaining = 3,653-ft<sup>3</sup> \* 0.4 = 1,461-ft<sup>3</sup>

Total petroleum hydrocarbon (TPH) soil concentrations can be converted to light non-aqueous phase liquid (LNAPL) saturations (% of pore space filled with LNAPL) by the following calculation:

$$S_o = \frac{[TPH]}{10^6} \cdot \frac{\rho_{fb}}{\rho_o} \cdot \Theta^{-1}$$

Where:

$S_o$  = LNAPL saturation (fraction of pore space filled with LNAPL)

$[TPH]$  = total petroleum hydrocarbon soil concentration (mg/kg)

$\rho_{fb}$  = soil bulk density

$\rho_o$  = LNAPL/oil density

$\Theta$  = total soil porosity

The LNAPL saturation represented by the remaining TPH concentrations can be estimated by the calculation above. Because of the nature of these types of estimates, and the observed variability in the measured concentrations, this estimate will have a large potential error associated with it.

### **ESTIMATE OF IMPACT REMAINING**

In the following calculations, it is assumed that the concentration of diesel in impacted soil remaining on-Site is the average of all the diesel concentrations detected in soil samples collected from a depth of 20 fbg. The locations where these samples were collected are shown on Figure G-2.

20 fbg is the maximum depth of the excavation. Soil samples collected from above this depth in the excavation area were either clean (the detectable concentration of TPH<sub>d</sub> was below 100 mg/kg), or taken from soil which was removed during excavation activities.

Table G-1 below presents the sample IDs for soil samples collected from 20 fbg and the detected diesel concentrations. No distinction has been made between whether soil samples contained concentrations of fresh diesel (TPH<sub>d</sub>) or weathered diesel (unknown hydrocarbon).

Table G-1. Concentrations in Soil Samples Collected from 20 Feet Below Grade

Sample ID	Diesel Concentration (mg/kg)
EB-112906-001	1,800
WB-1112906-002	10
WS20-121506-TR	150
SSA20-121506-TR	78
SSB20-121506-TR	25
ES20-121506-TR	33
S-121509-RTS-1	13,000

The average diesel concentration in soil samples collected from 20 fbg is 2,157 mg/kg.

Assuming a soil porosity of 0.4, an LNAPL specific gravity of 0.82, and a soil bulk density of 1.6, the following LNAPL saturation estimate can be calculated:

$$S_o = \frac{2,157}{10^6} \cdot \frac{1.6}{0.82} \cdot 0.4^{-1} = 0.0105 = 1.05\%$$

The previously calculated LNAPL saturation can then be used to estimate how much of the void space is filled with LNAPL as follows:

$$\text{Impacted Void Space Filled with LNAPL} = 1,461\text{-ft}^3 \cdot 0.0105 = 15.3\text{-ft}^3 = 114.4 \text{ gal}$$

Assuming a specific gravity of 0.82 and the density of water (8.34 lb/gal), the mass of diesel remaining based on the average of 2,157 mg/kg TPH<sub>d</sub> value can be calculated as follows:

$$\text{Mass of Diesel Potentially Remaining} = 114.4 \text{ gal} \cdot 8.34 \frac{\text{lb}}{\text{gal}} \cdot 0.82 = 782 \text{ lb}$$

### ESTIMATE OF IMPACT REMOVED

CRA oversaw the removal of 926 cubic yards (yd<sup>3</sup>) of soil on November 26, 2006. Assuming that there are 2,800 lbs in yds<sup>3</sup> of soil, the total mass of soil removed from Site can be calculated using the equation below:

$$\text{total mass of soil removed} = 926 \cdot 2,800 = 2,592,800 \text{ lbs}$$

A six point composite sample was collected from the stockpile of impacted soil before it was removed from the Site. The TPH<sub>d</sub> concentration was 6,400 mg/kg or 6,400 ppm. In the calculation below it is assumed that this concentration is representative of all the soil removed from the Site.

$$\text{total mass of diesel removed} = 2,592,800 \cdot \frac{6,400}{1,000,000} = 16,594 \text{ lbs}$$

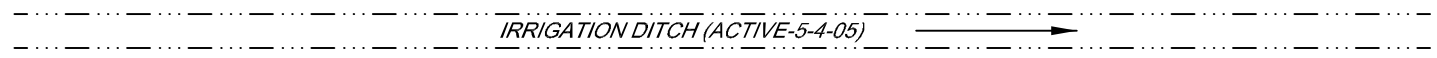
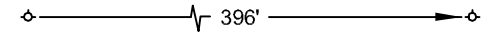
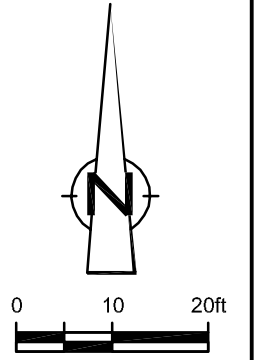
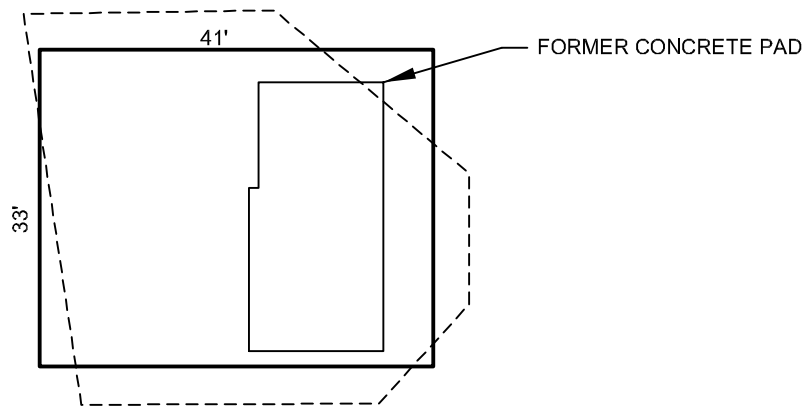
### PERCENT OF MASS REMAINING

Given that 891 lbs of impact remain and 16,594 lbs of diesel were removed, the percent of mass of diesel which remains is calculated below.

$$\text{percent of diesel mass remaining} = \frac{782}{782 + 16,594} \cdot 100 = 4.5 \%$$

### REFERENCES

American Society for Testing and Materials (ASTM). ASTM International Standard E2531-06: Standard Guide for Development of Conceptual Site Models and Remediation Strategies for Light Nonaqueous-Phase Liquids Released to the Subsurface (February, 2007).



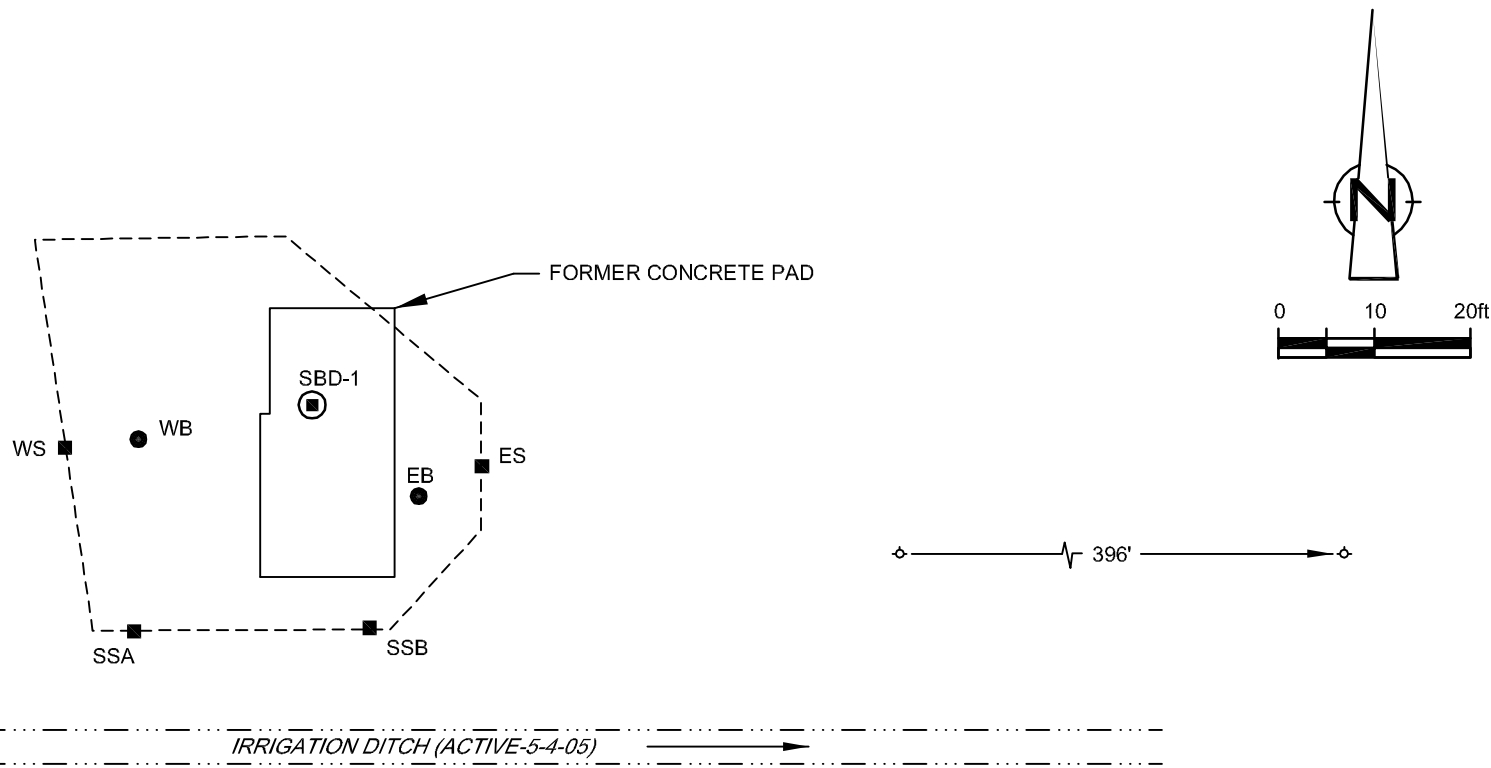
LEGEND

- ⊕ POWER POLE
- EXCAVATION LIMIT

figure G-1

DIMENSIONS OF EXCAVATION AREA  
 MISTLER SITE  
 Dixon, California





**LEGEND**

- BOTTOM SAMPLES (20' bgs - NOVEMBER 2006)
- SIDEWALL SAMPLES (20' bgs - NOVEMBER 2006)
- ⊠ SBD-1 BORING LOCATION
- ⊕ POWER POLE
- - - - EXCAVATION LIMIT

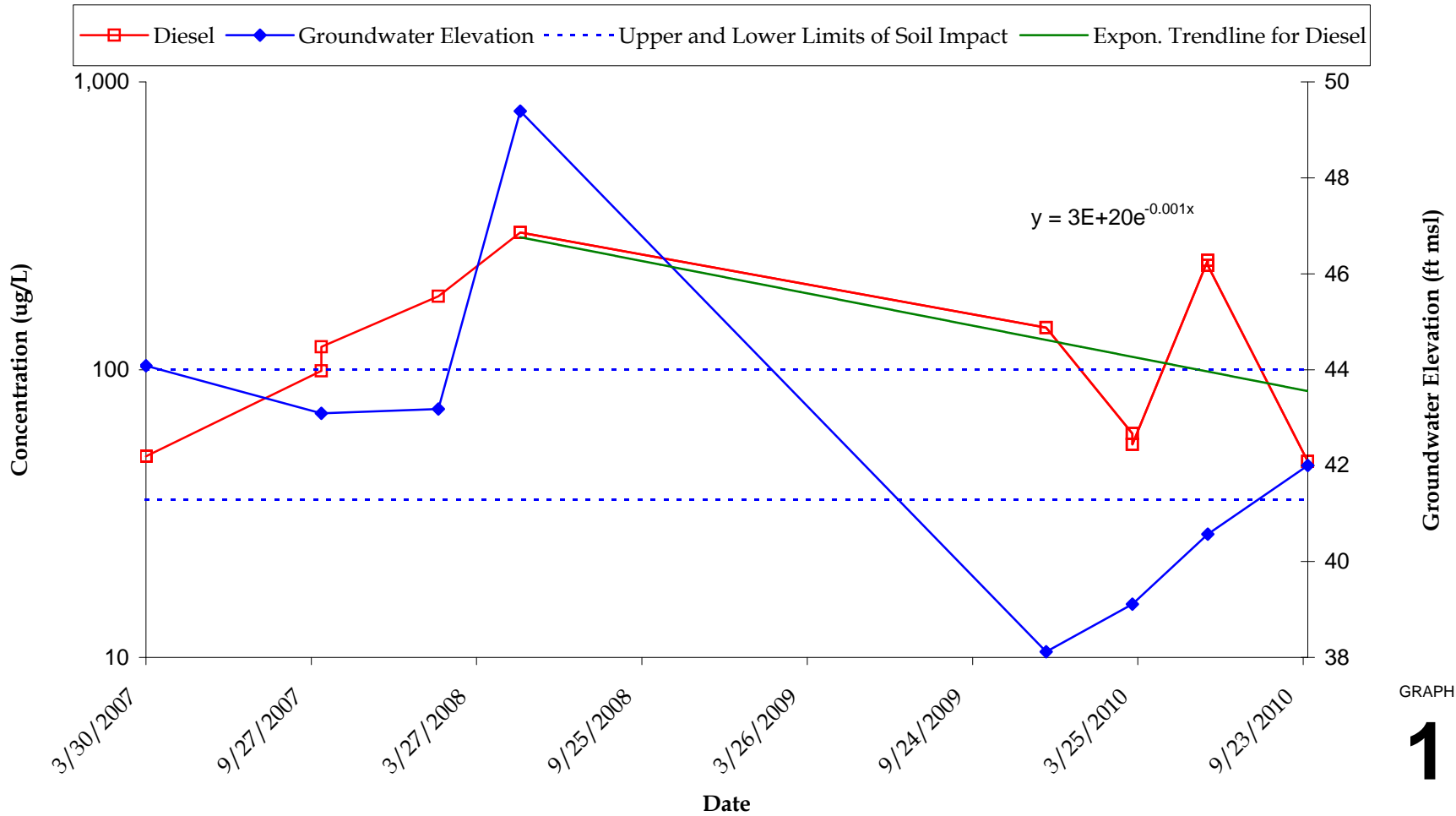
figure G-2  
 SOIL SAMPLE COLLECTION LOCATIONS AT  
 20 FEET BELOW GRADE  
 MISTLER SITE  
 Dixon, California



APPENDIX H

MW-2 CONCENTRATION AND GROUNDWATER ELEVATION VS. TIME





GRAPH  
**1**

**Former AST Area**  
 8405 Pedrick Road  
 Dixon, California



**MW-2 Concentration and  
 Groundwater Elevation vs.  
 Time**

APPENDIX I  
MATERIAL SAFETY DATA SHEET



<b>WHMIS (Pictograms)</b>	<b>WHMIS (Classification)</b>	<b>Protective Clothing</b>	<b>TDG (pictograms)</b>
	<b>B-3, D-2B</b>		

<b>Section 1. Chemical Product and Company Identification</b>	
<b>Product Name</b> DIESEL FUEL	<b>Code</b> W104, W293; SAP: 120, 121, 122, 287
<b>Synonym</b> Seasonal Diesel, #1 Diesel, #2 Heating Oil, #1 Heating Oil, D50, P50, Arctic Diesel, Farm Diesel, Marine Diesel, Low Sulphur Diesel, LSD, Ultra Low Sulphur Diesel, ULSD, Mining Diesel, Naval Distillate, Dyed Diesel, Marked Diesel, Coloured Diesel	<b>Validated on</b> 2/5/2007.
<b>Manufacturer</b> PETRO-CANADA P.O. Box 2844 150 – 6th Avenue South-West Calgary, Alberta T2P 3E3	<b>In case of Emergency</b> Petro-Canada: 403-296-3000 Canutec Transportation: 613-996-6666 Poison Control Centre: Consult local telephone directory for emergency number(s).
<b>Material Uses</b> Diesel fuels are distillate fuels suitable for use in high and medium speed internal combustion engines of the compression ignition type. Mining Diesel has a higher flash point requirement, for safe use in underground mines.	

<b>Section 2. Composition and Information on Ingredients</b>					
			<i>Exposure Limits (ACGIH)</i>		
<b>Name</b>	<b>CAS #</b>	<b>% (V/V)</b>	<b>TLV-TWA(8 h)</b>	<b>STEL</b>	<b>CEILING</b>
Distillates (petroleum), hydrodesulfurized middle	64742-80-9	100	Not established	Not established	Not established
Kerosine (petroleum), hydrodesulfurized	64742-81-0		200 mg/m <sup>3</sup>	Not established	Not established
Fuels, diesel	68334-30-5		100 mg/m <sup>3</sup>	Not established	Not established
Fuel oil no. 2	68476-30-2		100 mg/m <sup>3</sup>	Not established	Not established
<b>Manufacturer Recommendation</b>	Avoid prolonged or repeated skin contact to diesel fuels which can lead to dermal irritation and may be associated with an increased risk of skin cancer.				
<b>Other Exposure Limits</b>	Consult local, state, provincial or territory authorities for acceptable exposure limits.				

<b>Section 3. Hazards Identification.</b>	
<b>Potential Health Effects</b>	Combustible liquid. Exercise caution when handling this material. Contact with this product may cause skin and eye irritation. Prolonged or repeated contact may cause skin irritation, defatting, drying and dermatitis. Inhalation of this product may cause respiratory tract irritation and Central Nervous System (CNS) Depression, symptoms of which may include; weakness, dizziness, slurred speech, drowsiness, unconsciousness and in cases of severe overexposure; coma and death. Ingestion of this product may cause gastro-intestinal irritation. Aspiration of this product may result in severe irritation or burns to the respiratory tract. For more information refer to Section 11 of this MSDS.

<b>Section 4. First Aid Measures</b>	
<b>Eye Contact</b>	Avoid direct contact. Quickly and gently blot or brush away chemical. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes or until the chemical is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately.
<b>Skin Contact</b>	Avoid direct contact. Wear chemical resistant protective clothing if necessary. Quickly and gently, blot or brush away excess chemical. Wash gently and thoroughly with warm water and non-abrasive soap for 15-20 minutes or until chemical is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g., watch bands, belts, etc.). Obtain medical attention immediately. Completely decontaminate clothing, shoes and leather goods before reuse or discard.
<b>Inhalation</b>	Take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). If breathing has stopped, trained personnel should begin artificial respiration (AR) or, if the heart has stopped, cardiopulmonary resuscitation (CPR) immediately. Immediately transport victim to an emergency care facility.

**Ingestion** NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink 240 to 300 mL (8 to 10 oz) of water to dilute material in stomach. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Repeat administration of water. If breathing has stopped, trained personnel should begin artificial respiration (AR) or, if the heart has stopped, cardiopulmonary resuscitation (CPR) immediately. Quickly transport victim to an emergency care facility.

**Note to Physician** Not available.

### Section 5. Fire-fighting Measures

<b>Flammability</b>	Combustible liquid.	<b>Flammable Limits</b>	Lower: 0.7% Upper: 6%
<b>Flash Points</b>	Diesel Fuel: Closed Cup: $\geq 45^{\circ}\text{C}$ (113°F) Marine Diesel Fuel: Closed Cup: $\geq 64^{\circ}\text{C}$ (147°F) Mining Diesel: Closed Cup: $\geq 52^{\circ}\text{C}$ (126°F)	<b>Auto-Ignition Temperature</b>	225°C (437°F)
<b>Fire Hazards in Presence of Various Substances</b>	Flammable in presence of open flames, sparks, and heat. Vapours are heavier than air and may travel considerable distance to sources of ignition and flash back. This product can accumulate static charge and ignite.	<b>Explosion Hazards in Presence of Various Substances</b>	Containers may explode in heat of fire. Do not cut, weld, heat, drill or pressurize empty container. Runoff to sewer may create fire or explosion hazard.
<b>Products of Combustion</b>	Carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO <sub>x</sub> ), sulphur oxides (SO <sub>x</sub> ), sulphur compounds (H <sub>2</sub> S), smoke and irritating vapours as products of incomplete combustion. See Section 11 (Other Considerations) for information regarding the toxicity of the combustion products.		
<b>Fire Fighting Media and Instructions</b>	<p>NAERG2004, GUIDE 128, Flammable liquids (Non-polar/Water-immiscible). CAUTION: This product has a moderate flash point above 40°C: Use of water spray when fighting fire may be inefficient.</p> <p>If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions.</p> <p>SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam. LARGE FIRES: Water spray, fog or regular foam. Do not use straight streams. Move containers from fire area if you can do it without risk. Fires Involving Tanks or Car/Trailer Loads: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.</p> <p>Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting devices or any discolouration of tank. ALWAYS stay away from the ends of tanks. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.</p>		

### Section 6. Accidental Release Measures

<b>Material Release or Spill</b>	Consult current National Emergency Response Guide Book (NAERG) for appropriate spill measures if necessary. IN THE EVENT OF A LARGE SPILL CONSIDER THE FOLLOWING CONTROL MEASURES: Extinguish all ignition sources. Evacuate non-essential personnel. Ventilate area. Stop leak if safe to do so. Dike spilled material. Use appropriate inert absorbent material to absorb spilled product. Collect used absorbent for later disposal. Ground and bond all equipment used to clean up the spilled material, as it may be a static accumulator. Avoid contact with spilled material. Avoid breathing vapours or mists of material. Avoid contaminating sewers, streams, rivers and other water courses with spilled material. Notify appropriate authorities immediately. Ensure clean-up personnel wear appropriate personal protective equipment.
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### Section 7. Handling and Storage

<b>Handling</b>	COMBUSTIBLE MATERIAL. Handle with care. Avoid contact with any sources of ignition, flames, heat, and sparks. Ensure all equipment is grounded/bonded. Avoid skin contact. Avoid eye contact. Avoid inhalation of product vapours or mists. Wear proper personal protective equipment (See Section 8). Avoid confined spaces and areas with poor ventilation. Empty containers may contain product residue. Do not pressurize, cut, heat, or weld empty containers. Do not reuse containers without commercial cleaning and/or reconditioning. Personnel who handle this material should practice good personal hygiene during and after handling to help prevent accidental ingestion of this product. Properly dispose of contaminated leather articles including shoes that cannot be decontaminated.
<b>Storage</b>	Store away from heat and sources of ignition. Store in dry, cool, well-ventilated area. Store away from incompatible and reactive materials (See section 5 and 10). Ensure the storage containers are grounded/bonded.

**Section 8. Exposure Controls/Personal Protection**

**Engineering Controls** For normal application, special ventilation is not necessary. If user's operations generate vapours or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Make-up air should always be supplied to balance air removed by exhaust ventilation. Ensure that eyewash station and safety shower are close to work-station.

**Personal Protection - *The selection of personal protective equipment varies, depending upon conditions of use.***

**Eyes** As a minimum, safety glasses with side shields should be worn when handling this material. If product is used in an application where splashing may occur, the use of safety goggles and/or a face shield should be considered.

**Body** If this material may come in contact with the body during handling and use, we recommend wearing appropriate protective clothing to prevent contact with the skin. (Contact your PPE provider for more information.)

**Respiratory** A NIOSH-approved air-purifying respirator with an organic vapour cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive-pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstances where air-purifying respirators may not provide adequate protection.

**Hands** If this material may come in contact with the hands during handling and use, we recommend wearing gloves of the following material(s): nitrile, neoprene, polyvinyl alcohol (PVA), fluoro-elastomer. Consult your PPE provider for breakthrough times and the specific glove that is best for you based on your use patterns. It should be realized that eventually any material regardless of their imperviousness, will get permeated by chemicals. Therefore, protective gloves should be regularly checked for wear and tear. At the first signs of hardening and cracks, they should be changed.

**Feet** Wear appropriate footwear to prevent product from coming in contact with feet and skin.

**Section 9. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	Bright oily liquid.	<b>Viscosity</b>	1.3 - 4.4 cSt @ 40°C (104°F)
<b>Colour</b>	Clear to yellow / brown (may be dyed for taxation purposes).	<b>Pour Point</b>	Not available.
<b>Odour</b>	Mild petroleum oil like.	<b>Softening Point</b>	Not available.
<b>Odour Threshold</b>	Not available.	<b>Dropping Point</b>	Not available.
<b>Boiling Point</b>	150 to 371°C (302 to 699.8°F)	<b>Penetration</b>	Not available.
<b>Density</b>	0.8 to 0.88 kg/L @ 15°C (59°F)	<b>Oil / Water Dist. Coefficient</b>	Not available.
<b>Vapour Density</b>	4.5 [Air = 1]	<b>Ionicity (in water)</b>	Not available.
<b>Vapour Pressure</b>	1 kPa (7.5 mm Hg) @ 20°C (68°F)	<b>Dispersion Properties</b>	Not available.
<b>Volatility</b>	Semivolatile to volatile.	<b>Solubility</b>	Insoluble in cold water, soluble in non-polar hydrocarbon solvents.

**Section 10. Stability and Reactivity**

<b>Corrosivity</b>	Not available.		
<b>Stability</b>	The product is stable under normal handling and storage conditions.	<b>Hazardous Polymerization</b>	Will not occur under normal working conditions.
<b>Incompatible Substances / Conditions to Avoid</b>	Reactive with oxidizing agents and acids.	<b>Decomposition Products</b>	May release COx, NOx, SOx, H2S, smoke and irritating vapours when heated to decomposition.

**Section 11. Toxicological Information**

<b>Routes of Entry</b>	Skin contact, eye contact, inhalation and ingestion.		
<b>Acute Lethality</b>	Acute toxicity information is not available for the product as a whole, therefore, data for some of the ingredients is provided below:  <b><u>Distillates (petroleum), hydrodesulfurized middle (64742-80-9):</u></b> Acute Inhalation toxicity (LC50): 4600 mg/m <sup>3</sup> /4h (rat)  <b><u>Kerosine (petroleum), hydrosulfurized (64742-81-0):</u></b> Acute Oral toxicity (LD50): >5000 mg/kg (rat) Acute Dermal toxicity (LD50): >2000 mg/kg (rabbit) Acute Inhalation toxicity (LC50): >5000 mg/m <sup>3</sup> /4h (rat)  <b><u>Fuels, diesel (68334-30-5):</u></b> Acute Oral toxicity (LD50): 7500 mg/kg (rat) Acute Dermal toxicity (LD50): 24500 mg/kg (mouse)		

**Fuel oil no. 2 (68476-30-2):**

Acute Oral toxicity (LD50): 12000 mg/kg (rat)

**Chronic or Other Toxic Effects**

Dermal Route:	This product contains a component (at $\geq 1\%$ ) that can cause skin irritation. Therefore, this product is considered to be a skin irritant. Prolonged or repeated contact may defat and dry skin, and cause dermatitis. (See Other Considerations)
Inhalation Route:	Inhalation of this product may cause respiratory tract irritation. Inhalation of this product may cause Central Nervous System (CNS) Depression, symptoms of which may include; weakness, dizziness, slurred speech, drowsiness, unconsciousness and in cases of severe overexposure; coma and death.
Oral Route:	Ingestion of this product may cause gastro-intestinal irritation. Aspiration of this product may result in severe irritation or burns to the respiratory tract. Ingestion of this product may cause Central Nervous System (CNS) Depression, symptoms of which may include; weakness, dizziness, slurred speech, drowsiness, unconsciousness and in cases of severe overexposure; coma and death.
Eye Irritation/Inflammation:	Short-term exposure is expected to cause only slight irritation, if any.
Immunotoxicity:	Not available.
Skin Sensitization:	Contact with this product is not expected to cause skin sensitization, based upon the available data and the known hazards of the components.
Respiratory Tract Sensitization:	Contact with this product is not expected to cause respiratory tract sensitization, based upon the available data and the known hazards of the components.
Mutagenic:	This product is not known to contain any components at $\geq 0.1\%$ that have been shown to cause mutagenicity. Therefore, based upon the available data and the known hazards of the components, this product is not expected to be a mutagen.
Reproductive Toxicity:	This product is not known to contain any components at $\geq 0.1\%$ that have been shown to cause reproductive toxicity. Therefore, based upon the available data and the known hazards of the components, this product is not expected to be a reproductive toxin.
Teratogenicity/Embryotoxicity:	This product is not known to contain any components at $\geq 0.1\%$ that have been shown to cause teratogenicity and/or embryotoxicity. Therefore, based upon the available data and the known hazards of the components, this product is not expected to be a teratogen/embryotoxin.
Carcinogenicity (ACGIH):	Considered to be A3 by the ACGIH (Kerosine (petroleum), hydrodesulfurized; Fuels, diesel; Fuel oil no. 2) (See Other Considerations)
Carcinogenicity (IARC):	This product is not known to contain any chemicals at reportable quantities that are listed as group 1, 2A or 2B carcinogens by IARC.
Carcinogenicity (NTP):	This product is not known to contain any chemicals at reportable quantities that are listed as carcinogens by NTP.
Carcinogenicity (IRIS):	This product is not known to contain any chemicals at reportable quantities that are listed as carcinogens by IRIS.
Carcinogenicity (OSHA):	This product is not known to contain any chemicals at reportable quantities that are listed as carcinogens by OSHA.
<b>Other Considerations</b>	Avoid prolonged or repeated skin contact to diesel fuels which can lead to dermal irritation and may be associated with an increased risk of skin cancer. Diesel engine exhaust particulate is probably carcinogenic to humans (IARC Group 2A).

**Section 12. Ecological Information**

<b>Environmental Fate</b>	Not available.	<b>Persistence/Bioaccumulation Potential</b>	Not available.
<b>BOD5 and COD</b>	Not available.	<b>Products of Biodegradation</b>	Not available.
<b>Additional Remarks</b> No additional remark.			

**Section 13. Disposal Considerations**

**Waste Disposal** Spent/ used/ waste product may meet the requirements of a hazardous waste. Consult your local or regional authorities. Ensure that waste management processes are in compliance with government requirements and local disposal regulations.

**Section 14. Transport Information**

<b>TDG Classification</b>	DIESEL FUEL, 3, UN1202, PGIII (CL-TDG)	<b>Special Provisions for Transport</b>	See Transportation of Dangerous Goods Regulations.
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**Section 15. Regulatory Information**

**Other Regulations** This product is acceptable for use under the provisions of WHMIS-CPR. All components of this formulation are listed on the CEPA-DSL (Domestic Substances List).

All components of this formulation are listed on the US EPA-TSCA Inventory.

All components of this product are on the European Inventory of Existing Commercial Chemical Substances (EINECS).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Please contact Product Safety for more information.

<b>DSD/DPD (Europe)</b>	Not evaluated.	<b>HCS (U.S.A.)</b>	CLASS: Irritating substance. CLASS: Target organ effects. CLASS: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).
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<b>ADR (Europe) (Pictograms)</b>	NOT EVALUATED FOR EUROPEAN TRANSPORT NON ÉVALUÉ POUR LE TRANSPORT EUROPÉEN.	<b>DOT (U.S.A) (Pictograms)</b>	Not evaluated for transport Non évalué pour le transport
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<b>HMIS (U.S.A.)</b>	<table border="1"> <tr> <td><b>Health Hazard</b></td> <td>2*</td> </tr> <tr> <td><b>Fire Hazard</b></td> <td>2</td> </tr> <tr> <td><b>Reactivity</b></td> <td>0</td> </tr> <tr> <td><b>Personal Protection</b></td> <td>H</td> </tr> </table>	<b>Health Hazard</b>	2*	<b>Fire Hazard</b>	2	<b>Reactivity</b>	0	<b>Personal Protection</b>	H	<b>NFPA (U.S.A.)</b>	<table border="1"> <tr> <td>Health</td> <td>2</td> <td>Fire Hazard</td> <td>2</td> </tr> <tr> <td></td> <td></td> <td>Reactivity</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td>Specific hazard</td> <td></td> </tr> </table>	Health	2	Fire Hazard	2			Reactivity	0			Specific hazard		<b>Rating</b>	0 Insignificant 1 Slight 2 Moderate 3 High 4 Extreme
<b>Health Hazard</b>	2*																								
<b>Fire Hazard</b>	2																								
<b>Reactivity</b>	0																								
<b>Personal Protection</b>	H																								
Health	2	Fire Hazard	2																						
		Reactivity	0																						
		Specific hazard																							

**Section 16. Other Information**

**References** Available upon request.  
\* Marque de commerce de Petro-Canada - Trademark

**Glossary**

ACGIH - American Conference of Governmental Industrial Hygienists	HCS - Hazardous Communication System
ADR - Agreement on Dangerous goods by Road (Europe)	HMIS - Hazardous Material Information System
ASTM - American Society for Testing and Materials	IARC - International Agency for Research on Cancer
BOD5 - Biological Oxygen Demand in 5 days	IRIS - Integrated Risk Information System
CAS - Chemical Abstract Services	LD50/LC50 - Lethal Dose/Concentration kill 50%
CEPA - Canadian Environmental Protection Act	LDLo/LCLo - Lowest Published Lethal Dose/Concentration
CERCLA - Comprehensive Environmental Response, Compensation and Liability Act	NFPA - National Fire Prevention Association
CFR - Code of Federal Regulations	NIOSH - National Institute for Occupational Safety & Health
CHIP - Chemical Hazard Information and Packaging Approved Supply List	NPRI - National Pollutant Release Inventory
COD - Chemical Oxygen Demand	NSNR - New Substances Notification Regulations (Canada)
CPR - Controlled Products Regulations	NTP - National Toxicology Program
DOT - Department of Transportation (U.S.A.)	OSHA - Occupational Safety & Health Administration
DSCL - Dangerous Substances Classification and Labeling (Europe)	PEL - Permissible Exposure Limit
DSD/DPD - Dangerous Substance or Dangerous Preparations Directives (Europe)	RCRA - Resource Conservation and Recovery Act
DSL - Domestic Substance List (Canada)	SARA - Superfund Amendments and Reorganization Act
EEC/EU - European Economic Community/European Union	STEL - Short Term Exposure Limit (15 minutes)
EINECS - European Inventory of Existing Commercial Chemical Substances	TDG - Transportation Dangerous Goods (Canada)
EPCRA - Emergency Planning And Community Right-To-Know Act	TDLo/TCLo - Lowest Published Toxic Dose/Concentration
FDA - Food and Drug Administration	TLV-TWA - Threshold Limit Value-Time Weighted Average
FIFRA - Federal Insecticide, Fungicide, and Rodenticide Act	TLM - Median Tolerance Limit
	TSCA - Toxic Substances Control Act
	USEPA - United States Environmental Protection Agency
	USP - United States Pharmacopoeia
	WHMIS - Workplace Hazardous Material Information System

**For Copy of MSDS**

Prepared by Product Safety - JDW on 2/5/2007.

Internet: [www.petro-canada.ca/msds](http://www.petro-canada.ca/msds)

Canada-wide: telephone: 1-800-668-0220; fax: 1-800-837-1228

For Product Safety Information: (905) 804-4752

Data entry by Product Safety - JDW.

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*



APPENDIX J  
LIST OF REPORTS

## Appendix J

### Reports Submitted to LOP Regarding Former AST Area Former Mistler Farm Property Dixon, California

<i>Report List for Former Mistler Trucking Co. (SL0609748481)</i>	<i>Date</i>
Groundwater Monitoring - Second Quarter 2010	August 6, 2010
Groundwater Monitoring - First Quarter 2010	April 20, 2010
Additional Site Investigation Report	March 3, 2010
Technical Memorandum in Response to Solano County April 22, 2008 Correspondence and Workplan for Additional Site Investigation	October 30, 2009
Request for Closure Letter	February 17, 2009
Addendum to Fourth Quarter 2007/2008 Groundwater Monitoring Report and Sensitive Receptor Survey	October 10, 2008
Fourth Quarter 2007/2008 Groundwater Monitoring Report	September 16, 2008
Sensitive Receptor Survey Report	September 16, 2008
Third Quarter 2007/2008 Groundwater Monitoring Report	March 28, 2008
Second Quarter 2007/2008 Groundwater Monitoring Report	November 29, 2007
Site Remedial Action Report	July 27, 2007
Addendum to Site Remedial Action Workplan	May 10, 2006
Site Remedial Action Workplan	August 31, 2005

February 2, 2015

Ms. Misty C. Kaltreider, PG, CEG  
Solano County Department of Resource Management  
675 Texas Street, Suite 5500  
Fairfield, CA 94533

**SITE:** SCDRM File No. 29-80336; Geotracker Global ID SL0609748481  
Former Mistler Farm Property  
8405 Pedrick Road  
Dixon, CA

**RE:** Remediation Action Plan for Mistler Farm Landfill & Refuse Area

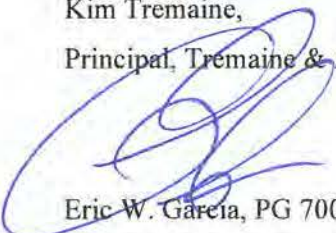
Dear Ms. Kaltreider,

Tremaine & Associates, Inc. (Tremaine) and Quest GeoSystems Management, Inc. (Quest GSM) have prepared the attached Remedial Action Plan (RAP) on behalf of The Stronach Group for the above-referenced Site. The scope of work presented in attached RAP was prepared consistent with State and local guidelines, and with generally accepted environmental consulting principles and practices. Tremaine and Quest GSM appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please contact Ms. Kim Tremaine at (707) 333-5288.

Sincerely,



Kim Tremaine,  
Principal, Tremaine & Associates, Inc.



Eric W. Garcia, PG 7007, CHG 765, CEG 2230  
Principal Geologist, Quest GeoSystems Management, Inc.

Enclosed: Remediation Action Plan (RAP) for Mistler Farm Landfill & Refuse Area  
cc: Mr. Lyle Strachan, The Stronach Group  
File

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REMEDIAL ACTION PLAN (RAP)  
FOR  
Mistler Farm Landfill & Refuse Area

Former Mistler Farm Property  
8405 Pedrick Road  
Dixon, CALIFORNIA

Prepared for: Mr. Lyle Strachan,  
The Stronach Group  
455 Magna Drive  
Aurora, Ontario, Canada  
L4G 7A9

Prepared by:  
TREMAINE & ASSOCIATES, INC.  
1220 Smith Court  
Dixon, CA 95620

AND

Quest GeoSystems Management, Inc.  
11275 Sunrise Gold Circle, Suite R  
Rancho Cordova, CA 95742

February 2, 2015

QUEST GSM #G01012014-01

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## EXECUTIVE SUMMARY

Tremaine & Associates, Inc. conducted a geophysical investigation for the Mistler Farm landfill per a Refuse Area Exploratory Work Plan (Work Plan) approved by the Solano County Department of Resource Management (SCDRM) [9 April 2014]. This work was conducted on behalf of The Stronach Group for the above referenced Site located in Solano County, California. The objective was to identify the vertical and lateral extent of debris contained within the former abandoned landfill to assist in the preparation of a Remediation Action Plan (RAP) by Quest GeoSystems Management Inc. (Quest), while helping to minimize the risk of creating secondary contamination during required excavation, transport, and off-site disposal of identified refuse materials.

An electromagnetic induction survey was conducted over an area 240 feet long by 180 feet wide at the purported landfill location on April 30<sup>th</sup> 2014. Apparent Conductivity (AC) and Magnetic Susceptibility (MS) data were collected in sync with GPS coordinates. Signal responses were recorded at a sampling rate of three-to-five points per linear meter. Survey lines were spaced one meter apart, achieving sufficient data density to map both lateral and vertical variability across the site. Five sample sets were collected, acquiring data in transects oriented along both the north-south and east-west axes. Just over 335,000 EM readings were gathered.

Analyses focused on discerning differences in the responses of AC and MS values across space, both horizontally and vertically, relative to the background matrix. Discrete clusters of data points, or anomalies contrasting with background values, were identified as possible loci of interest. Interpretations were made taking into account existing contextual information such as aerial photographs, historic maps, knowledge regarding the local geology and soils, and the background matrix (assumed to represent the landscape/landforms). Horizontal depth slices were derived using inverse modeling algorithms to develop best-fit representations of the layered earth structure and buried objects.

Magnetic susceptibility results showed anomalies likely to represent metallic objects scattered throughout the area believed to be the former landfill. These could be seen in all three of the instrument's receivers, suggesting depths to at least 6 meters (19.7 feet). The areas surveyed outside the landfill zone appeared to be comparatively clean. Apparent conductivity results were consistent with the MS results. Boundaries for the landfill, based on the combined results of the various sample sets, were revised to encompass a slightly larger area than previously estimated.

A RAP was developed on the basis of the geophysical findings. It proposes to excavate an estimated 5,200 cubic yards of deposit. Materials will be stockpiled according to standard waste classifications. Methods and guidelines for sorting and segregation are presented, along with plans for onsite recycling/reuse and off-site disposal. This work will be implemented according to environmental compliance regulations following a detailed Health and Safety Plan. A Sampling and Analysis Plan is included to guide the

work as well. The site will be backfilled to site grade upon reaching confirmation of the remedial goals using appropriate fill materials. Lastly, a technical report will be prepared documenting the results and findings of the investigation.

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### APPENDICES

Appendix A	Services Classes
Appendix B	Site-Specific Health & Safety Plan (HASp)

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## LIMITATIONS

This work was intended to be an interactive process. Additional work may be required to more fully assess the extent of Constituent of Concern (COC's) in soil and groundwater. The purpose of a geological/hydrogeologic study is to reasonably characterize existing site conditions based on the geology/hydrogeology of the area. In performing such a study, it is understood that a balance must be struck between a reasonable inquiry into the site conditions and an exhaustive analysis of each conceivable environmental characteristic.

No investigation is thorough enough to describe all geologic/hydrogeologic conditions of interest at a given site. Conditions not identified during the study should not be construed as a guarantee of the absence of such conditions at the site, but rather a limitation of the scope of services performed within the scope, limitations, and cost of the work authorized by the client.

Geologic/hydrogeologic conditions may exist at the site that cannot be identified solely by visual observation. Where subsurface exploratory work is performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

Opinions and recommendations contained in the exploration report and RAP apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this work plan.


This work plan has been prepared by Tremaine & Associates, Inc. and Quest GeoSystems Management, Inc. for the exclusive use of The Stronach Group as it pertains to the Site located at 8405 Pedrick Road, Dixon, California. Our professional services were performed using the degree of care and skill ordinarily exercised under similar circumstances by other geologists and engineers practicing in this field. No warranty, expressed or implied, is made as to professional advice in this report. Any reliance on this report by a third party is at party's sole risk.



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2/17/2015

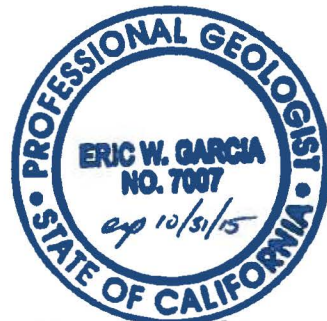
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## 1 INTRODUCTION

Tremaine & Associates, Inc. (Tremaine) conducted a geophysical investigation for the Mistler Farm landfill per a Refuse Area Exploratory Work Plan (Work Plan) approved by the Solano County Department of Resource Management (SCDRM) [9 April 2014]. This work was conducted on behalf of The Stronach Group for the above referenced Site located in Solano County, California (Figure 1). The objective was to identify the vertical and lateral extent of debris contained within the former abandoned landfill to assist in the preparation of a Remediation Action Plan (RAP) by Quest GeoSystems Management Inc. (Quest), while helping to minimize the risk of creating secondary contamination during required excavation, transport, and off-site disposal of identified refuse materials.

### 1.1 SITE LOCATION AND DESCRIPTION

The former landfill is located on a seven-acre rectangular tract of land (APN# 111-040-010) just northeast of the town of Dixon, approximately 2000 feet west of Pedrick Road and south of Interstate 80 (Figure 1). It is situated in the N  $\frac{1}{2}$  of the SW  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of Section 1, Township 7 North, Range 1 East of the Mount Diablo Baseline and Meridian, among nearly flat irrigated agricultural fields sloping gently to the southeast. The surface elevation is approximately 65 feet above mean sea level.

### 1.2 SITE HISTORY

AMEC Earth & Environmental (AMEC) conducted a Phase I Environmental Site Assessment in 2001. At that time, a residence, two barns, and an equipment repair building stood on the property. A small landfill occupied the western part of the Site and was identified as one of three potential areas of concern related to possible soil contamination. AMEC anticipated contents to be associated with farm operations that appear, from historic topographic maps and historic aerials, to have begun at the turn of the past century, including: domestic trash; building materials; and some automotive parts (e.g., batteries, cables, wires, oil filters, brake pads). Bobby Mistler, previous property owner, interviewed by AMEC, reported that unauthorized dumping of concrete roof tiles occurred in the more recent past.

In 2005, a Phase II soil investigation was conducted by CRA. Six exploratory trenches were excavated in the area of the former landfill helping to delineate the boundaries. Refuse was discovered to underlie an area elongated north/south, approximately 160 feet long by 40 feet wide (Figure 2). The sides of the refuse layer were found to slope down toward the center of the landfill. The base of the refuse was found to extend beyond 10 feet, the maximum reach of the backhoe.

Refuse observed in the trench included concrete roof tile, pieces of red clay pipe, bottles, and household items. One crushed 55-gallon drum was excavated during the investigation. Three soil samples were collected and analyzed for CAM17 metals by US EPA Methods 7471A and 6010B. Four metals (barium, chromium, nickel, and lead) were detected in concentrations exceeding the standard "Designated Level Methodology" criteria (CVRWQCB, 1989). CRA determined that because the metals did not occur in soluble form, they did not pose a threat to the groundwater. On this basis, they concluded that the landfill materials were nonhazardous.

SCDRM, in reviewing a request for case closure, determined that the limited landfill exploration and sampling conducted in 2005 was insufficient to characterize the subsurface extent and type of refuse and/or

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potential impact to soil, soil vapor, and groundwater. A geophysical investigation was recently conducted, as described below, to address this data gap.

## 2 GEOPHYSICAL INVESTIGATION

### 2.1 INVESTIGATION OBJECTIVES

The objective of this investigation was to provide non-invasive subsurface characterization of the buried landfill to assist in the preparation of a RAP, laying out the approach for excavation and removal of buried debris. The specific aims were to identify the vertical and lateral extent of the Refuse Area, as well as to identify variability in debris density across the site.

### 2.2 SCOPE OF WORK

A geophysical survey was conducted to accomplish the above outlined objectives. The scope of work included three of four typical stages of investigation: *detection*, *characterization*, and *interpretation* (see Appendix A: Description of Service Classes). The final fourth stage, *identification* or the physical confirmation of derived meaning, will be achieved through ground-truthing activities (excavation) during the planned Remediation Phase.

### 2.3 METHODS

#### 2.3.1 Geophysical Equipment

A towed frequency-domain electromagnetic induction (EMI) instrument, known as the *Discoverer*<sup>TM</sup>, was used, given its versatility and cost effectiveness. This unit consists of a transmitter and three receivers arrayed along a four-meter long boom supported on a wheeled non-metallic carriage (Figure 3). The transmitter, operating at 9.8 kHz, generates a primary magnetic field that penetrates the ground, in turn, inducing a secondary magnetic field. The receiver coils, subsequently detect two components of the induced response, apparent conductivity and magnetic susceptibility (see Figure 4 & discussion in following section: Properties Measured).

Bulk volume measurements representing three effective depths of investigation were be obtained (0-5 ft., 0-13 ft., and 0-23 ft., in vertical dipole mode). These depths are a function of the distances between the transmitter and receivers (similar to a Geonics instrument). Each measurement was tagged with locational information along the x, y, and z- axes using a Trimble MS 750 base station with RTK differential positioning and Ag214 GPS rover. Taken together this system produces cm-level accuracy along the horizontal axes and depending on soils and conditions 0.5 meters along the vertical axis.

#### 2.3.2 Properties Measured

*Apparent Conductivity* (AC) measures how well an electric current travels through a soil matrix. AC, measured in milliSiemens per meter (mS/m), is governed by factors of soil moisture, dissolved electrolytes in groundwater, soil/sediment grain size, temperature, compaction (porosity), and the surface chemistry of the clay fraction (McNeill 1980a & 1980b). Generally sands, gravels, and unweathered rock are poor conductors, in contrast to clays that are highly conductive (Figure 4).

*Magnetic Susceptibility* (MS), gauges the degree to which soil components or buried objects become magnetized by EMI. Variations in response, measured in parts per thousand (ppt), are primarily dependent

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on the types, oxidation state, and stability of magnetic iron minerals in soil, and on the presence and mobility of magnetic ions in solution. MS responses are governed by three factors in soil sediment contexts: the iron oxides inherited from parent rocks; enhancements through pedogenic processes; and anthropogenic causes (particularly burning).

### **2.3.3 Survey Area & Data Density**

Data were acquired over an area 240 feet long by 180 feet wide, large enough to ensure coverage of the purported landfill dimensions and beyond (Figure 5). These dimensions, being slightly greater than the extent of expected buried debris, were covered in order to capture potential contrasting subsurface properties that might help with interpretation. Signal responses were recorded at a sampling rate of three-to-five points per linear meter. Survey lines were spaced one meter apart, achieving sufficient data density to map both lateral and vertical variability across the site. Five sample sets were collected, acquiring data in transects oriented along both the north-south and east-west axes (Figure 6). Just over 335,000 EM readings were gathered.

### **2.3.4 Survey Conditions & Procedures**

The survey was conducted by John Lopez and Kim Tremaine on April 30th of 2014, under the direction of Martin Miele (responsible charge of geophysics). Weather conditions provided dry ground and moderate temperatures. An average of nine GPS satellites were available. A GPS base station was placed (38 28° 37.0390 North, 121 48° 39.8632 West). Horizontal Position Dilution of Precision was excellent, ranging from 1.0 to 1.7. Initial calibration and functional tests of the instrument were completed at this location. The gain or sensitivity setting for each of the receivers was set dependent upon local responses. Surface conditions at the time of survey were dry and barren (Figure 7).

### **2.3.5 Processing & Analyses**

Data were processed (sorted and positioned) using Geomar Multi31 software and then displayed in plan view using ArcGIS software, for each of the three receivers and two data types (AC & MS respectively). A color spectrum representing data values (from blue-to-red) were standardized across the sample sets.

In addition, horizontal depth slices across the survey area were derived using proprietary mathematical algorithms to develop best fit representations for inverse models of the layered earth structure and buried objects. These advanced analyses were conducted by Dr. Elwaseif of the University of Wyoming. Code, written in Matlab, was used as an optimization problem based on a damped version of the Gauss-Newton nonlinear least-squares method. The data were first filtered to remove noise. Different homogeneous initial models were used to make sure of the stability of the inversion. A 5-layer model with a constant conductivity value of 10 mS/m was used. The objective function was minimized such that the final model reproduced the measured field data with some predefined accuracy level. The depth of investigation was estimated based on the transmitter frequency, inter-coil spacing, subsurface conductivity, and array configuration (vertical dipole).

### **2.3.6 Anomaly Detection and Classification**

Analyses focused on discerning differences in the responses of AC and MS values across space, both horizontally and vertically, relative to the background matrix. Detected differences reflect variations in

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subsurface materials and/or conditions (e.g., soil texture, density, and/or moisture content, temperature) related to transitions between geomorphological/geotechnical units, modified/engineered terrain, or buried features (e.g., landfill debris, utilities, foundations, etc.). Discrete clusters of data points, or anomalies contrasting with background values were identified as possible loci of interest.

Anomalies are classified, using a process developed by TREMAINE, recognizing a suite of *attributes* and *condition modifiers* described below.

*Attributes* include scale or size (micro, meso, and macro); geometry (point, focal, linear, curvilinear, dendritic, rectangular, amorphous); distribution (discrete, continuous, discontinuous); edge resolution (sharp, gradational, irregular, or fuzzy); manifested data types (AC, MS, or both); signal strength (high, moderate or low); and slope or threshold function (positive or negative contrast from surroundings). These attributes, together with consideration of known modifying conditions, help the analyst parse through possible explanations for signal variation.

*Condition Modifiers* include parameters such as depth of response, moisture, temperature, soil texture and density, compaction, soil water chemistry (including contaminant additives or fertilizers), as well as residual noise from both natural and cultural sources<sup>1</sup> to minimize the affects that might mask subtle responses.

### 2.3.7 Interpretation

Interpretations were made taking into account existing contextual information such as aerial photographs, historic maps, knowledge regarding the local geology and soils, the background matrix (assumed to represent the landscape/landforms), as well as attributes and condition modifiers of anomalies (outlined in previous section).

## 2.4 FINDINGS

Plan view renderings of both MS and AC data from sample sets oriented north/south and east/west are presented in Figures 8 through 13.

Magnetic susceptibility results (Figures 8, 10, and 12), whether oriented north/south or east/west, show anomalies likely to represent metallic objects, scattered throughout the area believed to be the former landfill. These can be seen in all three receivers, suggesting depths to at least 6 meters (19.7 feet). The areas surveyed outside the landfill zone appear to be comparatively clean.

Apparent conductivity results (Figures 9, 11, and 13) are consistent with the MS results, with anomalies scattered throughout the area believed to be the former landfill, and visible in all three receivers. Areas beyond this appear comparatively clean.

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<sup>1</sup> Natural sources of noise include geology or spherics. Cultural sources may include responses from surface objects containing metal (e.g., fences, railroad tracks, vehicles, and buildings), as well as overhead electrical transmissions, and microwave corridors.

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Boundaries for the landfill, based on the combined results of the various sample sets, as seen in plan view, are revised to encompass a slightly larger area than previously estimated, with dimensions approximately 70 feet east/west by 205 feet north/south.

Inverse resistivity models were generated for seven east/west transects bisecting the landfill and beyond (Figure 14). The southern-most transect, Line 3, situated outside the landfill, provides a baseline response for comparative purposes. Five transects north of Line 3 reveal high resistive signatures to the east of the north/south irrigation ditch, extending for a distance of about 70 feet. These were used to tentatively delineate horizontal and vertical boundaries of the landfill. Again, anomalous readings appear to extend to a depth of at least 19.7 feet.

A high resistive response was also obtained along the entire northern-most transect, Line 5. It is uncertain, without further investigation, what might be causing this response, but may be associated with gravel or riprap materials lining the ditch. Also unexplained, are high resistive responses west of the north/south ditch, in Line 7. It is possible that the landfill extends westward at this point, but is more likely associated with buried riprap.

### **3 REMEDIATION ACTION PLAN (RAP)**

Based on a review of the existing project data and the geophysical investigation completed by TREMAINE, the extent of the former landfill is approximately 70 feet east/west by 205 feet north/south and 19.7 feet deep (Figure 15). The volume of the former landfill is estimated to be approximately 5,200 cubic yards (yds<sup>3</sup>).

#### **3.1 SOIL QUALITY OBJECTIVES**

Formal Soil Quality Objectives (SQO's) have not been established for the Site. In order to evaluate the effect of COC's on human health and the environment, Quest recommends using the Environmental Screening levels (ESL's) as established by the San Francisco Bay Regional Water Quality Control Board (SFRWQCB, 2013) as guidance in review of SQO's for the Site.

#### **3.2 REMEDIAL EXCAVATION**

The proposed remedial action will be to excavate in the presumed area of the former landfill, sort the materials encountered, classify and chemically analyze the material, and reuse onsite (where appropriate) or transport materials off-site to an appropriate receiving facility.

##### **3.2.1 Excavation**

The excavation will comply with State and local regulations. Shoring shall be avoided where possible and benching or sloping shall be used in excavations deeper than 5 feet. Benching of the excavation will be completed consistent with CalOSHA requirements (CCR Title 8, Section 1541.1). The excavation will be completed in such a manner as not to damage or spread contamination. When solid, discrete material are encountered, such as drums, batteries, etc., hand digging or other manual method may be employed. Stormwater/erosion and other environmental (noise, odor, vector, etc.) controls will be completed at the Site. A water truck will be on-site at all times during remediation to reduce dust generated by the excavation, sorting and preparation of wastes. Figure 15 depicts the lateral extents of the proposed remedial excavation.

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In the event that suspected asbestos containing materials (SACM) are encountered during the remedial activities, excavation will cease and appropriate measures taken to contain and identify whether the material is an asbestos containing material (ACM). If an ACM is identified, appropriate personnel and personal protective equipment will be utilized to remove the material. Once the SACM has been identified as not being an ACM or the ACM has been appropriately removed, remedial excavation activities will continue.

### **3.2.2 Excavated Material Sorting and Segregation**

Excavation of the overlying material will be removed by excavator and segregated by waste classification onsite for further determination and transport off-site. Where possible materials will be consolidated, through mechanical means or through material recycling. The intent is to minimize the spread of excavated wastes, reduce the creation of hazardous wastes, and redirect or recycle materials where possible. Protocols will be established to limit the spread of excavated wastes. Excavated materials will be placed on poly sheeting with a temporary berm to contain materials. Excavated and/or stockpiled material will remain isolated from exposure to the elements and control the spread of materials to the greatest extent possible by covering with poly sheeting. The covering may be removed during daily activities as may be required for use, but will be recovered at the completion of daily activities. Additionally, stormwater and dust control management of the stockpiled wastes will be maintained at all times while waste materials are onsite and while there is an exposed excavation at the Site.

#### **3.2.2.1 Segregated Waste Classes**

There will be five (5) segregated waste classes onsite. The wastes will be stockpiled or staged as appropriate so as to avoid cross-contamination of lower class of waste material and to prevent the spread of hazardous materials at the Site. The order of the stockpiles will also reduce the amount of travel between the excavation and the segregation areas, and prioritize the locations based on waste hazard. The concern being to reduce the possibility of cross-contamination of lesser waste categories by moving higher hazard class wastes across or adjacent to them. Higher hazard wastes will be stockpiled relatively close to the excavation while lower classes (e.g. inert wastes) are located further from the excavation.

##### *Hazardous Wastes*

During excavation activities materials that are not immediately identifiable as to their hazard will be segregated as hazardous waste until it can be categorically or analytically determined if it falls under a lesser waste designation. Materials determined to be hazardous wastes will be transported off-site as a Non-RCRA Hazardous Waste to a Class I Waste Management Unit. Materials exceeding California hazardous wastes guidelines may be transported off-site to an appropriate Federal RCRA Hazardous Waste receiving facility.

##### *Designated Wastes*

During excavation activities materials that are immediately identifiable as Designated Wastes will be segregated as Designated Wastes until it can be analytically determined if it falls under a lesser waste designation. Materials determined to be Designated Wastes will be transported off-site as a Designated Wastes to a Class II Waste Management Unit.

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### *Non-Hazardous Wastes*

During excavation activities materials that are immediately identifiable as Non-Hazardous Wastes will be segregated accordingly. Materials determined to be Non-Hazardous Wastes will be transported off-site to a Class III Waste Management Unit.

### *Inert Wastes and Clean Soil*

**Inert Wastes:** During excavation activities materials that are immediately identifiable as Inert Wastes will be segregated accordingly. Materials determined to be Inert Wastes will be segregated and recycled, and/or transported off-site to a Class III Waste Management Unit. Inert wastes consist entirely of non-water soluble, non-decomposable inert solids, which may include:

- ❑ Construction and demolition wastes such as earth, rock, concrete rubble, and asphalt paving fragments;
- ❑ Vehicle tires;
- ❑ Industrial wastes such as clay products from brick and pipe manufacturing, glass, and inert slags, inert tailings, inert rubber scrap, and inert plastics

**Clean Soils:** Capping soils and other soils excavated that do not appear to be impacted by hazardous materials will be segregated into stockpiles and analytically evaluated for designation as “Clean Soil” for reuse at the Site (DTSC, 2001). Soils identified as non-hazardous, but do not meet DTSC “Clean Soil” designation will be off-hauled as an inert or non-hazardous waste as appropriate.

#### 3.2.2.2 Waste Sorting/Segregation

The method of sorting materials onsite will be based on the volume and types of waste. Hand-sorting will be used to sort materials such as tires, metallic discards, white goods, lumber, batteries, etc. Machine-sorting may be required to sort inert materials (soil, concrete, or asphalt), ferrous metals, co-generation fuels, and landfill wastes.

#### 3.2.2.3 Preparation of Materials for Disposal or Recycling

An area of the site will be cleared for storage of segregated wastes, and loading these materials. Where possible, attempts will be made to minimize double handling of wastes. Based on the volume of materials to be recycled, consideration will be made to assess whether recycling efforts should be conducted onsite vs. off-site. Concrete and asphalt may be crushed and sorted onsite for reuse as road base/sub-base, erosion protection, or ground cover. Chip wood waste/brush for reuse as fuel, ground cover, soil amendment, etc. metals may be shredded, baled, or compacted onsite to reduce volume of materials transported. Materials going to Class III landfills may be compacted onsite in order to minimize volume, both from site as well as at landfill.

### **3.2.3 Recycle & Reuse of Soil**

DTSC Information Advisory letter *Clean Imported Fill Material* (DTSC, 2001) is intended to assist in the classification of soils for import to “Sensitive” sites. The document identifies suggested sampling criteria, and analytical methods used to establish “Clean Soils.” As recommended by the DTSC (2001), the analytical results collected from stockpiled soils will be compared to Environmental Screening Levels

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(ESL's) as established by the San Francisco Regional Water Quality Control Board (SFRWQCB) [SFRWQCB, 2013].

### **3.2.4 Loading and Off-hauling**

Load and off-hauling will be attempted during sorting or preparation of waste materials to extent feasible in order to reduce environmental exposure and reduce the number of times the waste materials are handled onsite. In order to reduce the number of access points into the exclusion zone and reduce the potential for hazardous material leaving the Site, a one-way direction will be used to direct transport vehicles. Transport vehicles will enter the exclusion zone to the southwest of the exclusion zone. Upon completion of loading the vehicles, they will pass through the decontamination area prior to leaving the Site. Every effort will be made to reduce the potential for hazardous materials leaving the exclusion zone through proper decontamination of the transport vehicle tires and making sure appropriate cover/dust control are maintained. Figures 15 and 16 depict the path by which transport of materials will be transported off-site. Personnel will be onsite to direct/control traffic at site access points during hauling operations. Cleaning/sweeping of the local public roads at the entrance/egress from the Site will be completed as required throughout remedial operations. Proper stormwater management will be maintained at the Site and at the entrance/egress from the Site. Waste manifests and weight tags will be collected for all wastes that are off removed from the Site. Copies of waste manifests, bills of lading, weight tags, and other pertinent waste documentation will be collected and documented in the site mitigation report presented in Section 3.6 of this RAP.

## **3.3 FINAL SITE WORK AND DEMOBILIZATION**

Upon confirmation of reaching the remedial goals of the investigation, the excavation area will be backfilled to site grade with locally derived clean fill and/or imported clean fill as needed. The Site will be graded, with drainage facilities constructed (if necessary), and vegetative cover or other means of erosion control will be provided.

### **3.3.1 Drainage and Erosion Control**

Drainage and erosion control will be constructed in order to meet State and local jurisdiction requirements. Post-closure engineering will be compliant with California Code of Regulations (CCR) Title 27, Chapter 3, Subchapter 5, Article 2, Section 21150.

### **3.3.2 Imported Fill**

In order to minimize the potential of introducing contaminated fill material onto a site, it is necessary to verify through documentation that the fill source is appropriate and/or to have the fill material analyzed for potential contaminants based on the location and history of the source area. Imported fill material should not be received from sites undergoing an environmental clean-up. Documentation will be obtained that will confirm that the fill source is appropriate for the use as intended. The imported fill material will be analyzed by a California ELAP-certified laboratory for appropriate contaminants based on the location of the source area and in compliance with DTSC (2001). The documentation will consist of detailed information on previous land use from where the fill was obtained and results of any analytical testing performed. The

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report containing this information shall be signed by a California Professional Geologist or Professional Engineer.

### 3.4 SAMPLING & ANALYSIS PLAN (SAP)

The following sections describe the sampling protocols and analytical requirements for the various samples to be collected during the remedial phase of this investigation.

#### 3.4.1 Sampling Program

The following sections describe the methodology by which samples collected will be documented, preserved, and transported.

##### 3.4.1.1 Excavated/Stockpiled Materials:

In order to characterize the excavated/stockpiled debris, discrete samples of the material will be collected and analyzed. Stockpiled soil up to 1,000 cubic yards should have one sample collected for every 250 cubic yards. For soil stockpiles from 1,000 to 1,500 cubic yards, four samples from the first 1,000 cubic yards and one sample each additional 500 cubic yards should be collected. For stockpiles greater than 5,000 cubic yards a minimum of 12 samples should be collected for the first 5,000 cubic yards and one sample per each additional 1,000 cubic yards should be collected. Soil samples will be collected by hand clearing 3 to 6 inches below the existing surface of the stockpile and driving a clean stainless-steel sleeve into the stockpile to retain a discrete soil sample. Soil samples will be documented, preserved and transported as described in Section 3.4.2.

##### 3.4.1.2 Post-Excavation Confirmation Sampling

At the completion of the remedial excavation activities discrete soils samples will be collected along the base of the excavation area in order to establish that remedial excavation activities have met the remedial objectives of the program. Additionally, one upgradient “clean” soil sample location will be selected in order to establish background concentrations for key constituents of concern. Discrete soil sampling will be completed on no greater than a 20 foot by 20 foot grid along the base of the completed excavation (Figure 17). If the analysis of individual sample locations indicate soil impacts greater than respective SQO’s, additional excavation and resampling may be necessary. Soil samples will be collected by hand clearing/augering 3 to 6 inches below the existing grade and driving a clean stainless-steel sleeve into the subsurface soil to retain a discrete soil sample. Soil samples will be documented, preserved and transported as described in Section 3.4.2.

#### 3.4.2 Analytical Program

Soil samples will be collected and preserved in the field for transport to an analytical laboratory. The sample containers will be labeled, and stored at a temperature of less than 4 degrees centigrade (<4°C), and transported to a State-certified analytical laboratory, along with appropriate chain-of-custody documentation. The following subsections summarize the analytical requirements based on material type. The list of required analytes may be adjusted as needed to comply with the requirements of the final waste receiving facility.

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#### 3.4.2.1 Excavated/Stockpiled Materials

The samples collected and submitted for analysis will be analyzed in the laboratory for the following analytes:

- Bulk Asbestos analysis by polarized light microscope (PLM) by the CARB method;
- Total Petroleum Hydrocarbons as gasoline (TPH-G) by US EPA Method 8015B;
- Total Petroleum Hydrocarbons as diesel (TPH-D) by US EPA Method 8015B;
- Total Petroleum Hydrocarbons as motor oil (TPH-MO) by US EPA Method 8015B;
- Total Recoverable Petroleum Hydrocarbons (TRPH) by US EPA Method 418.1;
- Volatile Organic Compounds (VOC's) by US EPA Method 8260B;
- Semi-Volatile Organic Compounds (SVOC's) by US EPA Method 8270C;
- Pesticides & PCB's by US EPA Method 8082A;
- Herbicides by US EPA Method 8151A; and
- CAM-17 Metals by US EPA Method SW6020.

#### 3.4.2.2 Post-Excavation Confirmation Sampling

The samples collected and submitted for analysis will be analyzed in the laboratory for the following analytes:

- Bulk Asbestos analysis by polarized light microscope (PLM) by the CARB method;
- Total Petroleum Hydrocarbons as gasoline (TPH-G) by US EPA Method 8015B;
- Total Petroleum Hydrocarbons as diesel (TPH-D) by US EPA Method 8015B;
- Total Petroleum Hydrocarbons as motor oil (TPH-MO) by US EPA Method 8015B;
- Total Recoverable Petroleum Hydrocarbons (TRPH) by US EPA Method 418.1;
- Volatile Organic Compounds (VOC's) by US EPA Method 8260B;
- Semi-Volatile Organic Compounds (SVOC's) by US EPA Method 8270C;
- Pesticides & PCB's by US EPA Method 8082A;
- Herbicides by US EPA Method 8151A; and
- CAM-17 Metals by US EPA Method SW6020.

### 3.5 PROJECT QA/QC

This section describes the field and laboratory QA/QC procedures that will be implemented as part of this work plan.

#### 3.5.1 Field Procedures

The following records will be used to document the implementation of field activities conducted during the site investigation:

- Field data sheets;
  - Photo-documentation record;
  - Waste removal documentation;
  - Sample labels; and
  - Chain-of-Custody form.
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### **3.5.2 Field Data Sheets**

Field data sheets will be completed during the site investigation to document field activities. The data sheets will include: daily field reports, air monitoring records, and geologic boring logs.

### **3.5.3 Photo-Documentation Record**

Photographs will be used to document the field activities and will be included as figures in the technical report of the investigation.

### **3.5.4 Waste Removal Documentation**

Copies of waste manifests, bills of lading, weight tags, and other pertinent waste documentation will be collected and documented in the site mitigation report presented in Section 3.6 of this RAP.

### **3.5.5 Sample Labels**

Sample labels will be completed in waterproof ink, at the time of sample collection, and before the samples are delivered to the analytical laboratory. The following information will be included on the sample label: sample number, date and time, sample location and client, analysis and laboratory, preservative, samplers' initials, and project number.

### **3.5.6 Chain-of-Custody**

A chain-of-custody record will be completed on-site as soil and groundwater samples are collected. The chain-of-custody will then be delivered with the samples to the laboratory. Information on the chain-of-custody record will include: sample date and time, sample ID and location, matrix, number of containers, required analyses, preservative, project manager's name, project number, project name and location, client and laboratory names, and sampler signatures.

## **3.6 TECHNICAL REPORT**

Upon completion of field and laboratory activities and receipt of the soil and groundwater analytical results, a technical report will be prepared summarizing the results and findings of the investigation and to provide recommendations. The report will include:

- ❑ An Introduction, purpose and objectives of the Site remedial action;
- ❑ Summary of completed Site activities;
- ❑ Site map showing excavation and sampling locations;
- ❑ Presentation of soil analytical results (Tables and Figures);
- ❑ Waste removal documentation;
- ❑ Field notes
- ❑ Tabular analytical summary;
- ❑ Certified laboratory analytical reports and chain-of-custody records; and
- ❑ Conclusions and recommendations for future activities, if appropriate.

The investigation and the report preparation will be conducted under the direct supervision of and will be signed by a California Professional Geologist (P.G.) or Professional Engineer (P.E.).

---

### 3.7 PROPOSED PROJECT SCHEDULE

Figure 18 present a proposed schedule for the completion of various workscope presented in this RAP. The timeline may be altered based on coordination of the various contractors, weather, regulatory requirement, or as conditions may dictate in the field.

### 3.8 SITE SPECIFIC HEALTH AND SAFETY PLAN (HASP)

The HASP for Quest personnel is presented in Appendix B. A copy of the HASP will be available on-site throughout the course of field activities. Quest's HASP is not intended, nor should it be used to cover other contractor's personnel assigned or involved with this project.

---

#### 4 REFERENCES

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- DTSC, 2001, Informational Advisory, Clean Imported Fill Material: California Department of Toxic Substances Control, October 2001, 4p. [http://www.dtsc.ca.gov/Schools/upload/SMP\\_FS\\_Cleanfill-Schools.pdf](http://www.dtsc.ca.gov/Schools/upload/SMP_FS_Cleanfill-Schools.pdf)
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- Palacky, G.J. 1989 Resistivity Characteristics of Geologic Targets. In, Electromagnetic Methods in Applied Geophysics Theory Volume 1, edited by M. N. Nabighian, pp. 51-129, Society of Exploration Geophysicists, Tulsa, Oklahoma.
- SFRWQCB, 2013, Risk-Based Screening Levels and Decision Making to Sites with Impacted Soil and Groundwater (Interim Final – November 2007): San Francisco Bay Regional Water Quality Control Board, Region, December 2013. <http://www.waterboards.ca.gov/sanfranciscobay/esl.htm>.
- U.S. Geologic Survey, 2012, Dixon, Solano County, California 7.5-minute Quadrangle Series (Topographic): U.S. Geological Survey, 7.5-minute Quadrangle Series, 1 sheet.
-

**FIGURES**

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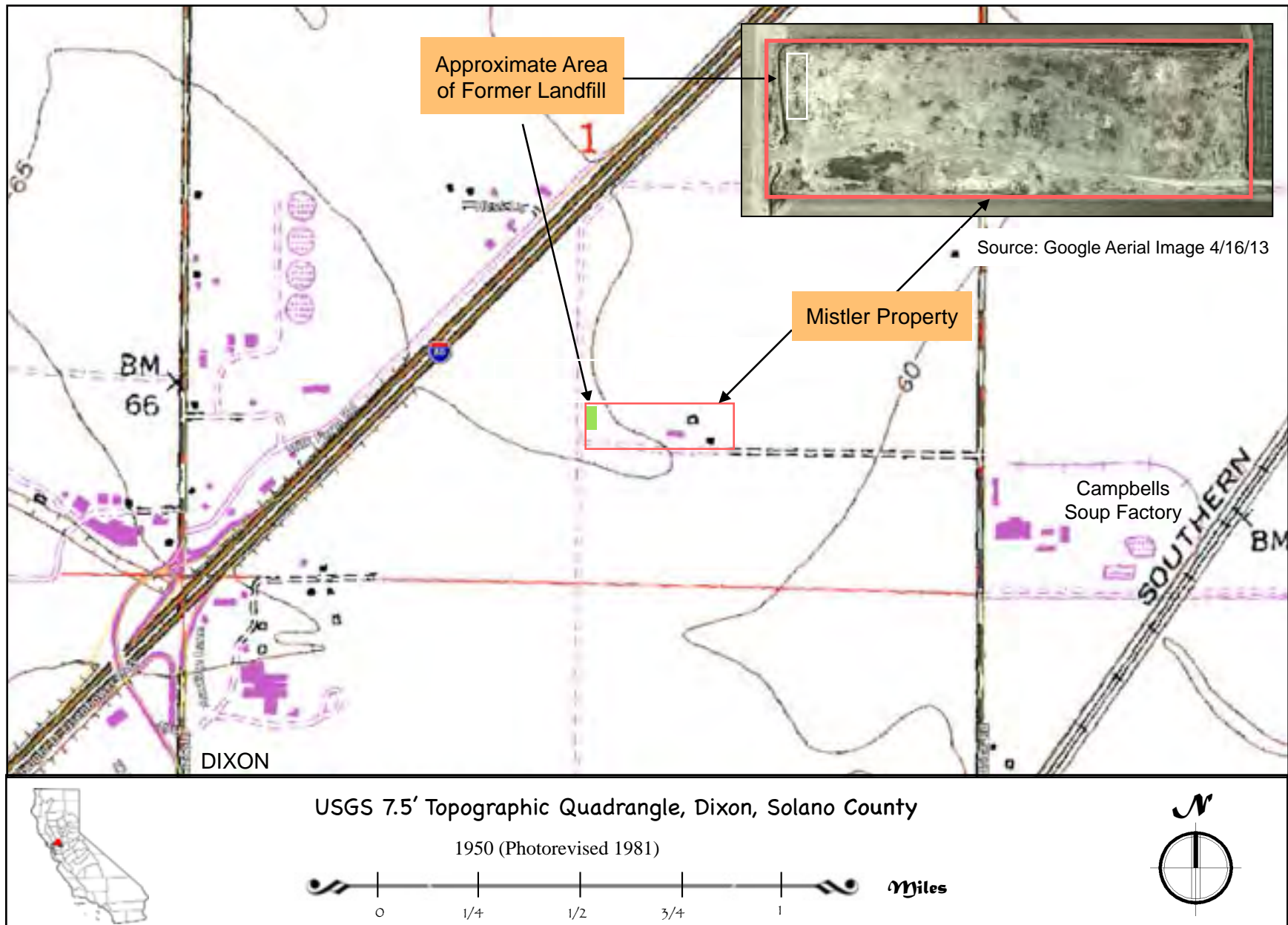


Figure 1. Project Location Map



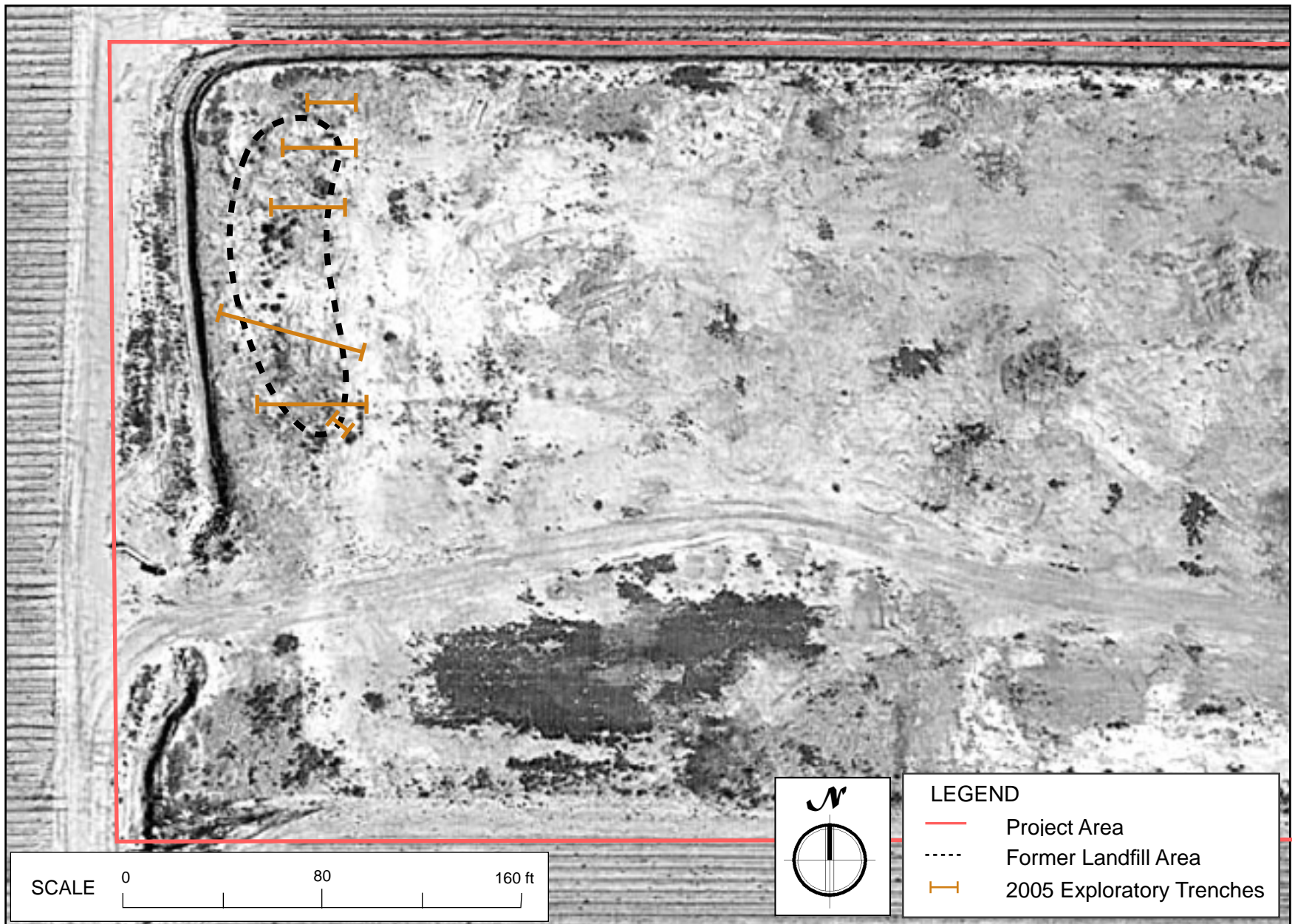
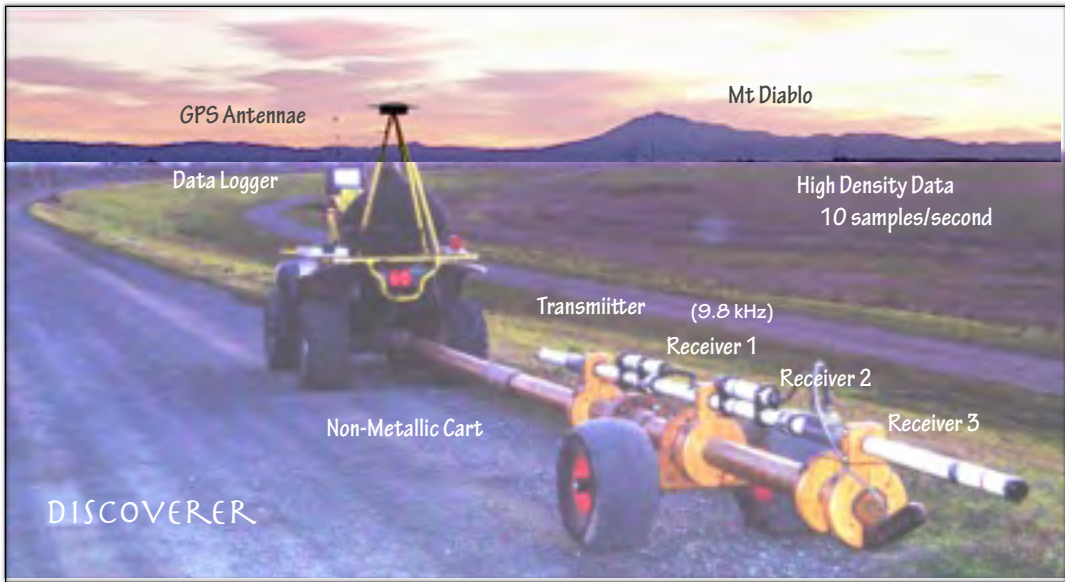


Figure 2. Former Landfill Area and Locations of 2005 Exploratory Trench Locations



**EFFECTIVE DEPTH OF EXPLORATION**  
depends upon:  
Orientation of Transmitter Coil &  
Receiver Distances from Transmitter

DIPOLE MODE	
VERTICAL	HORIZONTAL
Receiver 1 -1.5 m	Receiver 1 -1.0 m
Receiver 2 -3.0 m	Receiver 2 -2.0 m
Receiver 3 -6.0 m	Receiver 3 -3.6 m

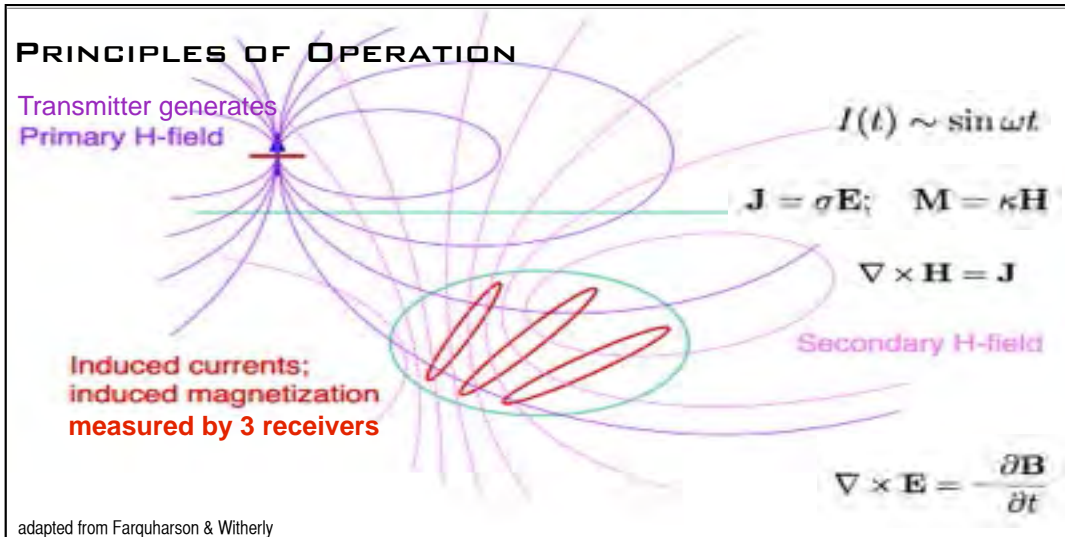
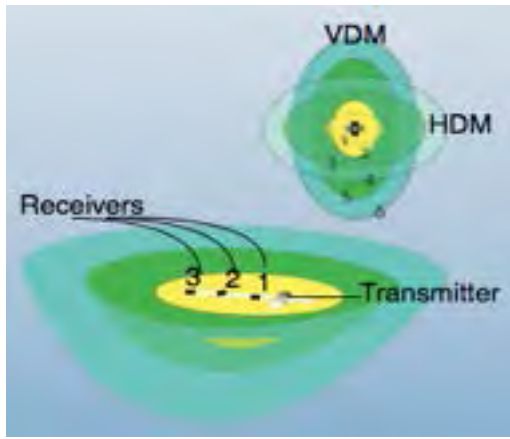


Figure 3. Discoverer Instrument and Principles of Operation

## TWO PROPERTIES OF ELECTROMAGNETIC INDUCTION MEASURED

GEOPHYSICAL PROPERTY	UNIT OF MEASURE	RESPONSE
<p><b>Apparent Conductivity</b></p> <p>How conductive a specific substrate composition (e.g., sands, silts, clays, gravel, bedrock) is.</p>	mS/m (milliSiemens per meter)	Governed by porosity, hydraulic permeability, moisture content, concentration of dissolved electrolytes, pore fluid temperature & phase, & amount/composition of colloids (clay content)
<p><b>Magnetic Susceptibility</b></p> <p>How susceptible specific substrate composition &amp; buried objects are to being magnetized</p>	ppt (parts per thousand)	Governed by amounts & types of metal-containing minerals are present.

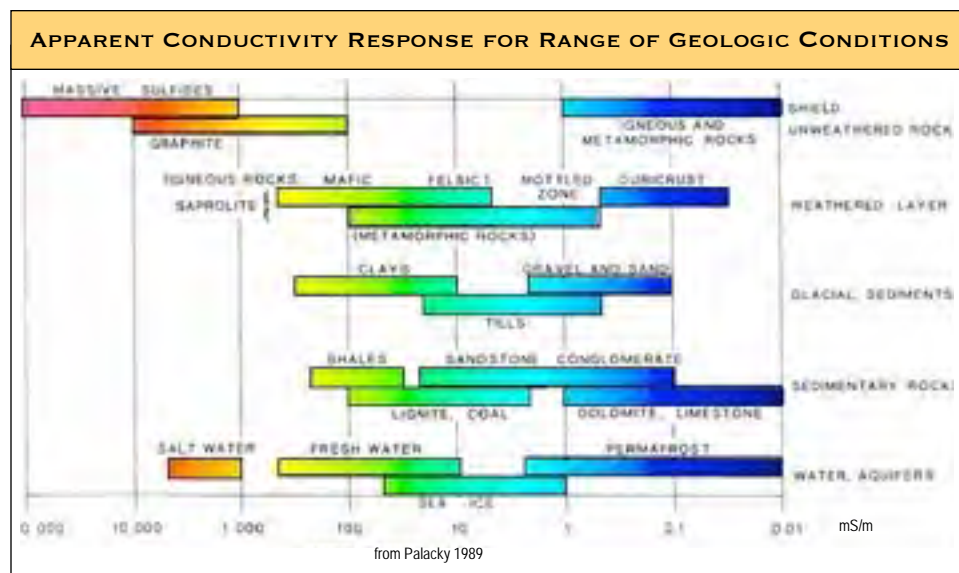
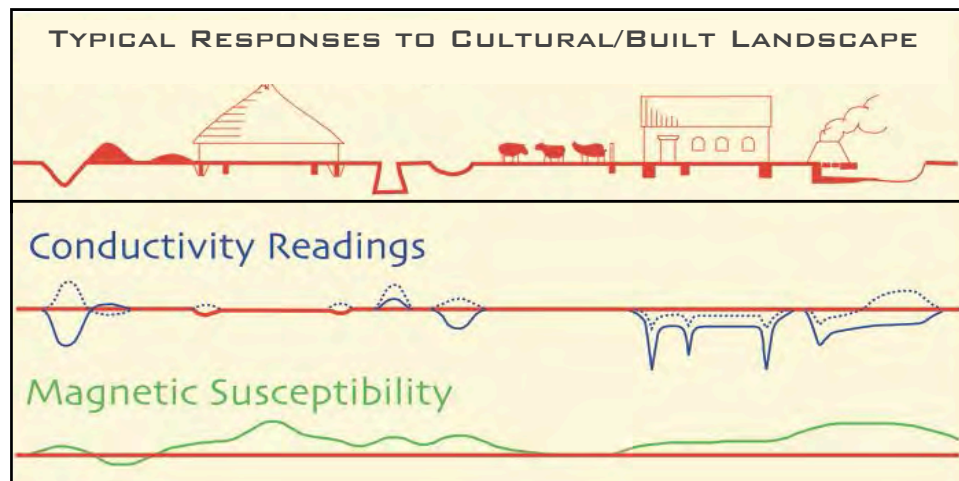


Figure 4. Electromagnetic Properties & Typical Cultural/Geologic Responses

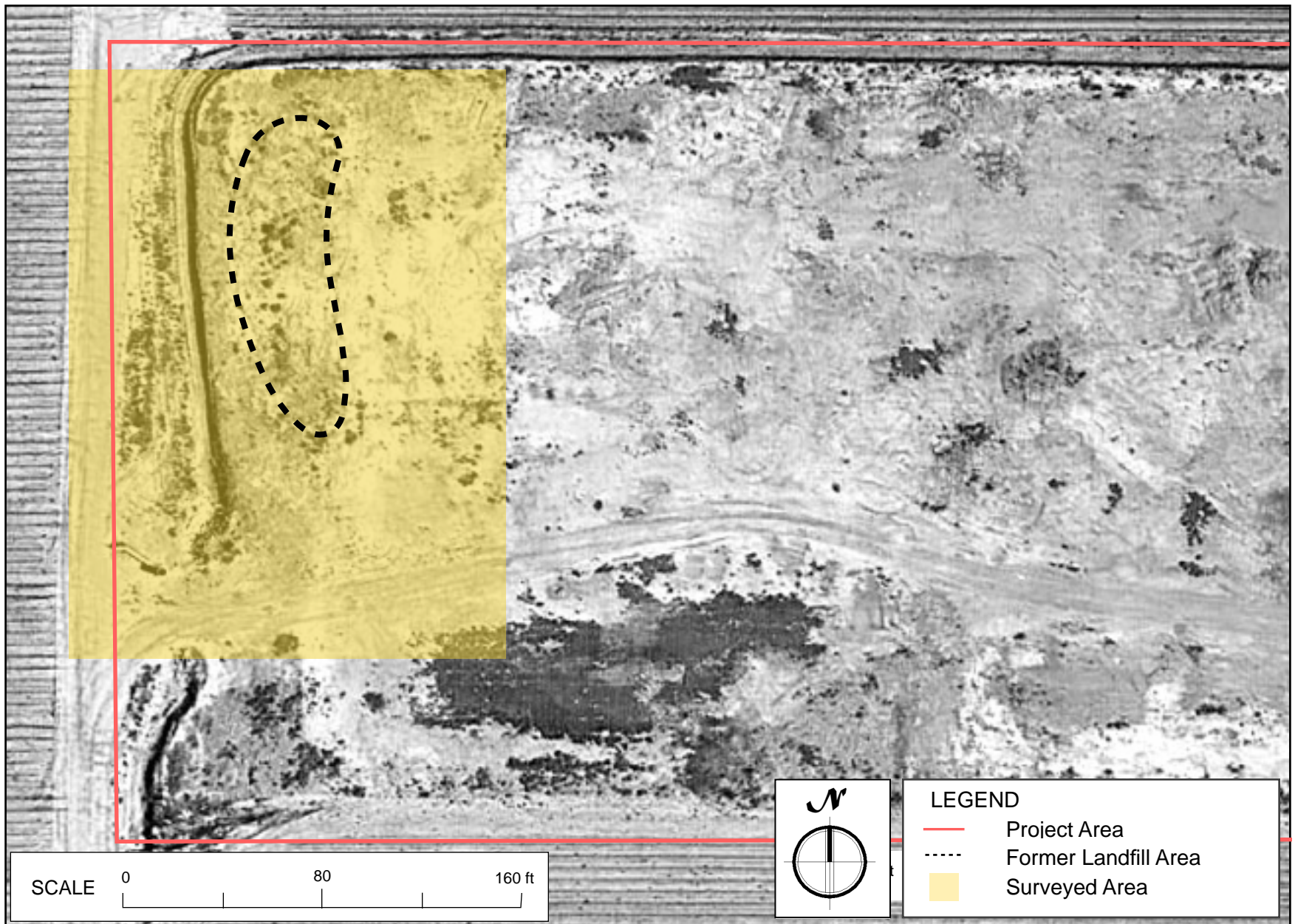


Figure 5. Geophysical Survey Coverage

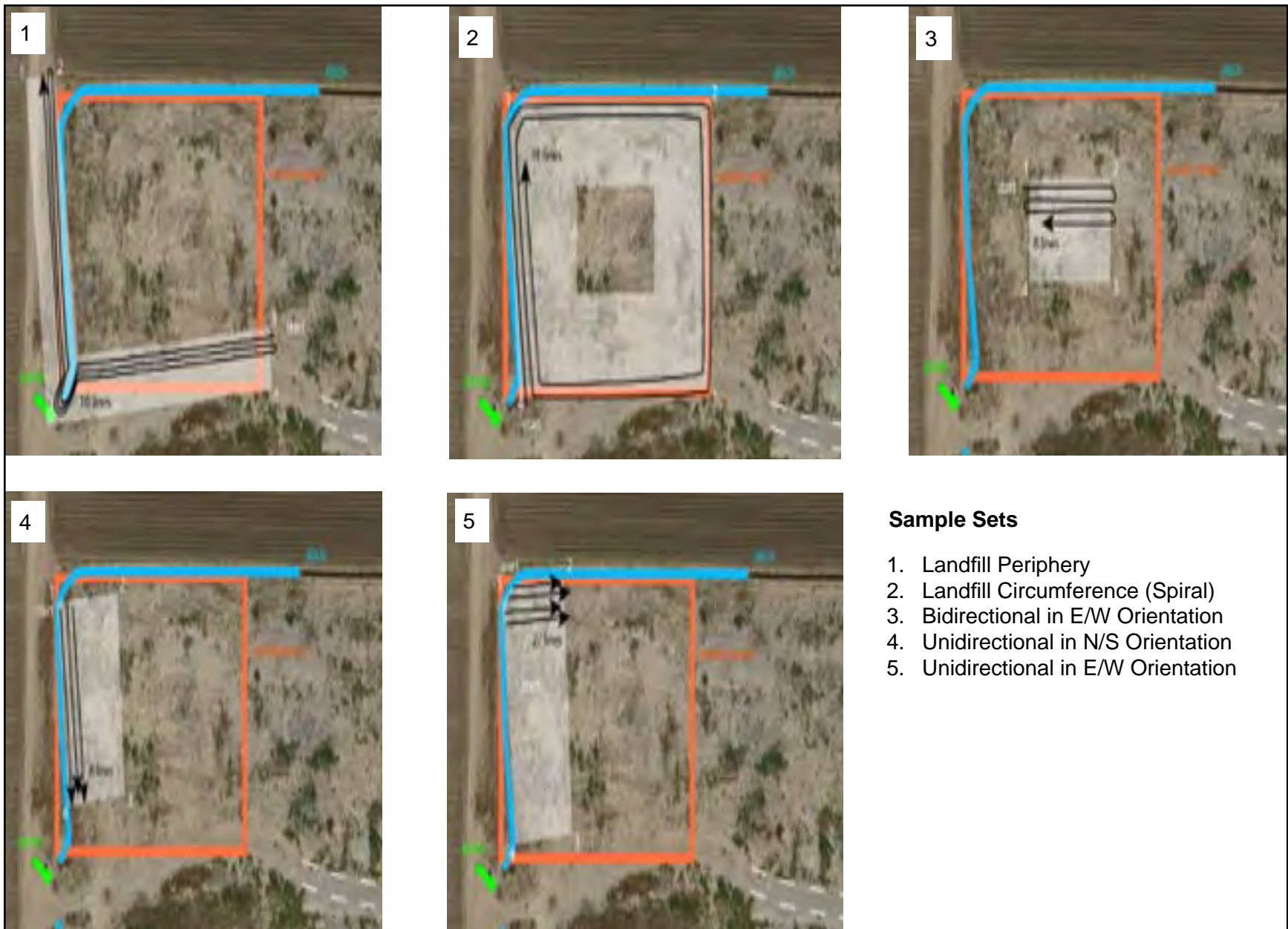


Figure 7. Survey Sample Sets Showing Direction of Travel



Surface Conditions: Dry and Barren

Surface covered with concrete roof tile fragments, gravel, and miscellaneous bits of metal, rubber, etc.



Figure 7. Surface Conditions at Time of Geophysical Survey

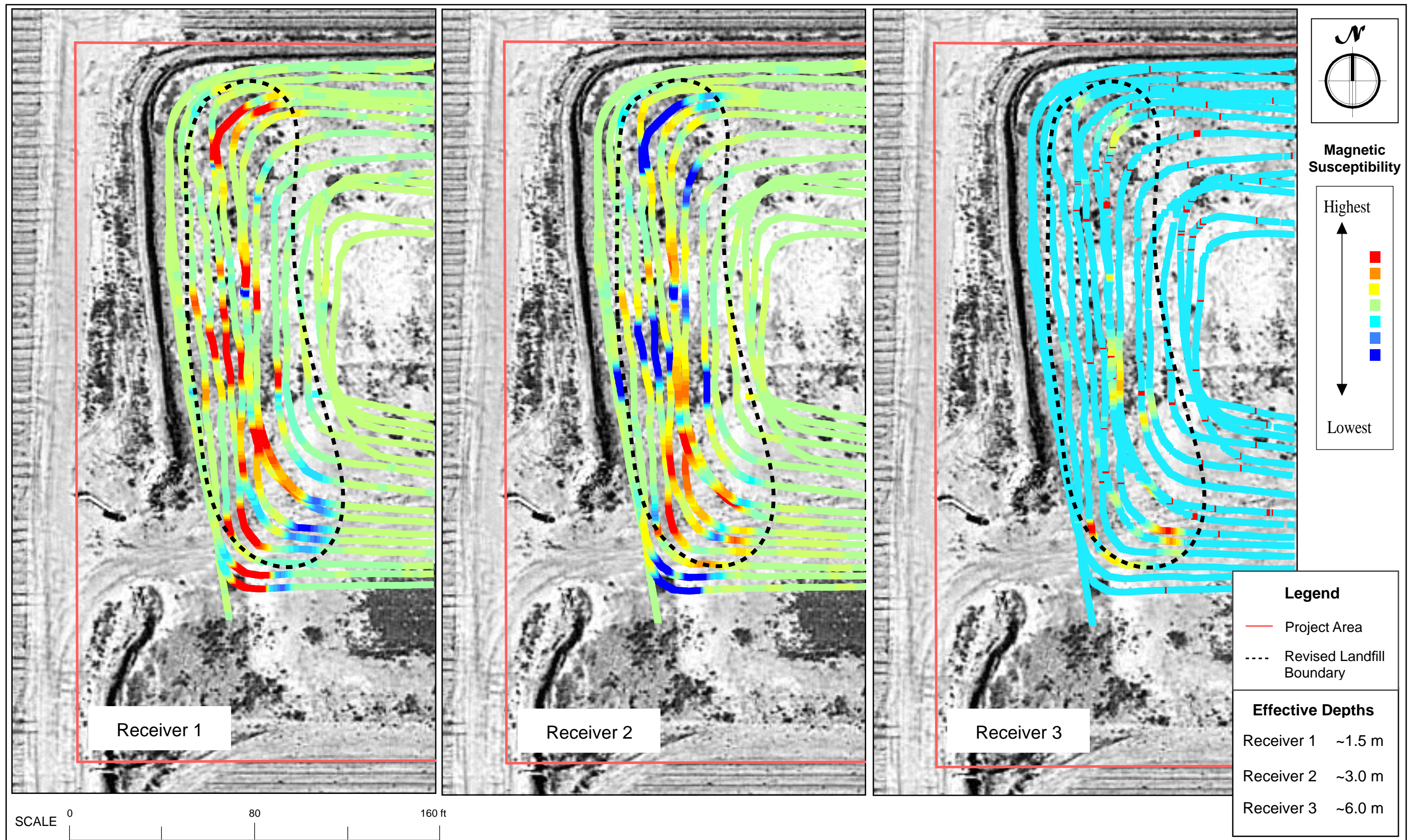


Figure 8. Magnetic Susceptibility, Sample Set 2, Receivers 1, 2, and 3, Over Aerial Photograph, Showing Revised Boundaries of Landfill Based on MS Responses

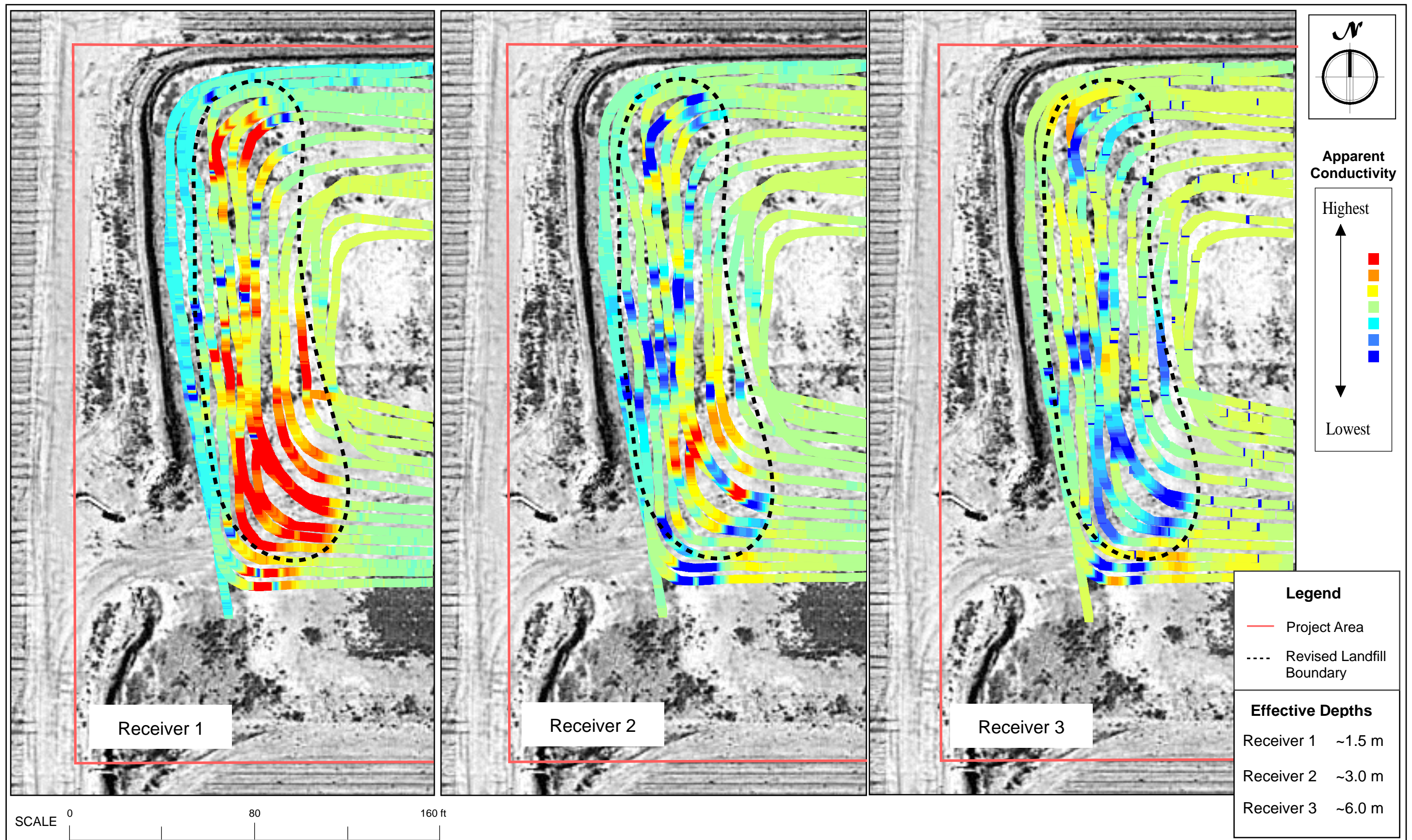


Figure 9. Apparent Conductivity, Sample Set 2, Receivers 1, 2, and 3, Over Aerial Photograph, Showing Revised Boundaries of Landfill Based on Combined AC and MS Responses



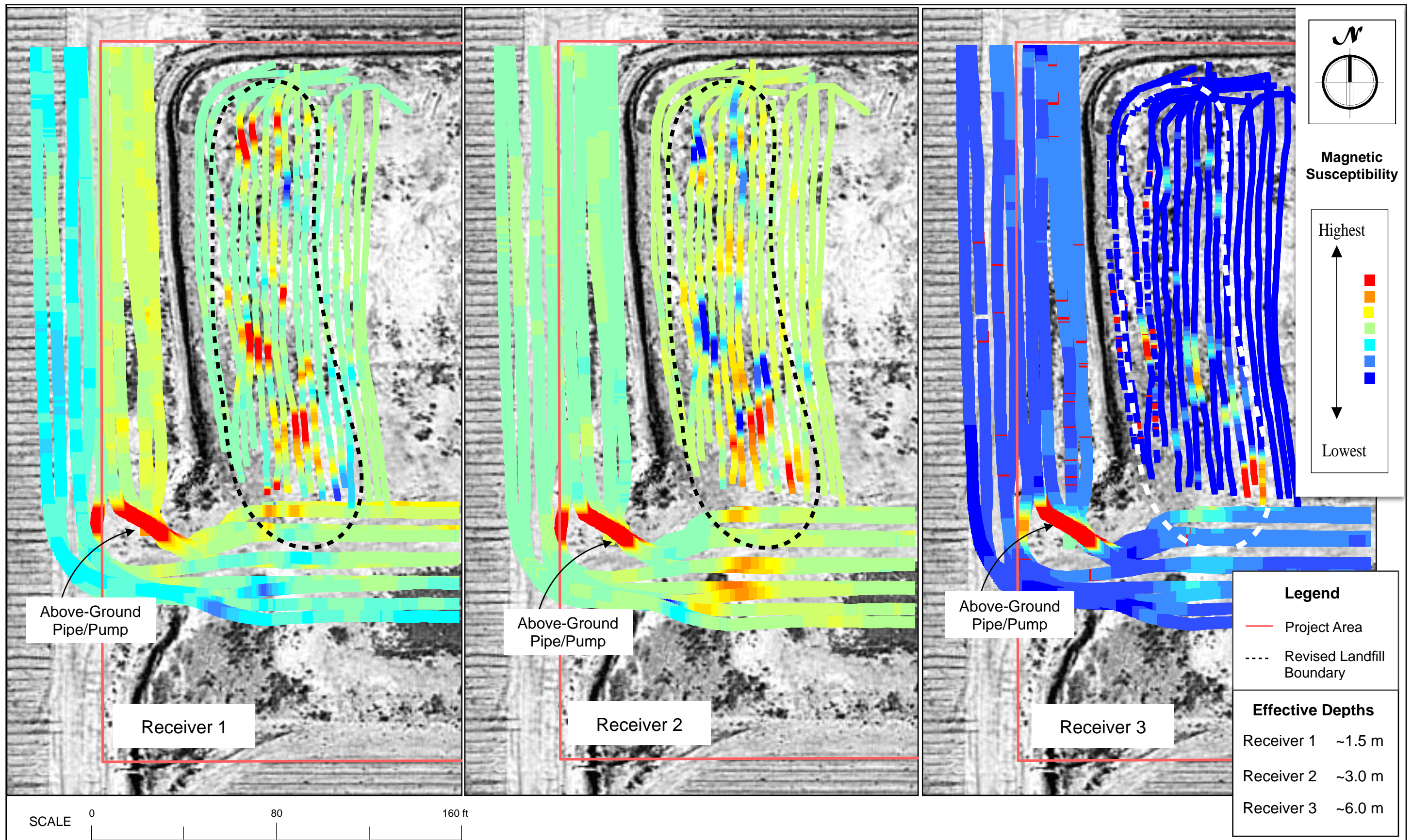


Figure 10. Magnetic Susceptibility, Sample Sets 1 and 4, Receivers 1, 2, and 3, Over Aerial Photograph, Showing Revised Boundaries of Landfill Based on Combined AC and MS Responses

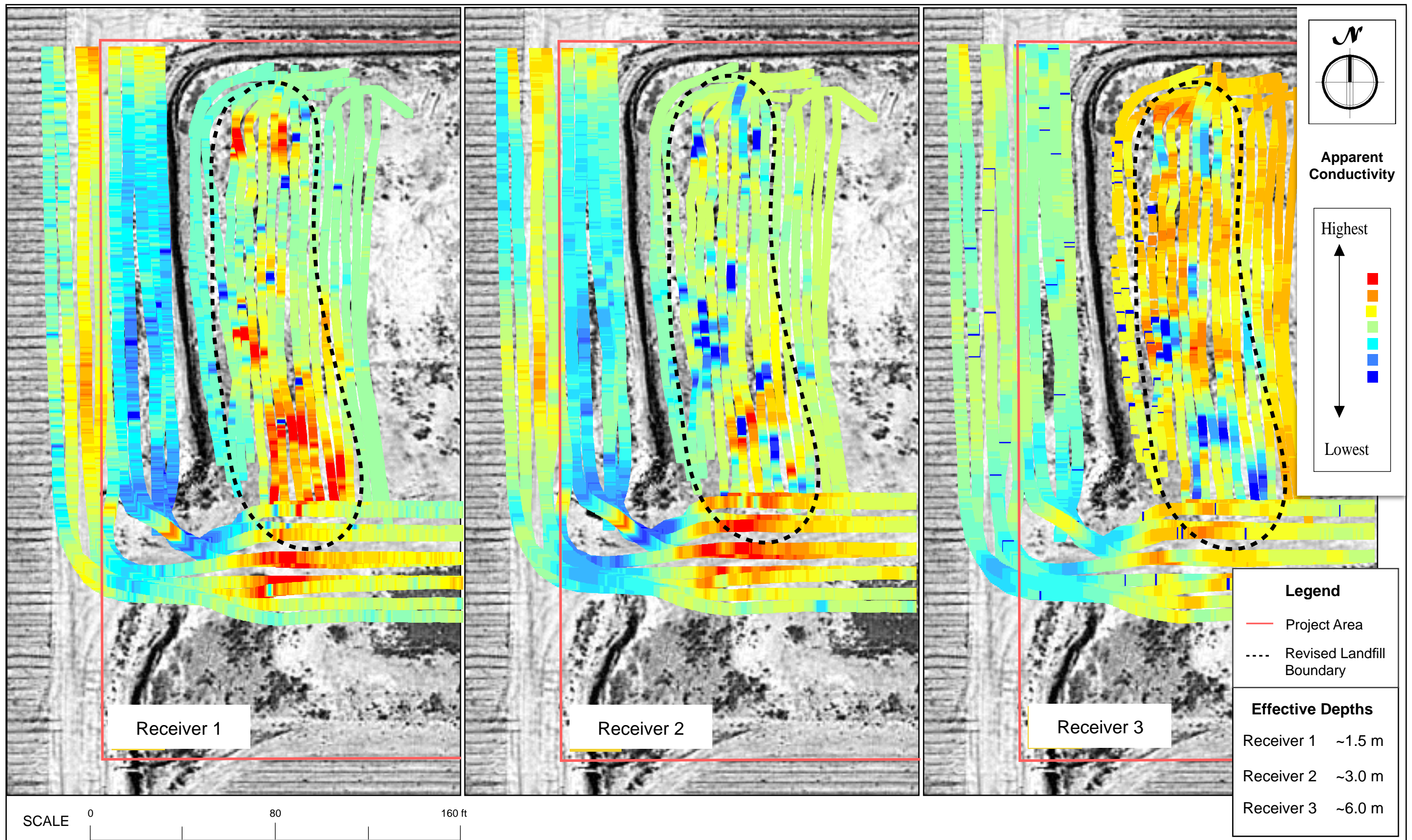


Figure 11. Apparent Conductivity, Sample Sets 1 and 4, Receivers 1, 2, and 3, Over Aerial Photograph, Showing Revised Boundaries of Landfill Based on Combined AC and MS

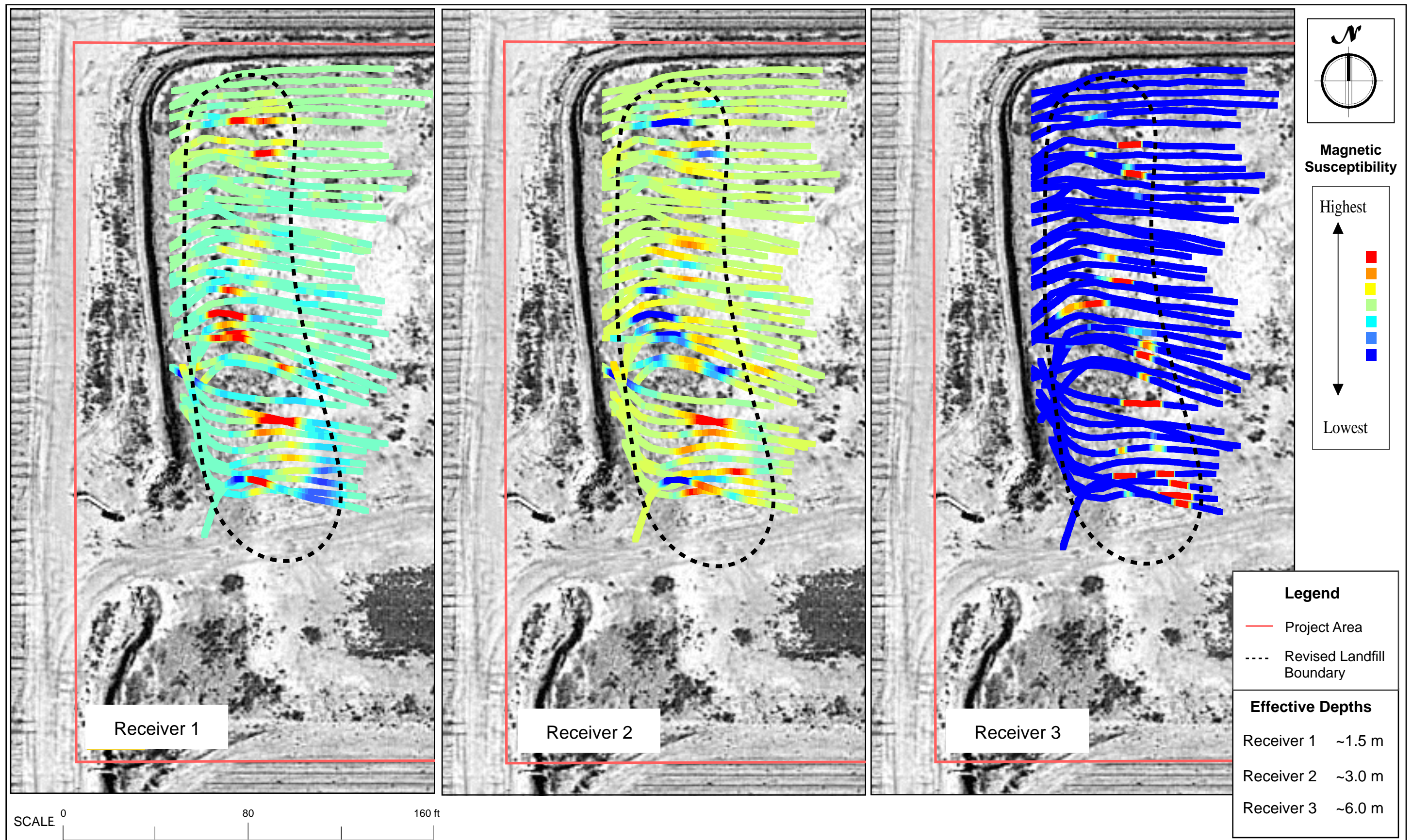


Figure 12. Magnetic Susceptibility, Sample Set 5, Receivers 1, 2, and 3, Over Aerial Photograph, Showing Revised Boundaries of Landfill Based on MS Responses

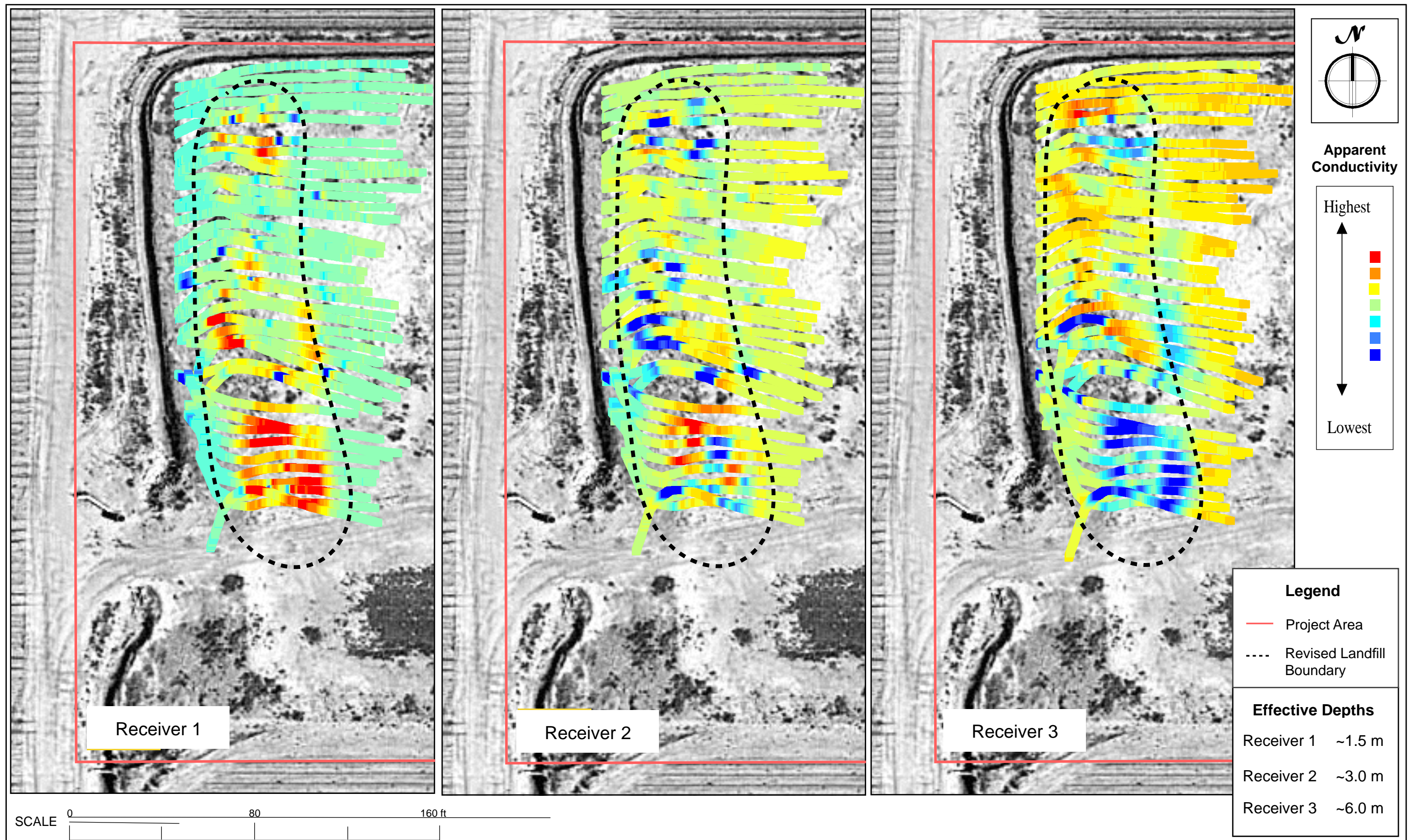


Figure13. Apparent Conductivity, Sample Set 5, Receivers 1, 2, and 3, Over Aerial Photograph, Showing Revised Boundaries of Landfill Based on MS Responses

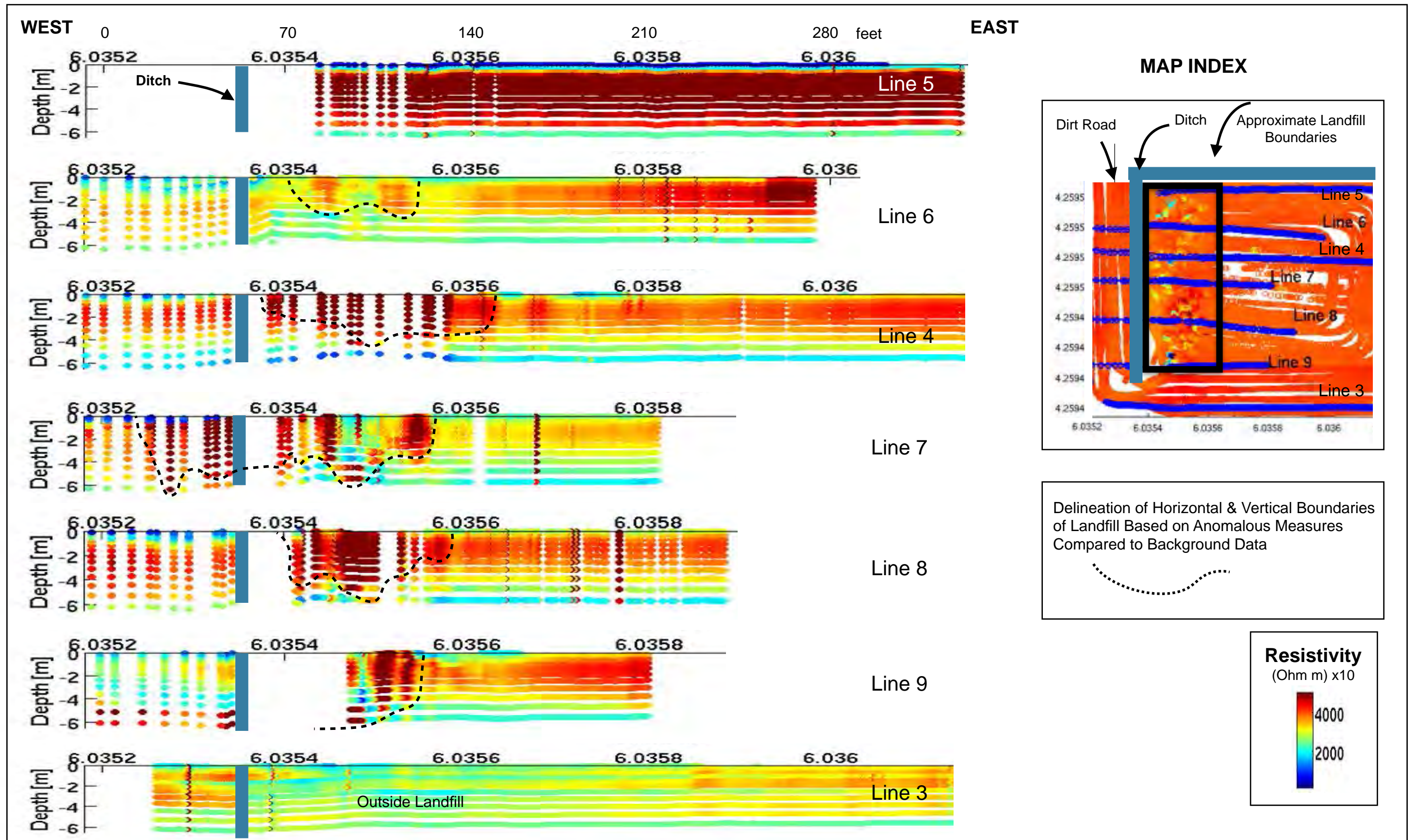
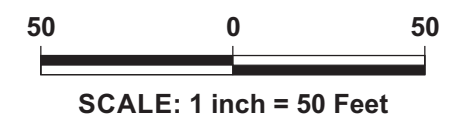


Figure 14. Inverse Resistivity Models Depicting Cross-Sections for East-West Lines Across the Landfill



### EXPLANATION



**FIGURE 15  
PROPOSED WASTE  
SEGREGATION AND  
WORK AREAS**

Project Name: Former Mistler Farm Property  
8405 Pedrick Road, Dixon, California

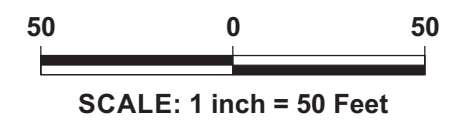
Project No.: G01012014-01	Drafter: EWG Review: EWG	Revision Date: 11/11/2014
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**GSM**  
QUEST GEOSYSTEMS MANAGEMENT, INC.  
11275 Sunrise Gold Circle, Suite R  
Rancho Cordova, CA 95742  
(925) 756-1210 · (925) 756-1227 Fax

Modified From: Google Earth (11/11/2014)



### EXPLANATION



**FIGURE 16**  
**AREA MAP DEPICTING**  
**PROPOSED OFF-HAUL/**  
**TRAFFIC ROUTE**

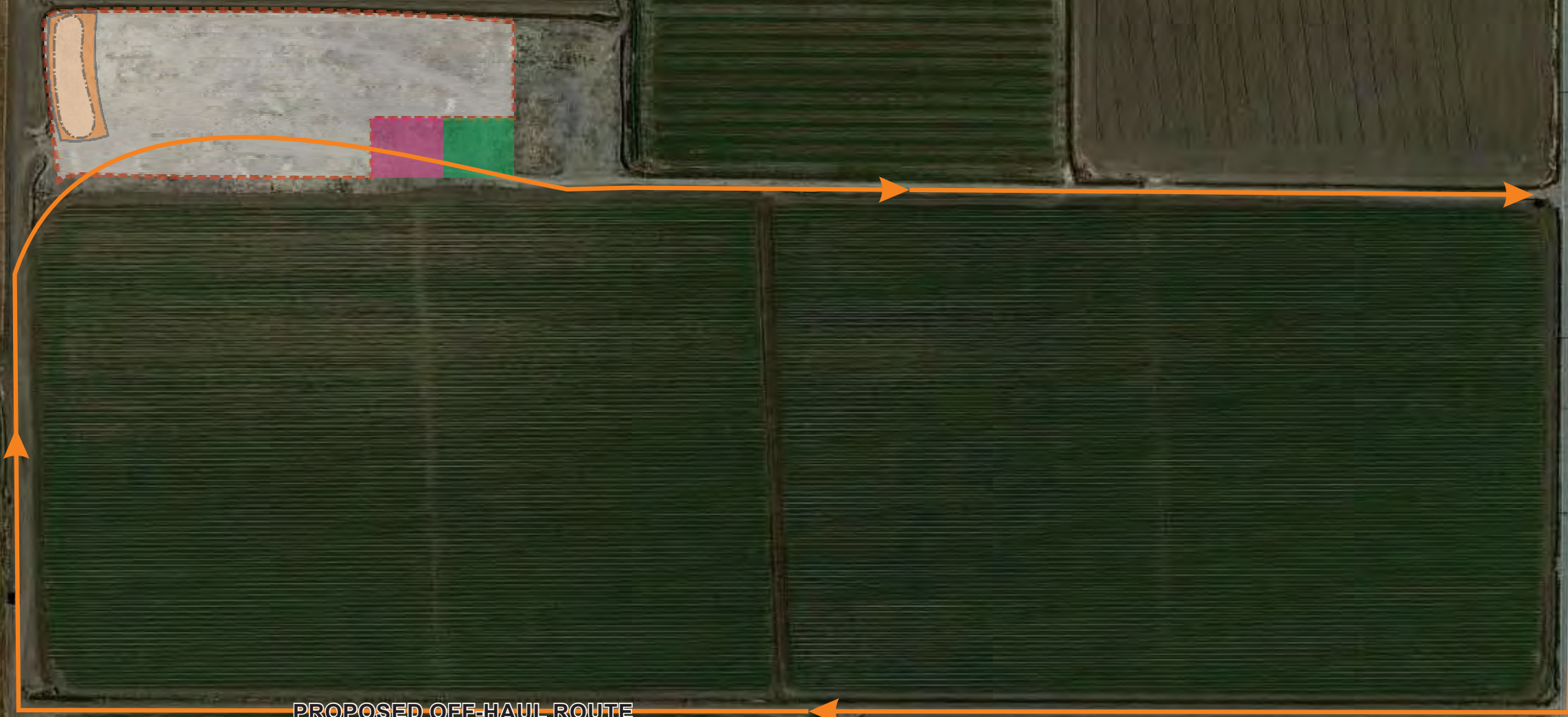
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8405 Pedrick Road, Dixon, California

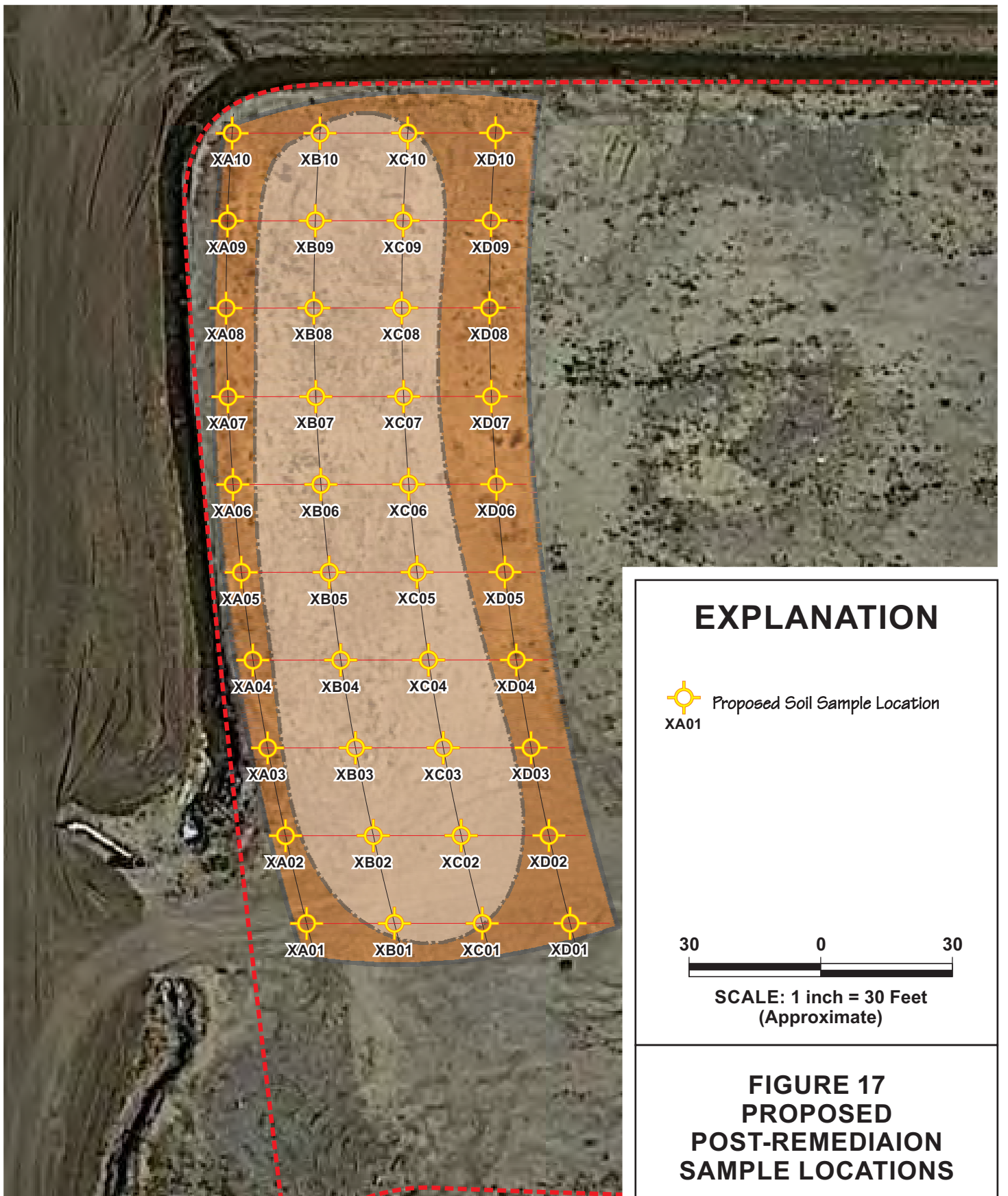
Project No.: G01012014-01	Drafter: EWG Review: EWG	Revision Date: 11/11/2014
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PROPOSED OFF-HAUL ROUTE





Project Name: Former Mistler Farm Property  
8405 Pedrick Road, Dixon, California

Project No.:  
G01012014-01

Drafter: EWG  
Review: EWG

Revision Date:  
11/11/2014



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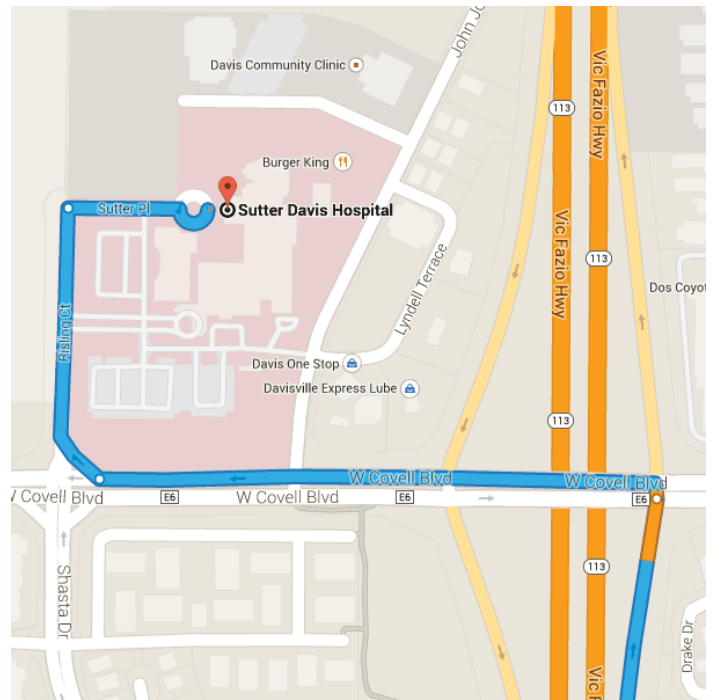
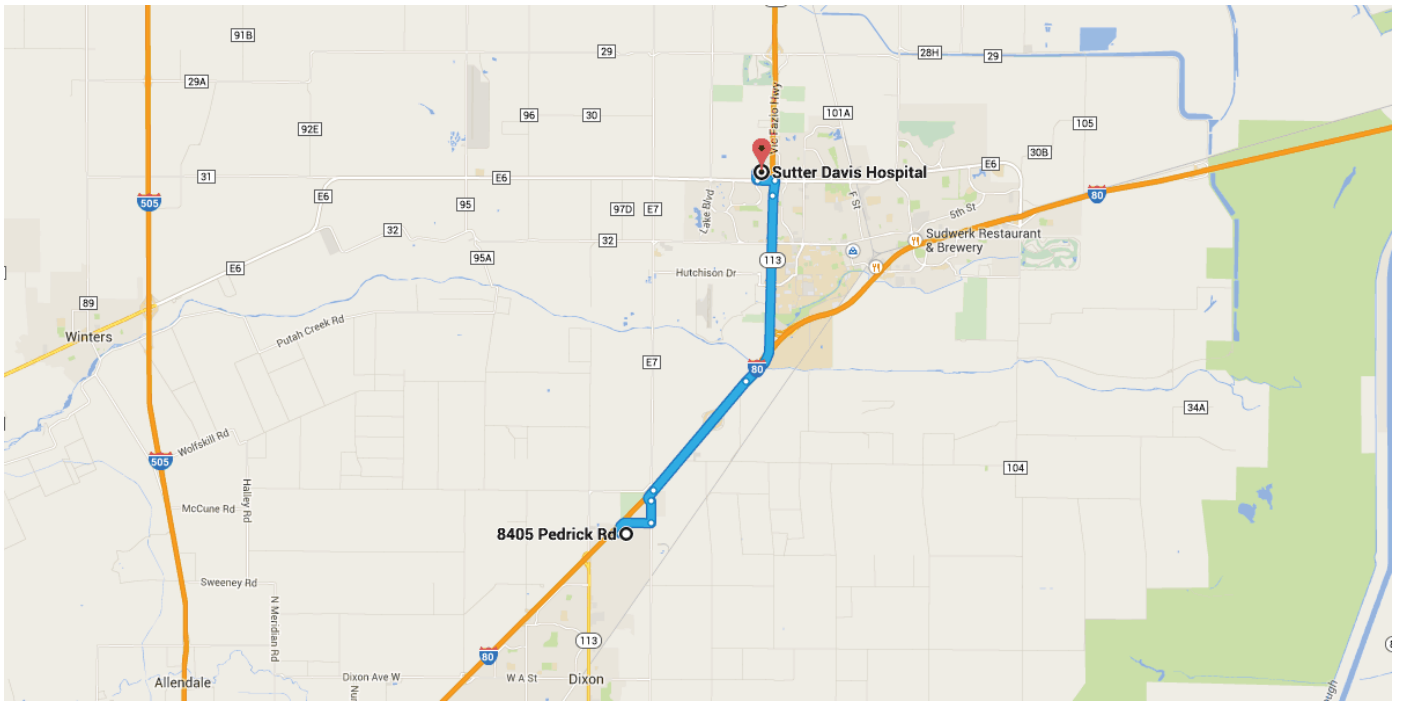
Project Activities		WEEK 1					WEEK 2					WEEK 3					WEEK 4					WEEK 5					WEEK 6					WEEK 7					WEEK 8					WEEK 9					WEEK 10					WEEK 11					WEEK 12				
		1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5					
<b>1. Workplan Submission &amp; Permitting</b>	4w	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█																																								
Workplan Submission & Review	2w	█	█	█	█	█	█	█	█	█	█																																																		
Permitting	2w											█	█	█	█	█	█	█	█	█	█																																								
<b>2. Remedial Excavation</b>	4w																					█	█	█	█	█	█	█	█	█	█																														
Remedial Excavation & Sorting	3w																█	█	█	█	█	█	█	█	█	█																																			
Analytical Testing (Stockpile Characterization)	2d																										█	█																																	
Analytical Testing (Closure Confirmation Sampling)	2d																																																												
Excavation Backfill & Compaction	1w																										█	█	█	█	█																														
<b>3. Closure Report</b>	4w																															█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█					
Report Creation	2w																																				█	█	█	█	█	█	█	█	█	█	█	█	█	█	█										
Report Submittal & Review	2w																																																												

**FIGURE 18  
PROPOSED PROJECT  
SCHEDULE**

Project Name: Former Mistler Farm Property  
8405 Pedrick Road, Dixon, California

Project No.: G01012014-01	Drafter: EWG Review: EWG	Revision Date: 02/02/2015
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**FIGURE B-11.1A  
EMERGENCY FACILITY  
LOCATION MAP  
(PRIMARY)**

**Project Name:** Former Mistler Farm Property  
8405 Pedrick Road, Dixon, California

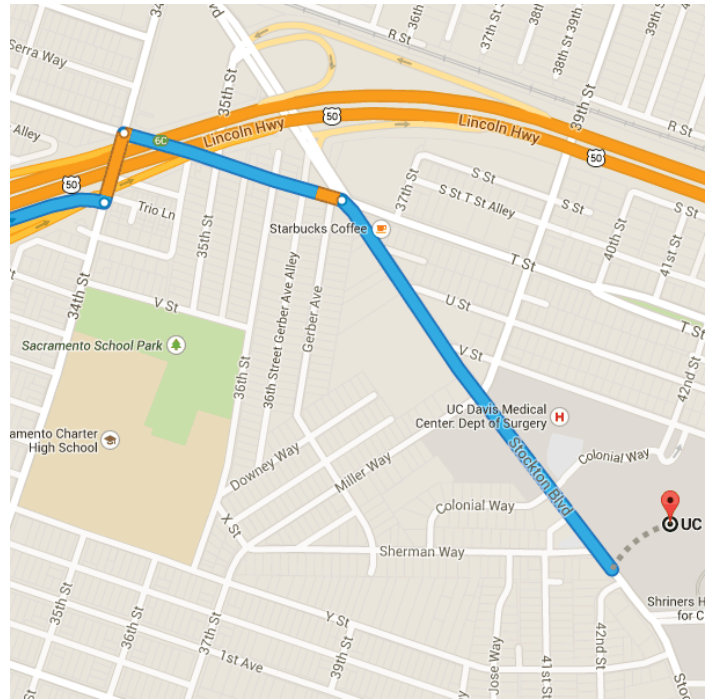
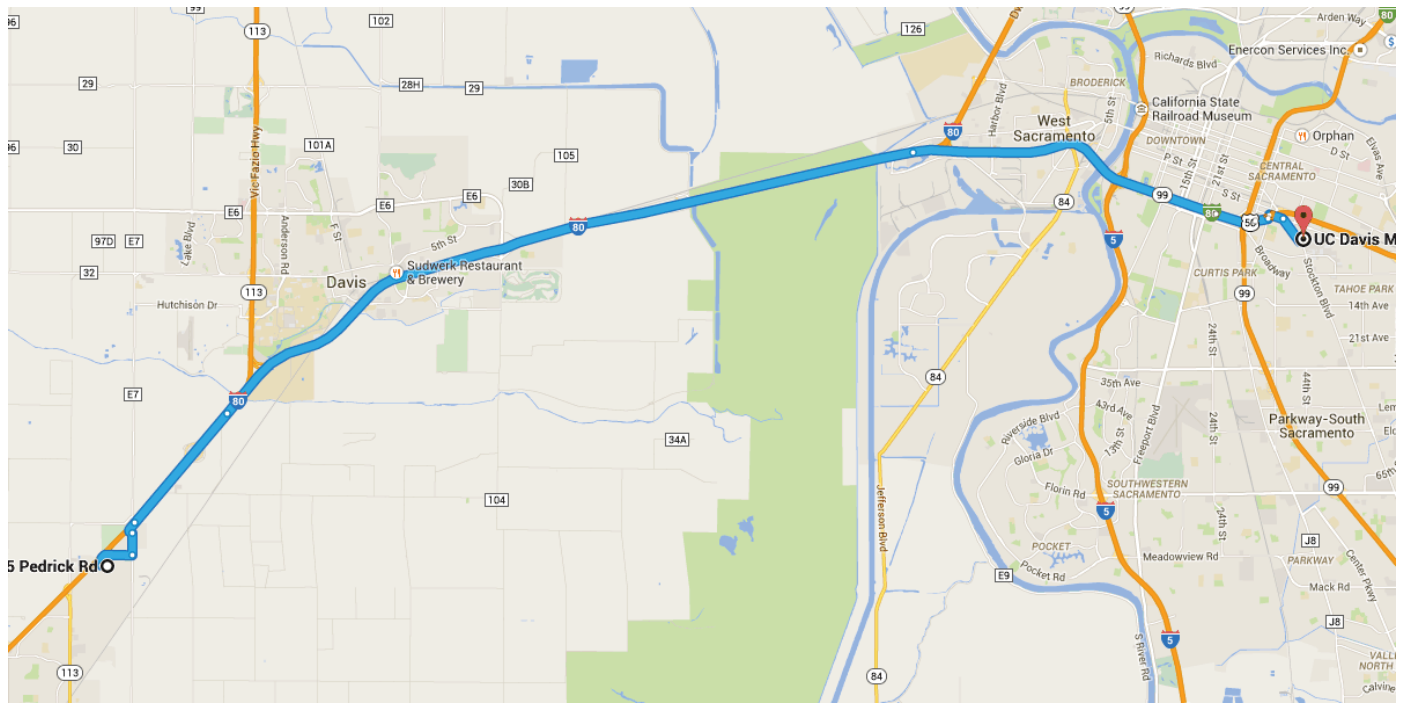
**Project No.:**  
G01012014-01

**Drafter:** EWG  
**Review:** EWG

**Revision Date:**  
11/11/2014



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**FIGURE B-11.1B  
EMERGENCY FACILITY  
LOCATION MAP  
(ALTERNATE)**

**Project Name:** Former Mistler Farm Property  
8405 Pedrick Road, Dixon, California

**Project No.:**  
G01012014-01

**Drafter:** EWG  
**Review:** EWG

**Revision Date:**  
11/11/2014



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**APPENDIX A**  
**SERVICE CLASSES**

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## ATTACHMENT - SERVICE CLASSES

### DETECTION

Detection provides a rendering of raw processed data with no further analysis or additional derivation (e.g., contouring or inverse modeling). This is sometimes all that is necessary during the scoping stage of a project. When larger areas are covered and greater volumes of data are collected, the subsurface picture begins to emerge. This is because fewer puzzle pieces are missing and the surrounding context is better distinguished. With smaller areas, this approach proves difficult as so little information is obtained.

### CHARACTERIZATION

Characterization goes beyond detection by classifying anomalous features through parsing through the criteria of size, geometry, and coupled geophysical properties (e.g., high conductivity, high magnetic susceptibility). If a feature, for example, appears long and linear, it likely represents a utility, such as a pipe or cable. A circular or focal-shaped feature may be a manhole, well, or mine shaft. Similarly, a rectangular feature, depending upon size and material, may represent a utility box, a concrete pad, structural footings, etc. Large datasets have the advantage of making results relatively self-evident. The combination of detection and characterization services is a fairly straight forward automated process because geometric patterns can be readily recognized. In complex settings, it may be necessary to contour the data or run inverse models.

### INTERPRETATION

Interpretations are made using contextual information such as aerial photographs, historic maps, knowledge regarding the local geology and soils, the background matrix (assumed to represent the landscape/landforms), as well as scale, shape, distribution, and depth of anomalies detected after parsing through the various receiver responses for both AC and MS. Also considered, in explaining/ interpreting anomalies, are possible interferences from overhead power lines, microwave and radio towers, surface infrastructure, parked or passing vehicles, and spherics (lightening). Buried infrastructure, such as pipes, generally manifest as linear configurations in plan view.

### IDENTIFICATION

Identification is the act of physically confirming the presence/ nature of detected objects/features/conditions. This is important because, depending on local conditions, different subsurface features can produce similar geophysical signatures. Conversely similar subsurface features can produce different signatures, again depending on local conditions. High conductivity for example, may be caused by clay or brackish saturated sand, making interpretation difficult without some form of ground truth to determine the cause of the anomaly in geophysical data. There are several forms of ground truthing. Ground truth methods range from inexpensive and non-invasive (visual inspection for surface indicators), to moderately invasive (small diameter hand augers and hand-digging), to costly and invasive (drilling and excavating with a backhoe).

### Detection

#### Anomalies (Listed)

#### Criteria

- Metrics
- Patterned
- Presence/Absence

#### 2D Description

- False Positives
- False Negatives

#### Metrics

- Area (L x W x Depth)
- Orientation (compass)

### Characterization

#### Unconstrained Model

#### EM Data (only)

#### 2D Description

- Geometry
  - Point
  - Linear
  - Polygon
- Metrics
  - Area (L x W x Depth)
  - Orientation (compass)

- Non-patterned
- Patterned

#### 3D Description

- Metrics
  - Area (L x W x Depth)
  - Declivity
  - Orientation (compass)
  - Volume

#### Constrained Model

#### EM Data + Other Studies

- Geometry
- Metrics
- Non-patterned
- Patterned

#### 3D Description

- Metrics

### Interpretation

#### Contextual

- Research
- Patterns

#### Model

#### 3D Description

- Depth
- Material
- Spatial Relationships

#### Statistics

- Counts
- Ratios

### Identification

#### Ground Truth

#### Independent Lines

- Historical Records
- Bore Sample

**APPENDIX B  
SITE-SPECIFIC  
HEALTH AND SAFETY PLAN (HASP)**

---

## B-1.0 INTRODUCTION

This Site Specific Health and Safety Plan (HASP) describes the health and safety procedures for the work activities planned at the Former Mistler Farm Property located at 8405 Pedrick Road, in the City of Dixon, Solano County, California. Tremaine and Quest personnel will abide by this HASP. It is intended that all project work will comply with applicable codes and regulations of the California and the United States Occupational Safety and Health Administration (CalOSHA/OSHA). Each field team member working on this project will have the general responsibility to identify and correct any health and safety hazard and strive to keep the work place safe.

### B-1.1 Project Description

The proposed work performed by Tremaine, Quest and their subcontractors will include the geophysical survey of a former landfill at the Site.

### B-1.2 Key Personnel and Responsibilities

The following personnel who will have the overall responsibility for the safe operation of this investigation are:

- ❑ Project Director: Eric W. Garcia
- ❑ Project Safety Officer: Eric W. Garcia
- ❑ Task Safety Leader: Eric W. Garcia

It is the responsibility of the above-designated personnel to:

- ❑ Implement the site safety training program for project field team members as described in this document;
- ❑ Assure that field personnel have read, understand and acknowledge in writing this HASP;
- ❑ Establish effective traffic and pedestrian control around the drill or excavation site;
- ❑ Insure the adequate drilling or excavation site security is maintained;
- ❑ Perform workplace surveillance for flammable/explosive conditions and insure that there is a portable fire extinguisher located on-site;
- ❑ Provide nitrogen gas for the down-hole flushing of vapors if conditions are deemed to be appropriate;
- ❑ Observe activities to insure the proper use of personal protective equipment such as hard hats, protective eye-wear, coveralls (Tyvek, etc.), respirators, gloves, and steel-toe boots, etc.;
- ❑ Inspect safety equipment for use by all field personnel to insure that it has been maintained and is in a usable condition;
- ❑ Shut down or modify field work activity based on the criteria presented in Section B-8.0 and B-11.0;
- ❑ Initiate outside emergency phone calls when an emergency or accident requires medical attention; and
- ❑ Insure that all field personnel meet or exceed the minimum requirements for health and safety training, medical monitoring, and respiratory fit testing as required by OSHA 29 CFR 910.120.

All field personnel will have a responsibility to:

- ❑ Read, understand, and follow this plan;
-

- 
- ❑ Perform work safely;
  - ❑ Report any unsafe conditions to the immediate supervisor;
  - ❑ Be aware and alert for signs and symptoms of potential exposure to site contaminants and health concerns;
  - ❑ Attend the Site safety training program meeting;
  - ❑ Insure drilling equipment and other machines are properly inspected and maintained and in compliance with applicable sections of the CalOSHA/OSHA Health and Safety Codes; and
  - ❑ Maintain safety related equipment such as hard hats, Tyvek coveralls (or equivalent), gloves, safety eye-ware, respirators, etc., as specified in this plan.

## B-2.0 HAZARD EVALUATION

This HASP addresses specific on-site work activities related to the drilling, excavation and the collection of samples and data from the project site. While the basic Work Plans and HASPS are by now very familiar to Quest field crews, work on certain sites, particularly in Category A, B, and C protective equipment, involve exposure potentials to various contaminants and possibly to contaminants at unpredictable levels.

Based on the historical and technical data available, this HASP covers anticipated activities and hazards, and makes provision for modification or amendment as health-related data is obtained during this investigation. This HASP will be amended with site-specific hazard(s) identified as posing potential health hazards for workers. For select sites, the Project Safety Officer will conduct a preliminary survey involving air and bulk soil sample analysis, and amend the HASP as needed.

As analytical data become available, the Health and Safety Task Leader will evaluate the information. The Project Safety Officer or the Task Safety Leader will initiate appropriate action in the form of Work/Health and Safety Plan Modifications.

The anticipated activities of this investigation will include:

- ❑ The advancement of six (6) soil probe locations using Geoprobe®;
- ❑ Installation of temporary monitoring wells;
- ❑ Direct reading hydrocarbon monitoring by Photo Ionization Detector (PID) of ambient conditions during drilling and excavation activities;
- ❑ Collection of sixteen (16) soil and an two (2) groundwater samples for chemical analysis;
- ❑ Sample preparation packaging and shipment of samples for chemical analysis; and
- ❑ Analysis of selected samples by subcontracted laboratories (not covered under this HASP).

The general categories of hazards associated with this investigation are:

- ❑ Physical hazards: cuts, contusions, slips, trips, falls, being struck by moving objects, being caught by rotating objects; also muscular injury potentially caused by overexertion or improper movement (e.g. back injury due to improper lifting), etc.;
  - ❑ Electrical hazards: possible excavation of buried cables, exposure to overhead power lines, wet electrical cords, removal of power equipment, etc.;
-



- ❑ Chemical hazards: exposure to chemicals/contaminants listed in Section B-4.0 of this HASP and exposure to extraction solvents, etc.;
- ❑ Fire hazards: possible excavation of buried utilities, flammable petroleum hydrocarbons, equipment fires, etc.;
- ❑ Thermal (heat stress) hazards: exposure to outside temperature extremes, and/or increased body temperatures while wearing protective clothing/equipment, etc.;
- ❑ Acoustical hazards: exposure to excessive noise created by drilling operations and/or related to the site-specific operations, etc.; and
- ❑ Routine job related hazards in the subcontractors' laboratory. This HASP covers neither these hazards nor any activities performed in the subcontractors' laboratory.

Job hazard analyses associated with most major work activities are presented in the following sections.

#### B-2.1 Soil Probing and Hollow-Stem Auger Drilling

Hollow-stem auger drilling activities will potentially expose field personnel to the following hazards.

##### B-2.1.1 Chemical hazards

Potential exposures to chemical hazards associated with hollow-stem augering include the following:

- ❑ Exposure to various chemical substances, including, but not limited to, petroleum hydrocarbon liquids and vapors, caustic and acidic mists, and petroleum contaminated soils, sledges, or liquids. Certain precautions may be necessary to properly control the potential fire/explosion/health hazards associated with these chemicals.

##### B-2.1.2 Physical hazards

Potential exposures to physical hazards associated with hollow-stem augering include the following:

- ❑ Snapping cables;
- ❑ Brush, equipment, gas-main, or hydrocarbon fires;
- ❑ Being hit by equipment;
- ❑ Becoming entwined in rotating tools;
- ❑ Falling objects;
- ❑ Exposure to excessive noise;
- ❑ Exposure to outside temperature extremes;
- ❑ Exposure to the potential for heat exhaustion due to protective clothing;
- ❑ Slip, trips, and falls;
- ❑ Buried cables and underground utilities;
- ❑ Overhead utility hazards; and
- ❑ Not using the proper tool for the job.

##### B-2.1.3 Heat Stress/Stroke and Noise

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During day-to-day fieldwork, the on-site engineer/geologist and/or Project Safety Officer will be alert for the signs and symptoms of heat stress. Potentially hazardous situations exist when individuals are required to work in warm or hot temperatures while wearing protective clothing. When the ambient air temperature exceeds 85°F, heat stress may become a problem. For an un-acclimated person, this temperature may be less. If these conditions are encountered, the following precautions will be taken:

- ❑ The on-site engineer/geologist or safety officer will regularly monitor the ambient air temperature; and
- ❑ Field team members will be observed for the following signs and symptoms of heat stress:
  - ❑ Profuse sweating;
  - ❑ Skin color change;
  - ❑ Increased heart rate;
  - ❑ Vision problems; and
    - Body temperatures in excess of 100°F as measured by fever detectors (forehead strips may also be used).

Any team member who exhibits any of these signs or symptoms will be removed immediately from field work and be requested to remove impervious clothing, and consume electrolyte fluid or cool water while resting in a shaded area. The individual will be instructed to rest until the symptoms are no longer recognizable. If the symptoms appear critical, persist, or get worse, immediate medical attention will be sought.

While working around drilling equipment, the potential exists for exposure to excessive noise. If noise levels are known/believed to exceed 85 dBA-8 hours per day, all individuals will be instructed to use adequate hearing protectors (ear plugs). All field team members will be given background and annual evaluations. All field team members have been/will be trained in noise hazards and how to wear protective equipment.

#### B-2.4 Sampling for Chemical Analysis

Soil samples will be collected for the purpose of observation, soil logging, and chemical analysis. Some of these samples may contain high levels of hazardous materials creating the potential for chemical inhalation exposure, skin contact, and possibly even ingestion. These activities may pose one of the greatest risks of chemical exposure for the remedial action work plan. Appropriate worker training, protective measures, and medical monitoring will be enforced to control this health hazard potential.

#### B-2.5 Packaging and Shipment of Samples

After the samples have been collected in sample containers, they will be promptly packaged to protect shipping personnel. The hazards associated with shipping samples are minimal, provided care is taken to prevent the containers from leaking or breaking. Additionally, sample containers will be plainly marked in case of exposure.

#### B-2.6 Sample Preparation and Analysis

The preparation of samples for analysis may expose the technician to routine hazard associated with laboratory work. Standard laboratory safety procedures should be used to prepare and analyze these

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samples. The samples should be treated carefully and handled inside a properly operating fume hood due to their potentially volatile and hazardous nature. In the event of a mishap, the laboratory supervisor should be notified immediately.

### B-3.0 SAFE WORK PRACTICES & LEVEL OF PERSONAL PROTECTION

The following sections present procedures on how to adequately address the primary potential hazards encountered in the different tasks of this project. The standard level of personal protection is also defined.

Based on the work to be performed and the type of chemical hazards that may be encountered, EPA Level D personal protection has been determined to be adequately protective and suitable for most of the tasks in this project. Certain tasks may require a higher level of protection, such as air-purifying or air-supplied respirators. These determinations will be made by the Project Safety Officer or Task Safety Leader and will be specified as amendments to this section of the HASP.

#### B-3.1 Potential Fire/Explosion Hazard

Due to the flammable nature of the hydrocarbons, the Quest task leader will carefully monitor explosive vapor conditions. The lower explosive limit (LEL) for gasoline hydrocarbons is approximately 1.4% in air. Using a 10-fold safety factor, a working criterion of 1,400 parts per million (ppm) (10% LEL) as measured by a PID is established for explosion hazards. This criterion is based on the LEL of gasoline. Should total hydrocarbon levels of 1,400 ppm or above be detected near the perimeter of the excavation, work will be stopped until hydrocarbon concentrations diminish below the set criteria. Additionally, if measurements obtained near the boreholes reveal this concentration, nitrogen gas will be injected into the well to reduce the possibility of explosion. Additionally, the field crew will be instructed to stay upwind until these conditions diminish. Gasoline range hydrocarbons may also be present in soil encountered during this investigation.

#### B-3.2 Potential Health Hazards

Depending on the conditions encountered, the Task Safety Leader in coordination with the Project Safety Officer may increase or decrease the level of personal protection required for all field team members. Such decisions will be made based on the initial and periodic measurement of the breathing zone concentrations of petroleum constituents by PID and on other data collected as work is conducted at the site.

Generally speaking, EPA Level D Personal Protection will be in accordance with the following guidelines:

- ❑ Hard hat;
- ❑ Safety glasses;
- ❑ Ear plugs (as required); and
- ❑ Steel-toe boots.

Some guidelines representing EPA Level C personal protection that may be used are:

- ❑ Tyvek coveralls (or equivalent), neoprene boots and rubber gloves (to be worn by any personnel who handle contaminated drilling equipment);
  - ❑ Individuals at drilling or excavation sites not directly exposed to contaminated soils or liquids may not need to wear Tyvek coveralls due to the increased hazards of heat stress when wearing this type of clothing;
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- ❑ Latex or PVC disposable gloves should be worn under butyl rubber or nitrile gloves to provide an extra measure of hand protection when handling heavily contaminated soils and water samples;
- ❑ Chemical splash goggles will be worn when increased splash hazards exist, such as steam cleaning activities, or during the handling of contaminated liquid samples; and
- ❑ Respiratory protection will be worn during drilling and excavation activities that expose workers to hazardous levels of airborne contaminants. Direct reading personal breathing zone monitoring will be performed. The criteria established for the use of respiratory protection are discussed in Section B-4.0.

### B-3.3 Potential Heat Stress Hazards

During conditions when the temperature, humidity, and/or radiant heat are high and air movement is low, the following procedures will be followed to prevent heat stress hazards for workers wearing protective clothing/equipment:

- ❑ Work activity will be limited to reduce the amount of heat naturally produced by the body. Alternating work and rest periods will be used in high potential conditions. For example, in moderate conditions, 5-minute rest breaks in the shade with 60-minute work periods in the sun may be desirable. Under severe conditions, the duration of rest periods will be increased as necessary;
- ❑ Heavy work will be performed during the cooler periods of the day when feasible;
- ❑ Under heat stress conditions, special attention will be given toward assuring workers replace lost body fluids. Each company will provide adequate supplies of cool drinking water or electrolyte solution for their own employee's use. Workers will be instructed in the need to replace fluids throughout the working day; and
- ❑ Special care and attention will be paid to field crewmembers that may not be acclimated to the area.

### B-3.4 Potential Noise Hazards

Issuance and use of hearing protection as instructed by the Task Safety Leader or Project Safety Officer will control exposure to excessive noise.

### B-4.0 HYDROCARBON VAPOR HAZARD CRITERIA

Exposure to elevated levels of hydrocarbon vapors present potential health risks that must be addressed. Work practices and methods will be used to limit exposures. Where elevated exposures persist, respiratory protection will be used to protect personnel from inhalation of hydrocarbon vapors. The hydrocarbon vapors expected to be encountered during the field portion of the work plan are composed of a variety of volatile refined petroleum constituents. Most of these chemicals have limited toxicity thus requiring minimal controls at the concentrations that are anticipated to be encountered. There are certain components, such as benzene vapors, that present significant toxicological hazard and must be properly controlled. Water, soil, and vapor samples collected near the point of release commonly contain benzene at 1% of the total hydrocarbon constituents. Criteria for the use of respiratory protection are based on limiting potential exposure to benzene.

A limit of 100-ppm total hydrocarbon is proposed as the maximum acceptable level of exposure without respiratory protection. A PID will be used to measure real-time breathing zone concentrations for comparison with the 100-ppm limit. When a persistent level of 100 ppm is noted to exist, field team

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members will don an appropriate respirator. In a typical situation, 1% of the hydrocarbon vapor being benzene, a 100-ppm concentration of total hydrocarbon would result in a breathing zone level of less than 1-ppm benzene. This level is one tenth of the Permissible Exposure Limit (PEL) for an 8-hour occupational exposure to benzene.

To assure benzene exposures are below a 1-ppm limit, Sensidyne (or equivalent) benzene detector tubes will be used if PID measurements indicate persistent hydrocarbon levels above 30 ppm. These detector tubes are not compound specific and may respond to other less petroleum hydrocarbons such as toluene, xylene, and ethylbenzene. In the event that benzene detector tube measurements indicate that benzene levels exceed 1 ppm, respirators will be required.

If benzene concentrations exceed 10 ppm, work will cease. The field crew will be instructed to stay upwind of the borehole/excavation until the concentrations subside. This is considered a conservative approach since the Sensidyne detector tubes may respond to several hydrocarbons other than benzene.

Table B-4.1 summarizes the various hydrocarbon vapor concentrations and appropriate responses to prevent exposure to these potential vapor hazards.

Table B-4.1 - Hydrocarbon Vapor Criteria and Responses

Hydrocarbon Concentrations	Response
<30 ppm TVH General Work Areas	<input type="checkbox"/> Limited hazard, no special action.
30 - 100 ppm TVH General Work Areas	<input type="checkbox"/> Benzene detector tube measurements taken every 30 minutes.
100 - 1,400 ppm TVH General Work Areas	<input type="checkbox"/> Half-mask organic vapor respirators worn by all in work area. <input type="checkbox"/> Benzene detector tube measurements taken every 30 minutes.
>600 ppm TVH Well Head Emissions	<input type="checkbox"/> Flush down hole with nitrogen gas.
>1,400 ppm TVH General Work Areas	<input type="checkbox"/> Half-mask organic vapor respirators worn by all in work area. <input type="checkbox"/> Benzene detector tube measurements taken every 15 minutes until levels are well below 1 ppm.
>10 ppm Benzene General Work Areas	<input type="checkbox"/> Work stops; procedures taken to subdue excessive vapor levels. <input type="checkbox"/> Benzene detector tube measurements taken every 15 minutes until levels are well below 1 ppm.

## Notes:

TVH = Total Volatile Hydrocarbons

ppm = Parts per million

## B-5.0 PERSONAL PROTECTIVE CLOTHING/EQUIPMENT REQUIREMENTS

This section specifies personal protective clothing/equipment required for the various tasks to be performed during this investigation. Table B-5.1 summarizes these requirements.

## B-5.1 Probing, Drilling and Excavation Operations

- Respiratory Protection: All field personnel will be required to have available for use a properly fit tested half-mask air purifying respirator with organic vapor cartridges and particulate pre-filters. These will be required to be worn based on the criteria listed in Section B-4.0;
- Protective Clothing: All field personnel who handle contaminated soils, liquid, or equipment will wear semi-permeable (white) Tyvek coveralls (or equivalent). Company issued safety helmets will be worn by all personnel during the field work;

- ❑ Hand Protection: All personnel handling auger flights and contaminated soils will wear Butyl rubber or nitrile gloves. Wearing disposable latex or PVC gloves under the butyl gloves will provide added protection and aid in a more effective decontamination process;
- ❑ Ear Protection: Based on anticipated on-site noise measurements, field personnel may be required by the Task Safety Leader or Project Safety Officer to wear hearing protection devices (ear plugs) during drilling operations;
- ❑ Eye Protection: Each field team member will wear a minimum of impact-resistant safety glasses with attached side shield. Where splashes of potential hazardous liquid or flying particles are likely, chemical safety goggles will be required in place of safety glasses; and
- ❑ Foot Protection: Field personnel will wear neoprene rubber boots with steel toes and shanks. Under non-liquid exposure conditions, leather boots with steel toes and shanks are permissible. The boots will be taped to the leg of Tyvek suits. Rubber gloves, Tyvek coveralls, and neoprene boots may not be required if soil or water is not obviously contaminated, or if PID measurements of the soil samples collected during the investigation are below 500 ppm.

#### B-5.2 Sample Collection

Personnel who may be exposed to contaminated samples and/or liquid splashes will be required to wear the following equipment:

- ❑ Respiratory Protection: All field personnel will be required to have available for use a properly fit tested half-mask air purifying respirator with organic vapor cartridges and particulate pre-filters. These will be required to be worn based on the criteria listed in Section B-4.0; and
  - ❑ Protective Clothing: All sampling personnel will wear semi-permeable (white) Tyvek coveralls (or equivalent) when contact with contaminated soil or liquids are likely to occur. Company issued safety helmets will be worn by all personnel during the field work.
-

Table B-5.1 - Personal Protective Equipment Requirements

Mandatory Items	Available Items
Excavation Operations	
Excavation Crew	
Tyvek Coveralls*	Respirator
Chemically Resistant Gloves*	Splash Goggles
Neoprene Safety Boots*	Ear Plugs
Safety Helmet	Safety Glasses
Geologists/Engineers	
Neoprene Safety Boots*	Respirator
Safety Helmet	Splash Goggles
Safety Glasses	Ear Plugs
	Tyvek Coveralls
	Chemically Resistant Gloves
Surveyors/Safety Personnel	
Neoprene Safety Boots*	Respirator
Safety Helmet	Splash Goggles
Safety Glasses	Ear Plugs
	Tyvek Coveralls
	Chemically Resistant Gloves
Packaging and Shipping Samples	
Sample Controller	
Safety Glasses	Respirator
	Chemically Resistant Gloves



Packaging and Shipping Samples	
Analyst	
Safety Glasses	Respirator
	Chemically Resistant Gloves

Notes:

\* = Not required if soil or water not visibly contaminated, or if PID measurements of the soil samples are below 500 ppm.

Hand Protection: Butyl rubber or nitrile gloves will be worn over disposable latex or PVC gloves;

- ❑ Eye Protection: Each field team member will wear a minimum of impact resistant safety glasses with attached side shield. Where splashes of potential hazardous liquid or flying particles are likely, chemical safety goggles will be required in place of safety glasses; and
- ❑ Foot Protection: Field personnel will wear neoprene rubber boots with steel toes and shanks. Under non-liquid exposure conditions, leather boots with steel toes and shanks are permissible. The boots will be taped to the leg of Tyvek suits.

B-5.3 Packaging and Shipment of Samples

- ❑ Hand Protection: Butyl rubber or nitrile gloves will be worn over disposable latex or PVC gloves;
- ❑ Eye Protection: Impact-resistant safety glasses with attached side shield will be worn while packaging samples for shipment; and
- ❑ Packaging and Shipping Requirements: All samples will be shipped strictly to a State-certified analytical laboratory. Shipping must comply with U.S. DOT regulations. The following instructions will be followed to comply with DOT regulations:
  - ❑ Seal all lids with tape;
  - ❑ Wrap the primary container with absorbent brown paper (wading);
  - ❑ Place the primary container in a plastic bags (zip-lock or equivalent);
  - ❑ Place into an “ice chest” with synthetic ice or equivalent;
  - ❑ Tape or secure the “ice chest” lid and secure with a chain-of-custody seal (if applicable); and
  - ❑ Classify the containers according to the DOT regulations.

In the event that samples are to be personally transported to the State-certified laboratory, some of the above packaging and shipping requirements may not apply. Any questions should be referred to the Project Manager.

#### B-5.4 Sample Preparation and Analysis of Samples

All laboratory safety practices should be accomplished in accordance with the specific laboratory's policy. Quest, its owners, clients, employees, and representatives are not responsible for safety on laboratory premises. Therefore, both shall be held harmless in the event of any mishap, accident, or long-term adverse health effects occurring or originating at the subcontractor laboratory.

#### B-6.0 WORK ZONE ACCESS

During drilling or excavation operations, a work zone shall be established and roped off. This zone should include all drilling equipment and/or other necessary equipment and its immediate vicinity. Only authorized personnel will be permitted to enter this work zone. Authorized personnel will include those who have duties requiring their presence in the work zone; have received appropriate health and safety training, and whose background medical records may be obtained to verify that the health of that individual is not at extreme risk by his/her presence.

#### B-7.0 DECONTAMINATION PROCEDURES

The Work Plan specifies initial drilling, excavation and sampling at areas where petroleum hydrocarbon contaminated soils, sledges, liquids, and/or vapors are anticipated. Due to the volatile nature of the petroleum hydrocarbons that may be encountered during the initial drilling, excavation and sampling operations, decontamination of equipment and vehicles will be of minimal importance since the volatile hydrocarbons will rapidly vaporize. However, contaminated sampling equipment and any obvious contaminant accumulations will not leave the project site. Field team members will also abide by the following guidelines to insure that contaminants will not remain in contact with their body:

- ❑ All personnel involved in the field portion of the work plan will be instructed to wash their hands, face, neck, and arms at the end of the workday. Quest will assure the presence of soap, water, and towels at the drilling site for this purpose. All crews will be instructed to shower at their home or lodging at the end of the workday;
- ❑ No eating, drinking, smoking, or chewing of gum or tobacco will be permitted in the work zone; and
- ❑ During the fieldwork, the nature of materials handled and the extent of contamination may require formal decontamination procedure and delineated work/clean zones. At the discretion of the Task Safety Leader, the work zones, described below, and decontamination procedures will be used to minimize the transfer of hazardous substances from the site so as to protect the environment and public health.

#### B-7.1 Work Zones

The field team shall prevent the uncontrolled movement of waste materials or hazardous substances from the drilling/excavation site. The team will prevent migration of site contaminants by using the following work zones and equipment/personnel decontamination procedures:

- ❑ Exclusion Zone: A 30-foot circle around any given bore hole or excavation will be defined before drilling or excavation starts. In most cases, the zone will be "roped off" with an applicable barricade tape. This designated area will constitute the "Exclusion Zone." This zone is where potentially hazardous surface contaminants as a result of the fieldwork and physical hazards to the workers will be
-

contained. Personal protection equipment will be required in this area according to the discretion of the Task Safety Leader and/or in accordance with the guidelines contained in this HASP. The size of the Exclusion Zone may be changed to accommodate site conditions and to ensure contaminant containment at the discretion of the Project Manager, Project Safety Officer, or Task Safety Leader. No personnel will be permitted into the Contamination Reduction Zone or the Exclusion Zone unless they are in full compliance with the existing HASP. All personnel must maintain the buddy system while in this zone. Intrinsically safe communications will be maintained with all personnel in this area;

- ❑ Contamination Reduction Zone: An area surrounding the Exclusion Zone will be defined. All personal decontamination activities will occur in this area. A waste container may be placed in this area so that contaminated disposal equipment can be placed inside and covered. Surface/soil contamination in this area may be controlled by use of some form of plastic sheeting; and
- ❑ Support Zone: A Support Zone must be defined for each field activity. Support personnel and/or equipment is located in this uncontaminated (clean) area. Normal Quest field uniforms are appropriate within this zone. The location of this zone depends on factors such as accessibility, wind direction, nearby roads, utilities, traffic patterns, shelter, etc.

#### B-7.2 Decontamination Protocol

Decontamination of personnel and equipment will be important to ensure that contamination does not spread to others. Personal decontamination mainly involves the removal of some outerwear and good personal hygiene habits. Contamination should never be in contact with skin. All field team members must follow this plan to ensure that contamination does not remain on equipment, sample containers, or their body.

- ❑ All field team members should remove their personal protective clothing in a certain sequence to avoid contaminating their inner clothing or themselves. When removing personal protective equipment, the following steps should be observed:
- ❑ Remove all equipment, sample containers, and notes and non-essential items while in the Contamination Reduction Zone. Decontamination solutions and/or a steam cleaner will be used to decontaminate all tools and sampling equipment;
- ❑ Remove outer gloves and boot covers and place them inside a garbage bag or drum;
- ❑ Remove tape from boots and gloves and remove the Tyvek Coverall (if used). Tyvek coverall removal should be accomplished by rolling the outside of the coverall inside itself so that only the inside of it is exposed. Boots, inner gloves, and respirator should still be worn; and
- ❑ Remove the inner gloves and respirator when in the Support Zone.

#### B-7.3 Personal Hygiene Requirements

The following procedures should always be observed in the Support Zone:

- ❑ All personnel must wash their hands, face, neck, and forearms before consuming any foods or liquids, smoking, or using the restroom; and
  - ❑ All personnel must take a shower at the end of each workday. Particular attention should be given to areas of the body that are typically overlooked.
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## B-8.0 MONITORING PROGRAM

Personal exposure to ambient levels of airborne hazards and noise should be monitored or observed to insure that personnel exposures do not exceed acceptable limits and for the selection of protective equipment. Airborne contamination, down-hole, and excavation hydrocarbon vapor concentrations will be measured primarily by the use of a direct reading instrument such as a PID. If measured concentrations approach established levels, Sensidyne detector tubes will be used to determine the presence and concentration of benzene. Site visits/inspections may be conducted by the Project Safety Officer to insure compliance with this HASP.

### B-8.1 Photoionization Detector (PID)

During the site activities, the ambient air, drilling returns, boreholes, excavation, excavated soils, and soil samples will be screened with a calibrated portable PID. The PID is a direct reading real-time analyzer that is capable of detecting most of the volatile hydrocarbon constituents present in a vapor phase. The PID to be used for this investigation will use a 10.2 electron volt lamp and will be calibrated using an isobutylene calibration gas. Isobutylene is a relatively safe calibration gas similar to the ionization potential of benzene (the carcinogen of primary concern present in petroleum products).

### **B-8.2 Sensidyne Detector Tubes (or Equivalent)**

Sensidyne detector tubes will be used to determine airborne concentrations of benzene in the breathing zone during the site activities. A member of the field team will take detector tube readings if high PID measurements warrant. Readings will be taken in the area where the field team members are working. Sensidyne #121 benzene detector tubes will be used (measurement range 5-60 ppm). The detector tube pump will be inspected for proper operation prior to field operations.

## B-9.0 SAFETY AND HEALTH TRAINING

All field personnel will be trained in methods of safely conducting field activities. This HASP is intended to provide additional site-specific information to accomplish this goal. It will be the responsibility of the Project Directors, Project Safety Officer, and Task Safety Leader to ensure the field team has access to, read, and understands this plan. It will be the individuals' responsibility to bring to the attention of the Project Director or Project Safety Officer any portion of this plan and related training they do not fully understand. Prior to the commencement of the field portion of this investigation, the field team will meet to discuss the contents of this plan and make sure all members understand it.

At the site meeting, all field team members will be instructed regarding the health and safety hazards. Especially:

- Physical safety hazards;
  - Emergency procedures;
  - The hazardous materials that may be encountered and their potential routes of exposure;
  - Personal hygiene practices;
  - The types, proper use, inspection, limitations, maintenance, and storage of protective clothing and equipment (as applicable); and
-

- In the event that the ambient air temperature exceeds 85°F, a review of heat stress symptom recognition/corrective procedures will be conducted. For an unacclimatized person, this value may be less. Special emphasis will concern the use and limitations of respiratory protection. Half-mask respirators (or equivalent) equipped with air purifying organic cartridges will be used. Full-face respirators will be used if eye irritation or skin contact exposure potential exists.

Medical/physical fitness requirements to wear respiratory protection will be established by a physician; and individuals will be trained in the use, limitations, and maintenance of half-mask and full-face respirators including qualitative fit testing, routine inspection, replacement of parts, cleaning, disaffection, and storage requirements.

Copies of this entire HASP will be provided for each field team member at the project site, or prior to arrival.

#### B-10.0 MEDICAL MONITORING PROGRAM

The field activities at this site are expected to involve active physical work and potential exposure to petroleum hydrocarbons, and possibly other related hazardous substances. Exposure to heat stress, noise, and physical safety hazards may also be encountered. The work will require people of good health with normal vision and hearing. An industrial physician is periodically asked to provide documentation of employee medical fitness to perform the required work by Quest in the form of a signed document. This documentation should also indicate the employee's ability to perform the required work while wearing a respirator.

#### B-11.0 EMERGENCY RESPONSE PLAN

The emergency procedures described in this HASP are designed to give the field team guidance in handling medical emergencies, fires, explosions, and excessive emissions. These emergency procedures will be carefully explained to the field team during the on-site health and safety meeting.

##### B-11.1 Injuries

Medical problems must be quickly dealt with; a road map to the nearest emergency medical facilities (Figures B-11.1A & B) is kept in an envelope on the dash of each Quest field vehicle. The local emergency contact numbers are listed in Table B-11.1.

The field team is to seek immediate professional medical attention for all serious injuries. A first aid kit will be present at the work site for use in case of minor injuries. If any field team member receives a splash or particle in the eye, the eye is to be flushed for 15 minutes. Clean water or portable eyewash will be available for this purpose. Instruction will also be provided to wash any skin areas with soap and water if direct contact with contaminants has occurred.

During normal field activities, work clothes may become wet. If field team member's clothing becomes saturated with an obviously contaminated liquid/sludge, the possibility for dermal exposure to contaminants may exist. Under these circumstances, the field team member will change out of the contaminated clothing into clean clothing of the proper level of protection.

##### B-11.2 Fire and Explosion Hazards

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Fires will be of particular concern during this investigation due to the possibility of encountering flammable petroleum hydrocarbon liquids or vapors. An adequate multi-purpose (A, B, C) fire extinguisher will be located on-site at all times.

The local fire department will be notified by a Quest representative of the location and anticipated activities in order to provide a more timely response in the event of an emergency. In the remote chance that a fire does occur, the local fire department will be notified immediately. Additional calls to the main office of Quest will be made. The Project Director would then notify the client.

#### B-11.3 Operations Shutdown

Under certain extremely hazardous situations, the Project Director, Project Safety Officer, or Task Safety Officer may request that field operations be temporarily suspended while the underlying hazard is corrected or controlled.

During any sampling, drilling, or excavation activity, breathing zone PID measurements for petroleum hydrocarbons will be performed. If these levels exceed 30 ppm, detector tubes will be used to further quantify the benzene vapors present. If the level of benzene is detected above 1 ppmv or PID measurements are consistently in excess of 100 ppm, respirators will be required. If benzene is detected above 10 ppm in breathing zone detector tube samples, all activity will cease until these concentrations diminish. If PID measurements above 1,400 ppm occur, a potential fire hazard may exist. Under these circumstances, activities will be stopped until these levels are brought down. This may be accomplished by containerizing contaminated soils or liquids, covering contaminated soil with foam, visclean, or with clean soil to isolate the source.

#### B-11.4 Community Protection

To assure the community is not affected by the site work, upwind and downwind monitoring with the PID will be performed if the level of petroleum hydrocarbons in the general work area exceed 100 ppm. If site downwind monitoring indicates persistent levels above 300 ppm at the perimeter of the work area, work will be shut down until PID readings drop below 30 ppm. Alternatively, the exclusion zone may be extended to provide additional community protection.

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Table B-11.1 - Emergency Contacts

Emergency Facility	Telephone Number
Police:	911
Fire:	911
Paramedics:	911
Hospital #1: Sutter Davis Hospital (W. Covell Boulevard & Rising Court) 2000 Sutter Place, Davis, CA 95616	(530) 757-5111
Hospital #2 (alternate): UC Davis Medical Center (Stockton Boulevard & X Street) 2315 Stockton Boulevard, Sacramento, CA 95817	(916) 734-3790
Solano County Department of Resource Management 675 Texas St, Fairfield, CA 94533	(707) 784-6765
California Department of Toxic Substance Control (Berkeley Office)	(510) 540-3800

## B-12.0 RECORD KEEPING REQUIREMENT

The following record keeping requirements will be maintained in the health and safety or program file indefinitely:

- Copy of this Health and Safety Plan;
- Health and Safety training certification forms;
- Respirator training certification;
- Any accident/illness report forms; and
- Documentation of the employees' medical ability to perform work and wear respirators.

## B-13.0 HEALTH AND SAFETY PLAN SUMMARY

The purpose of this summary is for quick field reference for the commonly referred to items covered in the Site Specific Health and Safety Plan (HASP). It is not the intent of this summary to replace or supersede the information referred to in the HASP.

Anticipated Clothing/Equipment	
Hard Hat	No Respirator
Ear Plugs	Half-face Air Purifying Respirator
Gloves (Work /Nitrile )	Full-Face Air Purifying Respirator
White Tyvek Coveralls	Supplied Air Respirator
Yellow Tyvek Coveralls	Steel Toe/Shank Boots (Work/Rubber)
Safety Glasses	
Safety Goggles	

## Emergency Contacts

Emergency Facility	Telephone Number
Police:	911
Fire:	911
Paramedics:	911
Hospital #1: Sutter Davis Hospital (W. Covell Boulevard & Rising Court) 2000 Sutter Place, Davis, CA 95616	(530) 757-5111
Hospital #2 (alternate): UC Davis Medical Center (Stockton Boulevard & X Street) 2315 Stockton Boulevard, Sacramento, CA 95817	(916) 734-3790
Solano County Department of Resource Management 675 Texas St, Fairfield, CA 94533	(707) 784-6765
California Department of Toxic Substance Control (Berkeley Office)	(510) 540-3800

NOTE: For additional information regarding this project site, please refer to the Site Specific Health and Safety Plan for this fieldwork.





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Environmental Health Division

March 16, 2015

THE STRONACH GROUP/OCALA MEADOWS LANDS, LLC  
ATTN: MR. LYLE STRACHAN  
455 MAGNA DR  
AURORA, ONTARIO L4G 7A9

RE: **Remedial Action Plan Approval**, Former Mistler Trucking Company, 8405 Pedrick Road,  
APNs 0111-040-010, 020,030,040, and 0111-080-050, Dixon, CA. Solano County File # **29-80336**.

Dear Mr. Strachan:

The purpose of this letter is to notify the Responsible Party of the status of the correspondence. On March 11, 2015, the Solano County, Department of Resource Management (SCDRM) received the *Remedial Action Plan (RAP) for Mistler Farm Landfill & Refuse Area*, dated April 4, 2014, prepared by Tremaine & Associates. The RAP included results of the geophysical survey that identified the boundaries of the buried refuse. Based on the geophysical investigation, the former landfill is approximately 70 feet east/west by 205 feet north/south and extends to a maximum of 19.7 feet at the deepest area. A volume of 5,200 cubic yards is estimated to consist of buried refuse material.

The proposed work includes excavating, characterizing and sorting the waste for recycling/reuse and off-site disposal. Confirmation sampling is proposed to be conducted for the excavated material and in the excavation following removal. The proposed work is approved as presented.

- Please contact this office a minimum of 48-hours prior to initiating the field work.
- Reports and documentation shall be uploaded to the State Water Resources Control Board web site GeoTracker. Hard copies of all correspondence shall also be submitted to this Department and the Regional Water Quality Control Board.

If you have any questions regarding this notice, please contact me at (707) 784-6765.

Sincerely,

Handwritten signature of Misty C. Kaltreider in black ink.

Misty C. Kaltreider, CHMM, PG, CEG  
Engineering Geologist

CC: Mike Fischer, Central Valley RWQCB, 11020 Sun Center Dr., # 200, Rancho Cordova, CA 95670  
Kim Tremaine, Tremaine & Assoc, 1220 Smith Ct, Dixon, CA 95620

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DEPARTMENT OF RESOURCE



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Environmental Health Division

March 20, 2019

THE STRONACH GROUP/OCALA MEADOWS LANDS, LLC  
ATTN: MR. LYLE STRACHAN  
455 MAGNA DR  
AURORA, ONTARIO L4G 7A9

RE: **Case Status Remedial Action Plan Approval**, Former Mistler Trucking Company, 8405 Pedrick Road, APNs 0111-040-010, 020,030,040, and 0111-080-050, Dixon, CA. Solano County File # **29-80336**.

Dear Mr. Strachan:

The purpose of this letter is to notify the Responsible Party of the status of the correspondence. In a letter dated March 16, 2015, the Solano County, Department of Resource Management (SCDRM) conditionally approved the proposed *Remedial Action Plan (RAP) for Mistler Farm Landfill & Refuse Area*, dated April 4, 2014, prepared by Tremaine & Associates. To date, no information has been submitted to this office regarding the status of the approved work.

In January 2019, we inquired about the status of the case and informed Mr. Alexander Mokin of Stornach Group that Solano County is discontinuing the site mitigation program, as such; cases that remain active on June 30, 2019 will be transferred to the Regional Water Quality Control Board.

In order to assess the status of the case, please submit a status of the remedial action work and an implementation timeline by **April 15, 2019**.

If you have any questions regarding this notice, please contact me at (707) 784-6765.

Sincerely,

A handwritten signature in black ink that reads "Misty C. Kaltreider".

Misty C. Kaltreider, CHMM, PG, CEG  
Hydro-Geological Analyst

CC: Tremaine & Assoc, 1220 Smith Ct, Dixon, CA 95620

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Building Official  
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MIKE YANKOVICH  
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CHRIS DRAKE  
Parks Services  
Manager  
Parks

ROBERTA GOULART  
Water & Natural  
Resources Program  
Manager



September 21, 2020

5G Consulting Group, LLC  
Attention: Steve Gidaro  
401 Watt Avenue, Suite 4  
Sacramento, CA 95864

**SITE INVESTIGATION**  
**ABANDONED MISTLER FARM LANDFILL**  
**PEDRICK ROAD PROPERTY**  
8405 Pedrick Road  
Dixon, Solano County, California  
*Brusca Reference No. 347-001*

## **INTRODUCTION**

In accordance with your request, our firm performed environmental investigation within the area of an abandoned landfill at the subject site. The abandoned landfill is situated within the far westerly portion of an area that previously was operated as a farm facility (Mistler Farm) and received a variety of wastes that apparently were generated at the farm facility starting around the 1970s. The purposes of the investigative work have been to characterize the extent and nature of the landfilled wastes and to evaluate whether the past landfilling activities resulted in significant soil, groundwater, and/or soil gas impact. An objective of the investigation has been to develop data to assist in the consideration of appropriate measures for regulatory agency closure of the landfill and associated costs. Our scope of work included: review of past investigations of the landfill; a geophysical survey of the landfill area; exploratory trenching within the landfill and the collection of landfilled waste and underlying soil samples for laboratory analysis; the advancement of borings within and surrounding the landfill and the collection of groundwater samples from the borings for laboratory analysis; and, the installation of temporary soil gas probes within and surrounding the landfill and the collection of soil gas samples from the probes for laboratory analysis. This report presents our findings.

A *Vicinity Map* and an *Aerial Photograph* showing the location of the subject site are presented as Plates 1 and 2. A *Historical Aerial Photograph* dated 1974 showing the former onsite Mistler Farm facility and an apparent open excavation in the area of the landfill is presented as Plate 3. Plate 4 is a detail map of the landfill area showing our exploratory and sampling locations, as well as the approximate limits of the landfill. Logs of the exploratory trenches are presented as Plates 5 through 8, and boring logs are presented as Plates 9 through 15. Laboratory analytical data for waste samples collected in the area of the landfill are summarized on Table I, and results of soluble metals testing performed on some of these samples are presented on Table II. The results of laboratory testing performed on samples of native soils underlying the landfilled



wastes are summarized on Table III. Groundwater and soil gas analytical data are summarized on Tables IV and V, respectively. The laboratory reports and chain-of-custody documentation are presented in Appendix A, and drilling permit documentation is presented in Appendix B.

In addition to the abandoned landfill investigation discussed herein, our firm recently performed environmental investigation within other portions of the former Mistler Farm facility; those results are presented under separate cover.<sup>1</sup> Additionally, we are completing a *Phase I Environmental Site Assessment* of a larger property (approximately 257 acres) of which the subject property is a part; the Phase I report will be completed in the near future and will include a summary of the information contained herein.

### **SITE DESCRIPTION AND BACKGROUND**

The former Mistler Farm property occupies an approximate seven-acre area within the far southwesterly portion of APN 111-040-010 northeasterly of Dixon in Solano County, California (see Plate 1). The property is addressed as 8405 Pedrick Road, and the area of the former farm facility is situated about 1,600 feet westerly of Pedrick Road and about 1,300 feet southerly of Interstate 80 (see Plate 2). The farm facility area is relatively flat, vacant, and generally bordered by irrigation ditches, beyond which are farmed areas. The former farm facility area generally is currently unused, except for occasional storage of hay. A large number of beehive boxes are situated on the far easterly portion of the former farm facility area.

It is indicated that an open pit was excavated within the far westerly portion of the former Mistler Farm facility around the early 1970s, and that various wastes (presumably generated at the farm facility) were disposed/landfilled in the pit. An aerial photograph from 1974 showing the former farm facility and the open pit measuring about 40 feet wide by about 160 feet long on the westerly portion of the site is presented as Plate 3; the shadow evident in the aerial photograph along the westerly edge of the pit suggests that the north and south ends of the excavation likely were sloped.

Currently, ground surfaces within portions of the former landfill area are depressed up to about three feet with respect to surrounding grades, possibly due to settlement of landfilled materials. Irrigation ditches generally border the abandoned landfill area to the west and north. An irrigation water standpipe and associated horizontal supply pipe at ground level are situated southwesterly of the landfill area; we understand that these irrigation water features are connected to a major, north-south trending underground Solano Irrigation District supply line westerly of the landfill beneath the unpaved farm access road in that area. A few small trees/bushes are located within the landfill area, and scattered debris/rubbish is evident at the surface. Surficial debris in the area of the abandoned landfill includes abundant fragments of concrete roof tiles. Broken concrete roof tiles also are evident on the site surface throughout other portions of the former Mistler Farm facility area.

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<sup>1</sup> Brusca Associates, Inc.; "Site Investigation, Former Mistler Farm Facility, Pedrick Road Property, 8405 Pedrick Road, Dixon, Solano County, California"; September 21, 2020.



## PAST INVESTIGATIONS

### 2001 AMEC Phase I Environmental Site Assessment

A *Phase I Environmental Site Assessment* of a larger area of land (approximately 225 acres) including the former Mistler Farm facility and the former landfill area was performed by AMEC Earth and Environmental (AMEC) in 2001.<sup>2</sup> The Phase I report indicated that the landfill contained a variety of materials, including domestic trash, automotive parts, and building materials; the Phase I report identified the abandoned landfill as a *recognized environmental condition* and included recommendations for removal of the landfilled materials for disposal at a suitable offsite waste facility.

### 2005 CRA Investigation

In 2005, Conestoga-Rovers & Associates (CRA) performed subsurface investigation in the area of the abandoned landfill at the site.<sup>3</sup> The CRA investigation included the excavation of exploratory trenches in the landfill and collection of a limited number of waste samples for laboratory analysis. CRA reported that the landfill measured about 30 to 40 feet wide by about 160 feet long, and that the wastes extended to a depth of at least 10 feet (the maximum reach of the backhoe used for the exploratory trenches). The landfill materials were reported to consist mostly of concrete roof tiles; other wastes reportedly included clay pipe, bottles, and household items.

CRA collected two samples of waste materials from the test pits for analysis for CAM17 metals. Additionally, the samples were analyzed for eight metals by the toxicity characteristic leaching procedure (TCLP). Based on the analytical results, CRA suggested that the landfilled materials would be considered “nonhazardous waste”. We note that the analytical testing program implemented by CRA in 2005 was very limited, and the results of our recent more extensive investigation described herein should be used for characterization of the landfill.

### 2015 Tremaine Remedial Action Plan

In 2015, Tremaine & Associates Inc. (Tremaine) prepared a *Remedial Action Plan* (RAP) for the abandoned landfill at the subject site.<sup>4</sup> In conjunction with preparation of the RAP, Tremaine coordinated a geophysical survey to further evaluate the limits of the landfill. Based on the geophysical results, Tremaine estimated that the landfill was approximately 70 feet wide by 205 feet long, and nearly 20 feet deep. Based on these dimensions, Tremaine estimated the volume of landfilled wastes to be approximately 5,200 cubic yards.

The RAP included a description of proposed methods and guidelines for excavation, sorting, and segregation of the landfilled wastes, and plans for onsite recycling and off-site disposal of

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<sup>2</sup> AMEC Earth & Environmental; “Phase I Environmental Site Assessment and Operational Compliance Review, Mistler and Vaugh Agricultural Facility, 8405 Pedrick Road, Dixon, California”; April 11, 2011.

<sup>3</sup> Conestoga-Rovers & Associates; “Soil Investigation, Mistler Property, Dixon, California”; March 17, 2005.

<sup>4</sup> Tremaine & Associates, Inc.; “Remedial Action Plan (RAP) for Mistler Farm Landfill & Refuse Area, Former Mistler Farm Property, 8405 Pedrick Road, Dixon, California”; February 2, 2015.



the wastes. A program of sampling and analysis of the excavated wastes and underlying soils was included in the RAP. The RAP also included reporting and schedule information, as well as a Site Specific Health and Safety Plan (HASP).

### **CURRENT REGULATORY AGENCY STATUS**

The above referenced RAP prepared by Tremaine was submitted to the Solano County Department of Resource Management (SCDRM) Environmental Health Division for review. The SCDRM issued a letter dated March 16, 2015 indicating approval of the RAP.

The SCDRM prepared a letter dated March 20, 2019 requesting a status update regarding the remedial action. The 2019 letter also indicated that the SCDRM was discontinuing its site mitigation program and that active cases will be transferred to the Central Valley Regional Water Quality Control Board.

Our recent discussions with representatives of the SCDRM indicate that, despite the cessation of the County's site mitigation program, the SCDRM remains the Local Enforcement Agency (LEA) for oversight of landfills within Solano County per the provisions of California Code of Regulations Title 27. As such it is our understanding that the SCDRM would oversee the official landfill closure process, with guidance and input from CalRecycle (formerly the California Integrated Waste Management Board) and possibly other State regulatory agencies, such as the Central Valley Regional Water Quality Control Board (CVRWQCB).

### **PURPOSE AND SCOPE OF WORK**

Our subject scope of work has been performed for the purposes of environmental due diligence with respect to a potential property transaction involving the subject site. Our review of the past investigative work pertaining to the onsite abandoned landfill indicates that the data from the investigations generally are not sufficient to evaluate potential environmental impacts attributable to the landfill or to develop reasonable cost estimates for official regulatory landfill closure. Notable data gaps include lack of data to evaluate proper disposal methods for the wastes, and the lack of data to evaluate whether the landfilled wastes resulted in underlying soil impact, groundwater impact, and/or soil gas impact (i.e. landfill gasses such as methane).

We understand that a "clean closure" process for the abandoned landfill would be desired; that process includes complete removal of the landfilled wastes for offsite disposal at an appropriate regulated landfill facility such that there are no continuing obligations for landfill management, monitoring, or inspections. As such, our scope has included evaluation of some elements that would be required for the clean closure process (including characterization of the nature of the wastes for disposal purposes, and evaluating whether the landfill has resulted in underlying soil, groundwater, or soil gas impact). Our investigative work with respect to the abandoned landfill at the subject site has been performed for environmental due diligence purposes only; our work has not included official engagement of the appropriate regulatory agencies for the closure process.



Our scope of work included the following:

- Review of historical aerial photography and past documentation/reports pertaining to the Mistler Farm facility and the abandoned landfill
- A geophysical survey of the landfill area
- Excavation of four exploratory trenches within the landfill and the collection of waste and underlying soil samples for laboratory analysis
- Estimation of the limits and volume of the landfilled waste based on historical information, geophysical survey results, and the data from the exploratory trenches
- Advancement of seven borings within and surrounding the landfill and the collection of groundwater samples from the borings for laboratory analysis
- Installation of 12 temporary soil gas probes within and surrounding the landfill and the collection of soil gas samples from the probes for laboratory analysis for potential landfill gases
- Evaluation of the exploratory and analytical results

All work was performed in accord with standard environmental protocol and was overseen by a Professional Geologist from our office. All laboratory testing was performed by State-certified laboratories.

## **INVESTIGATIVE ACTIVITIES**

### **Geophysical Survey**

On July 17, 2020 we directed a geophysical survey within the area of the abandoned landfill at the subject site. The geophysical survey included magnetic methods and ground penetrating radar to identify anomalies indicative of buried wastes. The survey revealed magnetic and GPR anomalies in the area identified by previous investigations as the area of the abandoned landfill; however, our geophysical work generally suggested that the limits were smaller than was indicated in the referenced 2015 RAP prepared by Tremaine. The approximate limits of the buried wastes identified by our geophysical survey (and generally confirmed by the exploratory trenching discussed below) are shown on Plate 4. We note that the approximate limits of the landfill identified during our investigation are generally coincident with the location of the apparently open pit evident on the 1974 aerial photograph (see Plate 3). The results of our geophysical survey were not definitive regarding the depth of the buried wastes; however, the depth of the landfill was evaluated via exploratory trenching.





## Utility Clearance

Prior to the exploratory trenching, drilling, and soil gas probe installation at the site, we marked the exploratory locations and we contacted Underground Service Alert to clear the locations of underground utilities. We also directed a private utility locator to further clear the exploratory locations.

## Exploratory Trenching and Sampling/Testing of Waste Materials and Underlying Soils

On July 27, 2020 we directed the excavation of four exploratory trenches within the area of the abandoned landfill; the trench locations (identified as T1 through T4) are shown on Plate 4. The exploratory trenches were performed with a track-mounted excavator with a three-foot wide bucket. Trenches T1 and T2 generally traversed the entire width of the landfill in an east-west orientation. Trenches T3 and T4 were excavated at the southerly and northerly ends of the landfill, respectively. Logs of the trenches are presented on Plates 5 through 8; as shown, the trenches generally followed the waste/native soil boundary. Within the deeper portions of Trenches T1 and T2, it was not feasible to completely expose the underlying soil across the entire base of the trenches due to heavy caving of wastes from the sidewalls of the trenches in these areas.

The exploratory trenches within the landfill encountered a variety of wastes and heterogenous waste-soil mixtures. A significant amount of the waste materials is comprised of broken concrete roof tiles (similar to the broken roof tiles that are scattered across much of the former Mistler Farm facility property); these materials may comprise on the order of 30 percent of the buried materials. Additionally, the wastes contained various items including: household rubbish (such as bottles, plastic debris, fabric, metal cans, etc.); concrete rubble (as large as four feet in maximum dimension); bricks; sections of plastic and metal pipes; metal cables; rope; and, plastic sheeting/tarps. Additionally, sizable metal fragments (up to a few feet in largest dimension) were encountered; at least two of these metal objects appeared to be hydraulic hoists. A few small pieces of wood were observed within the landfill materials; otherwise, the materials generally were absent of obvious organic materials. The matrix material within the landfilled wastes generally is comprised of a mixture of soil and fine to coarse grained, dark brown-grey granular material that exhibits an ash or burn debris appearance locally (anecdotal evidence suggests that the wastes within the former landfill pit may have been burned at times). We noted that within the far northerly portion of the landfill (within Trench T4) a much higher percentage of soil was mixed with the waste materials compared to the other portions of the landfill explored.

As shown on Plates 5 through 8, the vertical configuration of the landfill is somewhat variable, with portions of the sides being stepped or sloped; however, the landfill generally appears to primarily consist of an approximate 14-foot deep section, sloped at the northerly and southerly ends.

Native soils observed underlying the landfill predominantly consist of brown silty clays. We observed no obvious evidence of significant hazardous substance or petroleum hydrocarbon impact (such as staining or odors) within the underlying native soils exposed in the exploratory trenches.



Twelve samples of the waste materials encountered in the exploratory trenches (primarily the soil/matrix mixture within the landfilled objects) were retrieved for laboratory testing. The waste samples generally were collected at spatially distributed locations (laterally and vertically) within the landfill and represent the variety of wastes encountered. Additionally, five samples of native soils underlying the landfilled wastes were collected for laboratory testing. The samples of waste and soil were immediately placed in laboratory-provided eight-ounce glass jars, labeled, and placed on ice for transport to the analytical laboratory under chain of custody. The collected samples of waste and soil were subjected to some or all of the following laboratory analyses:

- Gasoline-, diesel-, and motor oil-range petroleum hydrocarbons by EPA Method 8015B
- Volatile organic compounds (VOCs) by EPA Method 8260B
- Semi VOCs by EPA Method 8270C
- Polychlorinated biphenyls by EPA Method 8082/3550C
- Chlorinated pesticides by EPA Method 8081A
- Chlorinated herbicides by EPA Method 8151A
- CAM17 metals by 6010B/7471A
- Asbestos by EPA Method 600/CARB 435 Level A

Based on the results of the total metals analyses, we selected certain waste samples (particularly samples with elevated concentrations of lead) for analysis for soluble metals testing (Soluble Threshold Limit Concentration [STLC] and Toxicity Characteristic Leaching Procedure [TCLP]).

The laboratory reports for the testing of the waste and soil samples collected from the exploratory trenches are presented in Appendix A. Laboratory analytical data for waste samples are summarized on Table I, and the results of soluble metals testing performed on some of these samples are presented on Table II. The results of laboratory testing performed on samples of native soils underlying the landfilled wastes are summarized on Table III. Quality control/quality assurance information is included in the appended laboratory reports.

### **Drilling and Groundwater Sampling/Testing**

We selected seven locations for exploratory drilling for groundwater sampling within and surrounding the abandoned landfill. The boring/groundwater sampling locations (identified as B1 through B7) are shown on Plate 4. As shown, Borings B1 through B6 generally surround the landfill, and Boring B7 was located within the central portion of the landfill. Prior to drilling, we processed the required drilling permit with the SCDRM; drilling permit documentation is presented in Appendix B.

The exploratory borings were advanced at the site on August 10, 2020 utilizing a truck-mounted direct push drill rig by a C57-licensed drilling contractor. The borings extended to depths ranging from 33 feet to 40 feet, and groundwater was encountered in the borings at depths ranging from 32 feet to 39 feet. Logs of the borings are presented on Plates 9 through 15.

Borings B1 through B6 (situated at locations surrounding the landfill) encountered native alluvial deposits comprised mostly of sandy silts and silty sands within the upper five to eight feet;



beneath these materials, the borings encountered a prominent clay deposit that generally extends to depths on the order of 15 to 17 feet. The clay deposit is underlain by predominantly sandy deposits (including gravelly sands) extending to the maximum depth of exploration.

Boring B7 was advanced within the landfill; this boring encountered waste materials extending to an approximate depth of 12 feet. The wastes at this location were underlain by native soil deposits similar to the other borings.

A ¾-inch-diameter PVC temporary well was installed in each of the boreholes on August 10, 2020 following drilling, and a grab groundwater sample was collected from each temporary well via tubing and fitted with a check valve on August 11, 2020. The groundwater samples were immediately transferred to appropriate laboratory-provided containers, labeled, and placed on ice for transport to the analytical laboratory under chain of custody. The collected groundwater samples were analyzed for the following:

- Gasoline-, diesel-, and motor oil-range petroleum hydrocarbons by EPA Method 8015B
- Volatile organic compounds (VOCs) by EPA Method 8260B
- Semi VOCs by EPA Method 8270C
- Polychlorinated biphenyls (PCBs) by EPA Method 8082
- Chlorinated pesticides by EPA Method 8081A
- Chlorinated herbicides by EPA Method 8151A
- CAM17 metals by EPA Method 6010B/7470A
- pH by SM 4500
- Total dissolved solids (TDS) by SM2540C
- Nitrates by EPA Method 300.0

The laboratory report for the groundwater analyses is presented in Appendix A and the results are summarized on Table IV. Quality control/quality assurance information is included in the laboratory report.

Following the exploratory drilling and groundwater sampling described above, the boreholes were backfilled with neat cement grout via tremie in accord with SCDRM requirements.

### **Soil Gas Sampling/Testing**

We selected locations within and surrounding the abandoned landfill for soil gas sampling to evaluate the potential for landfill gases (including methane and VOCs) beneath the site. The soil gas sampling locations (identified as SG1 through SG12) are shown on Plate 4. Locations SG1 through SG8 generally surrounded the landfill and locations SG9 through SG12 were situated within the landfill.

Soil gas probe installation was performed on August 25, 2020. At each sampling location, a temporary soil gas probe was installed to the target depth using a truck-mounted direct push (Geoprobe) drill rig by a C57-licensed drilling contractor. Soil gas probes SG1, SG3, SG5, SG7, SG9, and SG11 were advanced to a depth of 9 feet and one-eighth-inch diameter Nylaflo tubing fitted with a sampling tip was emplaced within each of these soil gas probes/holes to a



depth of about 6.5 feet; sand was placed within these probe holes from the total depth of 9 feet to a depth of 4 feet (thus creating a permeable soil gas sampling depth interval of 4 feet to 9 feet in these probes). Soil gas probes SG2, SG4, SG6, SG8, SG10, and SG12 were advanced to a depth of 14 feet (approximate maximum depth of wastes within the landfill) and one-eighth-inch diameter Nylaflo tubing fitted with a sampling tip was emplaced within each of these soil gas probes/holes to a depth of about 11.5 feet; sand was placed within these probe holes from the total depth of 15 feet to a depth of 9 feet (thus creating a soil gas sampling depth interval of 9 feet to 14 feet in these probes). The portions of all probe holes above the sanded interval were sealed to the surface with hydrated bentonite.

Soil gas sampling was performed on September 2, 2020, more than one week after installation of the soil gas probes (to allow for soil gas equilibration within the probes). Prior to sampling, the soil gas probes were purged via a calibrated syringe to remove stagnant or ambient air within the sampling/tubing assemblies. Thereafter, a soil gas sample was collected from each probe via vacuum in a laboratory-provided, one-liter Summa canister.

During sampling, a shroud was placed over the ground surface and sampling equipment at each probe, and a leak check gas (1,1 difluoroethane) was used to evaluate whether the sampling apparatus and sealed annular space within the probe holes were tight and leak-free; as shown in the appended laboratory report and on Table V, the relatively low concentrations of 1,1 difluoroethane were detected in soil gas samples SG1, SG8, and SG12. However, because the detected concentrations of the leak check gas are quite low, any breakthrough of ambient air during sampling would have been very minor and would not have significantly affected the laboratory results.

Following collection of the soil gas samples, the soil gas probes were removed, and the probe holes were abandoned via overdrilling and backfilling with neat cement grout.

The soil gas samples collected at the site were transported under chain-of-custody documentation to the analytical laboratory for the following analyses:

- Methane, oxygen, carbon dioxide, and nitrogen by ASTM Method D1946
- VOCs by EPA Method TO-15.

The laboratory report for the soil gas analyses is presented in Appendix A and the results are summarized on Table V. Quality control/quality assurance information is included in the laboratory report.



## RESULTS AND DISCUSSION

### Extent/Limits of the Abandoned Landfill

The limits of the abandoned landfill at the subject site were evaluated via review of historical information (including historical aerial photography), review of past investigative reports, a current geophysical survey (including a magnetic survey and GPR), and exploratory trenching. The estimated lateral limits of the landfill are shown on Plate 4. As shown, the footprint of the landfill would appear to measure about 160 feet long and about 40 feet wide and is generally consistent with the apparent open pit evident on the 1974 aerial photograph (see Plate 3). The vertical configuration of the landfill is somewhat variable, with portions of the sides being stepped or sloped; however, the landfill generally appears to primarily consist of an approximate 14-foot deep section, sloped at the northerly and southerly ends. Based on the available data, we conservatively estimate the in-place volume of waste to be on the order of 3,300 cubic yards. It should be recognized that there is some uncertainty in the actual volume of waste; further definition/refinement of the estimated volume could be accomplished via additional exploratory trenching if desired.

### Waste Analytical Results

As described herein, representative samples of the landfilled waste collected at the site were tested for a variety of potential contaminants. For the purposes of our evaluation, we have compared the analytical results to hazardous waste criteria and to Environmental Screening Levels (ESLs) published by the San Francisco Bay Regional Water Quality Control Board.<sup>5</sup> California Title 22 Total Threshold Limit Concentration (TTLC) hazardous waste levels and ESL values for both residential and commercial/industrial sites are presented on Table I, along with the waste analytical data.

As shown on Table I, none of the tested samples of waste materials contained gasoline-range petroleum hydrocarbons, diesel-range petroleum hydrocarbons, VOCs, PCBs, or asbestos at concentrations above the laboratory reporting limits. Each of the tested waste samples contained very low concentrations of motor oil-range petroleum hydrocarbons (ranging from 13 milligrams per kilogram [mg/kg] to 28 mg/kg); these motor oil concentrations are well below ESL screening values and are not considered likely to be a significant factor in waste disposal costs.

None of the tested samples of waste contained semi-VOCs, chlorinated pesticides, or chlorinated herbicides, except that one sample contained a very low concentration (0.58 mg/kg) of the semi-VOC dimethyl phthalate, and another sample contained very low concentrations of the chlorinated pesticide chlordane (0.032 mg/kg) and the chlorinated herbicide pentachlorophenol (0.068 mg/kg). As shown on Table I, these concentrations do not exceed ESL values or hazardous waste levels.

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<sup>5</sup> San Francisco Bay Regional Water Quality Control Board; "Environmental Screening Levels"; July 2019.



All of the waste materials tested contained some of the tested metals at concentrations above the laboratory reporting limits. Most of the detected metals concentrations are considered very low and are below hazardous waste levels and ESL values. However, several of the tested waste samples contained lead at elevated concentrations (as high as 330 mg/kg). Elevated concentrations of lead in landfilled waste materials such as those identified at the subject site are not unusual; however, these conditions (specifically the potential for soluble lead) can be a significant factor in eventual off-site landfill disposal costs. The total metals analytical data also suggested that soluble chromium in the waste materials could be a factor in waste characterization for landfill disposal.

To evaluate whether the waste materials would be considered a hazardous waste for disposal purposes, some of the waste samples with the highest lead and chromium concentrations were subjected to soluble lead and chromium testing by Soluble Threshold Limit Concentration (STLC) testing. As shown on Table II, the STLC lead concentrations in the tested samples, ranging from 14 milligrams per liter (mg/L) to 42 mg/L, exceed the California STLC hazardous waste level of 5.0 mg/L. None of the tested samples contained STLC chromium concentrations above the California hazardous waste level.

To evaluate whether the soluble lead in the waste materials would characterize these materials as a Federal RCRA hazardous waste, some of the samples were additionally tested for soluble lead via the Toxicity Characteristic Leaching Procedure (TCLP) method. As shown on Table II, none of the tested samples contained TCLP lead at concentrations above Federal RCRA hazardous waste level.

As shown on Table I, one soil sample contained a significantly elevated concentration of copper (87,000 mg/kg). As the elevated copper concentration only occurred in one soil sample, this result likely is anomalous and possibly attributable to a fragment of copper (such as possibly from a piece of electrical wire) in the sample. As such, it is considered unlikely that this result would represent a significant factor in disposal of the landfilled wastes.

### **Soil Analytical Results**

Representative samples of native soils underlying the landfilled wastes at the site were tested for a variety of potential contaminants. The results are favorable. As shown on Table III, none of the tested soil samples contained concentrations of petroleum hydrocarbons, VOCs, semi-VOCs, PCBs, chlorinated herbicides or chlorinated pesticides at concentrations above the laboratory reporting limits. Each of the tested soil samples contained some of the tested metals, however in general the metals concentrations are considered very low and mostly within the ranges of typical background (naturally-occurring) metals concentrations for soils in the region. Notably, elevated concentrations of lead were not detected in the soil samples, despite the elevated lead conditions identified in the overlying waste materials. None of the metals concentrations detected in the soil samples exceeds ESL values, except that the cobalt concentration (33 mg/kg) detected in one soil sample slightly exceeds the residential ESL value of 23 mg/kg. Given that the slightly elevated cobalt concentration was detected in only one soil sample and considering the depth of that sample (13.5 feet), these conditions would not appear to represent a significant future exposure concern.



## Groundwater Results

Groundwater samples collected from locations surrounding and beneath the landfill were tested for a variety of potential contaminants. The results generally are favorable. As shown on Table IV, none of the groundwater samples contained petroleum hydrocarbons, VOCs, semi-VOCs, PCBs, chlorinated herbicides, or chlorinated pesticides at concentrations above the laboratory reporting limits, except that the groundwater sample collected from Boring B7 advanced within the landfill contained very low concentrations of the VOCs benzene and toluene, and the semi-VOC diethyl phthalate. The benzene and toluene concentrations detected in the groundwater sample from B7 (both 0.0005 mg/L) are below California drinking water Maximum Contaminant Levels (MCLs), and as such, are not considered a significant environmental concern. An MCL value is not published for diethyl phthalate, however the detected concentration of this semi-VOC in the groundwater sample from Boring B7 (0.023 mg/L) is considered low. Further, it is considered very favorable that none of the groundwater samples from locations surrounding the abandoned landfill contained these contaminants at concentrations above the laboratory reporting limits.

Low concentrations of barium and molybdenum were detected in some of the groundwater samples. The detected barium concentrations do not exceed the California MCL value. An MCL value is not published for molybdenum.

Nitrates and TDS were detected in all of the groundwater samples tested; however, none of these concentrations exceeds MCL values.

## Soil Gas Results

Soil gas samples from two depth intervals (four to nine feet and nine feet to 15 feet) were collected within and surrounding the landfill and analyzed for potential landfill gas contaminants, including VOCs and methane. As shown on Table V, it is favorable none of the soil gas samples contained methane at a concentration above the laboratory reporting limit. This would appear to be consistent with the lack of organic materials observed within the landfilled materials.

As shown on Table V, each of the soil gas samples contained some of the tested VOCs at concentrations above the laboratory reporting limits. Most of the concentrations of the detected VOCs are considered very low and are below ESL values for residential and commercial sites. However, tetrachloroethene (PCE), trichloroethene (TCE), benzene, and chloroform were detected in some of the soil gas samples at concentrations that exceed ESL values. PCE and TCE are industrial solvents and may have been used at the former farm facility (such as at the equipment repair garage) and waste solvents may have been disposed in the landfill. The benzene in soil gas may be the result of past disposal of fuels to the landfill; however, it is noted that benzene was only detected in soil gas at locations surrounding the landfill, and not within the samples collected within the landfill. It is noted that at most of the tested locations, VOC soil gas impacts were higher in the deeper soil gas interval sampled (nine to 15 feet) than in the shallow soil gas interval (four to nine feet). We also note that, despite the detection of PCE, TCE and benzene in soil gas in the area of the landfill, it is favorable that these VOCs were not detected in the groundwater samples collected at the site, except for a very low concentration of



benzene (below the drinking water MCL) in one of the groundwater samples (collected beneath the landfill).

As shown on Table V, PCE was detected in nearly all of the soil gas samples, including samples collected within the landfill and samples surrounding the landfill. Several of the soil gas samples (including SG2, SG6, and SG8 through SG12) contained PCE at concentrations exceeding the residential ESL value; however, only one of the soil gas samples (SG12) contained PCE at a concentration that exceeds the commercial/industrial ESL value. TCE was detected in only one soil gas sample (SG12); the detected concentration of TCE in this sample exceeds the residential ESL value but it is well below the commercial/industrial ESL value. Similarly, benzene was detected in three soil gas samples (SG2, SG4, and SG6) at concentrations above the residential ESL value but below the commercial/industrial ESL value. Chloroform was detected in soil gas samples SG4 and SG9 through SG12 at concentrations above the residential ESL value; however, only two of these samples (SG9 and SG10, collected in the landfilled wastes) contained chloroform at concentrations above the commercial/industrial ESL value.

As summarized above, the extent of soil gas containing VOCs at concentrations above commercial/industrial ESL values is very limited, and apparently confined to the landfilled wastes. It is very possible that future removal of landfilled wastes will result in abatement of VOCs in soil gas that exceed commercial/industrial ESLs. Thereafter, the detected VOCs in soil gas in the area of the former landfill may not be a future health risk concern provided that the area is not subject to residential or other sensitive uses.

We note that VOC soil gas conditions can be seasonally variable. Accordingly, regulatory agencies often require multiple episodes of soil gas testing for site evaluation purposes. Eventual regulatory agency requirements for landfill closure may include additional soil gas assessment, potentially including the installation and regular testing of landfill gas monitoring wells.

## **PATHWAY TO LANDFILL CLOSURE**

As described earlier in this report, our investigative work with respect to the abandoned landfill at the subject site has been performed for environmental due diligence purposes, in part to develop information to consider potential future costs for clean closure of the landfill. Our work has not included official engagement of the appropriate regulatory agencies for the closure process. To initiate the clean closure process, the LEA (the SCDRM) should be engaged and this report should be presented to that agency for consideration. The LEA may seek input/guidance from other regulatory agencies, including CalRecycle and the CVRWQCB, as a part of the clean closure process. The agencies may require additional site assessment beyond that described herein. Considering the additional data presented herein, preparation of an updated RAP and/or a *Clean Closure Plan* for official landfill closure would appear to be in order.





## CONCLUSIONS

The primary findings of our investigation of the abandoned landfill at the subject site are outlined below:

- Our investigative work indicates that the footprint of the landfill would appear to measure about 160 feet long and about 40 feet wide; the estimated lateral limits are shown on Plate 4. The vertical configuration of the landfill is somewhat variable, with portions of the sides being stepped or sloped; however, the landfill generally appears to primarily consist of an approximate 14-foot deep section, sloped at the northerly and southerly ends. Based on the available data, we conservatively estimate the in-place volume of waste to be on the order of 3,300 cubic yards.
- Representative samples of waste materials within the landfill were analyzed for a wide variety of potential contaminants. The results did not reveal elevated concentrations of the tested analytes, except for lead. Soluble lead analyses (STLC testing) indicate that much or all of the landfilled materials would be characterized as a California hazardous waste per Code of Regulations Title 22 for disposal purposes. The results do not indicate that the materials would be characterized as Federal (RCRA) hazardous waste. Actual waste profiling requirements will be determined by the accepting landfill facility, and likely will require sampling and testing of removed and stockpiled waste materials prior to acceptance. The referenced RAP prepared by Tremaine in 2015 indicated that it may be possible to segregate and reuse some of the landfilled materials onsite. Based on our observations and data pertaining to the waste materials, it is our opinion that it likely would not be practical, feasible, or desirable to attempt to segregate and reuse the landfilled wastes.
- Representative samples of native soils underlying the landfilled wastes at the site were tested for a variety of potential contaminants. The results are favorable; none of the tested soil samples contained elevated concentrations of the tested analytes, except that one soil sample contained a slightly elevated concentration of cobalt with respect to the residential ESL value. Given that the slightly elevated cobalt concentration was detected in only one soil sample and considering the depth of that sample (13.5 feet), these conditions would not appear to represent a significant future exposure concern.
- Groundwater samples collected from locations surrounding and beneath the landfill were tested for a variety of potential contaminants. The results generally are favorable. None of the groundwater samples contained the tested analytes at concentrations that are considered elevated with respect to California drinking water MCL values. Very minor VOC groundwater impact (benzene and toluene) was identified directly below the landfilled wastes; however, it is considered very favorable that none of the groundwater samples from locations surrounding the abandoned landfill contained these contaminants at concentrations above the laboratory reporting limits.
- Soil gas samples collected at locations surrounding the abandoned landfill and within the landfilled wastes were tested for potential landfill gases, including VOCs and methane.



None of the tested soil gas samples contained methane (seemingly due to the lack of organic materials within the landfilled wastes). Elevated concentrations of VOCs, including PCE, TCE, benzene, and chloroform, were detected in some of the soil gas samples. However, the only soil gas samples that contained these VOCs at concentrations above commercial/industrial ESL values were collected within the landfilled wastes. It is very possible that future removal of landfilled wastes will result in abatement of VOCs in soil gas that exceed commercial/industrial ESLs. Thereafter, the detected VOCs in soil gas in the area of the former landfill may not be a future health risk concern provided that the area is not subject to residential or other sensitive uses. If the area of the landfill is subject to future residential or other sensitive uses, further evaluation and possible mitigation of landfill gas conditions likely would be warranted.

### **SUMMARY AND CLOSING**

As described herein, our firm performed environmental investigation within the area of the abandoned landfill at the subject site. The abandoned landfill is situated within the far westerly portion of an area that previously was operated as a farm facility (Mistler Farm) and received a variety of wastes that apparently were generated at the farm facility starting around the 1970s. The purposes of our investigative work have been to characterize the extent and nature of the landfilled wastes and to evaluate whether the past landfilling activities resulted in significant soil, groundwater, and/or soil gas impact. An objective of the investigation has been to develop data to assist in the consideration of appropriate measures for regulatory agency closure of the landfill and associated costs.

In summary, our investigative work has further defined the nature, extent and volume of the abandoned landfill at the subject site. Testing of the waste materials indicates that most or all of the landfilled materials may be characterized as a California hazardous waste for disposal purposes. Based on our observations and data pertaining to the waste materials, it is our opinion that it likely would not be practical, feasible, or desirable to attempt to segregate and reuse the landfilled wastes. The results of testing native soils underlying the landfill and groundwater beneath and near the landfill do not indicate significant impact conditions. VOCs were detected in soil gas samples collected; however, the data suggest that these conditions potentially could be mitigated via removal of the landfilled wastes and excluding future residential and other sensitive use from the affected area.

Our subject scope of work has been performed for the purposes of environmental due diligence with respect to a potential property transaction involving the subject site. As a part of environmental due diligence with respect to the abandoned landfill at the site, we suggest that this report be provided to a licensed and qualified hazardous materials contractor for preliminary cost estimation for removal and off-site disposal of the landfilled wastes. Upon request, our firm could develop preliminary cost estimate information for consulting, agency interaction, testing, and reporting associated with official regulatory clean closure of the landfill. Additionally, upon request and with permission of the current property owner, this report could be presented to the appropriate regulatory agencies, including the SCDRM, for review and comment.



If you have any questions or require additional information, please contact the undersigned at (916) 677-1470.

Sincerely,

**BRUSCA ASSOCIATES, INC.**

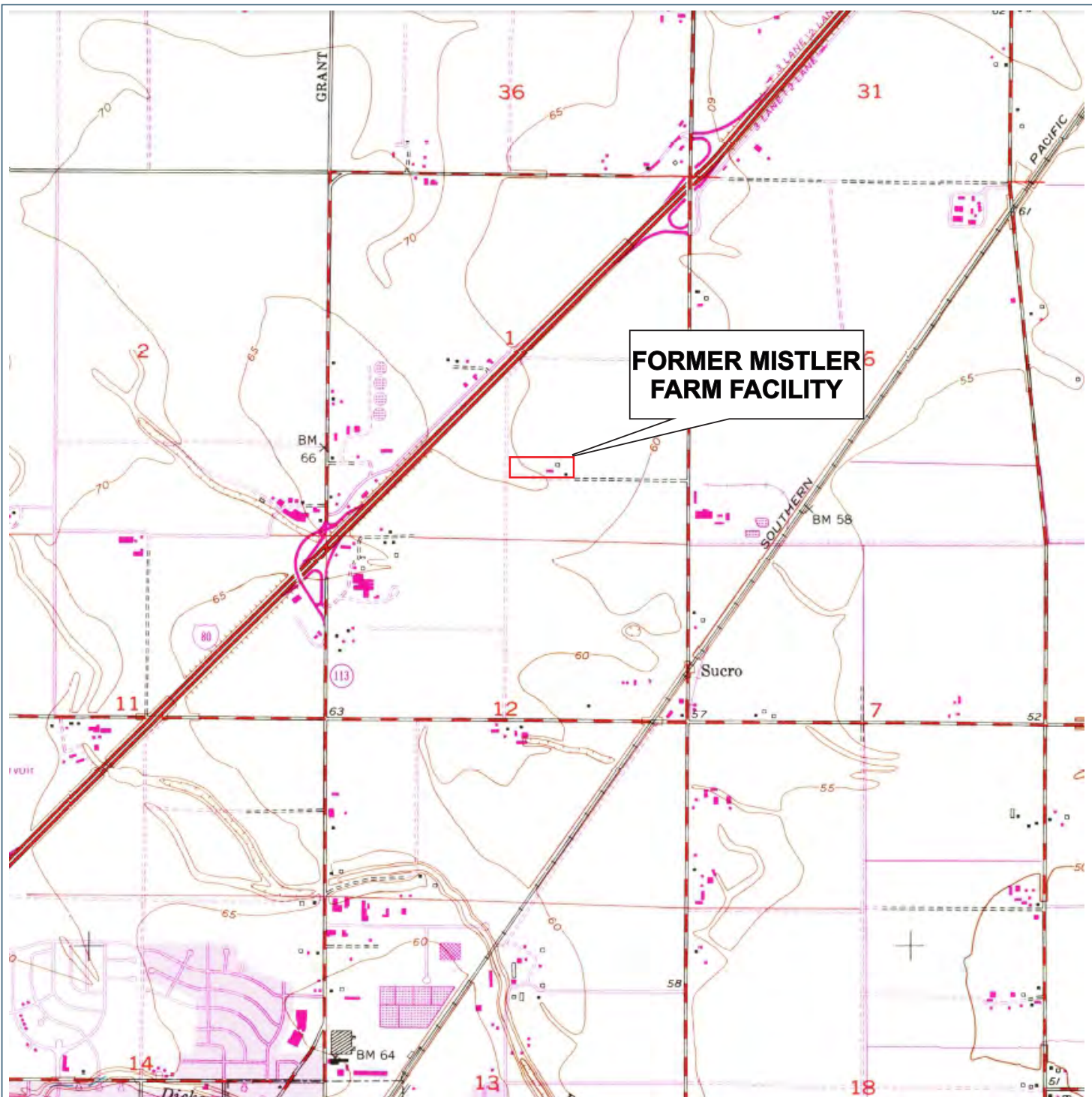
Joe Brusca  
Principal Engineering Geologist  
Certified Engineering Geologist No. 1948



- Attachments:
- Plate 1, *Vicinity Map*
  - Plate 2, *Aerial Photograph*
  - Plate 3, *Historical Aerial Photograph, 1974*
  - Plate 4, *Abandoned Landfill Area*
  - Plate 5, *Trench Log, T1*
  - Plate 6, *Trench Log, T2*
  - Plate 7, *Trench Log, T3*
  - Plate 8, *Trench Log, T4*
  - Plate 9, *Log of Boring B1*
  - Plate 10, *Log of Boring B2*
  - Plate 11, *Log of Boring B3*
  - Plate 12, *Log of Boring B4*
  - Plate 13, *Log of Boring B5*
  - Plate 14, *Log of Boring B6*
  - Plate 15, *Log of Boring B7*

- Table I – Summary of Waste Analytical Data
- Table II – Summary of Soluble Metals Analytical Data
- Table III – Summary of Soil Analytical Data
- Table IV – Summary of Groundwater Analytical Data
- Table V – Summary of Soil Gas Analytical Data

- Appendix A - Laboratory Reports and Chain-of-Custody Documentation
- Appendix B - Drilling Permit Documentation



SOURCE: U.S.G.S. 7.5-minute Dixon Quadrangle, California, 1981  
 Scale 1:24,000



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**FORMER MISTLER FARM FACILITY  
 ABANDONED LANDFILL**

8405 Pedrick Road  
 Dixon, California

*Brusca Project No. 347-001*

**VICINITY MAP**

PLATE 1



All features and locations are approximate only



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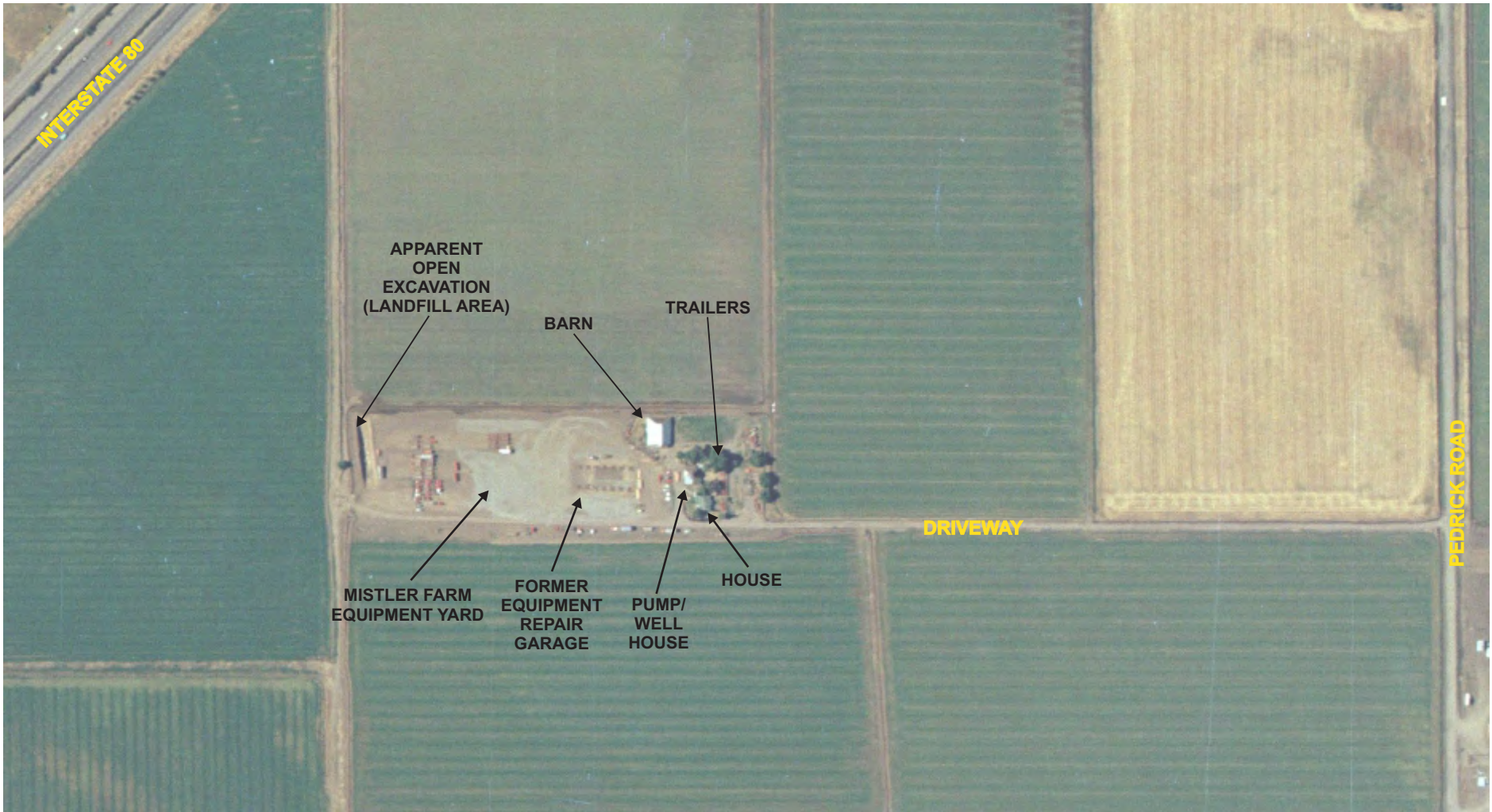
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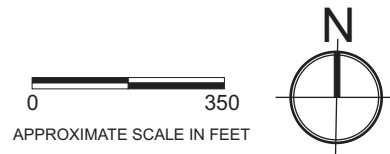
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**AERIAL  
PHOTOGRAPH**

PLATE 2



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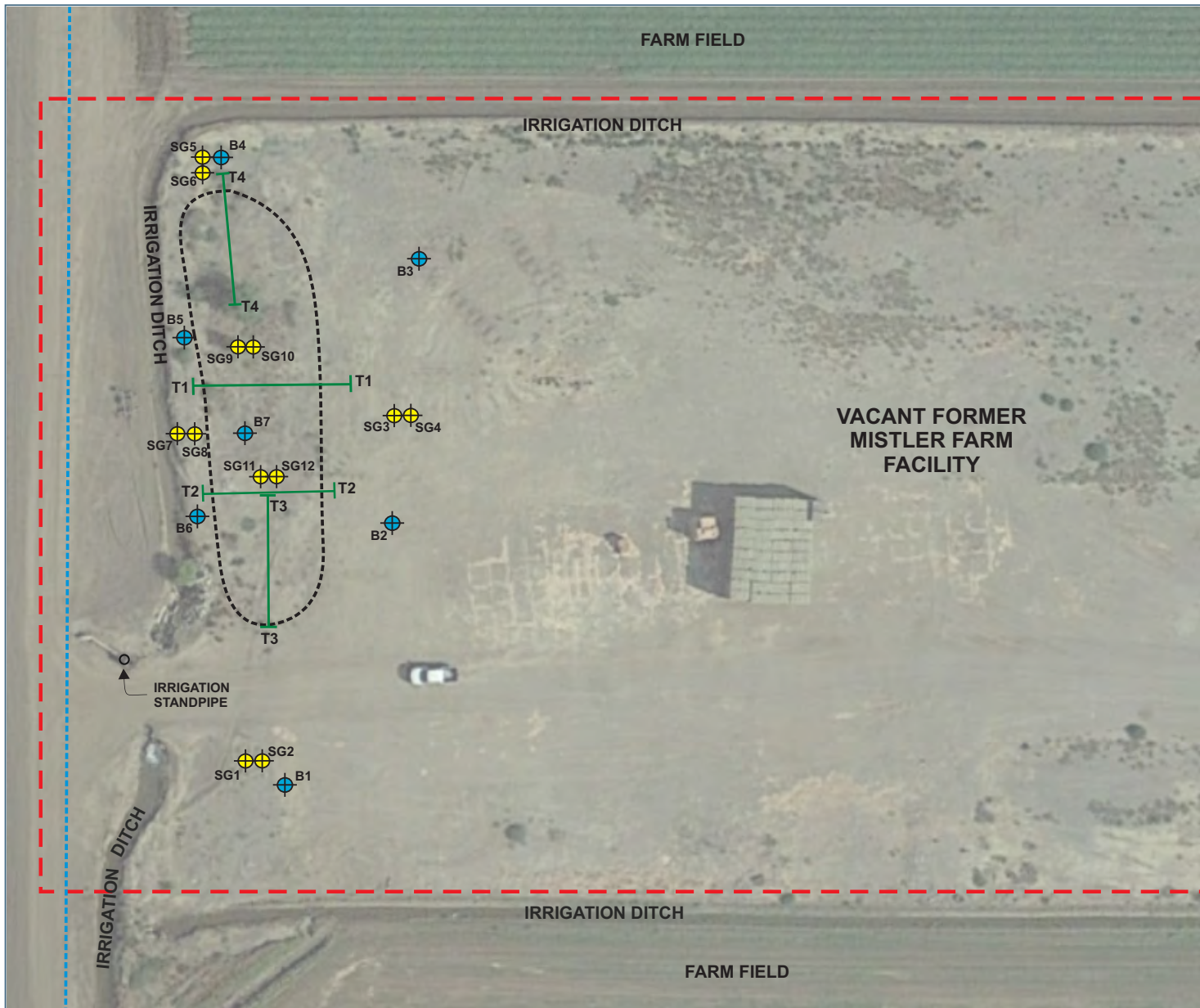
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**HISTORICAL AERIAL  
PHOTOGRAPH, 1974**

PLATE 3



-  Boring for groundwater sampling
-  Soil gas sampling locations
-  Exploratory trench locations
-  Approximate boundary of former Mistler Farm Facility property
-  Approximate limit of landfill
-  Approximate location of SID irrigation supply line

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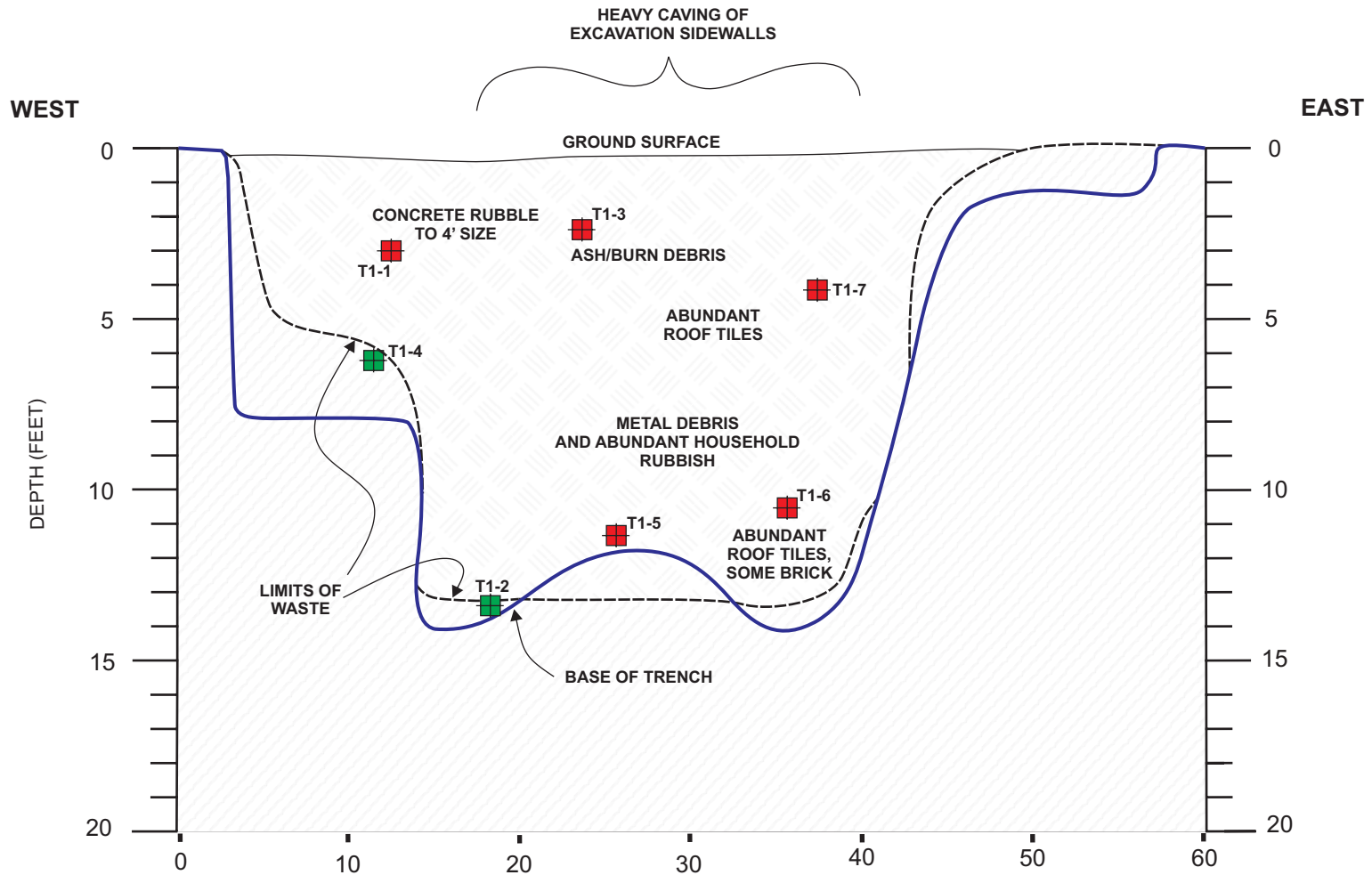
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**ABANDONED  
LANDFILL AREA**

PLATE 4



HORIZONTAL SCALE 1" = 10'

-  TRENCH
-  LIMIT OF WASTE
-  WASTE MATERIALS
-  NATIVE SOILS
-  SAMPLE OF WASTE MATERIALS
-  SAMPLE OF NATIVE SOILS

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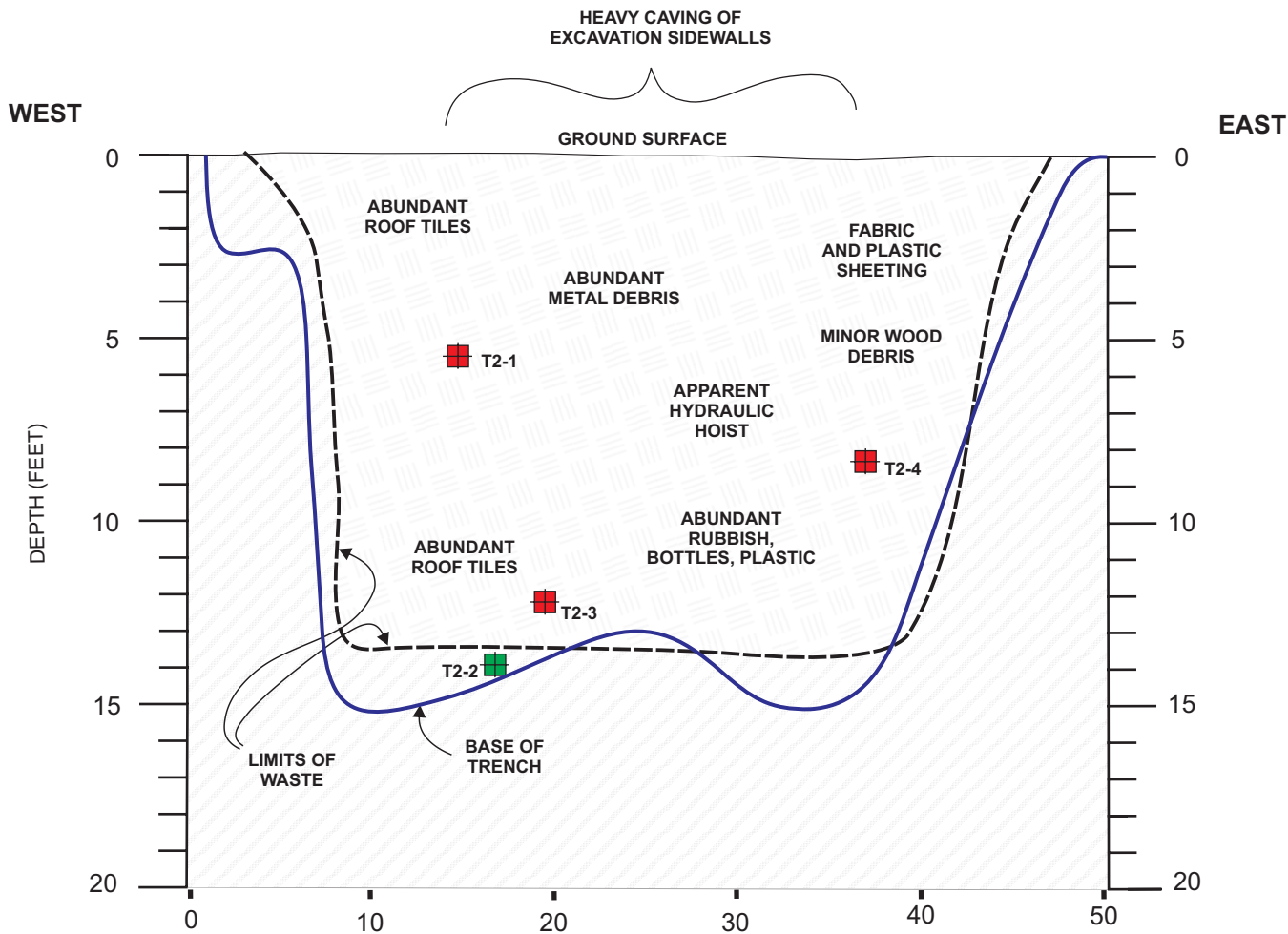
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**LOG OF TRENCH, T1**

PLATE 5





HORIZONTAL SCALE 1" = 10'

-  TRENCH
-  LIMIT OF WASTE
-  WASTE MATERIALS
-  NATIVE SOILS
-  SAMPLE OF WASTE MATERIALS
-  SAMPLE OF NATIVE SOILS

All features and locations are approximate only



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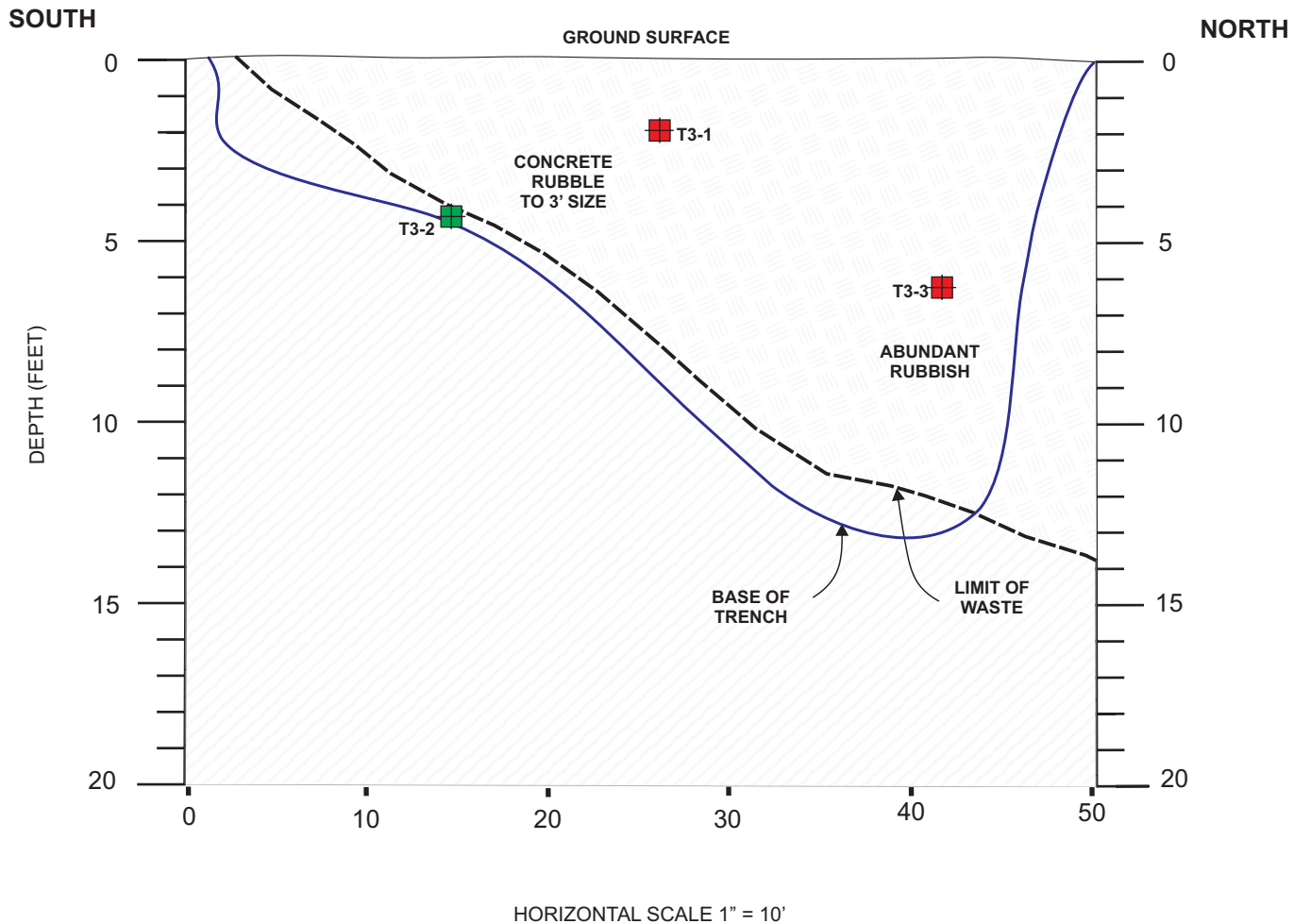
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**LOG OF TRENCH, T2**

PLATE 6



-  TRENCH
-  LIMIT OF WASTE
-  WASTE MATERIALS
-  NATIVE SOILS
-  SAMPLE OF WASTE MATERIALS
-  SAMPLE OF NATIVE SOILS

HORIZONTAL SCALE 1" = 10'

All features and locations are approximate only



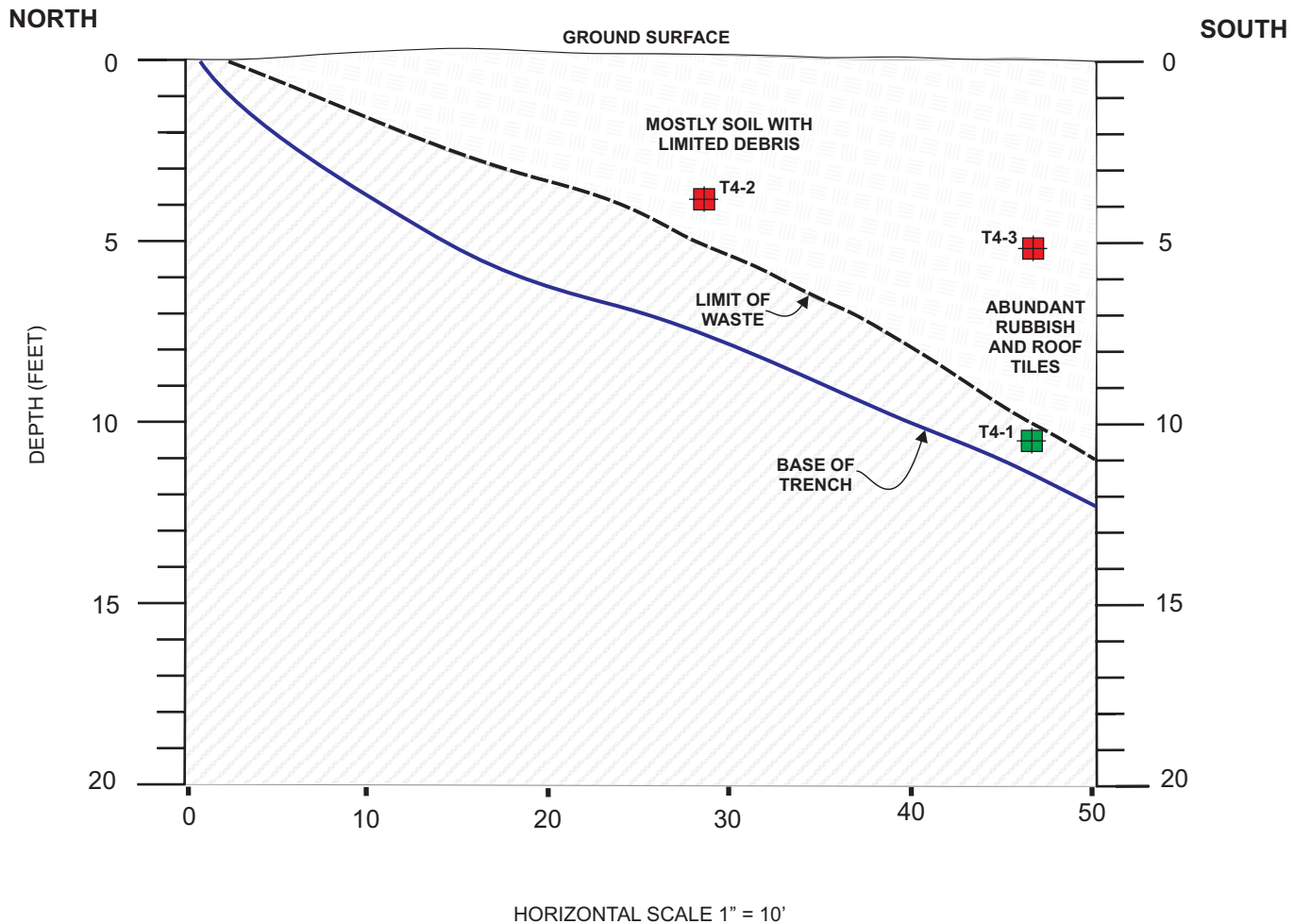
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**LOG OF TRENCH, T3**



- TRENCH
- LIMIT OF WASTE
- WASTE MATERIALS
- NATIVE SOILS
- SAMPLE OF WASTE MATERIALS
- SAMPLE OF NATIVE SOILS

All features and locations are approximate only

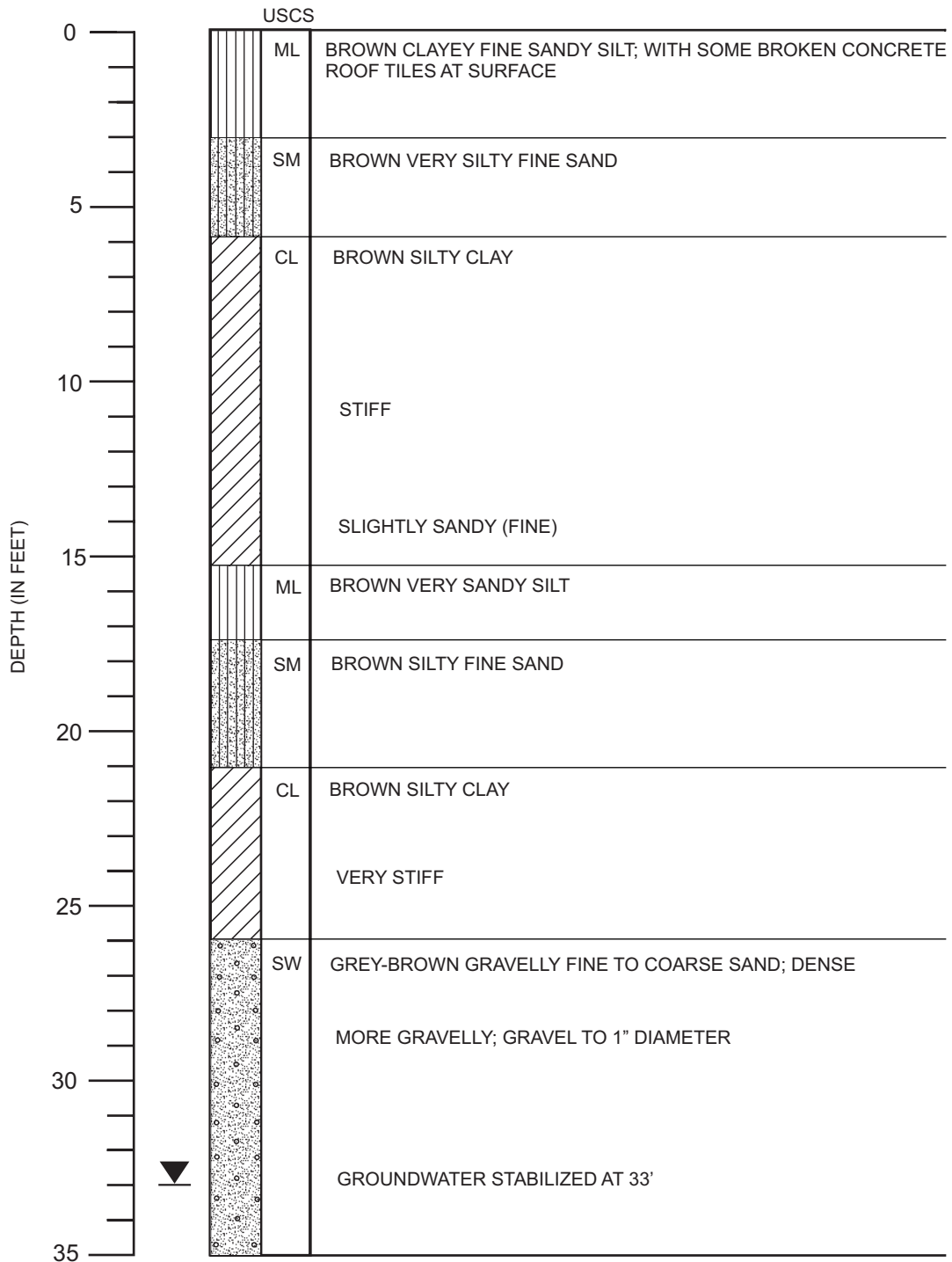
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**LOG OF TRENCH, T4**

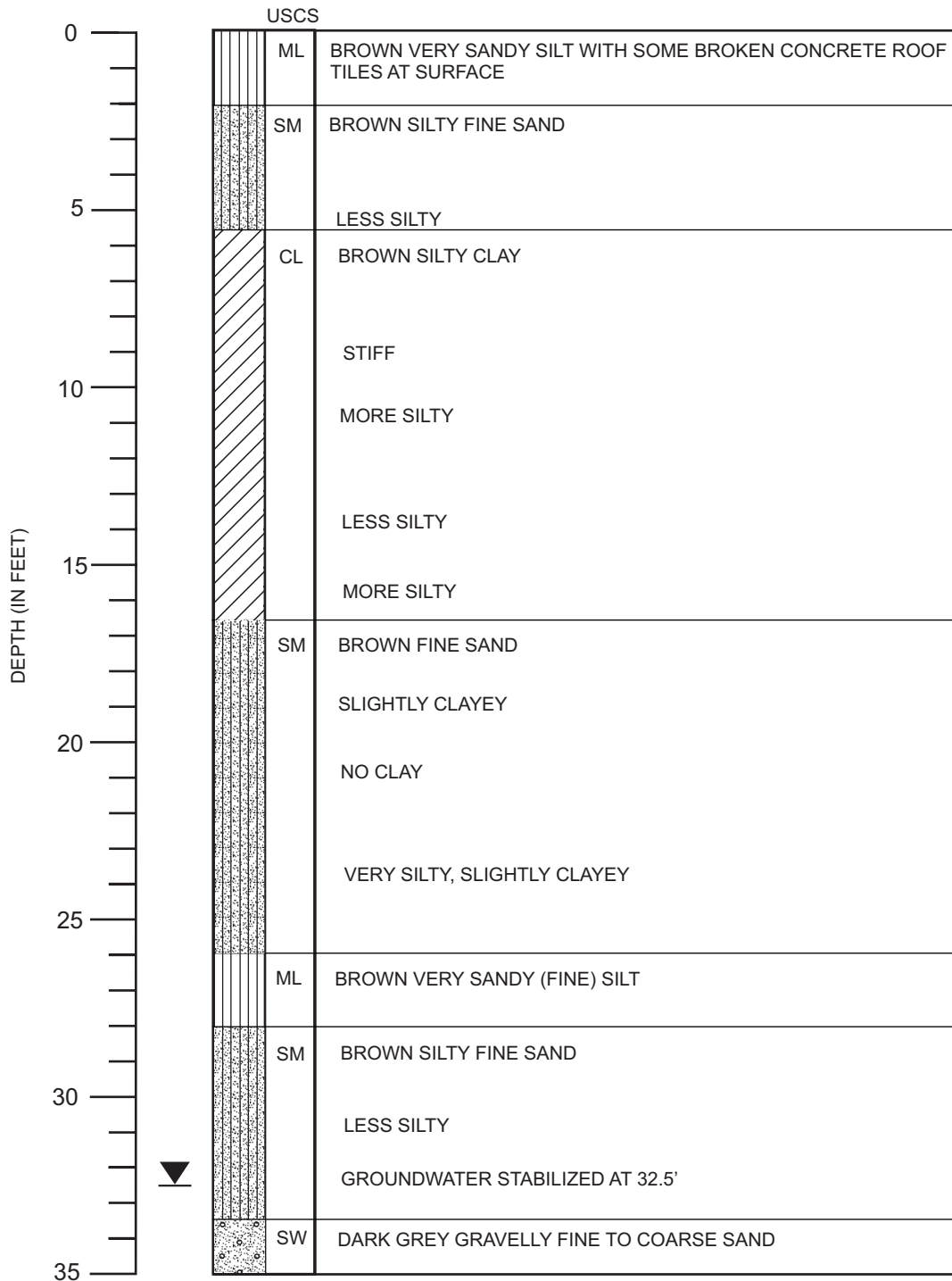
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DRILLED: 8/10/20



**LOG OF BORING B2**

DRILLED: 8/10/20



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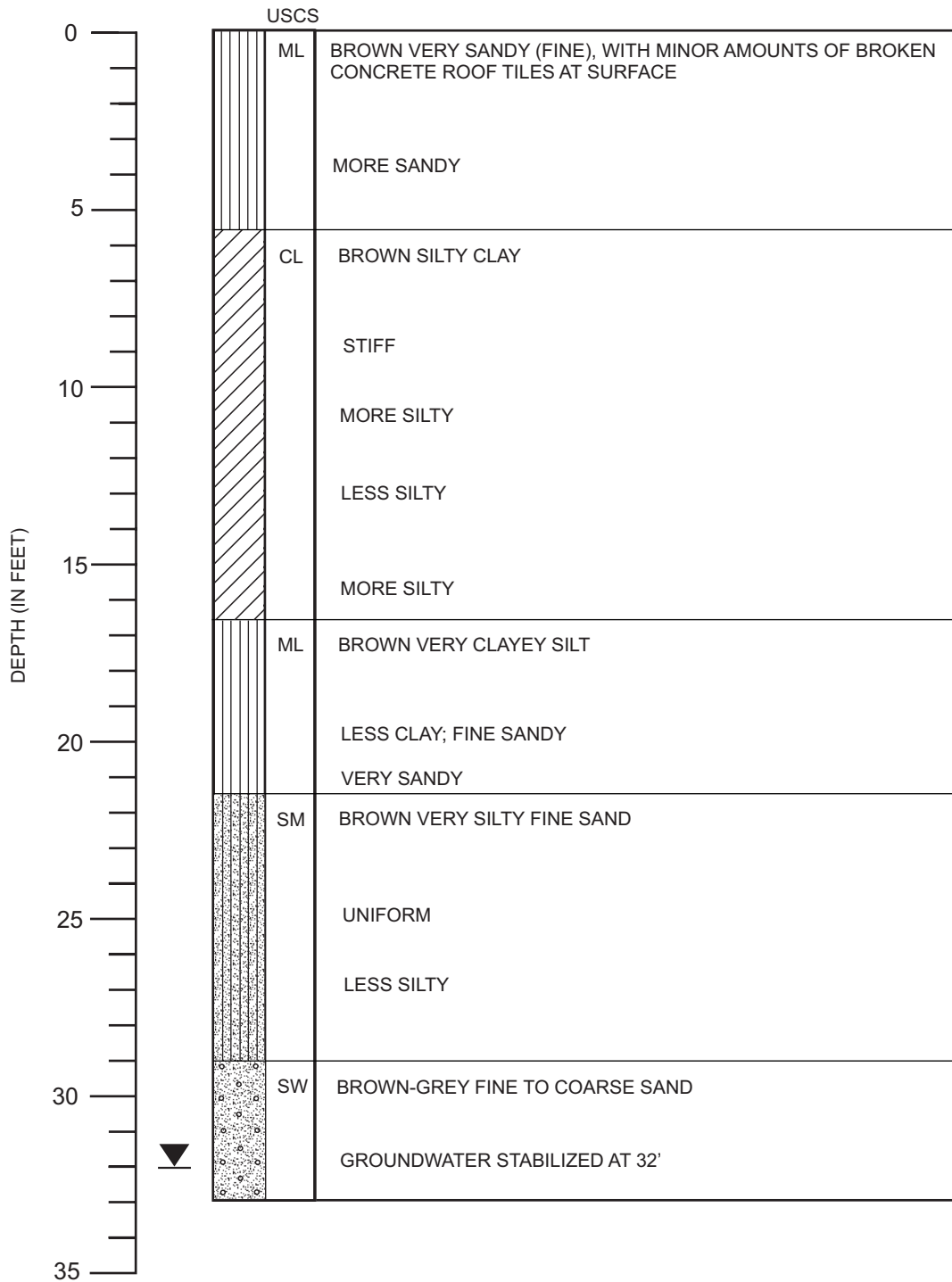
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**LOG OF BORING  
B2**

PLATE 10

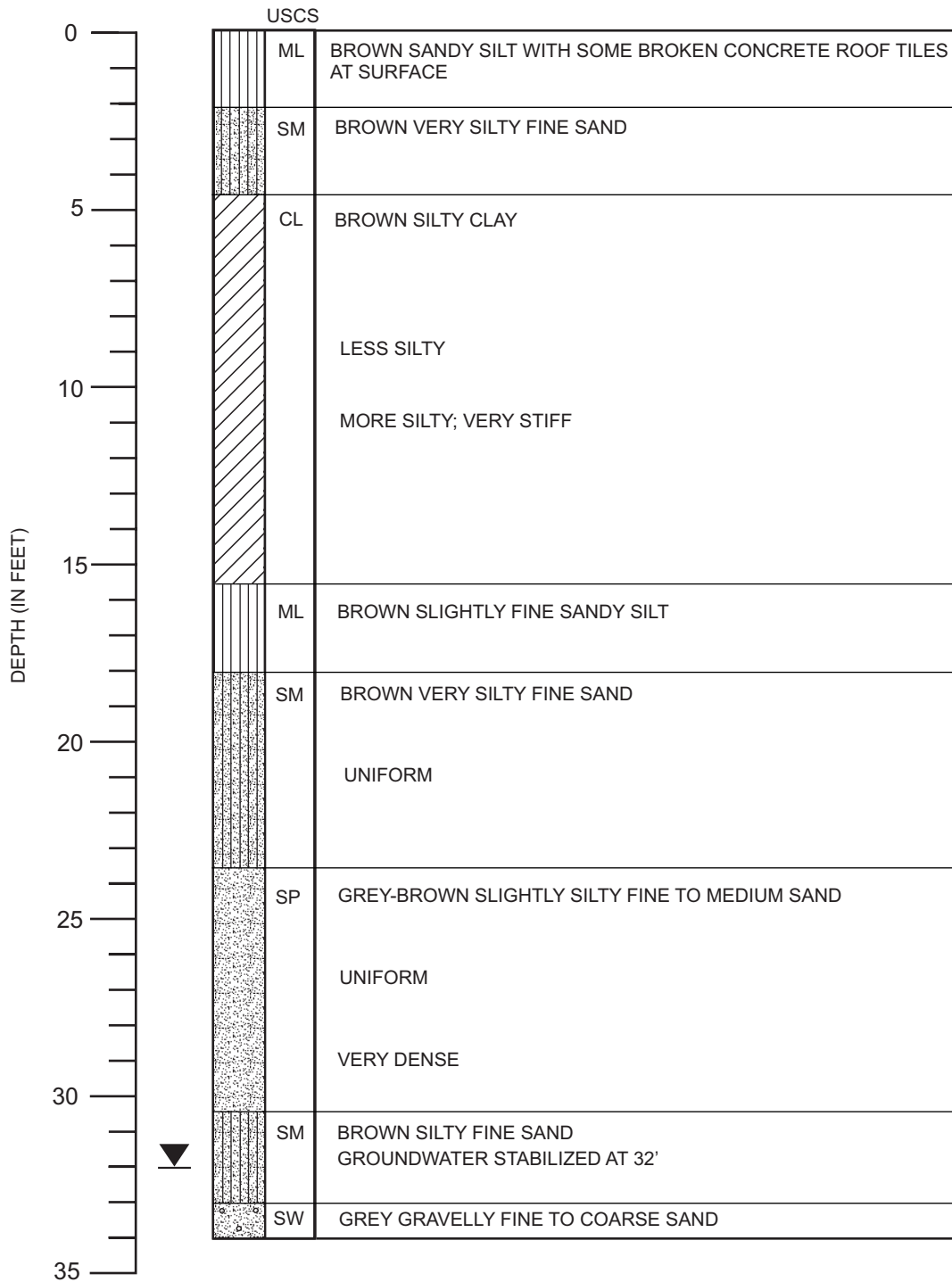
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**LOG OF BORING B4**

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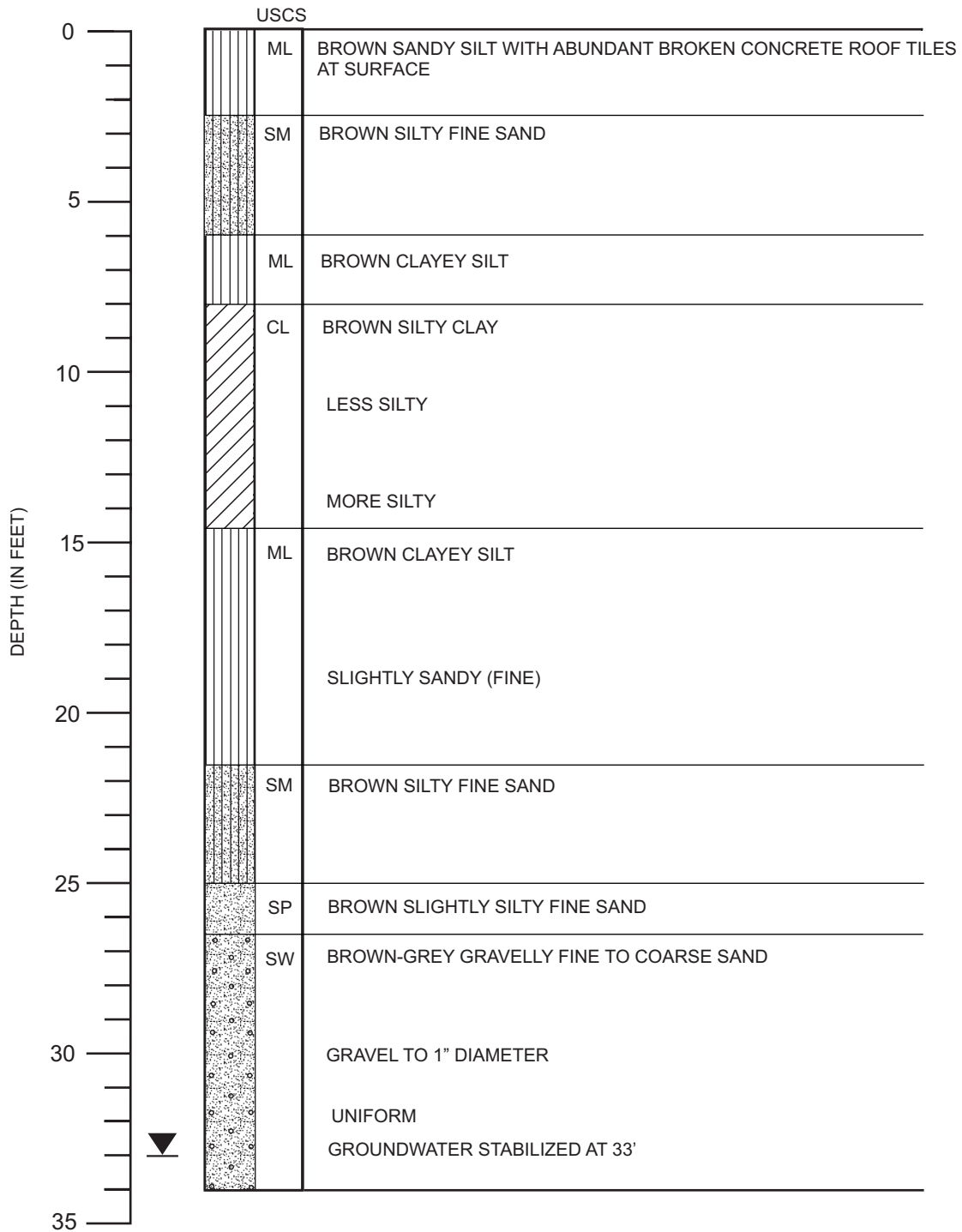
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**LOG OF BORING  
B4**

PLATE 12

**LOG OF BORING B5**

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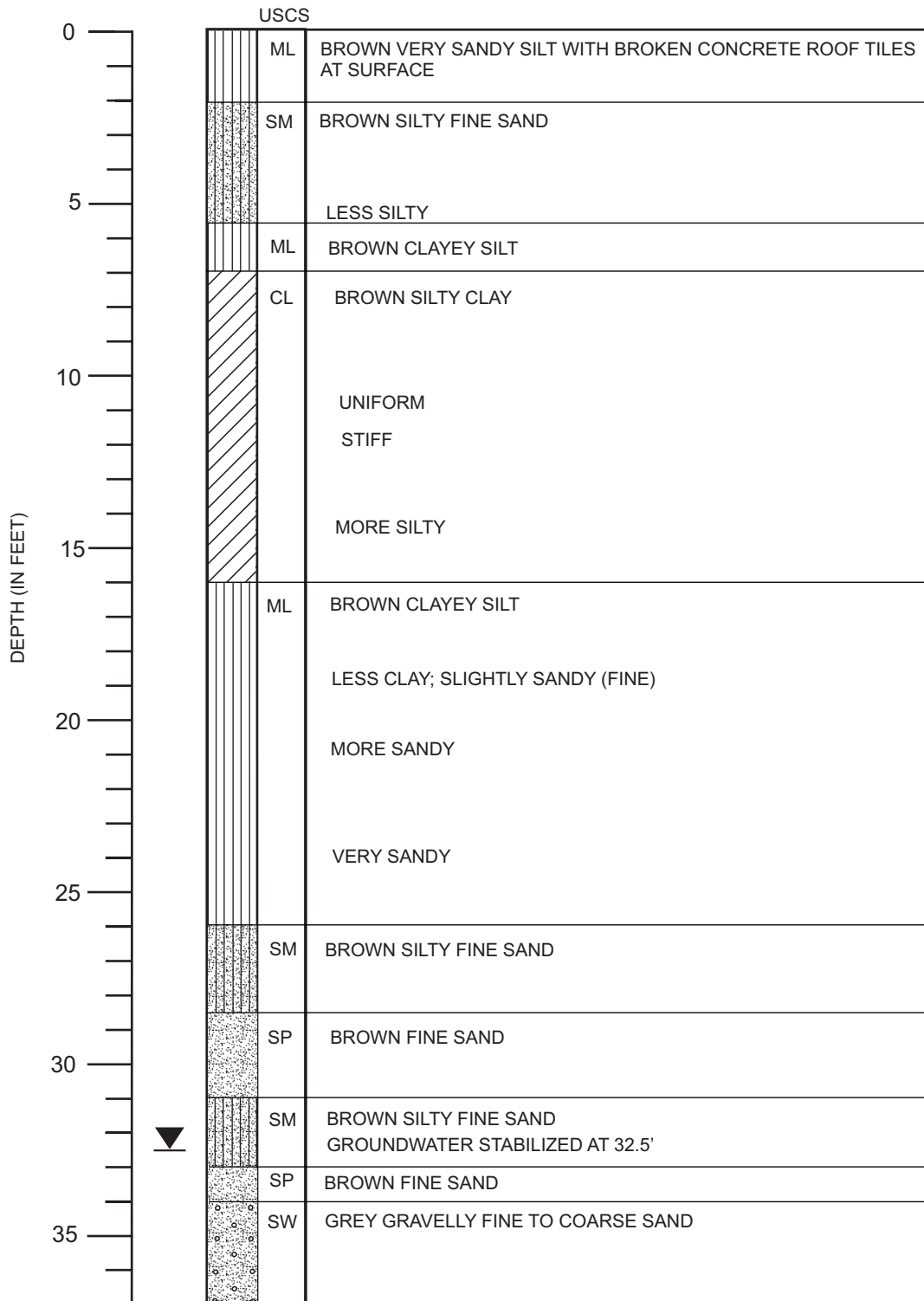
**LOG OF BORING  
B5**

PLATE 13



**LOG OF BORING B6**

DRILLED: 8/10/20



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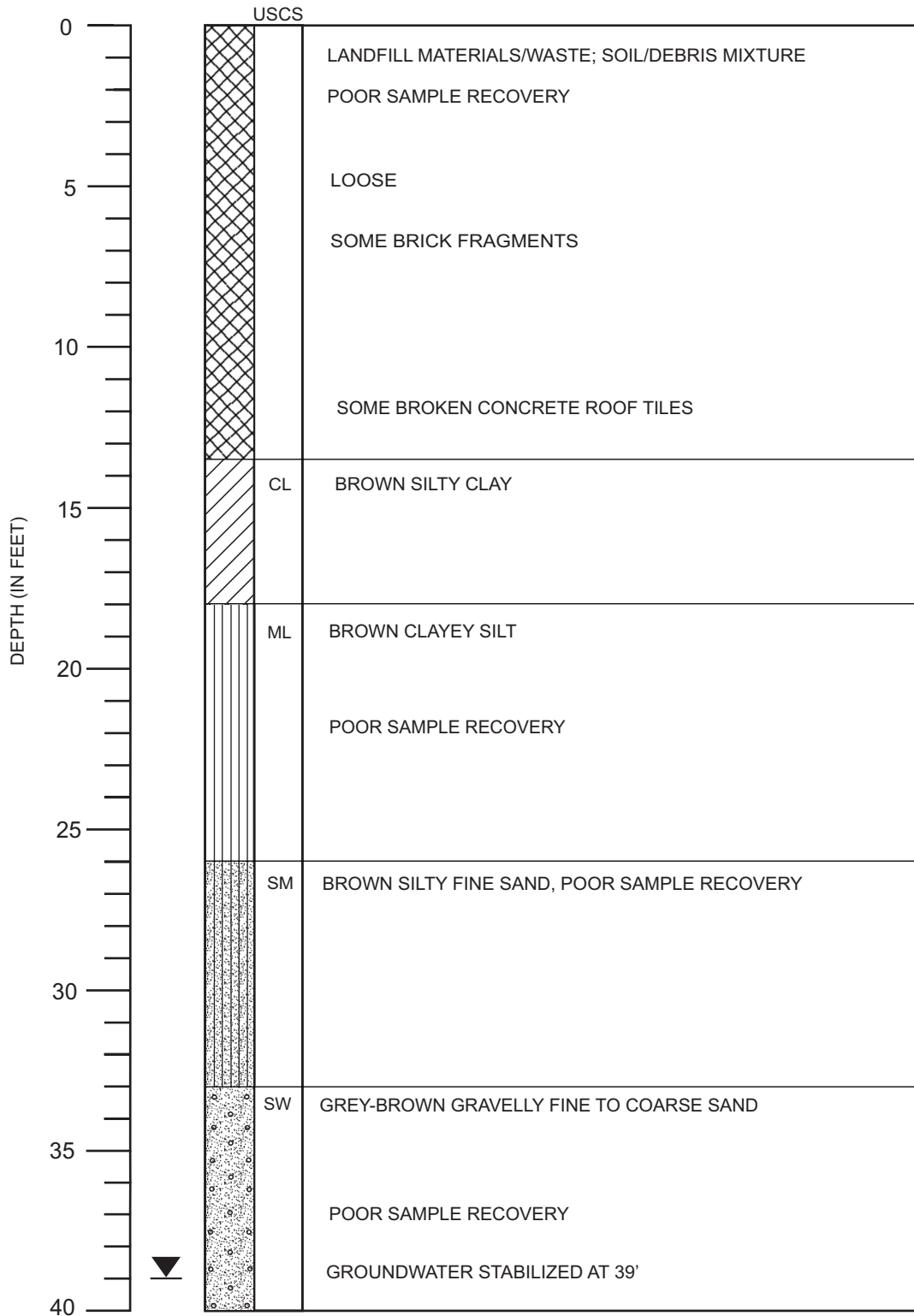
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**LOG OF BORING  
B6**

PLATE 14

**LOG OF BORING B7**

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**LOG OF BORING  
B7**

PLATE 15

**TABLE I**  
**SUMMARY OF WASTE ANALYTICAL DATA**  
**ABANDONED MISTLER FARM LANDFILL**  
**PEDRICK ROAD PROPERTY**  
**8405 Pedrick Road, Dixon, Solano County, California**  
*Brusca Project No. 347-001*

Sample ID	Sample Location (See Plate 4)	Depth (feet)	PETROLEUM HYDROCARBONS			VOLATILE ORGANIC COMPOUNDS (VOCs)	SEMI VOCs		POLYCHLORINATED BIPHENYLS	ASBESTOS	CHLORINATED HERBICIDES		CHLORINATED PESTICIDES		METALS												
			Gasoline Range	Diesel Range	Motor Oil Range		Dimethyl phthalate	Other Semi VOCs (see lab report)			Pentachlorophenol	Other Chlorinated herbicides	Chlordane	Other Chlorinated pesticides	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc	Mercury	Other Metals (see lab report)		
T1-5	Trench T1	12	ND	ND	18	ND	ND	ND	NT	ND	ND	ND	ND	98	7.5	41	9.3	110	110	73	22	890	0.2	ND			
T2-1	Trench T2	5.5	ND	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	160	4.9	58	9.5	120	240	74	36	690	0.11	ND			
T2-3	Trench T2	12.5	ND	ND	15	ND	ND	ND	NT	ND	ND	ND	ND	140	ND	35	9.8	73	170	70	30	370	ND	ND			
T3-1	Trench T3	2	ND	ND	21	ND	ND	ND	ND	0.068	ND	0.032	ND	160	ND	50	12	52	87	120	70	380	0.1	ND			
T4-2	Trench T4	3.5	ND	ND	28	ND	0.58	ND	ND	ND	ND	ND	ND	300	4.3	50	14	220	330	160	27	1,900	ND	ND			
T1-1	Trench T1	3	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	80	ND	29	7.9	16	12	50	26	78	ND	ND			
T1-3	Trench T1	2.5	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	100	ND	28	7.0	24	43	60	21	170	ND	ND			
T1-6	Trench T1	11	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	160	3.4	30	8.6	87,000	270	64	20	1,300	ND	ND			
T1-7	Trench T1	4.5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	110	ND	51	13	36	22	110	36	88	ND	ND			
T2-4	Trench T2	8	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	160	ND	34	9.1	33	42	68	25	130	ND	ND			
T3-3	Trench T3	6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	130	ND	35	12	41	45	76	54	160	ND	ND			
T4-3	Trench T4	5	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	120	ND	47	12	46	170	99	32	500	0.30	ND			
SCREENING LEVELS																											
ESLs, Residential <sup>4</sup>			430	260	12,000		N/A			N/A	1.0		0.48		15,000	78	120,000	23	3,100	80	820	390	23,000	13			
ESLs, Commercial/Industrial <sup>4</sup>			2,000	1,200	180,000		N/A			N/A	4.0		2.2		220,000	1,100	1,800,000	350	47,000	320	11,000	5,800	350,000	190			
California Hazardous Waste Levels <sup>5</sup>			N/A	N/A	N/A		N/A			1%	17		2.5		10,000	100	2,500	8,000	2,500	1,000	2,000	2,400	5,000	N/A			

- Notes: 1. All concentrations expressed in milligrams per kilogram (mg/kg)  
2. ND = Not detected at a concentration above the laboratory reporting limit  
3. NT = Not tested.  
4. SFRWQCB Environmental Screening Levels; shallow soil exposure; July 2019  
5. California Title 22 Total Threshold Limit Concentration (TTLC)  
6. N/A = level not established  
7. Concentrations in red exceed the residential ESL value and/or the cited hazardous waste level

**TABLE II**  
**SUMMARY OF SOLUBLE METALS ANALYTICAL DATA**  
**LANDFILL WASTE MATERIALS**  
**ABANDONED MISTLER FARM LANDFILL**  
**PEDRICK ROAD PROPERTY**  
**8405 Pedrick Road, Dixon, Solano County, California**  
*Brusca Project No. 347-001*

Sample ID	Sample Location (See Plate 4)	Depth (feet)	STLC ANALYSIS		TCLP ANALYSIS
			Lead	Chromium	Lead
T1-5	Trench T1	12	25	0.78	0.24
T2-1	Trench T2	5.5	42	ND	ND
T2-3	Trench T2	12.5	34	ND	NT
T3-1	Trench T3	2	41	1.2	0.14
T4-2	Trench T4	3.5	14	0.51	ND
T1-6	Trench T1	11	16	ND	NT
T4-3	Trench T4	5	37	ND	NT
<b>California Hazardous Waste Levels<sup>6</sup></b>			5.0	5.0	
<b>Federal Hazardous Waste Levels<sup>7</sup></b>					5.0

- Notes: 1. All concentrations expressed in milligrams per liter (mg/L)  
2. STLC = Soluble Threshold Limit Concentration  
3. TCLP = Toxicity Characteristic Leaching Procedure  
4. ND = Not detected at a concentration above the laboratory reporting limit  
5. NT = Not tested.  
6. California Title 22 Hazardous Waste Level  
7. Federal RCRA Hazardous Waste Level  
8. Concentrations in red exceed the California Title 22 STLC Hazardous Waste Level

**TABLE III**  
**SUMMARY OF SOIL ANALYTICAL DATA**  
**ABANDONED MISTLER FARM LANDFILL**  
**PEDRICK ROAD PROPERTY**

8405 Pedrick Road, Dixon, Solano County, California

Brusca Project No. 347-001

Sample ID	Sample Location (See Plate 4)	Depth (feet)	PETROLEUM HYDROCARBONS			VOLATILE ORGANIC COMPOUNDS (VOCs)	SEMI VOCs	POLYCHLORINATED BIPHENYLS	CHLORINATED HERBICIDES	CHLORINATED PESTICIDES	METALS										
			Gasoline Range	Diesel Range	Motor Oil Range						Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc	Mercury	Other Metals (see lab report)
T1-2	Trench T1	14	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	57	15	26	4.9	140	39	61	0.2	ND
T2-2	Trench T2	13.5	ND	ND	ND	ND	ND	ND	ND	ND	230	ND	110	33	56	ND	290	88	110	ND	ND
T1-4	Trench T1	6	ND	ND	ND	ND	NT	NT	NT	NT	90	ND	43	11	19	3.5	97	34	36	0.11	ND
T3-2	Trench T3	4.5	ND	ND	ND	ND	NT	NT	NT	NT	130	ND	51	12	27	5.9	100	39	54	ND	ND
T4-1	Trench T4	11	ND	ND	ND	ND	NT	NT	NT	NT	96	ND	52	14	27	5.3	130	40	49	ND	ND
SCREENING LEVELS																					
ESLs, Residential <sup>4</sup>			430	260	12,000						15,000	78	120,000	23	3,100	80	820	390	23,000	13	
ESLs, Commercial/Industrial <sup>4</sup>			2,000	1,200	180,000						220,000	1,100	1,800,000	350	47,000	320	11,000	5,800	350,000	190	
California Hazardous Waste Levels <sup>5</sup>			N/A	N/A	N/A						10,000	100	2,500	8,000	2,500	1,000	2,000	2,400	5,000	N/A	

- Notes: 1. All concentrations expressed in milligrams per kilogram (mg/kg)  
2. ND = Not detected at a concentration above the laboratory reporting limit  
3. NT = Not tested.  
4. SFRWQCB Environmental Screening Levels; shallow soil exposure; July 2019  
5. California Title 22 Total Threshold Limit Concentration (TTLC)  
6. N/A = level not established  
7. Concentrations in red exceed the ESL value and/or the cited hazardous waste level

**TABLE IV**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA**  
**ABANDONED MISTLER FARM LANDFILL**  
**PEDRICK ROAD PROPERTY**

8405 Pedrick Road, Dixon, Solano County, California

Brusca Project No. 347-001

Sample ID	Sample Location (See Plate 4)	Depth (feet)	PETROLEUM HYDROCARBONS			VOLATILE ORGANIC COMPOUNDS (VOCs)			SEMI VOCs		POLYCHLORINATED BIPHENYLS	pH	NITRATES (as NO <sub>3</sub> )	TOTAL DISSOLVED SOLIDS	CHLORINATED HERBICIDES	CHLORINATED PESTICIDES	METALS		
			Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Other VOCs (see lab report)	Diethyl phthalate	Other Semi VOCs (see lab report)							Barium	Molybdenum	Other Metals (see lab report)
B1-W	B1	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6	17.7	100	ND	ND	0.079	0.068	ND
B2-W	B2	32.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.4	40.6	270	ND	ND	0.11	ND	ND
B3-W	B3	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.5	31.8	320	ND	ND	0.088	ND	ND
B4-W	B4	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.5	5.6	250	ND	ND	0.057	ND	ND
B5-W	B5	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.7	1.6	260	ND	ND	ND	ND	ND
B6-W	B6	32.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.5	5.2	270	ND	ND	0.058	ND	ND
B7-W	B7	39	ND	ND	ND	0.0005	0.0005	ND	0.023	ND	ND	7.4	38.2	460	ND	ND	0.110	0.079	ND
<b>SCREENING LEVELS</b>																			
<b>MCLs<sup>3</sup></b>			N/A	N/A	N/A	0.001	0.15		N/A				45	500			1.0	N/A	

- Notes: 1. All concentrations expressed in milligrams per liter (mg/L)  
2. ND = Not detected at a concentration above the laboratory reporting limit  
3. California Maximum Contaminant Level (MCL)  
4. N/A = level not established

**TABLE V**  
**SUMMARY OF SOIL GAS ANALYTICAL DATA**  
**ABANDONED MISTLER FARM LANDFILL**  
**PEDRICK ROAD PROPERTY**  
8405 Pedrick Road, Dixon, Solano County, California

Brusca File No. 347-001

Sample Location (See Plate 4)	Sampled Depth Interval (feet)	FIXED GASES				VOLATILE ORGANIC COMPOUNDS (VOCs)																			
		Carbon Dioxide	Oxygen	Nitrogen	Methane	1,1-Difluoroethane	Acetone	1,3-Butadiene	Chloroform	Carbon Disulfide	Heptane	Hexane	Dichlorodifluoromethane	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Trichlorofluoromethane	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	2-Butanone (MEK)	Benzene	Toluene	Ethylbenzene	Xylenes	Other VOCs (see lab report)	
SG1	4-9	1.55	20.7	77.8	ND	910	43	ND	ND	ND	ND	15	ND	11	ND	ND	ND	7.8	15	ND	8.4	ND	15	ND	
SG2	9-14	1.87	18.8	78.3	ND	ND	55	ND	ND	58	5.9	30	ND	51	ND	ND	ND	19	28	7.7	38	9.2	38	ND	
SG3	4-9	1.00	20.5	77.7	ND	ND	ND	ND	ND	6.7	ND	ND	ND	ND	ND	ND	ND	12	13	ND	8.6	4.1	22	ND	
SG4	9-14	1.97	9.04	86.6	ND	ND	ND	ND	8.5	59	ND	20	ND	11	ND	ND	5.1	21	77	11	33	8.3	38	ND	
SG5	4-9	1.00	19.8	79.0	ND	ND	29	ND	ND	7.8	ND	ND	ND	12	ND	ND	ND	13	23	ND	10	4.8	21	ND	
SG6	9-14	1.02	18.5	79.4	ND	ND	ND	ND	ND	31	5.0	43	ND	18	ND	ND	ND	12	36	6.9	29	7.1	31	ND	
SG7	4-9	0.45	20.1	78.9	ND	ND	31	ND	ND	6.6	ND	8.8	ND	ND	ND	ND	ND	11	25	ND	6.0	ND	15	ND	
SG8	9-14	ND	15.4	81.3	ND	72	ND	29	ND	70	ND	100	ND	22	ND	ND	ND	19	81	ND	17	ND	32	ND	
SG9	4-9	2.44	17.9	76.6	ND	ND	22	ND	31	ND	ND	ND	ND	35	ND	19	ND	11	18	ND	6.0	ND	17	ND	
SG10	9-14	2.93	17.4	79.4	ND	ND	21	ND	820	2.8	ND	ND	ND	19	ND	27	ND	10	34	ND	4.1	ND	13	ND	
SG11	4-9	0.66	19.6	79.6	ND	ND	ND	ND	9.0	ND	ND	ND	8.2	21	ND	88	ND	7.0	18	ND	5.0	ND	6.8	ND	
SG12	9-14	1.49	19.1	79.6	ND	1,400	32	ND	8.5	ND	ND	ND	ND	460	20	38	ND	8.9	32	ND	ND	ND	7.5	ND	
SCREENING VALUES																									
ESL, Residential <sup>4</sup>						N/A	1,100,000	N/A	4.1	N/A	N/A	N/A	N/A	15	16	N/A	N/A	N/A	170,000	3.2	10,000	37	3,500		
ESL, Commercial/Industrial <sup>4</sup>						N/A	4,500,000	N/A	18	N/A	N/A	N/A	N/A	67	100	N/A	N/A	N/A	730,000	14	44,000	160	15,000		

Notes:

1. ND = Not detected at a concentration above the laboratory reporting limit
2. Concentrations expressed in micrograms per cubic meter (ug/m<sup>3</sup>)
3. SFRWQCB Environmental Screening Level (ESL); July 2019
4. N/A = ESL value not published
5. Concentrations in red exceed the referenced residential screening level

# APPENDIX A

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## **- Laboratory Reports and Chain-of-Custody Documentation**





25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

04 August 2020

Joe Brusca  
Brusca Associates Inc.  
PO Box 332  
Roseville, CA 95661  
RE: Pedrick Road Property

Enclosed are the results of analyses for samples received by the laboratory on 07/28/20 09:29. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Jaroudi  
Project Manager



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

**Reported:**  
 08/04/20 15:55

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T1-2	T202874-01	Soil	07/27/20 00:00	07/28/20 09:29
T1-5	T202874-02	Soil	07/27/20 00:00	07/28/20 09:29
T2-1	T202874-03	Soil	07/27/20 00:00	07/28/20 09:29
T2-2	T202874-04	Soil	07/27/20 00:00	07/28/20 09:29
T2-3	T202874-05	Soil	07/27/20 00:00	07/28/20 09:29
T3-1	T202874-06	Soil	07/27/20 00:00	07/28/20 09:29
T4-2	T202874-07	Soil	07/27/20 00:00	07/28/20 09:29
T1-4	T202874-08	Soil	07/27/20 00:00	07/28/20 09:29
T3-2	T202874-09	Soil	07/27/20 00:00	07/28/20 09:29
T4-1	T202874-10	Soil	07/27/20 00:00	07/28/20 09:29
T1-1	T202874-11	Soil	07/27/20 00:00	07/28/20 09:29
T1-3	T202874-12	Soil	07/27/20 00:00	07/28/20 09:29
T1-6	T202874-13	Soil	07/27/20 00:00	07/28/20 09:29
T1-7	T202874-14	Soil	07/27/20 00:00	07/28/20 09:29
T2-4	T202874-15	Soil	07/27/20 00:00	07/28/20 09:29
T3-3	T202874-16	Soil	07/27/20 00:00	07/28/20 09:29
T4-3	T202874-17	Soil	07/27/20 00:00	07/28/20 09:29

SunStar Laboratories, Inc.

*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.*

Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

### DETECTIONS SUMMARY

Sample ID: T1-2

Laboratory ID: T202874-01

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	110	1.0		mg/kg	EPA 6010b	
Chromium	57	2.0		mg/kg	EPA 6010b	
Cobalt	15	2.0		mg/kg	EPA 6010b	
Copper	26	1.0		mg/kg	EPA 6010b	
Lead	4.9	3.0		mg/kg	EPA 6010b	
Nickel	140	2.0		mg/kg	EPA 6010b	
Vanadium	39	5.0		mg/kg	EPA 6010b	
Zinc	61	1.0		mg/kg	EPA 6010b	
Mercury	0.20	0.10		mg/kg	EPA 7471A Soil	

Sample ID: T1-5

Laboratory ID: T202874-02

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	18	10		mg/kg	EPA 8015B	
Barium	98	1.0		mg/kg	EPA 6010b	
Cadmium	7.5	2.0		mg/kg	EPA 6010b	
Chromium	41	2.0		mg/kg	EPA 6010b	
Cobalt	9.3	2.0		mg/kg	EPA 6010b	
Copper	110	1.0		mg/kg	EPA 6010b	
Lead	110	3.0		mg/kg	EPA 6010b	
Nickel	73	2.0		mg/kg	EPA 6010b	
Vanadium	22	5.0		mg/kg	EPA 6010b	
Zinc	890	1.0		mg/kg	EPA 6010b	
Mercury	0.20	0.10		mg/kg	EPA 7471A Soil	

Sample ID: T2-1

Laboratory ID: T202874-03

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	13	10		mg/kg	EPA 8015B	
Barium	160	1.0		mg/kg	EPA 6010b	
Cadmium	4.9	2.0		mg/kg	EPA 6010b	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

Sample ID: T2-1

Laboratory ID: T202874-03

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Chromium	58	2.0		mg/kg	EPA 6010b	
Cobalt	9.5	2.0		mg/kg	EPA 6010b	
Copper	120	1.0		mg/kg	EPA 6010b	
Lead	240	3.0		mg/kg	EPA 6010b	
Nickel	74	2.0		mg/kg	EPA 6010b	
Vanadium	36	5.0		mg/kg	EPA 6010b	
Zinc	690	1.0		mg/kg	EPA 6010b	
Mercury	0.11	0.10		mg/kg	EPA 7471A Soil	

Sample ID: T2-2

Laboratory ID: T202874-04

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	230	5.0		mg/kg	EPA 6010b	
Chromium	110	10		mg/kg	EPA 6010b	
Cobalt	33	10		mg/kg	EPA 6010b	
Copper	56	5.0		mg/kg	EPA 6010b	
Nickel	290	10		mg/kg	EPA 6010b	
Vanadium	88	25		mg/kg	EPA 6010b	
Zinc	110	5.0		mg/kg	EPA 6010b	

Sample ID: T2-3

Laboratory ID: T202874-05

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	15	10		mg/kg	EPA 8015B	
Barium	140	1.0		mg/kg	EPA 6010b	
Chromium	35	2.0		mg/kg	EPA 6010b	
Cobalt	9.8	2.0		mg/kg	EPA 6010b	
Copper	73	1.0		mg/kg	EPA 6010b	
Lead	170	3.0		mg/kg	EPA 6010b	
Nickel	70	2.0		mg/kg	EPA 6010b	
Vanadium	30	5.0		mg/kg	EPA 6010b	
Zinc	370	1.0		mg/kg	EPA 6010b	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

Sample ID: T3-1

Laboratory ID: T202874-06

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	21	10		mg/kg	EPA 8015B	
Barium	160	1.0		mg/kg	EPA 6010b	
Chromium	50	2.0		mg/kg	EPA 6010b	
Cobalt	12	2.0		mg/kg	EPA 6010b	
Copper	52	1.0		mg/kg	EPA 6010b	
Lead	87	3.0		mg/kg	EPA 6010b	
Nickel	120	2.0		mg/kg	EPA 6010b	
Vanadium	70	5.0		mg/kg	EPA 6010b	
Zinc	380	1.0		mg/kg	EPA 6010b	
Mercury	0.10	0.10		mg/kg	EPA 7471A Soil	
Pentachlorophenol	67.7	5.00		ug/kg	8151	

Sample ID: T4-2

Laboratory ID: T202874-07

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	28	10		mg/kg	EPA 8015B	
Barium	300	1.0		mg/kg	EPA 6010b	
Cadmium	4.3	2.0		mg/kg	EPA 6010b	
Chromium	50	2.0		mg/kg	EPA 6010b	
Cobalt	14	2.0		mg/kg	EPA 6010b	
Copper	220	1.0		mg/kg	EPA 6010b	
Lead	330	3.0		mg/kg	EPA 6010b	
Nickel	160	2.0		mg/kg	EPA 6010b	
Vanadium	27	5.0		mg/kg	EPA 6010b	
Zinc	1900	1.0		mg/kg	EPA 6010b	
gamma-Chlordane	17	5.0		ug/kg	EPA 8081A	
alpha-Chlordane	15	5.0		ug/kg	EPA 8081A	
Dimethyl phthalate	580	300		ug/kg	EPA 8270C	

Sample ID: T1-4

Laboratory ID: T202874-08

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	90	1.0		mg/kg	EPA 6010b	
Chromium	43	2.0		mg/kg	EPA 6010b	
Cobalt	11	2.0		mg/kg	EPA 6010b	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

Sample ID: T1-4

Laboratory ID: T202874-08

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Copper	19	1.0		mg/kg	EPA 6010b	
Lead	3.5	3.0		mg/kg	EPA 6010b	
Nickel	97	2.0		mg/kg	EPA 6010b	
Vanadium	34	5.0		mg/kg	EPA 6010b	
Zinc	36	1.0		mg/kg	EPA 6010b	
Mercury	0.11	0.10		mg/kg	EPA 7471A Soil	

Sample ID: T3-2

Laboratory ID: T202874-09

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	130	1.0		mg/kg	EPA 6010b	
Chromium	51	2.0		mg/kg	EPA 6010b	
Cobalt	12	2.0		mg/kg	EPA 6010b	
Copper	27	1.0		mg/kg	EPA 6010b	
Lead	5.9	3.0		mg/kg	EPA 6010b	
Nickel	100	2.0		mg/kg	EPA 6010b	
Vanadium	39	5.0		mg/kg	EPA 6010b	
Zinc	54	1.0		mg/kg	EPA 6010b	

Sample ID: T4-1

Laboratory ID: T202874-10

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	96	1.0		mg/kg	EPA 6010b	
Chromium	52	2.0		mg/kg	EPA 6010b	
Cobalt	14	2.0		mg/kg	EPA 6010b	
Copper	27	1.0		mg/kg	EPA 6010b	
Lead	5.3	3.0		mg/kg	EPA 6010b	
Nickel	130	2.0		mg/kg	EPA 6010b	
Vanadium	40	5.0		mg/kg	EPA 6010b	
Zinc	49	1.0		mg/kg	EPA 6010b	

Sample ID: T1-1

Laboratory ID: T202874-11

Analyte	Result	Reporting		Units	Method	Notes
		Limit				

SunStar Laboratories, Inc.



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.

Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

Sample ID: T1-1

Laboratory ID: T202874-11

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	80	1.0		mg/kg	EPA 6010b	
Chromium	29	2.0		mg/kg	EPA 6010b	
Cobalt	7.9	2.0		mg/kg	EPA 6010b	
Copper	16	1.0		mg/kg	EPA 6010b	
Lead	12	3.0		mg/kg	EPA 6010b	
Nickel	50	2.0		mg/kg	EPA 6010b	
Vanadium	26	5.0		mg/kg	EPA 6010b	
Zinc	78	1.0		mg/kg	EPA 6010b	

Sample ID: T1-3

Laboratory ID: T202874-12

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	100	1.0		mg/kg	EPA 6010b	
Chromium	28	2.0		mg/kg	EPA 6010b	
Cobalt	7.0	2.0		mg/kg	EPA 6010b	
Copper	24	1.0		mg/kg	EPA 6010b	
Lead	43	3.0		mg/kg	EPA 6010b	
Nickel	60	2.0		mg/kg	EPA 6010b	
Vanadium	21	5.0		mg/kg	EPA 6010b	
Zinc	170	1.0		mg/kg	EPA 6010b	

Sample ID: T1-6

Laboratory ID: T202874-13

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	160	1.0		mg/kg	EPA 6010b	
Cadmium	3.4	2.0		mg/kg	EPA 6010b	
Chromium	30	2.0		mg/kg	EPA 6010b	
Cobalt	8.6	2.0		mg/kg	EPA 6010b	
Copper	87000	5.0		mg/kg	EPA 6010b	
Lead	270	3.0		mg/kg	EPA 6010b	
Nickel	64	2.0		mg/kg	EPA 6010b	
Vanadium	20	5.0		mg/kg	EPA 6010b	
Zinc	1300	1.0		mg/kg	EPA 6010b	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

Sample ID: T1-7

Laboratory ID: T202874-14

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	110	1.0		mg/kg	EPA 6010b	
Chromium	51	2.0		mg/kg	EPA 6010b	
Cobalt	13	2.0		mg/kg	EPA 6010b	
Copper	36	1.0		mg/kg	EPA 6010b	
Lead	22	3.0		mg/kg	EPA 6010b	
Nickel	110	2.0		mg/kg	EPA 6010b	
Vanadium	36	5.0		mg/kg	EPA 6010b	
Zinc	88	1.0		mg/kg	EPA 6010b	

Sample ID: T2-4

Laboratory ID: T202874-15

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	160	1.0		mg/kg	EPA 6010b	
Chromium	34	2.0		mg/kg	EPA 6010b	
Cobalt	9.1	2.0		mg/kg	EPA 6010b	
Copper	33	1.0		mg/kg	EPA 6010b	
Lead	42	3.0		mg/kg	EPA 6010b	
Nickel	68	2.0		mg/kg	EPA 6010b	
Vanadium	25	5.0		mg/kg	EPA 6010b	
Zinc	130	1.0		mg/kg	EPA 6010b	

Sample ID: T3-3

Laboratory ID: T202874-16

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	130	1.0		mg/kg	EPA 6010b	
Chromium	35	2.0		mg/kg	EPA 6010b	
Cobalt	12	2.0		mg/kg	EPA 6010b	
Copper	41	1.0		mg/kg	EPA 6010b	
Lead	45	3.0		mg/kg	EPA 6010b	
Nickel	76	2.0		mg/kg	EPA 6010b	
Vanadium	54	5.0		mg/kg	EPA 6010b	
Zinc	160	1.0		mg/kg	EPA 6010b	

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Mike Jaroudi, Project Manager





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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/04/20 15:55

Sample ID: T4-3

Laboratory ID: T202874-17

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	120	1.0		mg/kg	EPA 6010b	
Chromium	47	2.0		mg/kg	EPA 6010b	
Cobalt	12	2.0		mg/kg	EPA 6010b	
Copper	46	1.0		mg/kg	EPA 6010b	
Lead	170	3.0		mg/kg	EPA 6010b	
Nickel	99	2.0		mg/kg	EPA 6010b	
Vanadium	32	5.0		mg/kg	EPA 6010b	
Zinc	500	1.0		mg/kg	EPA 6010b	
Mercury	0.30	0.10		mg/kg	EPA 7471A Soil	

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**T1-2**  
**T202874-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0072822	07/30/20	07/31/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		101 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>110</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	07/31/20	"	
Cadmium	ND	2.0	"	"	"	"	07/31/20	"	
<b>Chromium</b>	<b>57</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>15</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>26</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>4.9</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>140</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>39</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>61</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	0.20	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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**T1-2**  
**T202874-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	5.0	ug/kg	1	0072830	08/03/20	08/03/20	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		107 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		112 %	35-140		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

PCB-1016	ND	10	ug/kg	1	0072831	08/03/20	08/03/20	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	

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**T1-2**  
**T202874-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

Surrogate: Tetrachloro-meta-xylene	73.1 %	35-140			0072831	08/03/20	08/03/20	EPA 8082	
Surrogate: Decachlorobiphenyl	95.0 %	35-140			"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	0072925	08/03/20	08/04/20	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA	52.4 %	35-150			"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	

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**T1-2**  
**T202874-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	

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Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
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**T1-2  
T202874-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Tetrachloroethene	ND	1.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	1.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		100 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		103 %	82.6-117		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
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**T1-2  
T202874-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Acenaphthene	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T1-2  
T202874-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	1000	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		98.7 %	15-121		"	"	"	"	
Surrogate: Phenol-d6		78.1 %	24-113		"	"	"	"	
Surrogate: Nitrobenzene-d5		78.0 %	21.3-119		"	"	"	"	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T1-2**  
**T202874-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	51.7 %	32.4-102			0072743	08/03/20	08/04/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	79.9 %	18.1-105			"	"	"	"	
Surrogate: Terphenyl-d14	85.4 %	29.1-130			"	"	"	"	

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**T1-5**  
**T202874-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0072822	07/30/20	07/31/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>18</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		90.9 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>98</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
<b>Cadmium</b>	<b>7.5</b>	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>41</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>9.3</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>110</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>110</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>73</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>22</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>890</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	<b>0.20</b>	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T1-5**  
**T202874-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	5.0	ug/kg	1	0072830	08/03/20	08/03/20	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		101 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		100 %	35-140		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

PCB-1016	ND	10	ug/kg	1	0072831	08/03/20	08/03/20	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T1-5**  
**T202874-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

Surrogate: Tetrachloro-meta-xylene	79.9 %	35-140			0072831	08/03/20	08/03/20	EPA 8082	
Surrogate: Decachlorobiphenyl	98.4 %	35-140			"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	0072925	08/03/20	08/04/20	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA	59.1 %	35-150			"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T1-5**  
**T202874-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T1-5**  
**T202874-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Tetrachloroethene	ND	1.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	1.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		99.7 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	82.6-117		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	

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**T1-5**  
**T202874-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T1-5**  
**T202874-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	1000	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		64.1 %	15-121		"	"	"	"	
Surrogate: Phenol-d6		70.5 %	24-113		"	"	"	"	
Surrogate: Nitrobenzene-d5		81.1 %	21.3-119		"	"	"	"	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T1-5**  
**T202874-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	81.8 %	32.4-102			0072743	08/03/20	08/04/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	85.4 %	18.1-105			"	"	"	"	
Surrogate: Terphenyl-d14	92.0 %	29.1-130			"	"	"	"	

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**T2-1**  
**T202874-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0072822	07/30/20	07/31/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>13</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		93.0 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	07/31/20	"	
Arsenic	ND	5.0	"	"	"	"	07/31/20	"	
<b>Barium</b>	<b>160</b>	1.0	"	"	"	"	07/31/20	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
<b>Cadmium</b>	<b>4.9</b>	2.0	"	"	"	"	07/31/20	"	
<b>Chromium</b>	<b>58</b>	2.0	"	"	"	"	07/31/20	"	
<b>Cobalt</b>	<b>9.5</b>	2.0	"	"	"	"	07/31/20	"	
<b>Copper</b>	<b>120</b>	1.0	"	"	"	"	07/31/20	"	
<b>Lead</b>	<b>240</b>	3.0	"	"	"	"	07/31/20	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>74</b>	2.0	"	"	"	"	07/31/20	"	
Selenium	ND	5.0	"	"	"	"	07/31/20	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>36</b>	5.0	"	"	"	"	07/31/20	"	
<b>Zinc</b>	<b>690</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	0.11	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T2-1**  
**T202874-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	5.0	ug/kg	1	0072830	08/03/20	08/03/20	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		110 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		110 %	35-140		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

PCB-1016	ND	10	ug/kg	1	0072831	08/03/20	08/03/20	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T2-1**  
**T202874-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

Surrogate: Tetrachloro-meta-xylene	80.6 %	35-140			0072831	08/03/20	08/03/20	EPA 8082	
Surrogate: Decachlorobiphenyl	105 %	35-140			"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	0072925	08/03/20	08/04/20	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA	38.2 %	35-150			"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T2-1**  
**T202874-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

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PO Box 332  
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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T2-1**  
**T202874-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Tetrachloroethene	ND	1.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	1.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	82.6-117		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T2-1**  
**T202874-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Acenaphthene	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T2-1**  
**T202874-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	1000	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		58.2 %	15-121		"	"	"	"	
Surrogate: Phenol-d6		67.1 %	24-113		"	"	"	"	
Surrogate: Nitrobenzene-d5		74.4 %	21.3-119		"	"	"	"	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T2-1**  
**T202874-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	78.4 %	32.4-102			0072743	08/03/20	08/04/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	82.5 %	18.1-105			"	"	"	"	
Surrogate: Terphenyl-d14	87.8 %	29.1-130			"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/04/20 15:55

**T2-2**  
**T202874-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0072822	07/30/20	07/31/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		91.8 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	15	mg/kg	5	0072821	07/28/20	07/31/20	EPA 6010b	R-07
Silver	ND	10	"	"	"	"	"	"	R-07
Arsenic	ND	25	"	"	"	"	"	"	
<b>Barium</b>	<b>230</b>	5.0	"	"	"	"	"	"	
Beryllium	ND	5.0	"	"	"	"	"	"	R-07
Cadmium	ND	10	"	"	"	"	"	"	
<b>Chromium</b>	<b>110</b>	10	"	"	"	"	"	"	
<b>Cobalt</b>	<b>33</b>	10	"	"	"	"	"	"	
<b>Copper</b>	<b>56</b>	5.0	"	"	"	"	"	"	
Lead	ND	15	"	"	"	"	"	"	
Molybdenum	ND	25	"	"	"	"	"	"	R-07
<b>Nickel</b>	<b>290</b>	10	"	"	"	"	"	"	
Selenium	ND	25	"	"	"	"	"	"	R-07
Thallium	ND	25	"	"	"	"	"	"	R-07
<b>Vanadium</b>	<b>88</b>	25	"	"	"	"	"	"	
<b>Zinc</b>	<b>110</b>	5.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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**T2-2**  
**T202874-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	5.0	ug/kg	1	0072830	08/03/20	08/03/20	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		104 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		111 %	35-140		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

PCB-1016	ND	10	ug/kg	1	0072831	08/03/20	08/03/20	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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**T2-2**  
**T202874-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

Surrogate: Tetrachloro-meta-xylene	79.4 %	35-140			0072831	08/03/20	08/03/20	EPA 8082	
Surrogate: Decachlorobiphenyl	99.3 %	35-140			"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	0072925	08/03/20	08/04/20	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA	50.1 %	35-150			"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T2-2**  
**T202874-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T2-2**  
**T202874-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Tetrachloroethene	ND	1.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	1.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		103 %	82.6-117		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	

SunStar Laboratories, Inc.



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**T2-2**  
**T202874-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	

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**T2-2**  
**T202874-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	1000	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	

Surrogate: 2-Fluorophenol	65.7 %	15-121	"	"	"	"	"	"	
Surrogate: Phenol-d6	74.9 %	24-113	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5	53.4 %	21.3-119	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T2-2**  
**T202874-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	88.6 %	32.4-102			0072743	08/03/20	08/04/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	89.0 %	18.1-105			"	"	"	"	
Surrogate: Terphenyl-d14	96.9 %	29.1-130			"	"	"	"	

SunStar Laboratories, Inc.

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**T2-3**  
**T202874-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0072822	07/30/20	07/31/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>15</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		73.1 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>140</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	07/31/20	"	
Cadmium	ND	2.0	"	"	"	"	07/31/20	"	
<b>Chromium</b>	<b>35</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>9.8</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>73</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>170</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>70</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>30</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>370</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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**T2-3**  
**T202874-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	5.0	ug/kg	1	0072830	08/03/20	08/03/20	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		101 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		112 %	35-140		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

PCB-1016	ND	10	ug/kg	1	0072831	08/03/20	08/03/20	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T2-3**  
**T202874-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

Surrogate: Tetrachloro-meta-xylene	79.3 %	35-140			0072831	08/03/20	08/03/20	EPA 8082	
Surrogate: Decachlorobiphenyl	91.3 %	35-140			"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	0072925	08/03/20	08/04/20	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA	45.3 %	35-150			"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T2-3**  
**T202874-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

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Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T2-3**  
**T202874-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Tetrachloroethene	ND	1.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	1.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		100 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	82.6-117		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	1500	ug/kg	5	0072743	08/03/20	08/04/20	EPA 8270C	R-07
Aniline	ND	1500	"	"	"	"	"	"	R-07
Phenol	ND	5000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	5000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	1500	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	1500	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	1500	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	5000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	1500	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	1500	"	"	"	"	"	"	R-07

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Project Number: 347-001  
Project Manager: Joe Brusca

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**T2-3**  
**T202874-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	1500	ug/kg	5	0072743	08/03/20	08/04/20	EPA 8270C	R-07
4-Nitrophenol	ND	5000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	1500	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	5000	"	"	"	"	"	"	R-07
Pyrene	ND	1500	"	"	"	"	"	"	R-07
Acenaphthylene	ND	1500	"	"	"	"	"	"	R-07
Anthracene	ND	1500	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	1500	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	1500	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	1500	"	"	"	"	"	"	R-07
Benzo (g,h,i) perylene	ND	5000	"	"	"	"	"	"	R-07
Benzo (a) pyrene	ND	1500	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	1500	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	1500	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	1500	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	1500	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	1500	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	1500	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	1500	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	1500	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	1500	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	1500	"	"	"	"	"	"	R-07
Chrysene	ND	1500	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	1500	"	"	"	"	"	"	R-07
Dibenzofuran	ND	1500	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	1500	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	1500	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	1500	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	5000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	1500	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	5000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	1500	"	"	"	"	"	"	R-07

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T2-3**  
**T202874-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	5000	ug/kg	5	0072743	08/03/20	08/04/20	EPA 8270C	R-07
2,4-Dinitrophenol	ND	5000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	5000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	1500	"	"	"	"	"	"	R-07
Fluoranthene	ND	1500	"	"	"	"	"	"	R-07
Fluorene	ND	1500	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	7500	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	1500	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	5000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	1500	"	"	"	"	"	"	R-07
Indeno (1,2,3-cd) pyrene	ND	1500	"	"	"	"	"	"	R-07
Isophorone	ND	1500	"	"	"	"	"	"	R-07
2-Methylphenol	ND	5000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	5000	"	"	"	"	"	"	R-07
Naphthalene	ND	1500	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	1500	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	1500	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	1500	"	"	"	"	"	"	R-07
Nitrobenzene	ND	5000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	5000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	1500	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	1500	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	1500	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	1500	"	"	"	"	"	"	R-07
Phenanthrene	ND	1500	"	"	"	"	"	"	R-07
Azobenzene	ND	1500	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	5000	"	"	"	"	"	"	R-07
Pyridine	ND	1500	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	5000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		56.0 %	15-121	"	"	"	"	"	R-07
Surrogate: Phenol-d6		64.2 %	24-113	"	"	"	"	"	R-07
Surrogate: Nitrobenzene-d5		74.0 %	21.3-119	"	"	"	"	"	R-07

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T2-3**  
**T202874-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	86.7 %	32.4-102			0072743	08/03/20	08/04/20	EPA 8270C	R-07
Surrogate: 2,4,6-Tribromophenol	84.7 %	18.1-105			"	"	"	"	R-07
Surrogate: Terphenyl-d14	83.8 %	29.1-130			"	"	"	"	R-07

SunStar Laboratories, Inc.

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**T3-1**  
**T202874-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0072822	07/30/20	07/31/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>21</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		89.9 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>160</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>50</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>12</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>52</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>87</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>120</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>70</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>380</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	<b>0.10</b>	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T3-1**  
**T202874-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	5.0	ug/kg	1	0072830	08/03/20	08/03/20	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		107 %	35-140		"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		106 %	35-140		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

PCB-1016	ND	10	ug/kg	1	0072831	08/03/20	08/03/20	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T3-1**  
**T202874-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

Surrogate: Tetrachloro-meta-xylene	67.3 %	35-140			0072831	08/03/20	08/03/20	EPA 8082	
Surrogate: Decachlorobiphenyl	93.0 %	35-140			"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	0072925	08/03/20	08/04/20	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
<b>Pentachlorophenol</b>	<b>67.7</b>	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA	46.6 %	35-150			"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T3-1**  
**T202874-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Chloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T3-1**  
**T202874-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Tetrachloroethene	ND	1.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	1.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		99.7 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	82.6-117		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	

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Brusca Associates Inc.  
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Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T3-1**  
**T202874-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Acenaphthene	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T3-1**  
**T202874-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	1000	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		60.3 %	15-121		"	"	"	"	
Surrogate: Phenol-d6		68.3 %	24-113		"	"	"	"	
Surrogate: Nitrobenzene-d5		53.9 %	21.3-119		"	"	"	"	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T3-1**  
**T202874-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	82.4 %	32.4-102			0072743	08/03/20	08/04/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	86.5 %	18.1-105			"	"	"	"	
Surrogate: Terphenyl-d14	93.5 %	29.1-130			"	"	"	"	

SunStar Laboratories, Inc.

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**T4-2**  
**T202874-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0072822	07/30/20	07/31/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>28</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		91.5 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>300</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
<b>Cadmium</b>	<b>4.3</b>	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>50</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>14</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>220</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>330</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>160</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>27</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>1900</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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**T4-2**  
**T202874-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	5.0	ug/kg	1	0072830	08/03/20	08/03/20	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
<b>gamma-Chlordane</b>	<b>17</b>	5.0	"	"	"	"	"	"	
<b>alpha-Chlordane</b>	<b>15</b>	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		113 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		116 %	35-140		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

PCB-1016	ND	10	ug/kg	1	0072831	08/03/20	08/03/20	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T4-2**  
**T202874-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082/3550C**

Surrogate: Tetrachloro-meta-xylene	95.5 %	35-140			0072831	08/03/20	08/03/20	EPA 8082	
Surrogate: Decachlorobiphenyl	96.4 %	35-140			"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	5.00	ug/kg	1	0072925	08/03/20	08/04/20	8151	
2,4,5-TP (Silvex)	ND	5.00	"	"	"	"	"	"	
2,4-D	ND	5.00	"	"	"	"	"	"	
2,4-DB	ND	5.00	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	5.00	"	"	"	"	"	"	
4-Nitrophenol	ND	5.00	"	"	"	"	"	"	
Acifluorfen	ND	5.00	"	"	"	"	"	"	
Bentazon	ND	5.00	"	"	"	"	"	"	
Chloramben	ND	5.00	"	"	"	"	"	"	
Dalapon	ND	30.0	"	"	"	"	"	"	
DCPA diacid	ND	5.00	"	"	"	"	"	"	
Dicamba	ND	5.00	"	"	"	"	"	"	
Dichloroprop	ND	5.00	"	"	"	"	"	"	
Dinoseb	ND	5.00	"	"	"	"	"	"	
Pentachlorophenol	ND	5.00	"	"	"	"	"	"	
Picloram	ND	5.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA	38.9 %	35-150			"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T4-2**  
**T202874-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T4-2**  
**T202874-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Tetrachloroethene	ND	1.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	1.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		99.9 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		102 %	82.6-117		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	

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**T4-2**  
**T202874-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Acenaphthene	ND	300	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
<b>Dimethyl phthalate</b>	<b>580</b>	<b>300</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	<b>"</b>	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T4-2**  
**T202874-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	1000	ug/kg	1	0072743	08/03/20	08/04/20	EPA 8270C	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		53.4 %	15-121		"	"	"	"	
Surrogate: Phenol-d6		58.7 %	24-113		"	"	"	"	
Surrogate: Nitrobenzene-d5		50.6 %	21.3-119		"	"	"	"	

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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T4-2**  
**T202874-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatle Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	76.0 %	32.4-102			0072743	08/03/20	08/04/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	79.4 %	18.1-105			"	"	"	"	
Surrogate: Terphenyl-d14	82.2 %	29.1-130			"	"	"	"	

SunStar Laboratories, Inc.

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T1-4**  
**T202874-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0072822	07/30/20	07/31/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		92.8 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	07/31/20	"	
Arsenic	ND	5.0	"	"	"	"	07/31/20	"	
<b>Barium</b>	<b>90</b>	1.0	"	"	"	"	07/31/20	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	07/31/20	"	
<b>Chromium</b>	<b>43</b>	2.0	"	"	"	"	07/31/20	"	
<b>Cobalt</b>	<b>11</b>	2.0	"	"	"	"	07/31/20	"	
<b>Copper</b>	<b>19</b>	1.0	"	"	"	"	07/31/20	"	
<b>Lead</b>	<b>3.5</b>	3.0	"	"	"	"	07/31/20	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>97</b>	2.0	"	"	"	"	07/31/20	"	
Selenium	ND	5.0	"	"	"	"	07/31/20	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>34</b>	5.0	"	"	"	"	07/31/20	"	
<b>Zinc</b>	<b>36</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	<b>0.11</b>	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T1-4**  
**T202874-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T1-4**  
**T202874-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	1.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	1.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		103 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		104 %	82.6-117		"	"	"	"	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T3-2**  
**T202874-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0072822	07/30/20	07/31/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		92.7 %		65-135	"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>130</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	07/31/20	"	
Cadmium	ND	2.0	"	"	"	"	07/31/20	"	
<b>Chromium</b>	<b>51</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>12</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>27</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>5.9</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>100</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>39</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>54</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T3-2**  
**T202874-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Bromobenzene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
Bromochloromethane	ND	2.5	"	"	"	"	"	"	
Bromodichloromethane	ND	2.5	"	"	"	"	"	"	
Bromoform	ND	2.5	"	"	"	"	"	"	
Bromomethane	ND	2.5	"	"	"	"	"	"	
n-Butylbenzene	ND	2.5	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"	
Chlorobenzene	ND	2.5	"	"	"	"	"	"	
Chloroethane	ND	2.5	"	"	"	"	"	"	
Chloroform	ND	2.5	"	"	"	"	"	"	
Chloromethane	ND	2.5	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"	
Dibromochloromethane	ND	2.5	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"	
Dibromomethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"	

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**T3-2**  
**T202874-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	1.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	1.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		103 %	82.6-117		"	"	"	"	

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**T4-1**  
**T202874-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0072822	07/30/20	07/31/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		94.6 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>96</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>52</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>14</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>27</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>5.3</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>130</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>40</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>49</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T4-1**  
**T202874-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Bromobenzene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B
Bromochloromethane	ND	2.5	"	"	"	"	"	"
Bromodichloromethane	ND	2.5	"	"	"	"	"	"
Bromoform	ND	2.5	"	"	"	"	"	"
Bromomethane	ND	2.5	"	"	"	"	"	"
n-Butylbenzene	ND	2.5	"	"	"	"	"	"
sec-Butylbenzene	ND	2.5	"	"	"	"	"	"
tert-Butylbenzene	ND	2.5	"	"	"	"	"	"
Carbon tetrachloride	ND	2.5	"	"	"	"	"	"
Chlorobenzene	ND	2.5	"	"	"	"	"	"
Chloroethane	ND	2.5	"	"	"	"	"	"
Chloroform	ND	2.5	"	"	"	"	"	"
Chloromethane	ND	2.5	"	"	"	"	"	"
2-Chlorotoluene	ND	2.5	"	"	"	"	"	"
4-Chlorotoluene	ND	2.5	"	"	"	"	"	"
Dibromochloromethane	ND	2.5	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	2.5	"	"	"	"	"	"
Dibromomethane	ND	2.5	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	2.5	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	2.5	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	2.5	"	"	"	"	"	"
Dichlorodifluoromethane	ND	2.5	"	"	"	"	"	"
1,1-Dichloroethane	ND	2.5	"	"	"	"	"	"
1,2-Dichloroethane	ND	2.5	"	"	"	"	"	"
1,1-Dichloroethene	ND	2.5	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	2.5	"	"	"	"	"	"
1,2-Dichloropropane	ND	2.5	"	"	"	"	"	"
1,3-Dichloropropane	ND	2.5	"	"	"	"	"	"
2,2-Dichloropropane	ND	2.5	"	"	"	"	"	"
1,1-Dichloropropene	ND	2.5	"	"	"	"	"	"

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

**T4-1**  
**T202874-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

cis-1,3-Dichloropropene	ND	2.5	ug/kg	1	0072827	07/28/20	07/29/20	EPA 8260B	
trans-1,3-Dichloropropene	ND	2.5	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.5	"	"	"	"	"	"	
Isopropylbenzene	ND	2.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.5	"	"	"	"	"	"	
Methylene chloride	ND	10	"	"	"	"	"	"	
Naphthalene	ND	2.5	"	"	"	"	"	"	
n-Propylbenzene	ND	2.5	"	"	"	"	"	"	
Styrene	ND	2.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.5	"	"	"	"	"	"	
Tetrachloroethene	ND	1.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.5	"	"	"	"	"	"	
Trichloroethene	ND	1.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.5	"	"	"	"	"	"	
Vinyl chloride	ND	2.5	"	"	"	"	"	"	
Benzene	ND	2.5	"	"	"	"	"	"	
Toluene	ND	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	2.5	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		102 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		104 %	82.6-117		"	"	"	"	

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T1-1**  
**T202874-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>80</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>29</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>7.9</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>16</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>12</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>50</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>26</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>78</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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**T1-3**  
**T202874-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	07/31/20	"	
Arsenic	ND	5.0	"	"	"	"	07/31/20	"	
<b>Barium</b>	<b>100</b>	1.0	"	"	"	"	07/31/20	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	07/31/20	"	
<b>Chromium</b>	<b>28</b>	2.0	"	"	"	"	07/31/20	"	
<b>Cobalt</b>	<b>7.0</b>	2.0	"	"	"	"	07/31/20	"	
<b>Copper</b>	<b>24</b>	1.0	"	"	"	"	07/31/20	"	
<b>Lead</b>	<b>43</b>	3.0	"	"	"	"	07/31/20	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>60</b>	2.0	"	"	"	"	07/31/20	"	
Selenium	ND	5.0	"	"	"	"	07/31/20	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>21</b>	5.0	"	"	"	"	07/31/20	"	
<b>Zinc</b>	<b>170</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T1-6**  
**T202874-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>160</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	07/31/20	"	
<b>Cadmium</b>	<b>3.4</b>	2.0	"	"	"	"	07/31/20	"	
<b>Chromium</b>	<b>30</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>8.6</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>87000</b>	5.0	"	5	"	"	08/03/20	"	
<b>Lead</b>	<b>270</b>	3.0	"	1	"	"	07/31/20	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>64</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>20</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>1300</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T1-7**  
**T202874-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>110</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>51</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>13</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>36</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>22</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>110</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>36</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>88</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T2-4**  
**T202874-15 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	07/31/20	"	
Arsenic	ND	5.0	"	"	"	"	07/31/20	"	
<b>Barium</b>	<b>160</b>	1.0	"	"	"	"	07/31/20	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	07/31/20	"	
<b>Chromium</b>	<b>34</b>	2.0	"	"	"	"	07/31/20	"	
<b>Cobalt</b>	<b>9.1</b>	2.0	"	"	"	"	07/31/20	"	
<b>Copper</b>	<b>33</b>	1.0	"	"	"	"	07/31/20	"	
<b>Lead</b>	<b>42</b>	3.0	"	"	"	"	07/31/20	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>68</b>	2.0	"	"	"	"	07/31/20	"	
Selenium	ND	5.0	"	"	"	"	07/31/20	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>25</b>	5.0	"	"	"	"	07/31/20	"	
<b>Zinc</b>	<b>130</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T3-3**  
**T202874-16 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>130</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	07/31/20	"	
Cadmium	ND	2.0	"	"	"	"	07/31/20	"	
<b>Chromium</b>	<b>35</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>12</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>41</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>45</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>76</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>54</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>160</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**T4-3**  
**T202874-17 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0072821	07/28/20	07/31/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>120</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>47</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>12</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>46</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>170</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>99</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>32</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>500</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	0.30	0.10	mg/kg	1	0072820	07/28/20	07/30/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**Extractable Petroleum Hydrocarbons by 8015B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072822 - EPA 3550B GC**

**Blank (0072822-BLK1)**

Prepared: 07/30/20 Analyzed: 07/31/20

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
<i>Surrogate: p-Terphenyl</i>	82.1		"	102		80.4	65-135			

**LCS (0072822-BS1)**

Prepared: 07/30/20 Analyzed: 07/31/20

C13-C28 (DRO)	420	10	mg/kg	495		85.2	75-125			
<i>Surrogate: p-Terphenyl</i>	77.3		"	99.0		78.0	65-135			

**LCS Dup (0072822-BSD1)**

Prepared: 07/30/20 Analyzed: 07/31/20

C13-C28 (DRO)	470	10	mg/kg	490		96.2	75-125	11.1	20	
<i>Surrogate: p-Terphenyl</i>	88.7		"	98.0		90.5	65-135			

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/04/20 15:55

**Metals by EPA 6010B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072821 - EPA 3050B**

**Blank (0072821-BLK1)**

Prepared: 07/28/20 Analyzed: 07/31/20

Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							

**LCS (0072821-BS1)**

Prepared: 07/28/20 Analyzed: 07/31/20

Arsenic	99.1	5.0	mg/kg	100		99.1	75-125			
Barium	100	1.0	"	100		100	75-125			
Cadmium	100	2.0	"	100		100	75-125			
Chromium	99.9	2.0	"	100		99.9	75-125			
Lead	99.4	3.0	"	100		99.4	75-125			

**Matrix Spike (0072821-MS1)**

Source: T202874-01

Prepared: 07/28/20 Analyzed: 07/31/20

Arsenic	68.9	5.0	mg/kg	98.0	1.43	68.8	75-125			QM-05
Barium	203	1.0	"	98.0	108	96.0	75-125			
Cadmium	67.1	2.0	"	98.0	0.586	67.8	75-125			QM-05
Chromium	126	2.0	"	98.0	57.1	70.0	75-125			QM-05
Lead	68.7	3.0	"	98.0	4.88	65.1	75-125			QM-05

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
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**Metals by EPA 6010B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072821 - EPA 3050B**

**Matrix Spike Dup (0072821-MSD1)**

Source: T202874-01

Prepared: 07/28/20 Analyzed: 07/31/20

Arsenic	63.9	5.0	mg/kg	98.0	1.43	63.7	75-125	7.53	20	QM-05
Barium	168	1.0	"	98.0	108	60.9	75-125	18.6	20	QM-05
Cadmium	62.0	2.0	"	98.0	0.586	62.6	75-125	7.96	20	QM-05
Chromium	116	2.0	"	98.0	57.1	60.0	75-125	8.11	20	QM-05
Lead	63.6	3.0	"	98.0	4.88	59.9	75-125	7.82	20	QM-05

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/04/20 15:55

**Cold Vapor Extraction EPA 7470/7471 - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072820 - EPA 7471A Soil**

**Blank (0072820-BLK1)**

Prepared: 07/28/20 Analyzed: 07/30/20

Mercury ND 0.10 mg/kg

**LCS (0072820-BS1)**

Prepared: 07/28/20 Analyzed: 07/30/20

Mercury 0.369 0.10 mg/kg 0.417 88.6 80-120

**Matrix Spike (0072820-MS1)**

**Source: T202874-01**

Prepared: 07/28/20 Analyzed: 07/30/20

Mercury 0.726 0.10 mg/kg 0.397 0.198 133 75-125 QM-05

**Matrix Spike Dup (0072820-MSD1)**

**Source: T202874-01**

Prepared: 07/28/20 Analyzed: 07/30/20

Mercury 0.579 0.10 mg/kg 0.417 0.198 91.4 75-125 22.6 20 QM-05

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Mike Jaroudi, Project Manager



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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/04/20 15:55

**Organochlorine Pesticides by EPA Method 8081A - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072830 - EPA 3550 ECD/GCMS**

**Blank (0072830-BLK1)**

Prepared & Analyzed: 08/03/20

alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
4,4'-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4'-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							
4,4'-DDT	ND	5.0	"							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	5.0	"							
Endrin ketone	ND	5.0	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	9.92		"	9.90		100	35-140			
Surrogate: Decachlorobiphenyl	11.4		"	9.90		115	35-140			

**LCS (0072830-BS1)**

Prepared & Analyzed: 08/03/20

gamma-BHC (Lindane)	37.9	5.0	ug/kg	39.6		95.7	40-120			
Heptachlor	39.6	5.0	"	39.6		100	40-120			
Aldrin	31.9	5.0	"	39.6		80.6	40-120			
Dieldrin	40.7	5.0	"	39.6		103	40-120			
Endrin	40.2	5.0	"	39.6		102	40-120			
4,4'-DDT	41.8	5.0	"	39.6		105	33-147			
Surrogate: Tetrachloro-meta-xylene	10.2		"	9.90		103	35-140			
Surrogate: Decachlorobiphenyl	11.0		"	9.90		111	35-140			

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**Organochlorine Pesticides by EPA Method 8081A - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072830 - EPA 3550 ECD/GCMS**

**LCS Dup (0072830-BSD1)**

Prepared & Analyzed: 08/03/20

gamma-BHC (Lindane)	37.9	5.0	ug/kg	39.6		95.6	40-120	0.0167	30	
Heptachlor	40.3	5.0	"	39.6		102	40-120	1.73	30	
Aldrin	32.4	5.0	"	39.6		81.7	40-120	1.40	30	
Dieldrin	41.4	5.0	"	39.6		104	40-120	1.79	30	
Endrin	40.7	5.0	"	39.6		103	40-120	1.13	30	
4,4'-DDT	43.0	5.0	"	39.6		108	33-147	2.81	30	
Surrogate: Tetrachloro-meta-xylene	10.0		"	9.90		101	35-140			
Surrogate: Decachlorobiphenyl	10.4		"	9.90		105	35-140			

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**Polychlorinated Biphenyls by EPA Method 8082/3550C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072831 - EPA 3550 ECD/GCMS**

**Blank (0072831-BLK1)**

Prepared & Analyzed: 08/03/20

PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							
Surrogate: Tetrachloro-meta-xylene	8.92		"	10.0		89.2	35-140			
Surrogate: Decachlorobiphenyl	10.0		"	10.0		100	35-140			

**LCS (0072831-BS1)**

Prepared & Analyzed: 08/03/20

PCB-1016	116	10	ug/kg	100		116	40-130			
PCB-1260	123	10	"	100		123	40-130			
Surrogate: Tetrachloro-meta-xylene	10.7		"	10.0		107	35-140			
Surrogate: Decachlorobiphenyl	11.3		"	10.0		113	35-140			

**LCS Dup (0072831-BSD1)**

Prepared & Analyzed: 08/03/20

PCB-1016	122	10	ug/kg	100		122	40-130	5.22	30	
PCB-1260	117	10	"	100		117	40-130	4.97	30	
Surrogate: Tetrachloro-meta-xylene	8.75		"	10.0		87.5	35-140			
Surrogate: Decachlorobiphenyl	9.94		"	10.0		99.4	35-140			

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/04/20 15:55

**Chlorinated Herbicides by EPA Method 8151A - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072925 - 8151 Prep**

**Blank (0072925-BLK1)**

Prepared: 08/03/20 Analyzed: 08/04/20

2,4,5-T	ND	5.00	ug/kg							
2,4,5-TP (Silvex)	ND	5.00	"							
2,4-D	ND	5.00	"							
2,4-DB	ND	5.00	"							
3,5-Dichlorobenzoic acid	ND	5.00	"							
4-Nitrophenol	ND	5.00	"							
Acifluorfen	ND	5.00	"							
Bentazon	ND	5.00	"							
Chloramben	ND	5.00	"							
Dalapon	ND	30.0	"							
DCPA diacid	ND	5.00	"							
Dicamba	ND	5.00	"							
Dichloroprop	ND	5.00	"							
Dinoseb	ND	5.00	"							
Pentachlorophenol	ND	5.00	"							
Picloram	ND	5.00	"							
Surrogate: 2,4-DCAA	230		"	398		57.8	35-150			

**LCS (0072925-BS1)**

Prepared: 08/03/20 Analyzed: 08/04/20

2,4,5-T	58.6	5.00	ug/kg	98.6		59.4	20-150			
2,4,5-TP (Silvex)	61.2	5.00	"	98.8		61.9	20-150			
2,4-D	86.4	5.00	"	98.8		87.4	20-150			
Surrogate: 2,4-DCAA	220		"	395		55.6	35-150			

**LCS Dup (0072925-BSD1)**

Prepared: 08/03/20 Analyzed: 08/04/20

2,4,5-T	63.2	5.00	ug/kg	98.4		64.2	20-150	7.49	30	
2,4,5-TP (Silvex)	65.2	5.00	"	98.6		66.1	20-150	6.34	30	
2,4-D	87.2	5.00	"	98.6		88.4	20-150	0.875	30	
Surrogate: 2,4-DCAA	214		"	394		54.4	35-150			

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/04/20 15:55

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072827 - EPA 5030 GCMS**

**Blank (0072827-BLK1)**

Prepared & Analyzed: 07/28/20

Bromobenzene	ND	2.5	ug/kg
Bromochloromethane	ND	2.5	"
Bromodichloromethane	ND	2.5	"
Bromoform	ND	2.5	"
Bromomethane	ND	2.5	"
n-Butylbenzene	ND	2.5	"
sec-Butylbenzene	ND	2.5	"
tert-Butylbenzene	ND	2.5	"
Carbon tetrachloride	ND	2.5	"
Chlorobenzene	ND	2.5	"
Chloroethane	ND	2.5	"
Chloroform	ND	2.5	"
Chloromethane	ND	2.5	"
2-Chlorotoluene	ND	2.5	"
4-Chlorotoluene	ND	2.5	"
Dibromochloromethane	ND	2.5	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane (EDB)	ND	2.5	"
Dibromomethane	ND	2.5	"
1,2-Dichlorobenzene	ND	2.5	"
1,3-Dichlorobenzene	ND	2.5	"
1,4-Dichlorobenzene	ND	2.5	"
Dichlorodifluoromethane	ND	2.5	"
1,1-Dichloroethane	ND	2.5	"
1,2-Dichloroethane	ND	2.5	"
1,1-Dichloroethene	ND	2.5	"
cis-1,2-Dichloroethene	ND	2.5	"
trans-1,2-Dichloroethene	ND	2.5	"
1,2-Dichloropropane	ND	2.5	"
1,3-Dichloropropane	ND	2.5	"
2,2-Dichloropropane	ND	2.5	"
1,1-Dichloropropene	ND	2.5	"
cis-1,3-Dichloropropene	ND	2.5	"
trans-1,3-Dichloropropene	ND	2.5	"
Hexachlorobutadiene	ND	2.5	"
Isopropylbenzene	ND	2.5	"

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/04/20 15:55

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072827 - EPA 5030 GCMS**

**Blank (0072827-BLK1)**

Prepared & Analyzed: 07/28/20

p-Isopropyltoluene	ND	2.5	ug/kg							
Methylene chloride	ND	10	"							
Naphthalene	ND	2.5	"							
n-Propylbenzene	ND	2.5	"							
Styrene	ND	2.5	"							
1,1,2,2-Tetrachloroethane	ND	2.5	"							
1,1,1,2-Tetrachloroethane	ND	2.5	"							
Tetrachloroethene	ND	1.5	"							
1,2,3-Trichlorobenzene	ND	2.5	"							
1,2,4-Trichlorobenzene	ND	2.5	"							
1,1,2-Trichloroethane	ND	2.5	"							
1,1,1-Trichloroethane	ND	2.5	"							
Trichloroethene	ND	1.5	"							
Trichlorofluoromethane	ND	2.5	"							
1,2,3-Trichloropropane	ND	2.5	"							
1,3,5-Trimethylbenzene	ND	2.5	"							
1,2,4-Trimethylbenzene	ND	2.5	"							
Vinyl chloride	ND	2.5	"							
Benzene	ND	2.5	"							
Toluene	ND	2.5	"							
Ethylbenzene	ND	2.5	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	2.5	"							
Surrogate: 4-Bromofluorobenzene	50.7		"	50.0		101	75.4-139			
Surrogate: Dibromofluoromethane	47.2		"	50.0		94.4	73.1-125			
Surrogate: Toluene-d8	50.8		"	50.0		102	82.6-117			

**LCS (0072827-BS1)**

Prepared & Analyzed: 07/28/20

Chlorobenzene	43.6	2.5	ug/kg	50.0		87.3	65.2-124			
1,1-Dichloroethene	47.9	2.5	"	50.0		95.8	60.9-131			
Trichloroethene	48.5	1.5	"	50.0		96.9	62.1-126			
Benzene	49.8	2.5	"	50.0		99.7	65.3-127			
Toluene	45.8	2.5	"	50.0		91.6	64.3-122			
Surrogate: 4-Bromofluorobenzene	50.1		"	50.0		100	75.4-139			
Surrogate: Dibromofluoromethane	49.5		"	50.0		99.0	73.1-125			
Surrogate: Toluene-d8	51.5		"	50.0		103	82.6-117			

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072827 - EPA 5030 GCMS**

Matrix Spike (0072827-MS1)	Source: T202861-11			Prepared & Analyzed: 07/28/20						
Chlorobenzene	14.0	2.5	ug/kg	49.0	ND	28.5	65.2-125			QM-07
1,1-Dichloroethene	20.0	2.5	"	49.0	ND	40.9	60.9-131			QM-07
Trichloroethene	17.4	1.5	"	49.0	ND	35.4	62.1-126			QM-07
Benzene	18.3	2.5	"	49.0	ND	37.3	65.3-127			QM-07
Toluene	15.6	2.5	"	49.0	ND	31.8	64.3-125			QM-07
Surrogate: 4-Bromofluorobenzene	51.8		"	49.0		106	75.4-139			
Surrogate: Dibromofluoromethane	52.5		"	49.0		107	73.1-125			
Surrogate: Toluene-d8	50.5		"	49.0		103	82.6-117			

Matrix Spike Dup (0072827-MSD1)	Source: T202861-11			Prepared & Analyzed: 07/28/20						
Chlorobenzene	12.5	2.5	ug/kg	50.0	ND	24.9	65.2-125	11.3	20	QM-07
1,1-Dichloroethene	18.9	2.5	"	50.0	ND	37.7	60.9-131	6.01	20	QM-07
Trichloroethene	16.0	1.5	"	50.0	ND	31.9	62.1-126	8.36	20	QM-07
Benzene	17.0	2.5	"	50.0	ND	34.1	65.3-127	7.16	20	QM-07
Toluene	14.2	2.5	"	50.0	ND	28.4	64.3-125	9.19	20	QM-07
Surrogate: 4-Bromofluorobenzene	52.3		"	50.0		105	75.4-139			
Surrogate: Dibromofluoromethane	53.0		"	50.0		106	73.1-125			
Surrogate: Toluene-d8	51.6		"	50.0		103	82.6-117			

SunStar Laboratories, Inc.

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.

Mike Jaroudi, Project Manager



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/04/20 15:55

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072743 - EPA 3550 ECD/GCMS**

**Blank (0072743-BLK1)**

Prepared & Analyzed: 08/03/20

Carbazole	ND	300	ug/kg
Phenol	ND	1000	"
Aniline	ND	300	"
2-Chlorophenol	ND	1000	"
1,4-Dichlorobenzene	ND	300	"
N-Nitrosodi-n-propylamine	ND	300	"
1,2,4-Trichlorobenzene	ND	300	"
4-Chloro-3-methylphenol	ND	1000	"
1-Methylnaphthalene	ND	300	"
2-Methylnaphthalene	ND	300	"
Acenaphthene	ND	300	"
4-Nitrophenol	ND	1000	"
2,4-Dinitrotoluene	ND	300	"
Pentachlorophenol	ND	1000	"
Pyrene	ND	300	"
Acenaphthylene	ND	300	"
Anthracene	ND	300	"
Benzo (a) anthracene	ND	300	"
Benzo (b) fluoranthene	ND	300	"
Benzo (k) fluoranthene	ND	300	"
Benzo (g,h,i) perylene	ND	1000	"
Benzo (a) pyrene	ND	300	"
Benzyl alcohol	ND	300	"
Bis(2-chloroethoxy)methane	ND	300	"
Bis(2-chloroethyl)ether	ND	300	"
Bis(2-chloroisopropyl)ether	ND	300	"
Bis(2-ethylhexyl)phthalate	ND	300	"
4-Bromophenyl phenyl ether	ND	300	"
Butyl benzyl phthalate	ND	300	"
4-Chloroaniline	ND	300	"
2-Chloronaphthalene	ND	300	"
4-Chlorophenyl phenyl ether	ND	300	"
Chrysene	ND	300	"
Dibenz (a,h) anthracene	ND	300	"
Dibenzofuran	ND	300	"
Di-n-butyl phthalate	ND	300	"

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/04/20 15:55

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072743 - EPA 3550 ECD/GCMS**

**Blank (0072743-BLK1)**

Prepared & Analyzed: 08/03/20

1,2-Dichlorobenzene	ND	300	ug/kg							
1,3-Dichlorobenzene	ND	300	"							
2,4-Dichlorophenol	ND	1000	"							
Diethyl phthalate	ND	300	"							
2,4-Dimethylphenol	ND	1000	"							
Dimethyl phthalate	ND	300	"							
4,6-Dinitro-2-methylphenol	ND	1000	"							
2,4-Dinitrophenol	ND	1000	"							
2,6-Dinitrotoluene	ND	1000	"							
Di-n-octyl phthalate	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Hexachlorobenzene	ND	1500	"							
Hexachlorobutadiene	ND	300	"							
Hexachlorocyclopentadiene	ND	1000	"							
Hexachloroethane	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Isophorone	ND	300	"							
2-Methylphenol	ND	1000	"							
4-Methylphenol	ND	1000	"							
Naphthalene	ND	300	"							
2-Nitroaniline	ND	300	"							
3-Nitroaniline	ND	300	"							
4-Nitroaniline	ND	300	"							
Nitrobenzene	ND	1000	"							
2-Nitrophenol	ND	1000	"							
N-Nitrosodimethylamine	ND	300	"							
N-Nitrosodiphenylamine	ND	300	"							
2,3,5,6-Tetrachlorophenol	ND	300	"							
2,3,4,6-Tetrachlorophenol	ND	300	"							
Phenanthrene	ND	300	"							
Azobenzene	ND	300	"							
2,4,5-Trichlorophenol	ND	1000	"							
Pyridine	ND	300	"							
2,4,6-Trichlorophenol	ND	1000	"							

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/04/20 15:55

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072743 - EPA 3550 ECD/GCMS**

**Blank (0072743-BLK1)**

Prepared & Analyzed: 08/03/20

Surrogate: 2-Fluorophenol	2140		ug/kg	3280		65.4	15-121			
Surrogate: Phenol-d6	2350		"	3280		71.6	24-113			
Surrogate: Nitrobenzene-d5	2400		"	3280		73.1	21.3-119			
Surrogate: 2-Fluorobiphenyl	2810		"	3280		85.8	32.4-102			
Surrogate: 2,4,6-Tribromophenol	2750		"	3280		83.8	18.1-105			
Surrogate: Terphenyl-d14	3440		"	3280		105	29.1-130			

**LCS (0072743-BS1)**

Prepared & Analyzed: 08/03/20

Phenol	2180	1000	ug/kg	3300		66.0	34-114			
2-Chlorophenol	2480	1000	"	3300		75.1	34-114			
1,4-Dichlorobenzene	2430	300	"	3300		73.5	34-114			
N-Nitrosodi-n-propylamine	2430	300	"	3300		73.6	30-110			
1,2,4-Trichlorobenzene	2740	300	"	3300		83.0	39-119			
4-Chloro-3-methylphenol	3060	1000	"	3300		92.6	50-130			
Acenaphthene	2520	300	"	3300		76.4	34-114			
Pentachlorophenol	2350	1000	"	3300		71.2	50-130			
Pyrene	2280	300	"	3300		68.9	33.7-123			
Surrogate: 2-Fluorophenol	1980		"	3300		60.1	15-121			
Surrogate: Phenol-d6	2200		"	3300		66.6	24-113			
Surrogate: Nitrobenzene-d5	2440		"	3300		73.9	21.3-119			
Surrogate: 2-Fluorobiphenyl	2900		"	3300		88.0	32.4-102			
Surrogate: 2,4,6-Tribromophenol	2780		"	3300		84.3	18.1-105			
Surrogate: Terphenyl-d14	3390		"	3300		103	29.1-130			

**LCS Dup (0072743-BSD1)**

Prepared & Analyzed: 08/03/20

Phenol	2320	1000	ug/kg	3300		70.4	34-114	6.32	42	
2-Chlorophenol	2550	1000	"	3300		77.3	34-114	2.80	40	
1,4-Dichlorobenzene	2510	300	"	3300		76.2	34-114	3.58	28	
N-Nitrosodi-n-propylamine	2650	300	"	3300		80.2	30-110	8.61	38	
1,2,4-Trichlorobenzene	2740	300	"	3300		83.1	39-119	0.0843	28	
4-Chloro-3-methylphenol	3160	1000	"	3300		95.8	50-130	3.43	42	
Acenaphthene	2660	300	"	3300		80.7	34-114	5.51	31	
Pentachlorophenol	2350	1000	"	3300		71.2	50-130	0.0562	50	
Pyrene	2280	300	"	3300		69.0	33.7-123	0.0870	31	
Surrogate: 2-Fluorophenol	1970		"	3300		59.8	15-121			
Surrogate: Phenol-d6	2250		"	3300		68.3	24-113			

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/04/20 15:55
---	--	-----------------------------

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0072743 - EPA 3550 ECD/GCMS**

**LCS Dup (0072743-BSD1)**

Prepared & Analyzed: 08/03/20

Surrogate: Nitrobenzene-d5	2450		ug/kg	3300		74.1	21.3-119			
Surrogate: 2-Fluorobiphenyl	2850		"	3300		86.4	32.4-102			
Surrogate: 2,4,6-Tribromophenol	2910		"	3300		88.3	18.1-105			
Surrogate: Terphenyl-d14	3380		"	3300		102	29.1-130			

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager





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949.297.5020 Phone  
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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/04/20 15:55

### Notes and Definitions

- R-07 Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s) and/or matrix affect.
- QM-07 The spike recovery and or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

*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.*

Mike Jaroudi, Project Manager

**Chain of Custody Record**

Client: BRUSCA ASSOCIATES, INC.  
Address: PO Box 332, ROSEVILLE, CA 95661  
Phone: (916) 677-1470 Fax: (916) 677-1471  
Project Manager: JOE BRUSCA

Date: 7/27/2020 Page: 1 Of 2  
Project Name: PEDRICK ROAD PROPERTY  
Collector: BRUSCA Client Project #: 347-001  
Batch #: T202874 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270 SEMI VOCS	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020-10P-MS Metals - P.C.D.s	CHLORINATED PESTICIDES	CHLORINATED HYDROCARBONS	Comments/Preservative	Total # of containers
01	T1-2	7/27/20		SOIL	JAR	X			X				X	X	X	X	X		2
02	T1-5					X			X				X	X	X	X	X		2
03	T2-1					X			X				X	X	X	X	X		2
04	T2-2					X			X				X	X	X	X	X		2
05	T2-3					X			X				X	X	X	X	X		2
06	T3-1					X			X				X	X	X	X	X		2
07	T4-2					X			X				X	X	X	X	X		2
08	T1-4					X			X				X	X	X	X	X		1
09	T3-2					X			X				X	X	X	X	X		1
10	T4-1					X			X				X	X	X	X	X		2
11	T1-1					X			X				X	X	X	X	X		2
12	T1-3					X			X				X	X	X	X	X		1
13	T1-6					X			X				X	X	X	X	X		2
14	T1-7					X			X				X	X	X	X	X		1
15	T2-4					X			X				X	X	X	X	X		2

Relinquished by: (signature) <i>[Signature]</i>	Date / Time 7/27/20 15:30	Received by: (signature) <i>[Signature]</i>	Date / Time 7/27/20 15:30
Relinquished by: (signature) <i>GLS</i>	Date / Time 7-28-20 929	Received by: (signature) <i>[Signature]</i>	Date / Time 7-28-20 929
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers  
Chain of Custody seals  N/A  
Seals intact?  N/A  
Received good condition/cold  2,3,4  
Turn around time: NORMAL

Notes

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_



**Chain of Custody Record**

25712 Commercentre Drive, Lake Forest, CA 92630  
949-297-5020

Client: BRUSCA ASSOCIATES, INC.  
Address: PO Box 332, Roseville, CA 95661  
Phone: (916) 677-1470 Fax: (916) 677-1471  
Project Manager: JOE BRUSCA

Date: 7/27/2020 Page: 2 Of 2  
Project Name: PEDRICK ROAD PROPERTY  
Collector: BRUSCA Client Project #: 347-001  
Batch #: T202874 EDF #: \_\_\_\_\_

Page 99 of 104

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	Laboratory ID #	Comments/Preservative	Total # of containers
T3-3	7/27/20		SOIL	JAR									X		16		1
T4-3	7/27/20		SOIL	JAR									X		17		1
Relinquished by: (signature) <u>Joe Brusca</u>		Date / Time <u>7/27/20 15:30</u>		Received by: (signature) <u>[Signature]</u>		Date / Time <u>7/27/20 15:30</u>		Total # of containers <u>23</u>				Notes					
Relinquished by: (signature) <u>GLS</u>		Date / Time <u>7-28-20 929</u>		Received by: (signature) <u>[Signature]</u>		Date / Time <u>7-28-20 929</u>		Chain of Custody seals <u>ON/NA</u>				Seals intact? <u>ON/NA</u>					
Relinquished by: (signature) _____		Date / Time _____		Received by: (signature) _____		Date / Time _____		Received good condition/cold <u>23</u>				Turn around time: <u>NORMAL</u>					

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_

**COC 172774**



**MicroTest Laboratories, Inc. | NVLAP Code: 200999-0**  
 3110 Gold Canal Dr. Ste. A, Rancho Cordova, CA 95670  
 PH 916.567.9808 | FX 916.404.0302  
 www.microtestlabsinc.com | service@microtestlabsinc.com

**Accession Numbers:**  
**244561-66**

**CLIENT INFORMATION**

**Company** Brusca Associates, Inc.  
**Name** Joe Brusca  
**Address** 1860 Sierra Gardens Drive, #332  
 Roseville, CA 95661  
**Phone** 916-677-1470  
**Email** jbrusca@bruscaassociates.com

**SAMPLE**  
**Date** Monday, July 27, 2020  
**Time**

**JOB SITE INFORMATION**  
**Sampler** Joe Brusca  
**Project** 347-001  
**Address** Peorick Road Property

**MicroTest Laboratories**

**Analytical Data**

**POLARIZED LIGHT MICROSCOPY (PLM) EPA METHOD 600 / R-93 / 116-Carb 435 Level A (0.25%)**

Sample ID	Accession Number	Location	Description	Non Fibrous / Fibrous Materials	Asbestiform Minerals %
T1-1	244561		Brown Soil	99+% Binder <1% Other	None Detected
T1-6	244562		Brown Soil	99+% Binder <1% Other	None Detected
T2-1	244563		Brown Soil	99+% Binder <1% Other	None Detected
T2-4	244564		Brown Soil	99+% Binder <1% Other	None Detected
T3-1	244565		Brown Soil	99+% Binder <1% Other	None Detected
T4-2	244566		Gray Soil	99+% Binder <1% Other	None Detected

**REPORT**  
**Date** Monday, August 3, 2020

Samples Received: 6  
 Samples Analyzed: 6

Analyst: Nolan Starbuck

Authorized Signatory:

Kelly Favero - Lab Manager

This analytical data sheet constitutes a final report. Due to the limitation of Polarized Light Microscopy (PLM), some samples classified as containing no asbestos in materials. None Detected (ND), such as floor tiles or like materials, warrant a recommendation for further analysis by Transmission Electron Microscopy (TEM). This report is limited to items analyzed here within. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. All Samples will be held for not less than 30 days, upon which they will then be disposed of. This report shall not be reproduced in full without written authorization from MicroTest Laboratories, Inc. Soil and rock matrices are considered problematic matrices and MicroTest recommends sample homogenization prior to PLM analysis. Thermal decomposition of asbestos fibers will yield non-asbestiform mineral properties.



**MicroTest Laboratories, Inc.**  
 3110 Gold Canal Dr, Ste. A, Rancho Cordova, CA 95670  
 PH 916.567.9808 | FX 916.404.0302  
 www.microtestlabsinc.com | service@microtestlabsinc.com

\*\*\*for office use only\*\*\*

**Accession Numbers**

244561-66

**CLIENT INFORMATION**

Company BRUSCA ASSOCIATES, INC.  
 Sampler JOE BRUSCA  
 Address PO BOX 332  
ROSEVILLE, CA 95661  
 Phone (916) 677-1470  
 Email JBRUSCA@BRUSCAASSOCIATES.COM

SAMPLE  
 Date 7/27/2020  
 Time \_\_\_\_\_

**JOB SITE INFORMATION**

Site PEDRICK ROAD PROPERTY  
 Address \_\_\_\_\_  
 Name \_\_\_\_\_  
 Job # 347-001  
 PO # \_\_\_\_\_

**MicroTest Laboratories**

Chain-Of-Custody

TURN AROUND	ASBESTOS	LEAD	MICROBIOLOGICAL	FIRE RESIDUE
<input type="checkbox"/> Rush (3 Hour)	<input type="checkbox"/> PLM*	<input type="checkbox"/> Paint Chip	<input type="checkbox"/> Spore Trap	<input type="checkbox"/> Sewage Screen
<input type="checkbox"/> Same Day (6 Hour)	<input type="checkbox"/> TTFP*	<input type="checkbox"/> Wipe	<input type="checkbox"/> DP-Tape	<input type="checkbox"/> HPC*
<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 400 Pt. Ct.	<input type="checkbox"/> Air	<input type="checkbox"/> DP-Swab	<input type="checkbox"/> HPC* with ID
<input type="checkbox"/> 2-Day	<input type="checkbox"/> 1000 Pt. Ct.	<input type="checkbox"/> Soil	<input type="checkbox"/> DP-Bulk	<input type="checkbox"/> Other
<input type="checkbox"/> 3-Day	<input type="checkbox"/> PCM*	<input type="checkbox"/> TTLC*/STLC*	<input type="checkbox"/> Andersen	<input type="checkbox"/> Spore Trap
<input checked="" type="checkbox"/> 7-Day	<input checked="" type="checkbox"/> CARB 435 A or B	<input type="checkbox"/> TCLP*		<input type="checkbox"/> DP-Tape
				<input type="checkbox"/> Wipes
				<input type="checkbox"/> Semi-Quantitative
				<input type="checkbox"/> Quantitative

Sample Number	Liters Per Minute			Total Min	Total Vol	Wipe Area	Location	Description
	On	Off	Aver					
T1-1								
T1-6								
T2-1								
T2-4								
T3-1								
T4-2								

**Special Instructions:**

Relinquished by (Client) \_\_\_\_\_  
 Date/Time 7/29/20  
10:30

Relinquished by (Lab) \_\_\_\_\_  
 Date/Time \_\_\_\_\_

Total Number of Samples 6  
 COC Page # 1 of 1

Received By (Lab) \_\_\_\_\_  
 Date/Time 7.29.2020  
10:30 am

Received By (Client) \_\_\_\_\_  
 Date/Time \_\_\_\_\_

PLM\* Polarized Light Microscopy | TTFP\* Test Till First Positive | PCM\* Phase Contrast Microscopy | TEM\* Transmission Electron Microscopy | TTLC\* Total Threshold Limit Concentration | STLC\* Soluble Threshold Limit Concentration | TCLP\* Toxicity Characteristic Leaching Procedure | HPC\* Heterotrophic Plate Count



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13 August 2020

Joe Brusca  
Brusca Associates Inc.  
PO Box 332  
Roseville, CA 95661  
RE: Pedrick Road Property

Enclosed are the results of analyses for samples received by the laboratory on 07/28/20 09:29. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Jaroudi  
Project Manager



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

**Reported:**  
 08/13/20 14:36

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T1-5	T202874-02	Soil	07/27/20 00:00	07/28/20 09:29
T2-1	T202874-03	Soil	07/27/20 00:00	07/28/20 09:29
T2-3	T202874-05	Soil	07/27/20 00:00	07/28/20 09:29
T3-1	T202874-06	Soil	07/27/20 00:00	07/28/20 09:29
T4-2	T202874-07	Soil	07/27/20 00:00	07/28/20 09:29
T1-6	T202874-13	Soil	07/27/20 00:00	07/28/20 09:29
T4-3	T202874-17	Soil	07/27/20 00:00	07/28/20 09:29

SunStar Laboratories, Inc.

*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.*

Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/13/20 14:36

**DETECTIONS SUMMARY**

**Sample ID:** T1-5 **Laboratory ID:** T202874-02

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Lead	25	0.50	mg/l	STLC Waste Extraction I	
Chromium	0.78	0.50	mg/l	STLC Waste Extraction I	

**Sample ID:** T2-1 **Laboratory ID:** T202874-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Lead	42	0.50	mg/l	STLC Waste Extraction I	

**Sample ID:** T2-3 **Laboratory ID:** T202874-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Lead	34	0.50	mg/l	STLC Waste Extraction I	

**Sample ID:** T3-1 **Laboratory ID:** T202874-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Lead	41	0.50	mg/l	STLC Waste Extraction I	
Chromium	1.2	0.50	mg/l	STLC Waste Extraction I	

**Sample ID:** T4-2 **Laboratory ID:** T202874-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Lead	14	0.50	mg/l	STLC Waste Extraction I	
Chromium	0.51	0.50	mg/l	STLC Waste Extraction I	

**Sample ID:** T1-6 **Laboratory ID:** T202874-13

Analyte	Reporting		Units	Method	Notes
	Result	Limit			

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Mike Jaroudi, Project Manager



Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/13/20 14:36

**Sample ID:** T1-6

**Laboratory ID:** T202874-13

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Lead	16	0.50		mg/l	STLC Waste Extraction I	

**Sample ID:** T4-3

**Laboratory ID:** T202874-17

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Lead	37	0.50		mg/l	STLC Waste Extraction I	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/13/20 14:36
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**T1-5**  
**T202874-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**STLC Metals by 6000/7000 Series Methods**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Lead</b>	<b>25</b>	0.50	mg/l	1	0080635	08/06/20	08/10/20	STLC Waste Extraction Test	
<b>Chromium</b>	<b>0.78</b>	0.50	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	<b>Reported:</b> 08/13/20 14:36
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**T2-1**  
**T202874-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**STLC Metals by 6000/7000 Series Methods**

Lead	42	0.50	mg/l	1	0080635	08/06/20	08/10/20	STLC Waste Extraction Test	
Chromium	ND	0.50	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	<b>Reported:</b> 08/13/20 14:36
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**T2-3**  
**T202874-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**STLC Metals by 6000/7000 Series Methods**

Lead	34	0.50	mg/l	1	0080635	08/06/20	08/10/20	STLC Waste Extraction Test	
Chromium	ND	0.50	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	<b>Reported:</b> 08/13/20 14:36
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**T3-1**  
**T202874-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**STLC Metals by 6000/7000 Series Methods**

<b>Lead</b>	<b>41</b>	0.50	mg/l	1	0080635	08/06/20	08/10/20	STLC Waste Extraction Test	
<b>Chromium</b>	<b>1.2</b>	0.50	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	<b>Reported:</b> 08/13/20 14:36
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**T4-2**  
**T202874-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**STLC Metals by 6000/7000 Series Methods**

<b>Lead</b>	<b>14</b>	0.50	mg/l	1	0080635	08/06/20	08/10/20	STLC Waste Extraction Test	
<b>Chromium</b>	<b>0.51</b>	0.50	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	<b>Reported:</b> 08/13/20 14:36
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**T1-6**  
**T202874-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**STLC Metals by 6000/7000 Series Methods**

Lead	16	0.50	mg/l	1	0080635	08/06/20	08/10/20	STLC Waste Extraction Test	
Chromium	ND	0.50	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	<b>Reported:</b> 08/13/20 14:36
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**T4-3**  
**T202874-17 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**STLC Metals by 6000/7000 Series Methods**

Lead	37	0.50	mg/l	1	0080635	08/06/20	08/10/20	STLC Waste Extraction Test	
Chromium	ND	0.50	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/13/20 14:36
---	--	-----------------------------

**STLC Metals by 6000/7000 Series Methods - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0080635 - STLC Metals**

**Blank (0080635-BLK1)** Prepared: 08/06/20 Analyzed: 08/10/20

Lead	ND	0.50	mg/l							
Chromium	ND	0.50	"							

**LCS (0080635-BS1)** Prepared: 08/06/20 Analyzed: 08/10/20

Lead	9.11	0.50	mg/l	10.0		91.1	75-125			
Chromium	9.42	0.50	"	10.0		94.2	75-125			

**Matrix Spike (0080635-MS1)** Source: T202853-01 Prepared: 08/06/20 Analyzed: 08/10/20

Lead	16.6	0.50	mg/l	10.0	8.09	85.4	75-125			
Chromium	9.14	0.50	"	10.0	0.130	90.1	75-125			

**Matrix Spike Dup (0080635-MSD1)** Source: T202853-01 Prepared: 08/06/20 Analyzed: 08/10/20

Lead	16.4	0.50	mg/l	10.0	8.09	83.0	75-125	1.41	30	
Chromium	9.10	0.50	"	10.0	0.130	89.7	75-125	0.428	30	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/13/20 14:36

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

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SunStar Laboratories, Inc.

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---

Mike Jaroudi, Project Manager

**Chain of Custody Record**

Client: BRUSCA ASSOCIATES, INC.  
 Address: PO Box 332, ROSEVILLE, CA 95661  
 Phone: (916) 677-1470 Fax: (916) 677-1471  
 Project Manager: JOE BRUSCA

Date: 7/27/2020 Page: 1 Of 2  
 Project Name: PEDRICK ROAD PROPERTY  
 Collector: BRUSCA Client Project #: 347-001  
 Batch #: T202874 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270 SEMI VOCS	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020-10P-MS Metals - P.C.D.s	CHLORINATED PESTICIDES	CHLORINATED HYDROCARBONS	Comments/Preservative	Total # of containers
01	T1-2	7/27/20		SOIL	JAR	X			X				X	X	X	X	X		2
02	T1-5					X			X				X	X	X	X	X		2
03	T2-1					X			X				X	X	X	X	X		2
04	T2-2					X			X				X	X	X	X	X		2
05	T2-3					X			X				X	X	X	X	X		2
06	T3-1					X			X				X	X	X	X	X		2
07	T4-2					X			X				X	X	X	X	X		2
08	T1-4					X			X				X	X	X	X	X		1
09	T3-2					X			X				X	X	X	X	X		1
10	T4-1					X			X				X	X	X	X	X		2
11	T1-1					X			X				X	X	X	X	X		2
12	T1-3					X			X				X	X	X	X	X		1
13	T1-6					X			X				X	X	X	X	X		2
14	T1-7					X			X				X	X	X	X	X		1
15	T2-4					X			X				X	X	X	X	X		2

Relinquished by: (signature) <i>[Signature]</i>	Date / Time 7/27/20 15:30	Received by: (signature) <i>[Signature]</i>	Date / Time 7/27/20 15:30	Total # of containers	Notes
Relinquished by: (signature) <i>GLS</i>	Date / Time 7-28-20 929	Received by: (signature) <i>[Signature]</i>	Date / Time 7-28-20 929	Chain of Custody seals <input checked="" type="checkbox"/> N/A	
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Seals intact? <input checked="" type="checkbox"/> N/A	
				Received good condition/cold	234
				Turn around time: <u>NORMAL</u>	

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_

COC 192840



# Chain of Custody Record

25712 Commercentre Drive, Lake Forest, CA 92630  
949-297-5020

Client: BRUSCA ASSOCIATES, INC.  
Address: PO Box 332, ROSEVILLE, CA 95661  
Phone: (916) 677-1470 Fax: (916) 677-1471  
Project Manager: JOE BRUSCA

Date: 7/27/2020 Page: 2 Of 2  
Project Name: PEDRICK ROAD PROPERTY  
Collector: BRUSCA Client Project #: 347-001  
Batch #: T202874 EDF #:

Page 15 of 24

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	Laboratory ID #	Comments/Preservative	Total # of containers
T3-3	7/27/20		SOIL	JAR									X		16		
T4-3	7/27/20		SOIL	JAR									X		17		
Relinquished by: (signature) <u>[Signature]</u>		Date / Time <u>7/27/20 15:30</u>		Received by: (signature) <u>[Signature]</u>		Date / Time <u>7/27/20 15:30</u>		Total # of containers		Chain of Custody seals <u>ON/NA</u>		Seals intact? <u>ON/NA</u>		Received good condition/cold <u>23'4</u>		Notes	
Relinquished by: (signature) <u>GLS</u>		Date / Time <u>7-28-20 929</u>		Received by: (signature) <u>[Signature]</u>		Date / Time <u>7-28-20 929</u>		Turn around time: <u>NORMAL</u>									
Relinquished by: (signature)		Date / Time		Received by: (signature)		Date / Time											

Sample disposal Instructions: Disposal @ \$2.00 each      Return to client      Pickup     

COC 172774



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
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24 August 2020

Joe Brusca  
Brusca Associates Inc.  
PO Box 332  
Roseville, CA 95661  
RE: Pedrick Road Property

Enclosed are the results of analyses for samples received by the laboratory on 07/28/20 09:29. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Jaroudi  
Project Manager



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/24/20 13:43

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
T1-5	T202874-02	Soil	07/27/20 00:00	07/28/20 09:29
T2-1	T202874-03	Soil	07/27/20 00:00	07/28/20 09:29
T3-1	T202874-06	Soil	07/27/20 00:00	07/28/20 09:29
T4-2	T202874-07	Soil	07/27/20 00:00	07/28/20 09:29

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



25712 Commercentre Drive  
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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/24/20 13:43
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**DETECTIONS SUMMARY**

<b>Sample ID:</b> T1-5	<b>Laboratory ID:</b> T202874-02				
<b>Analyte</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Lead	0.24	0.10	mg/l	EPA 1311	

<b>Sample ID:</b> T2-1	<b>Laboratory ID:</b> T202874-03	
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No Results Detected

<b>Sample ID:</b> T3-1	<b>Laboratory ID:</b> T202874-06				
<b>Analyte</b>	<b>Result</b>	<b>Reporting Limit</b>	<b>Units</b>	<b>Method</b>	<b>Notes</b>
Lead	0.14	0.10	mg/l	EPA 1311	

<b>Sample ID:</b> T4-2	<b>Laboratory ID:</b> T202874-07	
------------------------	----------------------------------	--

No Results Detected

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/24/20 13:43
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**T1-5**  
**T202874-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TCLP Metals by 6000/7000 Series Methods**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Lead	0.24	0.10	mg/l	1	0081823	08/18/20	08/21/20	EPA 1311	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	<b>Reported:</b> 08/24/20 13:43
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**T2-1**  
**T202874-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TCLP Metals by 6000/7000 Series Methods**

Lead	ND	0.10	mg/l	1	0081823	08/18/20	08/21/20	EPA 1311	
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SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	<b>Reported:</b> 08/24/20 13:43
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**T3-1**  
**T202874-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TCLP Metals by 6000/7000 Series Methods**

<b>Lead</b>	<b>0.14</b>	0.10	mg/l	1	0081823	08/18/20	08/21/20	EPA 1311	
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SunStar Laboratories, Inc.

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	<b>Reported:</b> 08/24/20 13:43
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**T4-2**  
**T202874-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**TCLP Metals by 6000/7000 Series Methods**

Lead	ND	0.10	mg/l	1	0081823	08/18/20	08/21/20	EPA 1311	
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SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/24/20 13:43
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**TCLP Metals by 6000/7000 Series Methods - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081823 - TCLP Metals**

<b>Blank (0081823-BLK1)</b>				Prepared: 08/18/20 Analyzed: 08/21/20						
Lead	ND	0.10	mg/l							
<b>LCS (0081823-BS1)</b>				Prepared: 08/18/20 Analyzed: 08/21/20						
Lead	0.492	0.10	mg/l	0.500		98.5	75-125			
<b>Matrix Spike (0081823-MS1)</b>				Source: T202874-02 Prepared: 08/18/20 Analyzed: 08/21/20						
Lead	0.693	0.10	mg/l	0.500	0.240	90.7	75-125			
<b>Matrix Spike Dup (0081823-MSD1)</b>				Source: T202874-02 Prepared: 08/18/20 Analyzed: 08/21/20						
Lead	0.716	0.10	mg/l	0.500	0.240	95.2	75-125	3.22	30	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/24/20 13:43

### Notes and Definitions

- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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SunStar Laboratories, Inc.

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---

Mike Jaroudi, Project Manager

**Chain of Custody Record**

Client: BRUSCA ASSOCIATES, INC.  
 Address: PO Box 332, ROSEVILLE, CA 95661  
 Phone: (916) 677-1470 Fax: (916) 677-1471  
 Project Manager: JOE BRUSCA

Date: 7/27/2020 Page: 1 Of 2  
 Project Name: PEDRICK ROAD PROPERTY  
 Collector: BRUSCA Client Project #: 347-001  
 Batch #: T202874 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270 SEMI VOCS	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020-10P-MS Metals - P.C.D.s	CHLORINATED PESTICIDES	CHLORINATED HYDROCARBONS	Comments/Preservative	Total # of containers
01	T1-2	7/27/20		SOIL	JAR	X			X				X	X	X	X	X		2
02	T1-5					X			X				X	X	X	X	X		2
03	T2-1					X			X				X	X	X	X	X		2
04	T2-2					X			X				X	X	X	X	X		2
05	T2-3					X			X				X	X	X	X	X		2
06	T3-1					X			X				X	X	X	X	X		2
07	T4-2					X			X				X	X	X	X	X		2
08	T1-4					X			X				X	X	X	X	X		1
09	T3-2					X			X				X	X	X	X	X		1
10	T4-1					X			X				X	X	X	X	X		2
11	T1-1					X			X				X	X	X	X	X		2
12	T1-3					X			X				X	X	X	X	X		1
13	T1-6					X			X				X	X	X	X	X		2
14	T1-7					X			X				X	X	X	X	X		1
15	T2-4					X			X				X	X	X	X	X		2

Relinquished by: (signature) <i>[Signature]</i>	Date / Time 7/27/20 15:30	Received by: (signature) <i>[Signature]</i>	Date / Time 7/27/20 15:30	Total # of containers 23	Notes
Relinquished by: (signature) GLS	Date / Time 7-28-20 929	Received by: (signature) <i>[Signature]</i>	Date / Time 7-28-20 929	Chain of Custody seals <input checked="" type="checkbox"/> N/A	
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Seals intact? <input checked="" type="checkbox"/> N/A	
				Received good condition/cold	23
				Turn around time: <u>NORMAL</u>	

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_

COC 192840



# SunStar Laboratories

## Chain of Custody Record

25712 Commercentre Drive, Lake Forest, CA 92630  
949-297-5020

Client: BRUSCA ASSOCIATES, INC.  
Address: PO Box 332, ROSEVILLE, CA 95661  
Phone: (916) 677-1470 Fax: (916) 677-1471  
Project Manager: JOE BRUSCA

Date: 7/27/2020 Page: 2 Of 2  
Project Name: PEDRICK ROAD PROPERTY  
Collector: BRUSCA Client Project #: 347-001  
Batch #: T202874 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	Laboratory ID #	Comments/Preservative	Total # of containers						
T3-3	7/27/20		SOIL	JAR									X		16								
T4-3	7/27/20		SOIL	JAR									X		17								
Relinquished by: (signature) <u>[Signature]</u>			Date / Time <u>7/27/20 15:30</u>		Received by: (signature) <u>[Signature]</u>			Date / Time <u>7/27/20 15:30</u>		Total # of containers		Notes											
Relinquished by: (signature) <u>GLS</u>			Date / Time <u>7-28-20 929</u>		Received by: (signature) <u>[Signature]</u>			Date / Time <u>7-28-20 929</u>		Chain of Custody seals <u>ON/NA</u>													
Relinquished by: (signature)			Date / Time		Received by: (signature)			Date / Time		Seals intact? <u>ON/NA</u>													
										Received good condition/cold		234											
Turn around time: <u>NORMAL</u>																							

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_

COC 172774



25712 Commercentre Drive  
Lake Forest, California 92630  
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949.297.5027 Fax

19 August 2020

Joe Brusca  
Brusca Associates Inc.  
PO Box 332  
Roseville, CA 95661  
RE: Pedrick Road Property

Enclosed are the results of analyses for samples received by the laboratory on 08/12/20 09:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Jaroudi  
Project Manager





25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

**Reported:**  
 08/19/20 16:46

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1-W	T203019-01	Water	08/11/20 00:00	08/12/20 09:30
B2-W	T203019-02	Water	08/11/20 00:00	08/12/20 09:30
B3-W	T203019-03	Water	08/11/20 00:00	08/12/20 09:30
B4-W	T203019-04	Water	08/11/20 00:00	08/12/20 09:30
B5-W	T203019-05	Water	08/11/20 00:00	08/12/20 09:30
B6-W	T203019-06	Water	08/11/20 00:00	08/12/20 09:30
B7-W	T203019-07	Water	08/11/20 00:00	08/12/20 09:30

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

### DETECTIONS SUMMARY

**Sample ID:** B1-W

**Laboratory ID:** T203019-01

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	79	50	ug/l	EPA 6010b	AO-1
Molybdenum	68	50	ug/l	EPA 6010b	AO-1
pH	7.6	0.10	pH Units	SM4500	O-04
Total Dissolved Solids	100	10	mg/l	TDS by SM2540C	
Nitrate as NO3	17.7	0.500	mg/l	EPA 300.0	
Nitrate as N	4.01	0.200	mg/l	EPA 300.0	

**Sample ID:** B2-W

**Laboratory ID:** T203019-02

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	110	50	ug/l	EPA 6010b	AO-1
Total Dissolved Solids	270	10	mg/l	TDS by SM2540C	
pH	7.4	0.10	pH Units	SM4500	O-04
Nitrate as NO3	40.6	0.500	mg/l	EPA 300.0	
Nitrate as N	9.18	0.200	mg/l	EPA 300.0	

**Sample ID:** B3-W

**Laboratory ID:** T203019-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	88	50	ug/l	EPA 6010b	AO-1
pH	7.5	0.10	pH Units	SM4500	O-04
Total Dissolved Solids	320	10	mg/l	TDS by SM2540C	
Nitrate as NO3	31.8	0.500	mg/l	EPA 300.0	
Nitrate as N	7.19	0.200	mg/l	EPA 300.0	

**Sample ID:** B4-W

**Laboratory ID:** T203019-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	57	50	ug/l	EPA 6010b	AO-1
pH	7.5	0.10	pH Units	SM4500	O-04

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

**Sample ID:** B4-W

**Laboratory ID:** T203019-04

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Total Dissolved Solids	250	10		mg/l	TDS by SM2540C	
Nitrate as NO3	5.62	0.500		mg/l	EPA 300.0	
Nitrate as N	1.27	0.200		mg/l	EPA 300.0	

**Sample ID:** B5-W

**Laboratory ID:** T203019-05

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
pH	7.7	0.10		pH Units	SM4500	O-04
Total Dissolved Solids	260	10		mg/l	TDS by SM2540C	
Nitrate as NO3	1.61	0.500		mg/l	EPA 300.0	
Nitrate as N	0.360	0.200		mg/l	EPA 300.0	

**Sample ID:** B6-W

**Laboratory ID:** T203019-06

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	58	50		ug/l	EPA 6010b	AO-1
Total Dissolved Solids	270	10		mg/l	TDS by SM2540C	
pH	7.5	0.10		pH Units	SM4500	O-04
Nitrate as NO3	5.21	0.500		mg/l	EPA 300.0	
Nitrate as N	1.18	0.200		mg/l	EPA 300.0	

**Sample ID:** B7-W

**Laboratory ID:** T203019-07

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Barium	110	50		ug/l	EPA 6010b	AO-1
Molybdenum	79	50		ug/l	EPA 6010b	AO-1
Benzene	0.52	0.50		ug/l	EPA 8260B	
Toluene	0.53	0.50		ug/l	EPA 8260B	
Diethyl phthalate	23	10		ug/l	EPA 8270C	
pH	7.4	0.10		pH Units	SM4500	O-04
Total Dissolved Solids	460	10		mg/l	TDS by SM2540C	
Nitrate as NO3	38.2	0.500		mg/l	EPA 300.0	
Nitrate as N	8.63	0.200		mg/l	EPA 300.0	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager



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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

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SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

**B1-W  
T203019-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	0.50	mg/l	1	0081140	08/11/20	08/13/20	EPA 8015B	
C13-C28 (DRO)	ND	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		102 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	50	ug/l	1	0081327	08/13/20	08/17/20	EPA 6010b	AO-1
Silver	ND	50	"	"	"	"	"	"	AO-1
Arsenic	ND	50	"	"	"	"	"	"	AO-1
<b>Barium</b>	<b>79</b>	50	"	"	"	"	"	"	AO-1
Beryllium	ND	50	"	"	"	"	"	"	AO-1
Cadmium	ND	50	"	"	"	"	"	"	AO-1
Chromium	ND	50	"	"	"	"	"	"	AO-1
Cobalt	ND	50	"	"	"	"	"	"	AO-1
Copper	ND	50	"	"	"	"	"	"	AO-1
Lead	ND	50	"	"	"	"	"	"	AO-1
<b>Molybdenum</b>	<b>68</b>	50	"	"	"	"	"	"	AO-1
Nickel	ND	50	"	"	"	"	"	"	AO-1
Selenium	ND	50	"	"	"	"	"	"	AO-1
Thallium	ND	50	"	"	"	"	"	"	AO-1
Vanadium	ND	50	"	"	"	"	"	"	AO-1
Zinc	ND	50	"	"	"	"	"	"	AO-1

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.50	ug/l	1	0081328	08/13/20	08/19/20	EPA 7470A Water	
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SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B1-W**  
**T203019-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	1.00	ug/l	1	0081243	08/12/20	08/13/20	EPA 8081A	
gamma-BHC (Lindane)	ND	1.00	"	"	"	"	"	"	
beta-BHC	ND	1.00	"	"	"	"	"	"	
delta-BHC	ND	1.00	"	"	"	"	"	"	
Heptachlor	ND	1.00	"	"	"	"	"	"	
Aldrin	ND	1.00	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.00	"	"	"	"	"	"	
gamma-Chlordane	ND	1.00	"	"	"	"	"	"	
alpha-Chlordane	ND	1.00	"	"	"	"	"	"	
Endosulfan I	ND	1.00	"	"	"	"	"	"	
4,4'-DDE	ND	1.00	"	"	"	"	"	"	
Dieldrin	ND	1.00	"	"	"	"	"	"	
Endrin	ND	1.00	"	"	"	"	"	"	
4,4'-DDD	ND	1.00	"	"	"	"	"	"	
Endosulfan II	ND	1.00	"	"	"	"	"	"	
4,4'-DDT	ND	1.00	"	"	"	"	"	"	
Endrin aldehyde	ND	1.00	"	"	"	"	"	"	
Endosulfan sulfate	ND	1.00	"	"	"	"	"	"	
Methoxychlor	ND	1.00	"	"	"	"	"	"	
Endrin ketone	ND	1.00	"	"	"	"	"	"	
Toxaphene	ND	20.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		101 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		114 %	35-140		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	2.00	ug/l	1	0081253	08/12/20	08/15/20	EPA 8082	
PCB-1221	ND	2.00	"	"	"	"	"	"	
PCB-1232	ND	2.00	"	"	"	"	"	"	
PCB-1242	ND	2.00	"	"	"	"	"	"	
PCB-1248	ND	2.00	"	"	"	"	"	"	
PCB-1254	ND	2.00	"	"	"	"	"	"	
PCB-1260	ND	2.00	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B1-W**  
**T203019-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

Surrogate: Tetrachloro-meta-xylene	81.5 %	35-140	0081253	08/12/20	08/15/20	EPA 8082
Surrogate: Decachlorobiphenyl	89.1 %	35-140	"	"	"	"

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	0.20	ug/l	1	0081255	08/12/20	08/14/20	8151
2,4,5-TP (Silvex)	ND	0.20	"	"	"	"	"	"
2,4-D	ND	0.50	"	"	"	"	"	"
2,4-DB	ND	0.50	"	"	"	"	"	"
3,5-Dichlorobenzoic acid	ND	0.20	"	"	"	"	"	"
4-Nitrophenol	ND	0.50	"	"	"	"	"	"
Acifluorfen	ND	0.20	"	"	"	"	"	"
Bentazon	ND	1.00	"	"	"	"	"	"
Chloramben	ND	0.50	"	"	"	"	"	"
Dalapon	ND	1.00	"	"	"	"	"	"
DCPA diacid	ND	0.20	"	"	"	"	"	"
Dicamba	ND	0.20	"	"	"	"	"	"
Dichloroprop	ND	0.50	"	"	"	"	"	"
Dinoseb	ND	0.50	"	"	"	"	"	"
Pentachlorophenol	ND	0.20	"	"	"	"	"	"
Picloram	ND	1.00	"	"	"	"	"	"
Surrogate: 2,4-DCAA	49.8 %	35-150	"	"	"	"	"	"

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B
Bromochloromethane	ND	1.0	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/19/20 16:46

**B1-W**  
**T203019-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Chloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager





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Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:46

**B1-W**  
**T203019-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.4 %		76.7-116	"	"	"	"	
Surrogate: Dibromofluoromethane		85.7 %		49.2-135	"	"	"	"	
Surrogate: Toluene-d8		97.3 %		84.7-108	"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
Phenol	ND	10	"	"	"	"	"	"	
Aniline	ND	10	"	"	"	"	"	"	
2-Chlorophenol	ND	10	"	"	"	"	"	"	
Acenaphthylene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	20	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/19/20 16:46

**B1-W**  
**T203019-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

1-Methylnaphthalene	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
4-Chloro-3-methylphenol	ND	10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10	"	"	"	"	"	"	
Acenaphthene	ND	10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	20	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	50	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	20	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10	"	"	"	"	"	"	
4-Chloroaniline	ND	20	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	20	"	"	"	"	"	"	
Chrysene	ND	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10	"	"	"	"	"	"	
Dibenzofuran	ND	20	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	10	"	"	"	"	"	"	
Diethyl phthalate	ND	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
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Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

**B1-W  
T203019-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	5.0	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	20	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	20	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	20	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	10	"	"	"	"	"	"	
2-Methylphenol	ND	10	"	"	"	"	"	"	
4-Methylphenol	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	20	"	"	"	"	"	"	
Nitrobenzene	ND	20	"	"	"	"	"	"	
2-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	25	"	"	"	"	"	"	
Phenanthrene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	20	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
1,4-Dinitrobenzene	ND	10	"	"	"	"	"	"	
Pyridine	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		51.5 %		15-121	"	"	"	"	
Surrogate: Phenol-d6		42.9 %		24-113	"	"	"	"	
Surrogate: Nitrobenzene-d5		66.3 %		14.7-110	"	"	"	"	

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B1-W**  
**T203019-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	72.1 %	33.3-110			0081244	08/12/20	08/15/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	74.3 %	12.9-110			"	"	"	"	
Surrogate: Terphenyl-d14	63.7 %	15.8-136			"	"	"	"	

**Conventional Chemistry Parameters by APHA/EPA/ASTM Methods**

<b>pH</b>	<b>7.6</b>	0.10	pH Units	1	0081238	08/12/20	08/12/20	SM4500	O-04
<b>Total Dissolved Solids</b>	<b>100</b>	10	mg/l	"	0081246	08/12/20	08/13/20	TDS by SM2540C	

**Anions by EPA Method 300.0**

<b>Nitrate as NO3</b>	<b>17.7</b>	0.500	mg/l	1	0081248	08/12/20	08/12/20	EPA 300.0	
<b>Nitrate as N</b>	<b>4.01</b>	0.200	"	"	"	"	"	"	

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

**B2-W  
T203019-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	0.50	mg/l	1	0081140	08/11/20	08/13/20	EPA 8015B	
C13-C28 (DRO)	ND	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		104 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	50	ug/l	1	0081327	08/13/20	08/17/20	EPA 6010b	AO-1
Silver	ND	50	"	"	"	"	"	"	AO-1
Arsenic	ND	50	"	"	"	"	"	"	AO-1
<b>Barium</b>	<b>110</b>	50	"	"	"	"	"	"	AO-1
Beryllium	ND	50	"	"	"	"	08/17/20	"	AO-1
Cadmium	ND	50	"	"	"	"	08/17/20	"	AO-1
Chromium	ND	50	"	"	"	"	"	"	AO-1
Cobalt	ND	50	"	"	"	"	"	"	AO-1
Copper	ND	50	"	"	"	"	"	"	AO-1
Lead	ND	50	"	"	"	"	"	"	AO-1
Molybdenum	ND	50	"	"	"	"	"	"	AO-1
Nickel	ND	50	"	"	"	"	"	"	AO-1
Selenium	ND	50	"	"	"	"	"	"	AO-1
Thallium	ND	50	"	"	"	"	"	"	AO-1
Vanadium	ND	50	"	"	"	"	"	"	AO-1
Zinc	ND	50	"	"	"	"	"	"	AO-1

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.50	ug/l	1	0081328	08/13/20	08/19/20	EPA 7470A Water	
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 08/19/20 16:46

**B2-W**  
**T203019-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	1.00	ug/l	1	0081243	08/12/20	08/13/20	EPA 8081A	
gamma-BHC (Lindane)	ND	1.00	"	"	"	"	"	"	
beta-BHC	ND	1.00	"	"	"	"	"	"	
delta-BHC	ND	1.00	"	"	"	"	"	"	
Heptachlor	ND	1.00	"	"	"	"	"	"	
Aldrin	ND	1.00	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.00	"	"	"	"	"	"	
gamma-Chlordane	ND	1.00	"	"	"	"	"	"	
alpha-Chlordane	ND	1.00	"	"	"	"	"	"	
Endosulfan I	ND	1.00	"	"	"	"	"	"	
4,4'-DDE	ND	1.00	"	"	"	"	"	"	
Dieldrin	ND	1.00	"	"	"	"	"	"	
Endrin	ND	1.00	"	"	"	"	"	"	
4,4'-DDD	ND	1.00	"	"	"	"	"	"	
Endosulfan II	ND	1.00	"	"	"	"	"	"	
4,4'-DDT	ND	1.00	"	"	"	"	"	"	
Endrin aldehyde	ND	1.00	"	"	"	"	"	"	
Endosulfan sulfate	ND	1.00	"	"	"	"	"	"	
Methoxychlor	ND	1.00	"	"	"	"	"	"	
Endrin ketone	ND	1.00	"	"	"	"	"	"	
Toxaphene	ND	20.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		87.6 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		95.8 %		35-140	"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	2.00	ug/l	1	0081253	08/12/20	08/15/20	EPA 8082	
PCB-1221	ND	2.00	"	"	"	"	"	"	
PCB-1232	ND	2.00	"	"	"	"	"	"	
PCB-1242	ND	2.00	"	"	"	"	"	"	
PCB-1248	ND	2.00	"	"	"	"	"	"	
PCB-1254	ND	2.00	"	"	"	"	"	"	
PCB-1260	ND	2.00	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B2-W**  
**T203019-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

Surrogate: Tetrachloro-meta-xylene	77.3 %	35-140	0081253	08/12/20	08/15/20	EPA 8082
Surrogate: Decachlorobiphenyl	86.8 %	35-140	"	"	"	"

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	0.20	ug/l	1	0081255	08/12/20	08/14/20	8151
2,4,5-TP (Silvex)	ND	0.20	"	"	"	"	"	"
2,4-D	ND	0.50	"	"	"	"	"	"
2,4-DB	ND	0.50	"	"	"	"	"	"
3,5-Dichlorobenzoic acid	ND	0.20	"	"	"	"	"	"
4-Nitrophenol	ND	0.50	"	"	"	"	"	"
Acifluorfen	ND	0.20	"	"	"	"	"	"
Bentazon	ND	1.00	"	"	"	"	"	"
Chloramben	ND	0.50	"	"	"	"	"	"
Dalapon	ND	1.00	"	"	"	"	"	"
DCPA diacid	ND	0.20	"	"	"	"	"	"
Dicamba	ND	0.20	"	"	"	"	"	"
Dichloroprop	ND	0.50	"	"	"	"	"	"
Dinoseb	ND	0.50	"	"	"	"	"	"
Pentachlorophenol	ND	0.20	"	"	"	"	"	"
Picloram	ND	1.00	"	"	"	"	"	"
Surrogate: 2,4-DCAA	42.6 %	35-150	"	"	"	"	"	"

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B
Bromochloromethane	ND	1.0	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"

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**B2-W**  
**T203019-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B2-W**  
**T203019-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	76.7-116		"	"	"	"	
Surrogate: Dibromofluoromethane		84.9 %	49.2-135		"	"	"	"	
Surrogate: Toluene-d8		97.9 %	84.7-108		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
Phenol	ND	10	"	"	"	"	"	"	
Aniline	ND	10	"	"	"	"	"	"	
2-Chlorophenol	ND	10	"	"	"	"	"	"	
Acenaphthylene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	20	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/19/20 16:46

**B2-W**  
**T203019-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

1-Methylnaphthalene	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
4-Chloro-3-methylphenol	ND	10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10	"	"	"	"	"	"	
Acenaphthene	ND	10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	20	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	50	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	20	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10	"	"	"	"	"	"	
4-Chloroaniline	ND	20	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	20	"	"	"	"	"	"	
Chrysene	ND	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10	"	"	"	"	"	"	
Dibenzofuran	ND	20	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	10	"	"	"	"	"	"	
Diethyl phthalate	ND	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B2-W**  
**T203019-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	5.0	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	20	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	20	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	20	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	10	"	"	"	"	"	"	
2-Methylphenol	ND	10	"	"	"	"	"	"	
4-Methylphenol	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	20	"	"	"	"	"	"	
Nitrobenzene	ND	20	"	"	"	"	"	"	
2-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	25	"	"	"	"	"	"	
Phenanthrene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	20	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
1,4-Dinitrobenzene	ND	10	"	"	"	"	"	"	
Pyridine	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		57.7 %	15-121		"	"	"	"	
Surrogate: Phenol-d6		45.2 %	24-113		"	"	"	"	
Surrogate: Nitrobenzene-d5		68.4 %	14.7-110		"	"	"	"	

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**B2-W**  
**T203019-02 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	71.1 %	33.3-110	0081244	08/12/20	08/15/20	EPA 8270C
Surrogate: 2,4,6-Tribromophenol	74.1 %	12.9-110	"	"	"	"
Surrogate: Terphenyl-d14	81.2 %	15.8-136	"	"	"	"

**Conventional Chemistry Parameters by APHA/EPA/ASTM Methods**

pH	7.4	0.10	pH Units	1	0081238	08/12/20	08/12/20	SM4500	O-04
Total Dissolved Solids	270	10	mg/l	"	0081246	08/12/20	08/13/20	TDS by SM2540C	

**Anions by EPA Method 300.0**

Nitrate as NO3	40.6	0.500	mg/l	1	0081248	08/12/20	08/12/20	EPA 300.0
Nitrate as N	9.18	0.200	"	"	"	"	"	"

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**B3-W**  
**T203019-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	0.50	mg/l	1	0081140	08/11/20	08/13/20	EPA 8015B	
C13-C28 (DRO)	ND	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		111 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	50	ug/l	1	0081327	08/13/20	08/17/20	EPA 6010b	AO-1
Silver	ND	50	"	"	"	"	"	"	AO-1
Arsenic	ND	50	"	"	"	"	"	"	AO-1
<b>Barium</b>	<b>88</b>	50	"	"	"	"	"	"	AO-1
Beryllium	ND	50	"	"	"	"	"	"	AO-1
Cadmium	ND	50	"	"	"	"	"	"	AO-1
Chromium	ND	50	"	"	"	"	"	"	AO-1
Cobalt	ND	50	"	"	"	"	"	"	AO-1
Copper	ND	50	"	"	"	"	"	"	AO-1
Lead	ND	50	"	"	"	"	"	"	AO-1
Molybdenum	ND	50	"	"	"	"	"	"	AO-1
Nickel	ND	50	"	"	"	"	"	"	AO-1
Selenium	ND	50	"	"	"	"	"	"	AO-1
Thallium	ND	50	"	"	"	"	"	"	AO-1
Vanadium	ND	50	"	"	"	"	"	"	AO-1
Zinc	ND	50	"	"	"	"	"	"	AO-1

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.50	ug/l	1	0081328	08/13/20	08/19/20	EPA 7470A Water	
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**B3-W**  
**T203019-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	1.00	ug/l	1	0081243	08/12/20	08/13/20	EPA 8081A	
gamma-BHC (Lindane)	ND	1.00	"	"	"	"	"	"	
beta-BHC	ND	1.00	"	"	"	"	"	"	
delta-BHC	ND	1.00	"	"	"	"	"	"	
Heptachlor	ND	1.00	"	"	"	"	"	"	
Aldrin	ND	1.00	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.00	"	"	"	"	"	"	
gamma-Chlordane	ND	1.00	"	"	"	"	"	"	
alpha-Chlordane	ND	1.00	"	"	"	"	"	"	
Endosulfan I	ND	1.00	"	"	"	"	"	"	
4,4'-DDE	ND	1.00	"	"	"	"	"	"	
Dieldrin	ND	1.00	"	"	"	"	"	"	
Endrin	ND	1.00	"	"	"	"	"	"	
4,4'-DDD	ND	1.00	"	"	"	"	"	"	
Endosulfan II	ND	1.00	"	"	"	"	"	"	
4,4'-DDT	ND	1.00	"	"	"	"	"	"	
Endrin aldehyde	ND	1.00	"	"	"	"	"	"	
Endosulfan sulfate	ND	1.00	"	"	"	"	"	"	
Methoxychlor	ND	1.00	"	"	"	"	"	"	
Endrin ketone	ND	1.00	"	"	"	"	"	"	
Toxaphene	ND	20.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		93.7 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		104 %		35-140	"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	2.00	ug/l	1	0081253	08/12/20	08/15/20	EPA 8082	
PCB-1221	ND	2.00	"	"	"	"	"	"	
PCB-1232	ND	2.00	"	"	"	"	"	"	
PCB-1242	ND	2.00	"	"	"	"	"	"	
PCB-1248	ND	2.00	"	"	"	"	"	"	
PCB-1254	ND	2.00	"	"	"	"	"	"	
PCB-1260	ND	2.00	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/19/20 16:46

**B3-W**  
**T203019-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

Surrogate: Tetrachloro-meta-xylene	87.9 %	35-140			0081253	08/12/20	08/15/20	EPA 8082	
Surrogate: Decachlorobiphenyl	95.3 %	35-140			"	"	"	"	

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	0.20	ug/l	1	0081255	08/12/20	08/14/20	8151	
2,4,5-TP (Silvex)	ND	0.20	"	"	"	"	"	"	
2,4-D	ND	0.50	"	"	"	"	"	"	
2,4-DB	ND	0.50	"	"	"	"	"	"	
3,5-Dichlorobenzoic acid	ND	0.20	"	"	"	"	"	"	
4-Nitrophenol	ND	0.50	"	"	"	"	"	"	
Acifluorfen	ND	0.20	"	"	"	"	"	"	
Bentazon	ND	1.00	"	"	"	"	"	"	
Chloramben	ND	0.50	"	"	"	"	"	"	
Dalapon	ND	1.00	"	"	"	"	"	"	
DCPA diacid	ND	0.20	"	"	"	"	"	"	
Dicamba	ND	0.20	"	"	"	"	"	"	
Dichloroprop	ND	0.50	"	"	"	"	"	"	
Dinoseb	ND	0.50	"	"	"	"	"	"	
Pentachlorophenol	ND	0.20	"	"	"	"	"	"	
Picloram	ND	1.00	"	"	"	"	"	"	
Surrogate: 2,4-DCAA	41.9 %	35-150			"	"	"	"	

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	

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**B3-W**  
**T203019-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B3-W**  
**T203019-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.6 %	76.7-116		"	"	"	"	
Surrogate: Dibromofluoromethane		83.5 %	49.2-135		"	"	"	"	
Surrogate: Toluene-d8		99.0 %	84.7-108		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
Phenol	ND	10	"	"	"	"	"	"	
Aniline	ND	10	"	"	"	"	"	"	
2-Chlorophenol	ND	10	"	"	"	"	"	"	
Acenaphthylene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	20	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/19/20 16:46

**B3-W**

**T203019-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
1-Methylnaphthalene	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C
4-Chloro-3-methylphenol	ND	10	"	"	"	"	"	"
Benzo (a) anthracene	ND	10	"	"	"	"	"	"
Acenaphthene	ND	10	"	"	"	"	"	"
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"
4-Nitrophenol	ND	10	"	"	"	"	"	"
2,4-Dinitrotoluene	ND	10	"	"	"	"	"	"
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"
Pentachlorophenol	ND	10	"	"	"	"	"	"
Benzo (g,h,i) perylene	ND	20	"	"	"	"	"	"
Pyrene	ND	10	"	"	"	"	"	"
Benzo (a) pyrene	ND	10	"	"	"	"	"	"
Benzyl alcohol	ND	50	"	"	"	"	"	"
Bis(2-chloroethoxy)methane	ND	10	"	"	"	"	"	"
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"
Bis(2-chloroisopropyl)ether	ND	20	"	"	"	"	"	"
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"
Butyl benzyl phthalate	ND	10	"	"	"	"	"	"
4-Chloroaniline	ND	20	"	"	"	"	"	"
2-Chloronaphthalene	ND	10	"	"	"	"	"	"
4-Chlorophenyl phenyl ether	ND	20	"	"	"	"	"	"
Chrysene	ND	10	"	"	"	"	"	"
Dibenz (a,h) anthracene	ND	10	"	"	"	"	"	"
Dibenzofuran	ND	20	"	"	"	"	"	"
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"
2,4-Dichlorophenol	ND	10	"	"	"	"	"	"
Diethyl phthalate	ND	10	"	"	"	"	"	"
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"
Dimethyl phthalate	ND	10	"	"	"	"	"	"

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Mike Jaroudi, Project Manager



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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:46

**B3-W**  
**T203019-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	5.0	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	20	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	20	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	20	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	10	"	"	"	"	"	"	
2-Methylphenol	ND	10	"	"	"	"	"	"	
4-Methylphenol	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	20	"	"	"	"	"	"	
Nitrobenzene	ND	20	"	"	"	"	"	"	
2-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	25	"	"	"	"	"	"	
Phenanthrene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	20	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
1,4-Dinitrobenzene	ND	10	"	"	"	"	"	"	
Pyridine	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		56.1 %		15-121	"	"	"	"	
Surrogate: Phenol-d6		46.8 %		24-113	"	"	"	"	
Surrogate: Nitrobenzene-d5		72.1 %		14.7-110	"	"	"	"	

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**B3-W**  
**T203019-03 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	75.1 %	33.3-110			0081244	08/12/20	08/15/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	77.3 %	12.9-110			"	"	"	"	
Surrogate: Terphenyl-d14	79.9 %	15.8-136			"	"	"	"	

**Conventional Chemistry Parameters by APHA/EPA/ASTM Methods**

pH	7.5	0.10	pH Units	1	0081238	08/12/20	08/12/20	SM4500	O-04
Total Dissolved Solids	320	10	mg/l	"	0081246	08/12/20	08/13/20	TDS by SM2540C	

**Anions by EPA Method 300.0**

Nitrate as NO3	31.8	0.500	mg/l	1	0081248	08/12/20	08/12/20	EPA 300.0	
Nitrate as N	7.19	0.200	"	"	"	"	"	"	

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Brusca Associates Inc.  
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Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

**B4-W**  
**T203019-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	0.50	mg/l	1	0081140	08/11/20	08/13/20	EPA 8015B	
C13-C28 (DRO)	ND	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		106 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	50	ug/l	1	0081327	08/13/20	08/17/20	EPA 6010b	AO-1
Silver	ND	50	"	"	"	"	"	"	AO-1
Arsenic	ND	50	"	"	"	"	"	"	AO-1
<b>Barium</b>	<b>57</b>	50	"	"	"	"	"	"	AO-1
Beryllium	ND	50	"	"	"	"	"	"	AO-1
Cadmium	ND	50	"	"	"	"	"	"	AO-1
Chromium	ND	50	"	"	"	"	"	"	AO-1
Cobalt	ND	50	"	"	"	"	"	"	AO-1
Copper	ND	50	"	"	"	"	"	"	AO-1
Lead	ND	50	"	"	"	"	"	"	AO-1
Molybdenum	ND	50	"	"	"	"	"	"	AO-1
Nickel	ND	50	"	"	"	"	"	"	AO-1
Selenium	ND	50	"	"	"	"	"	"	AO-1
Thallium	ND	50	"	"	"	"	"	"	AO-1
Vanadium	ND	50	"	"	"	"	"	"	AO-1
Zinc	ND	50	"	"	"	"	"	"	AO-1

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.50	ug/l	1	0081328	08/13/20	08/19/20	EPA 7470A Water	
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**B4-W**  
**T203019-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	1.00	ug/l	1	0081243	08/12/20	08/13/20	EPA 8081A	
gamma-BHC (Lindane)	ND	1.00	"	"	"	"	"	"	
beta-BHC	ND	1.00	"	"	"	"	"	"	
delta-BHC	ND	1.00	"	"	"	"	"	"	
Heptachlor	ND	1.00	"	"	"	"	"	"	
Aldrin	ND	1.00	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.00	"	"	"	"	"	"	
gamma-Chlordane	ND	1.00	"	"	"	"	"	"	
alpha-Chlordane	ND	1.00	"	"	"	"	"	"	
Endosulfan I	ND	1.00	"	"	"	"	"	"	
4,4'-DDE	ND	1.00	"	"	"	"	"	"	
Dieldrin	ND	1.00	"	"	"	"	"	"	
Endrin	ND	1.00	"	"	"	"	"	"	
4,4'-DDD	ND	1.00	"	"	"	"	"	"	
Endosulfan II	ND	1.00	"	"	"	"	"	"	
4,4'-DDT	ND	1.00	"	"	"	"	"	"	
Endrin aldehyde	ND	1.00	"	"	"	"	"	"	
Endosulfan sulfate	ND	1.00	"	"	"	"	"	"	
Methoxychlor	ND	1.00	"	"	"	"	"	"	
Endrin ketone	ND	1.00	"	"	"	"	"	"	
Toxaphene	ND	20.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		105 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		113 %	35-140		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	2.00	ug/l	1	0081253	08/12/20	08/15/20	EPA 8082	
PCB-1221	ND	2.00	"	"	"	"	"	"	
PCB-1232	ND	2.00	"	"	"	"	"	"	
PCB-1242	ND	2.00	"	"	"	"	"	"	
PCB-1248	ND	2.00	"	"	"	"	"	"	
PCB-1254	ND	2.00	"	"	"	"	"	"	
PCB-1260	ND	2.00	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

**B4-W**  
**T203019-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

Surrogate: Tetrachloro-meta-xylene	80.2 %	35-140	0081253	08/12/20	08/15/20	EPA 8082
Surrogate: Decachlorobiphenyl	88.5 %	35-140	"	"	"	"

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	0.20	ug/l	1	0081255	08/12/20	08/14/20	8151
2,4,5-TP (Silvex)	ND	0.20	"	"	"	"	"	"
2,4-D	ND	0.50	"	"	"	"	"	"
2,4-DB	ND	0.50	"	"	"	"	"	"
3,5-Dichlorobenzoic acid	ND	0.20	"	"	"	"	"	"
4-Nitrophenol	ND	0.50	"	"	"	"	"	"
Acifluorfen	ND	0.20	"	"	"	"	"	"
Bentazon	ND	1.00	"	"	"	"	"	"
Chloramben	ND	0.50	"	"	"	"	"	"
Dalapon	ND	1.00	"	"	"	"	"	"
DCPA diacid	ND	0.20	"	"	"	"	"	"
Dicamba	ND	0.20	"	"	"	"	"	"
Dichloroprop	ND	0.50	"	"	"	"	"	"
Dinoseb	ND	0.50	"	"	"	"	"	"
Pentachlorophenol	ND	0.20	"	"	"	"	"	"
Picloram	ND	1.00	"	"	"	"	"	"
Surrogate: 2,4-DCAA	56.5 %	35-150	"	"	"	"	"	"

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B
Bromochloromethane	ND	1.0	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"

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**B4-W**  
**T203019-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B4-W**  
**T203019-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	76.7-116		"	"	"	"	
Surrogate: Dibromofluoromethane		83.2 %	49.2-135		"	"	"	"	
Surrogate: Toluene-d8		88.7 %	84.7-108		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
Phenol	ND	10	"	"	"	"	"	"	
Aniline	ND	10	"	"	"	"	"	"	
Acenaphthylene	ND	10	"	"	"	"	"	"	
2-Chlorophenol	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1-Methylnaphthalene	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/19/20 16:46

**B4-W**

**T203019-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Chloro-3-methylphenol	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
2-Methylnaphthalene	ND	20	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10	"	"	"	"	"	"	
Acenaphthene	ND	10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	20	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	50	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	20	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10	"	"	"	"	"	"	
4-Chloroaniline	ND	20	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	20	"	"	"	"	"	"	
Chrysene	ND	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10	"	"	"	"	"	"	
Dibenzofuran	ND	20	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	10	"	"	"	"	"	"	
Diethyl phthalate	ND	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B4-W**  
**T203019-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	5.0	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	20	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	20	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	20	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	10	"	"	"	"	"	"	
2-Methylphenol	ND	10	"	"	"	"	"	"	
4-Methylphenol	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	20	"	"	"	"	"	"	
Nitrobenzene	ND	20	"	"	"	"	"	"	
2-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	25	"	"	"	"	"	"	
Phenanthrene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	20	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
1,4-Dinitrobenzene	ND	10	"	"	"	"	"	"	
Pyridine	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		65.7 %		15-121	"	"	"	"	
Surrogate: Phenol-d6		46.1 %		24-113	"	"	"	"	
Surrogate: Nitrobenzene-d5		67.6 %		14.7-110	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

**B4-W**  
**T203019-04 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	66.0 %	33.3-110			0081244	08/12/20	08/15/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	73.7 %	12.9-110			"	"	"	"	
Surrogate: Terphenyl-d14	79.4 %	15.8-136			"	"	"	"	

**Conventional Chemistry Parameters by APHA/EPA/ASTM Methods**

<b>pH</b>	<b>7.5</b>	0.10	pH Units	1	0081238	08/12/20	08/12/20	SM4500	O-04
<b>Total Dissolved Solids</b>	<b>250</b>	10	mg/l	"	0081246	08/12/20	08/13/20	TDS by SM2540C	

**Anions by EPA Method 300.0**

<b>Nitrate as NO3</b>	<b>5.62</b>	0.500	mg/l	1	0081248	08/12/20	08/12/20	EPA 300.0	
<b>Nitrate as N</b>	<b>1.27</b>	0.200	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B5-W**  
**T203019-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	0.50	mg/l	1	0081140	08/11/20	08/13/20	EPA 8015B	
C13-C28 (DRO)	ND	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		94.5 %		65-135	"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	50	ug/l	1	0081327	08/13/20	08/17/20	EPA 6010b	AO-1
Silver	ND	50	"	"	"	"	"	"	AO-1
Arsenic	ND	50	"	"	"	"	"	"	AO-1
Barium	ND	50	"	"	"	"	"	"	AO-1
Beryllium	ND	50	"	"	"	"	08/17/20	"	AO-1
Cadmium	ND	50	"	"	"	"	08/17/20	"	AO-1
Chromium	ND	50	"	"	"	"	"	"	AO-1
Cobalt	ND	50	"	"	"	"	"	"	AO-1
Copper	ND	50	"	"	"	"	"	"	AO-1
Lead	ND	50	"	"	"	"	"	"	AO-1
Molybdenum	ND	50	"	"	"	"	"	"	AO-1
Nickel	ND	50	"	"	"	"	"	"	AO-1
Selenium	ND	50	"	"	"	"	"	"	AO-1
Thallium	ND	50	"	"	"	"	"	"	AO-1
Vanadium	ND	50	"	"	"	"	"	"	AO-1
Zinc	ND	50	"	"	"	"	"	"	AO-1

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.50	ug/l	1	0081328	08/13/20	08/19/20	EPA 7470A Water	
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**B5-W**  
**T203019-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	1.00	ug/l	1	0081243	08/12/20	08/13/20	EPA 8081A	
gamma-BHC (Lindane)	ND	1.00	"	"	"	"	"	"	
beta-BHC	ND	1.00	"	"	"	"	"	"	
delta-BHC	ND	1.00	"	"	"	"	"	"	
Heptachlor	ND	1.00	"	"	"	"	"	"	
Aldrin	ND	1.00	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.00	"	"	"	"	"	"	
gamma-Chlordane	ND	1.00	"	"	"	"	"	"	
alpha-Chlordane	ND	1.00	"	"	"	"	"	"	
Endosulfan I	ND	1.00	"	"	"	"	"	"	
4,4'-DDE	ND	1.00	"	"	"	"	"	"	
Dieldrin	ND	1.00	"	"	"	"	"	"	
Endrin	ND	1.00	"	"	"	"	"	"	
4,4'-DDD	ND	1.00	"	"	"	"	"	"	
Endosulfan II	ND	1.00	"	"	"	"	"	"	
4,4'-DDT	ND	1.00	"	"	"	"	"	"	
Endrin aldehyde	ND	1.00	"	"	"	"	"	"	
Endosulfan sulfate	ND	1.00	"	"	"	"	"	"	
Methoxychlor	ND	1.00	"	"	"	"	"	"	
Endrin ketone	ND	1.00	"	"	"	"	"	"	
Toxaphene	ND	20.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		107 %	35-140		"	"	"	"	
Surrogate: Decachlorobiphenyl		107 %	35-140		"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	2.00	ug/l	1	0081253	08/12/20	08/15/20	EPA 8082	
PCB-1221	ND	2.00	"	"	"	"	"	"	
PCB-1232	ND	2.00	"	"	"	"	"	"	
PCB-1242	ND	2.00	"	"	"	"	"	"	
PCB-1248	ND	2.00	"	"	"	"	"	"	
PCB-1254	ND	2.00	"	"	"	"	"	"	
PCB-1260	ND	2.00	"	"	"	"	"	"	

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**B5-W**  
**T203019-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

Surrogate: Tetrachloro-meta-xylene	81.5 %	35-140	0081253	08/12/20	08/15/20	EPA 8082
Surrogate: Decachlorobiphenyl	89.2 %	35-140	"	"	"	"

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	0.20	ug/l	1	0081255	08/12/20	08/14/20	8151
2,4,5-TP (Silvex)	ND	0.20	"	"	"	"	"	"
2,4-D	ND	0.50	"	"	"	"	"	"
2,4-DB	ND	0.50	"	"	"	"	"	"
3,5-Dichlorobenzoic acid	ND	0.20	"	"	"	"	"	"
4-Nitrophenol	ND	0.50	"	"	"	"	"	"
Acifluorfen	ND	0.20	"	"	"	"	"	"
Bentazon	ND	1.00	"	"	"	"	"	"
Chloramben	ND	0.50	"	"	"	"	"	"
Dalapon	ND	1.00	"	"	"	"	"	"
DCPA diacid	ND	0.20	"	"	"	"	"	"
Dicamba	ND	0.20	"	"	"	"	"	"
Dichloroprop	ND	0.50	"	"	"	"	"	"
Dinoseb	ND	0.50	"	"	"	"	"	"
Pentachlorophenol	ND	0.20	"	"	"	"	"	"
Picloram	ND	1.00	"	"	"	"	"	"
Surrogate: 2,4-DCAA	50.1 %	35-150	"	"	"	"	"	"

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B
Bromochloromethane	ND	1.0	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"

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**B5-W**  
**T203019-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B5-W**  
**T203019-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	76.7-116		"	"	"	"	
Surrogate: Dibromofluoromethane		82.7 %	49.2-135		"	"	"	"	
Surrogate: Toluene-d8		98.4 %	84.7-108		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
Phenol	ND	10	"	"	"	"	"	"	
Aniline	ND	10	"	"	"	"	"	"	
2-Chlorophenol	ND	10	"	"	"	"	"	"	
Acenaphthylene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1-Methylnaphthalene	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/19/20 16:46

**B5-W**  
**T203019-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4-Chloro-3-methylphenol	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
2-Methylnaphthalene	ND	20	"	"	"	"	"	"	
Acenaphthene	ND	10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	20	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	50	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	20	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10	"	"	"	"	"	"	
4-Chloroaniline	ND	20	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	20	"	"	"	"	"	"	
Chrysene	ND	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10	"	"	"	"	"	"	
Dibenzofuran	ND	20	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	10	"	"	"	"	"	"	
Diethyl phthalate	ND	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

**B5-W**  
**T203019-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	5.0	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	20	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	20	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	20	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	10	"	"	"	"	"	"	
2-Methylphenol	ND	10	"	"	"	"	"	"	
4-Methylphenol	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	20	"	"	"	"	"	"	
Nitrobenzene	ND	20	"	"	"	"	"	"	
2-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	25	"	"	"	"	"	"	
Phenanthrene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	20	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
1,4-Dinitrobenzene	ND	10	"	"	"	"	"	"	
Pyridine	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		63.3 %		15-121	"	"	"	"	
Surrogate: Phenol-d6		47.8 %		24-113	"	"	"	"	
Surrogate: Nitrobenzene-d5		66.1 %		14.7-110	"	"	"	"	

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	<b>Reported:</b> 08/19/20 16:46
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**B5-W**  
**T203019-05 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	52.6 %	33.3-110			0081244	08/12/20	08/15/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	72.4 %	12.9-110			"	"	"	"	
Surrogate: Terphenyl-d14	77.2 %	15.8-136			"	"	"	"	

**Conventional Chemistry Parameters by APHA/EPA/ASTM Methods**

<b>pH</b>	<b>7.7</b>	0.10	pH Units	1	0081238	08/12/20	08/12/20	SM4500	O-04
<b>Total Dissolved Solids</b>	<b>260</b>	10	mg/l	"	0081246	08/12/20	08/13/20	TDS by SM2540C	

**Anions by EPA Method 300.0**

<b>Nitrate as NO3</b>	<b>1.61</b>	0.500	mg/l	1	0081248	08/12/20	08/12/20	EPA 300.0	
<b>Nitrate as N</b>	<b>0.360</b>	0.200	"	"	"	"	"	"	

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**B6-W**  
**T203019-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	0.50	mg/l	1	0081140	08/11/20	08/13/20	EPA 8015B	
C13-C28 (DRO)	ND	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		104 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	50	ug/l	1	0081327	08/13/20	08/17/20	EPA 6010b	AO-1
Silver	ND	50	"	"	"	"	"	"	AO-1
Arsenic	ND	50	"	"	"	"	"	"	AO-1
<b>Barium</b>	<b>58</b>	50	"	"	"	"	"	"	AO-1
Beryllium	ND	50	"	"	"	"	08/17/20	"	AO-1
Cadmium	ND	50	"	"	"	"	08/17/20	"	AO-1
Chromium	ND	50	"	"	"	"	"	"	AO-1
Cobalt	ND	50	"	"	"	"	"	"	AO-1
Copper	ND	50	"	"	"	"	"	"	AO-1
Lead	ND	50	"	"	"	"	"	"	AO-1
Molybdenum	ND	50	"	"	"	"	"	"	AO-1
Nickel	ND	50	"	"	"	"	"	"	AO-1
Selenium	ND	50	"	"	"	"	"	"	AO-1
Thallium	ND	50	"	"	"	"	"	"	AO-1
Vanadium	ND	50	"	"	"	"	"	"	AO-1
Zinc	ND	50	"	"	"	"	"	"	AO-1

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.50	ug/l	1	0081328	08/13/20	08/19/20	EPA 7470A Water	
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**B6-W**  
**T203019-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	1.00	ug/l	1	0081243	08/12/20	08/13/20	EPA 8081A	
gamma-BHC (Lindane)	ND	1.00	"	"	"	"	"	"	
beta-BHC	ND	1.00	"	"	"	"	"	"	
delta-BHC	ND	1.00	"	"	"	"	"	"	
Heptachlor	ND	1.00	"	"	"	"	"	"	
Aldrin	ND	1.00	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.00	"	"	"	"	"	"	
gamma-Chlordane	ND	1.00	"	"	"	"	"	"	
alpha-Chlordane	ND	1.00	"	"	"	"	"	"	
Endosulfan I	ND	1.00	"	"	"	"	"	"	
4,4'-DDE	ND	1.00	"	"	"	"	"	"	
Dieldrin	ND	1.00	"	"	"	"	"	"	
Endrin	ND	1.00	"	"	"	"	"	"	
4,4'-DDD	ND	1.00	"	"	"	"	"	"	
Endosulfan II	ND	1.00	"	"	"	"	"	"	
4,4'-DDT	ND	1.00	"	"	"	"	"	"	
Endrin aldehyde	ND	1.00	"	"	"	"	"	"	
Endosulfan sulfate	ND	1.00	"	"	"	"	"	"	
Methoxychlor	ND	1.00	"	"	"	"	"	"	
Endrin ketone	ND	1.00	"	"	"	"	"	"	
Toxaphene	ND	20.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		98.9 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		106 %		35-140	"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	2.00	ug/l	1	0081253	08/12/20	08/15/20	EPA 8082	
PCB-1221	ND	2.00	"	"	"	"	"	"	
PCB-1232	ND	2.00	"	"	"	"	"	"	
PCB-1242	ND	2.00	"	"	"	"	"	"	
PCB-1248	ND	2.00	"	"	"	"	"	"	
PCB-1254	ND	2.00	"	"	"	"	"	"	
PCB-1260	ND	2.00	"	"	"	"	"	"	

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**B6-W**  
**T203019-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

Surrogate: Tetrachloro-meta-xylene	78.4 %	35-140	0081253	08/12/20	08/15/20	EPA 8082
Surrogate: Decachlorobiphenyl	90.3 %	35-140	"	"	"	"

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	0.20	ug/l	1	0081255	08/12/20	08/14/20	8151
2,4,5-TP (Silvex)	ND	0.20	"	"	"	"	"	"
2,4-D	ND	0.50	"	"	"	"	"	"
2,4-DB	ND	0.50	"	"	"	"	"	"
3,5-Dichlorobenzoic acid	ND	0.20	"	"	"	"	"	"
4-Nitrophenol	ND	0.50	"	"	"	"	"	"
Acifluorfen	ND	0.20	"	"	"	"	"	"
Bentazon	ND	1.00	"	"	"	"	"	"
Chloramben	ND	0.50	"	"	"	"	"	"
Dalapon	ND	1.00	"	"	"	"	"	"
DCPA diacid	ND	0.20	"	"	"	"	"	"
Dicamba	ND	0.20	"	"	"	"	"	"
Dichloroprop	ND	0.50	"	"	"	"	"	"
Dinoseb	ND	0.50	"	"	"	"	"	"
Pentachlorophenol	ND	0.20	"	"	"	"	"	"
Picloram	ND	1.00	"	"	"	"	"	"
Surrogate: 2,4-DCAA	43.8 %	35-150	"	"	"	"	"	"

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B
Bromochloromethane	ND	1.0	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"

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**B6-W**  
**T203019-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager





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Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:46

**B6-W**  
**T203019-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.6 %		76.7-116	"	"	"	"	
Surrogate: Dibromofluoromethane		85.5 %		49.2-135	"	"	"	"	
Surrogate: Toluene-d8		98.0 %		84.7-108	"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
Phenol	ND	10	"	"	"	"	"	"	
Aniline	ND	10	"	"	"	"	"	"	
2-Chlorophenol	ND	10	"	"	"	"	"	"	
Acenaphthylene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
2-Methylnaphthalene	ND	20	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/19/20 16:46

**B6-W**  
**T203019-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

1-Methylnaphthalene	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
4-Chloro-3-methylphenol	ND	10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10	"	"	"	"	"	"	
Acenaphthene	ND	10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	20	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	50	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	20	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10	"	"	"	"	"	"	
4-Chloroaniline	ND	20	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	20	"	"	"	"	"	"	
Chrysene	ND	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10	"	"	"	"	"	"	
Dibenzofuran	ND	20	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	10	"	"	"	"	"	"	
Diethyl phthalate	ND	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/19/20 16:46

**B6-W**  
**T203019-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	5.0	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	20	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	20	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	20	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	10	"	"	"	"	"	"	
2-Methylphenol	ND	10	"	"	"	"	"	"	
4-Methylphenol	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	20	"	"	"	"	"	"	
Nitrobenzene	ND	20	"	"	"	"	"	"	
2-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	25	"	"	"	"	"	"	
Phenanthrene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	20	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
1,4-Dinitrobenzene	ND	10	"	"	"	"	"	"	
Pyridine	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		55.0 %		15-121	"	"	"	"	
Surrogate: Phenol-d6		42.5 %		24-113	"	"	"	"	
Surrogate: Nitrobenzene-d5		91.1 %		14.7-110	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B6-W**  
**T203019-06 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	77.9 %	33.3-110			0081244	08/12/20	08/15/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	77.1 %	12.9-110			"	"	"	"	
Surrogate: Terphenyl-d14	70.8 %	15.8-136			"	"	"	"	

**Conventional Chemistry Parameters by APHA/EPA/ASTM Methods**

pH	7.5	0.10	pH Units	1	0081238	08/12/20	08/12/20	SM4500	O-04
Total Dissolved Solids	270	10	mg/l	"	0081246	08/12/20	08/13/20	TDS by SM2540C	

**Anions by EPA Method 300.0**

Nitrate as NO3	5.21	0.500	mg/l	1	0081248	08/12/20	08/12/20	EPA 300.0	
Nitrate as N	1.18	0.200	"	"	"	"	"	"	

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**B7-W**  
**T203019-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	0.50	mg/l	1	0081140	08/11/20	08/13/20	EPA 8015B	
C13-C28 (DRO)	ND	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		100 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	50	ug/l	1	0081327	08/13/20	08/17/20	EPA 6010b	AO-1
Silver	ND	50	"	"	"	"	"	"	AO-1
Arsenic	ND	50	"	"	"	"	"	"	AO-1
<b>Barium</b>	<b>110</b>	50	"	"	"	"	"	"	AO-1
Beryllium	ND	50	"	"	"	"	"	"	AO-1
Cadmium	ND	50	"	"	"	"	"	"	AO-1
Chromium	ND	50	"	"	"	"	"	"	AO-1
Cobalt	ND	50	"	"	"	"	"	"	AO-1
Copper	ND	50	"	"	"	"	"	"	AO-1
Lead	ND	50	"	"	"	"	"	"	AO-1
<b>Molybdenum</b>	<b>79</b>	50	"	"	"	"	"	"	AO-1
Nickel	ND	50	"	"	"	"	"	"	AO-1
Selenium	ND	50	"	"	"	"	"	"	AO-1
Thallium	ND	50	"	"	"	"	"	"	AO-1
Vanadium	ND	50	"	"	"	"	"	"	AO-1
Zinc	ND	50	"	"	"	"	"	"	AO-1

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.50	ug/l	1	0081328	08/13/20	08/19/20	EPA 7470A Water	
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**B7-W**  
**T203019-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	1.00	ug/l	1	0081243	08/12/20	08/13/20	EPA 8081A	
gamma-BHC (Lindane)	ND	1.00	"	"	"	"	"	"	
beta-BHC	ND	1.00	"	"	"	"	"	"	
delta-BHC	ND	1.00	"	"	"	"	"	"	
Heptachlor	ND	1.00	"	"	"	"	"	"	
Aldrin	ND	1.00	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.00	"	"	"	"	"	"	
gamma-Chlordane	ND	1.00	"	"	"	"	"	"	
alpha-Chlordane	ND	1.00	"	"	"	"	"	"	
Endosulfan I	ND	1.00	"	"	"	"	"	"	
4,4'-DDE	ND	1.00	"	"	"	"	"	"	
Dieldrin	ND	1.00	"	"	"	"	"	"	
Endrin	ND	1.00	"	"	"	"	"	"	
4,4'-DDD	ND	1.00	"	"	"	"	"	"	
Endosulfan II	ND	1.00	"	"	"	"	"	"	
4,4'-DDT	ND	1.00	"	"	"	"	"	"	
Endrin aldehyde	ND	1.00	"	"	"	"	"	"	
Endosulfan sulfate	ND	1.00	"	"	"	"	"	"	
Methoxychlor	ND	1.00	"	"	"	"	"	"	
Endrin ketone	ND	1.00	"	"	"	"	"	"	
Toxaphene	ND	20.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		98.8 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		108 %		35-140	"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	2.00	ug/l	1	0081253	08/12/20	08/15/20	EPA 8082	
PCB-1221	ND	2.00	"	"	"	"	"	"	
PCB-1232	ND	2.00	"	"	"	"	"	"	
PCB-1242	ND	2.00	"	"	"	"	"	"	
PCB-1248	ND	2.00	"	"	"	"	"	"	
PCB-1254	ND	2.00	"	"	"	"	"	"	
PCB-1260	ND	2.00	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B7-W**  
**T203019-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

Surrogate: Tetrachloro-meta-xylene	78.1 %	35-140	0081253	08/12/20	08/15/20	EPA 8082
Surrogate: Decachlorobiphenyl	95.1 %	35-140	"	"	"	"

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	0.33	ug/l	1	0081255	08/12/20	08/14/20	8151
2,4,5-TP (Silvex)	ND	0.33	"	"	"	"	"	"
2,4-D	ND	0.83	"	"	"	"	"	"
2,4-DB	ND	0.83	"	"	"	"	"	"
3,5-Dichlorobenzoic acid	ND	0.33	"	"	"	"	"	"
4-Nitrophenol	ND	0.83	"	"	"	"	"	"
Acifluorfen	ND	0.33	"	"	"	"	"	"
Bentazon	ND	1.67	"	"	"	"	"	"
Chloramben	ND	0.83	"	"	"	"	"	"
Dalapon	ND	1.67	"	"	"	"	"	"
DCPA diacid	ND	0.33	"	"	"	"	"	"
Dicamba	ND	0.33	"	"	"	"	"	"
Dichloroprop	ND	0.83	"	"	"	"	"	"
Dinoseb	ND	0.83	"	"	"	"	"	"
Pentachlorophenol	ND	0.33	"	"	"	"	"	"
Picloram	ND	1.67	"	"	"	"	"	"
Surrogate: 2,4-DCAA	60.4 %	35-150	"	"	"	"	"	"

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B
Bromochloromethane	ND	1.0	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"

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**B7-W**  
**T203019-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**B7-W**  
**T203019-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
<b>Benzene</b>	<b>0.52</b>	0.50	"	"	"	"	"	"	
<b>Toluene</b>	<b>0.53</b>	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.6 %	76.7-116		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		84.6 %	49.2-135		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.8 %	84.7-108		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
Phenol	ND	10	"	"	"	"	"	"	
Aniline	ND	10	"	"	"	"	"	"	
2-Chlorophenol	ND	10	"	"	"	"	"	"	
Acenaphthylene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1-Methylnaphthalene	ND	10	"	"	"	"	"	"	

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**B7-W**  
**T203019-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

2-Methylnaphthalene	ND	20	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
4-Chloro-3-methylphenol	ND	10	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10	"	"	"	"	"	"	
Acenaphthene	ND	10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	20	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	50	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	20	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10	"	"	"	"	"	"	
4-Chloroaniline	ND	20	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	20	"	"	"	"	"	"	
Chrysene	ND	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10	"	"	"	"	"	"	
Dibenzofuran	ND	20	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	10	"	"	"	"	"	"	
<b>Diethyl phthalate</b>	<b>23</b>	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10	"	"	"	"	"	"	

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:46

**B7-W**  
**T203019-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	5.0	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	20	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	20	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	20	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	10	"	"	"	"	"	"	
2-Methylphenol	ND	10	"	"	"	"	"	"	
4-Methylphenol	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	20	"	"	"	"	"	"	
Nitrobenzene	ND	20	"	"	"	"	"	"	
2-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	25	"	"	"	"	"	"	
Phenanthrene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	20	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
1,4-Dinitrobenzene	ND	10	"	"	"	"	"	"	
Pyridine	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		46.0 %	15-121		"	"	"	"	
Surrogate: Phenol-d6		37.6 %	24-113		"	"	"	"	
Surrogate: Nitrobenzene-d5		69.4 %	14.7-110		"	"	"	"	

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Brusca Associates Inc.  
PO Box 332  
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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

**B7-W**

**T203019-07 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	76.7 %	33.3-110			0081244	08/12/20	08/15/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	74.9 %	12.9-110			"	"	"	"	
Surrogate: Terphenyl-d14	79.0 %	15.8-136			"	"	"	"	

**Conventional Chemistry Parameters by APHA/EPA/ASTM Methods**

<b>pH</b>	<b>7.4</b>	0.10	pH Units	1	0081238	08/12/20	08/12/20	SM4500	O-04
<b>Total Dissolved Solids</b>	<b>460</b>	10	mg/l	"	0081246	08/12/20	08/13/20	TDS by SM2540C	

**Anions by EPA Method 300.0**

<b>Nitrate as NO3</b>	<b>38.2</b>	0.500	mg/l	1	0081248	08/12/20	08/12/20	EPA 300.0	
<b>Nitrate as N</b>	<b>8.63</b>	0.200	"	"	"	"	"	"	

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**Extractable Petroleum Hydrocarbons by 8015B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081140 - EPA 3510C GC**

<b>Blank (0081140-BLK1)</b>		Prepared: 08/11/20 Analyzed: 08/13/20								
C6-C12 (GRO)	ND	0.50	mg/l							
C13-C28 (DRO)	ND	0.50	"							
C29-C40 (MORO)	ND	0.50	"							

*Surrogate: p-Terphenyl*      4.04      "      4.00      101      65-135

<b>LCS (0081140-BS1)</b>		Prepared: 08/11/20 Analyzed: 08/13/20								
C13-C28 (DRO)	20.4	0.50	mg/l	20.0		102	75-125			
<i>Surrogate: p-Terphenyl</i>	3.83		"	4.00		95.7	65-135			

<b>LCS Dup (0081140-BSD1)</b>		Prepared: 08/11/20 Analyzed: 08/13/20								
C13-C28 (DRO)	22.7	0.50	mg/l	20.0		114	75-125	10.7	20	
<i>Surrogate: p-Terphenyl</i>	3.88		"	4.00		97.1	65-135			

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 Project Manager: Joe Brusca

Reported:  
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**Metals by EPA 6010B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081327 - EPA 3010A**

**Blank (0081327-BLK1)**

Prepared: 08/13/20 Analyzed: 08/17/20

Antimony	ND	50	ug/l							
Silver	ND	50	"							
Arsenic	ND	50	"							
Barium	ND	50	"							
Beryllium	ND	50	"							
Cadmium	ND	50	"							
Chromium	ND	50	"							
Cobalt	ND	50	"							
Copper	ND	50	"							
Lead	ND	50	"							
Molybdenum	ND	50	"							
Nickel	ND	50	"							
Selenium	ND	50	"							
Thallium	ND	50	"							
Vanadium	ND	50	"							
Zinc	ND	50	"							

**LCS (0081327-BS1)**

Prepared: 08/13/20 Analyzed: 08/17/20

Arsenic	508	50	ug/l	500		102	75-125			
Barium	540	50	"	500		108	75-125			
Cadmium	535	50	"	500		107	75-125			
Chromium	542	50	"	500		108	75-125			
Lead	534	50	"	500		107	75-125			

**Matrix Spike (0081327-MS1)**

Source: T203019-01

Prepared: 08/13/20 Analyzed: 08/17/20

Arsenic	493	50	ug/l	500	ND	98.6	75-125			
Barium	562	50	"	500	79.2	96.6	75-125			
Cadmium	481	50	"	500	ND	96.3	75-125			
Chromium	489	50	"	500	ND	97.9	75-125			
Lead	487	50	"	500	ND	97.3	75-125			

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**Metals by EPA 6010B - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081327 - EPA 3010A**

Matrix Spike Dup (0081327-MSD1)	Source: T203019-01			Prepared: 08/13/20 Analyzed: 08/17/20						
Arsenic	474	50	ug/l	500	ND	94.8	75-125	3.85	20	
Barium	559	50	"	500	79.2	96.0	75-125	0.528	20	
Cadmium	478	50	"	500	ND	95.7	75-125	0.616	20	
Chromium	484	50	"	500	ND	96.8	75-125	1.11	20	
Lead	466	50	"	500	ND	93.2	75-125	4.35	20	

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**Cold Vapor Extraction EPA 7470/7471 - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081328 - EPA 7470A Water**

<b>Blank (0081328-BLK1)</b>		Prepared: 08/13/20 Analyzed: 08/19/20								
Mercury	ND	0.50	ug/l							
<b>LCS (0081328-BS1)</b>		Prepared: 08/13/20 Analyzed: 08/19/20								
Mercury	5.42	0.50	ug/l	5.00		108	80-120			
<b>Matrix Spike (0081328-MS1)</b>		<b>Source: T203019-01</b>		Prepared: 08/13/20 Analyzed: 08/19/20						
Mercury	5.52	0.50	ug/l	5.00	ND	110	75-125			
<b>Matrix Spike Dup (0081328-MSD1)</b>		<b>Source: T203019-01</b>		Prepared: 08/13/20 Analyzed: 08/19/20						
Mercury	4.80	0.50	ug/l	5.00	ND	96.1	75-125	13.9	20	

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 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:46

**Organochlorine Pesticides by EPA Method 8081A - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081243 - EPA 3510C GCMS/ECD**

**Blank (0081243-BLK1)**

Prepared: 08/12/20 Analyzed: 08/13/20

alpha-BHC	ND	1.00	ug/l							
gamma-BHC (Lindane)	ND	1.00	"							
beta-BHC	ND	1.00	"							
delta-BHC	ND	1.00	"							
Heptachlor	ND	1.00	"							
Aldrin	ND	1.00	"							
Heptachlor epoxide	ND	1.00	"							
gamma-Chlordane	ND	1.00	"							
alpha-Chlordane	ND	1.00	"							
Endosulfan I	ND	1.00	"							
4,4'-DDE	ND	1.00	"							
Dieldrin	ND	1.00	"							
Endrin	ND	1.00	"							
4,4'-DDD	ND	1.00	"							
Endosulfan II	ND	1.00	"							
4,4'-DDT	ND	1.00	"							
Endrin aldehyde	ND	1.00	"							
Endosulfan sulfate	ND	1.00	"							
Methoxychlor	ND	1.00	"							
Endrin ketone	ND	1.00	"							
Toxaphene	ND	20.0	"							
Surrogate: Tetrachloro-meta-xylene	ND		"	1.00		97.8	35-140			
Surrogate: Decachlorobiphenyl	1.01		"	1.00		101	35-140			

**LCS (0081243-BS1)**

Prepared: 08/12/20 Analyzed: 08/13/20

gamma-BHC (Lindane)	3.79	1.00	ug/l	4.00		94.8	40-120			
Heptachlor	3.92	1.00	"	4.00		98.1	40-120			
Aldrin	2.92	1.00	"	4.00		73.1	40-120			
Dieldrin	3.99	1.00	"	4.00		99.7	40-120			
Endrin	3.98	1.00	"	4.00		99.5	40-120			
4,4'-DDT	4.14	1.00	"	4.00		104	40-120			
Surrogate: Tetrachloro-meta-xylene	0.963		"	1.00		96.3	35-140			
Surrogate: Decachlorobiphenyl	1.02		"	1.00		102	35-140			

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**Organochlorine Pesticides by EPA Method 8081A - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081243 - EPA 3510C GCMS/ECD**

**LCS Dup (0081243-BSD1)**

Prepared: 08/12/20 Analyzed: 08/13/20

gamma-BHC (Lindane)	3.88	1.00	ug/l	4.00		96.9	40-120	2.23	20	
Heptachlor	4.03	1.00	"	4.00		101	40-120	2.66	20	
Aldrin	2.97	1.00	"	4.00		74.2	40-120	1.43	20	
Dieldrin	4.18	1.00	"	4.00		105	40-120	4.81	20	
Endrin	4.12	1.00	"	4.00		103	40-120	3.52	20	
4,4'-DDT	4.30	1.00	"	4.00		107	40-120	3.61	20	
Surrogate: Tetrachloro-meta-xylene	0.992		"	1.00		99.2	35-140			
Surrogate: Decachlorobiphenyl	1.09		"	1.00		109	35-140			

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Brusca Associates Inc.  
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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:46

**Polychlorinated Biphenyls by EPA Method 8082 - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081253 - EPA 3510C GCMS/ECD**

**Blank (0081253-BLK1)**

Prepared: 08/12/20 Analyzed: 08/18/20

PCB-1016	ND	2.00	ug/l							
PCB-1221	ND	2.00	"							
PCB-1232	ND	2.00	"							
PCB-1242	ND	2.00	"							
PCB-1248	ND	2.00	"							
PCB-1254	ND	2.00	"							
PCB-1260	ND	2.00	"							
Surrogate: Tetrachloro-meta-xylene	0.791		"	1.00		79.1	35-140			
Surrogate: Decachlorobiphenyl	0.885		"	1.00		88.5	35-140			

**LCS (0081253-BS1)**

Prepared: 08/12/20 Analyzed: 08/15/20

PCB-1016	8.67	2.00	ug/l	10.0		86.7	40-130			
PCB-1260	8.69	2.00	"	10.0		86.9	40-130			
Surrogate: Tetrachloro-meta-xylene	0.815		"	1.00		81.5	35-140			
Surrogate: Decachlorobiphenyl	0.815		"	1.00		81.5	35-140			

**LCS Dup (0081253-BSD1)**

Prepared: 08/12/20 Analyzed: 08/15/20

PCB-1016	9.02	2.00	ug/l	10.0		90.2	40-130	3.92	30	
PCB-1260	9.88	2.00	"	10.0		98.8	40-130	12.8	30	
Surrogate: Tetrachloro-meta-xylene	0.766		"	1.00		76.6	35-140			
Surrogate: Decachlorobiphenyl	0.992		"	1.00		99.2	35-140			

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 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:46

**Chlorinated Herbicides by EPA Method 8151A - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081255 - 8151 Prep**

**Blank (0081255-BLK1)**

Prepared: 08/12/20 Analyzed: 08/14/20

2,4,5-T	ND	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.20	"							
2,4-D	ND	0.50	"							
2,4-DB	ND	0.50	"							
3,5-Dichlorobenzoic acid	ND	0.20	"							
4-Nitrophenol	ND	0.50	"							
Acifluorfen	ND	0.20	"							
Bentazon	ND	1.00	"							
Chloramben	ND	0.50	"							
Dalapon	ND	1.00	"							
DCPA diacid	ND	0.20	"							
Dicamba	ND	0.20	"							
Dichloroprop	ND	0.50	"							
Dinoseb	ND	0.50	"							
Pentachlorophenol	ND	0.20	"							
Picloram	ND	1.00	"							

Surrogate: 2,4-DCAA 10.2 " 20.0 51.1 35-150

**LCS (0081255-BS1)**

Prepared: 08/12/20 Analyzed: 08/14/20

2,4,5-TP (Silvex)	2.89	0.20	ug/l	5.00		57.8	20-150			
3,5-Dichlorobenzoic acid	3.57	0.20	"	5.00		71.3	20-150			
Dicamba	3.25	0.20	"	5.00		64.9	20-150			
Pentachlorophenol	3.08	0.20	"	5.00		61.7	20-150			

Surrogate: 2,4-DCAA 10.5 " 20.0 52.4 35-150

**LCS Dup (0081255-BSD1)**

Prepared: 08/12/20 Analyzed: 08/14/20

2,4,5-TP (Silvex)	3.69	0.20	ug/l	5.00		73.8	20-150	24.3	30	
3,5-Dichlorobenzoic acid	3.77	0.20	"	5.00		75.4	20-150	5.64	30	
Dicamba	3.76	0.20	"	5.00		75.2	20-150	14.6	30	
Pentachlorophenol	3.70	0.20	"	5.00		74.1	20-150	18.1	30	

Surrogate: 2,4-DCAA 12.1 " 20.0 60.5 35-150

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 Project Manager: Joe Brusca

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 08/19/20 16:46

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081251 - EPA 5030 GCMS**

**Blank (0081251-BLK1)**

Prepared: 08/12/20 Analyzed: 08/13/20

Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	2.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

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 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:46

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081251 - EPA 5030 GCMS**

**Blank (0081251-BLK1)**

Prepared: 08/12/20 Analyzed: 08/13/20

p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Surrogate: 4-Bromofluorobenzene	50.0		"	50.0		100	76.7-116			
Surrogate: Dibromofluoromethane	46.2		"	50.0		92.4	49.2-135			
Surrogate: Toluene-d8	50.3		"	50.0		101	84.7-108			

**LCS (0081251-BS1)**

Prepared: 08/12/20 Analyzed: 08/13/20

Chlorobenzene	50.7	1.0	ug/l	50.0		101	81.1-121			
1,1-Dichloroethene	43.2	1.0	"	50.0		86.4	69.9-130			
Trichloroethene	47.2	1.0	"	50.0		94.4	83.9-115			
Benzene	46.5	0.50	"	50.0		92.9	78.1-123			
Toluene	48.4	0.50	"	50.0		96.7	79.6-123			
Surrogate: 4-Bromofluorobenzene	49.6		"	50.0		99.2	76.7-116			
Surrogate: Dibromofluoromethane	45.2		"	50.0		90.4	49.2-135			
Surrogate: Toluene-d8	49.1		"	50.0		98.1	84.7-108			

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081251 - EPA 5030 GCMS**

**LCS Dup (0081251-BSD1)**

Prepared: 08/12/20 Analyzed: 08/13/20

Chlorobenzene	53.4	1.0	ug/l	50.0		107	81.1-121	5.15	20	
1,1-Dichloroethene	49.9	1.0	"	50.0		99.8	69.9-130	14.4	20	
Trichloroethene	52.9	1.0	"	50.0		106	83.9-115	11.5	20	
Benzene	51.1	0.50	"	50.0		102	78.1-123	9.43	20	
Toluene	52.6	0.50	"	50.0		105	79.6-123	8.44	20	
Surrogate: 4-Bromofluorobenzene	44.8		"	50.0		89.6	76.7-116			
Surrogate: Dibromofluoromethane	45.4		"	50.0		90.9	49.2-135			
Surrogate: Toluene-d8	50.0		"	50.0		99.9	84.7-108			

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 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:46

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081244 - EPA 3510C GCMS/ECD**

**Blank (0081244-BLK1)**

Prepared: 08/12/20 Analyzed: 08/15/20

Carbazole	ND	10	ug/l							
Aniline	ND	10	"							
Phenol	ND	10	"							
Acenaphthylene	ND	10	"							
2-Chlorophenol	ND	10	"							
1,4-Dichlorobenzene	ND	10	"							
Anthracene	ND	10	"							
N-Nitrosodi-n-propylamine	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
4-Chloro-3-methylphenol	ND	10	"							
1-Methylnaphthalene	ND	10	"							
2-Methylnaphthalene	ND	20	"							
Acenaphthene	ND	10	"							
Benzo (a) anthracene	ND	10	"							
4-Nitrophenol	ND	10	"							
Benzo (b) fluoranthene	ND	10	"							
Benzo (k) fluoranthene	ND	10	"							
2,4-Dinitrotoluene	ND	10	"							
Benzo (g,h,i) perylene	ND	20	"							
Pentachlorophenol	ND	10	"							
Benzo (a) pyrene	ND	10	"							
Pyrene	ND	10	"							
Benzyl alcohol	ND	50	"							
Bis(2-chloroethoxy)methane	ND	10	"							
Bis(2-chloroethyl)ether	ND	5.0	"							
Bis(2-chloroisopropyl)ether	ND	20	"							
Bis(2-ethylhexyl)phthalate	ND	10	"							
4-Bromophenyl phenyl ether	ND	5.0	"							
Butyl benzyl phthalate	ND	10	"							
4-Chloroaniline	ND	20	"							
2-Chloronaphthalene	ND	10	"							
4-Chlorophenyl phenyl ether	ND	20	"							
Chrysene	ND	10	"							
Dibenz (a,h) anthracene	ND	10	"							
Dibenzofuran	ND	20	"							
Di-n-butyl phthalate	ND	5.0	"							

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 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:46

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081244 - EPA 3510C GCMS/ECD**

**Blank (0081244-BLK1)**

Prepared: 08/12/20 Analyzed: 08/15/20

1,2-Dichlorobenzene	ND	5.0	ug/l							
1,3-Dichlorobenzene	ND	5.0	"							
2,4-Dichlorophenol	ND	10	"							
Diethyl phthalate	ND	10	"							
2,4-Dimethylphenol	ND	5.0	"							
Dimethyl phthalate	ND	10	"							
4,6-Dinitro-2-methylphenol	ND	5.0	"							
2,4-Dinitrophenol	ND	10	"							
2,6-Dinitrotoluene	ND	20	"							
Di-n-octyl phthalate	ND	10	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	10	"							
Hexachlorobenzene	ND	20	"							
Hexachlorobutadiene	ND	10	"							
Hexachlorocyclopentadiene	ND	20	"							
Hexachloroethane	ND	5.0	"							
Indeno (1,2,3-cd) pyrene	ND	10	"							
Isophorone	ND	10	"							
2-Methylphenol	ND	10	"							
4-Methylphenol	ND	20	"							
Naphthalene	ND	5.0	"							
2-Nitroaniline	ND	10	"							
3-Nitroaniline	ND	10	"							
4-Nitroaniline	ND	20	"							
Nitrobenzene	ND	20	"							
2-Nitrophenol	ND	10	"							
N-Nitrosodiphenylamine	ND	10	"							
N-Nitrosodimethylamine	ND	25	"							
Phenanthrene	ND	10	"							
2,4,5-Trichlorophenol	ND	20	"							
2,4,6-Trichlorophenol	ND	10	"							
2,3,4,6-Tetrachlorophenol	ND	10	"							
2,3,5,6-Tetrachlorophenol	ND	10	"							
1,4-Dinitrobenzene	ND	10	"							
Pyridine	ND	10	"							

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 Project Number: 347-001  
 Project Manager: Joe Brusca

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 08/19/20 16:46

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081244 - EPA 3510C GCMS/ECD**

**Blank (0081244-BLK1)**

Prepared: 08/12/20 Analyzed: 08/15/20

Surrogate: 2-Fluorophenol	90.2		ug/l	200		45.1	15-121			
Surrogate: Phenol-d6	74.8		"	200		37.4	24-113			
Surrogate: Nitrobenzene-d5	132		"	200		65.8	14.7-110			
Surrogate: 2-Fluorobiphenyl	143		"	200		71.4	33.3-110			
Surrogate: 2,4,6-Tribromophenol	145		"	200		72.5	12.9-110			
Surrogate: Terphenyl-d14	148		"	200		73.9	15.8-136			

**LCS (0081244-BS1)**

Prepared: 08/12/20 Analyzed: 08/15/20

Phenol	86.1	10	ug/l	200		43.0	12-89			
2-Chlorophenol	140	10	"	200		69.8	40-120			
1,4-Dichlorobenzene	127	10	"	200		63.5	33-94			
N-Nitrosodi-n-propylamine	165	5.0	"	200		82.6	40-120			
1,2,4-Trichlorobenzene	129	5.0	"	200		64.5	40-120			
4-Chloro-3-methylphenol	166	10	"	200		83.1	50-130			
Acenaphthene	132	10	"	200		66.0	50-130			
4-Nitrophenol	102	10	"	200		50.9	10-80			
2,4-Dinitrotoluene	146	10	"	200		73.0	55.9-117			
Pentachlorophenol	152	10	"	200		76.1	50-130			
Pyrene	109	10	"	200		54.3	26-127			
Surrogate: 2-Fluorophenol	99.9		"	200		50.0	15-121			
Surrogate: Phenol-d6	83.5		"	200		41.8	24-113			
Surrogate: Nitrobenzene-d5	132		"	200		66.1	14.7-110			
Surrogate: 2-Fluorobiphenyl	169		"	200		84.6	33.3-110			
Surrogate: 2,4,6-Tribromophenol	153		"	200		76.7	12.9-110			
Surrogate: Terphenyl-d14	163		"	200		81.3	15.8-136			

**LCS Dup (0081244-BSD1)**

Prepared: 08/12/20 Analyzed: 08/15/20

Phenol	70.9	10	ug/l	200		35.5	12-89	19.3	42	
2-Chlorophenol	137	10	"	200		68.5	40-120	1.89	40	
1,4-Dichlorobenzene	126	10	"	200		63.1	33-94	0.664	28	
N-Nitrosodi-n-propylamine	156	5.0	"	200		78.0	40-120	5.73	38	
1,2,4-Trichlorobenzene	137	5.0	"	200		68.6	40-120	6.22	28	
4-Chloro-3-methylphenol	166	10	"	200		82.9	50-130	0.253	42	
Acenaphthene	138	10	"	200		69.1	50-130	4.68	31	
4-Nitrophenol	101	10	"	200		50.6	10-80	0.433	50	
2,4-Dinitrotoluene	155	10	"	200		77.4	55.9-117	5.96	30	

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 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:46

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081244 - EPA 3510C GCMS/ECD**

**LCS Dup (0081244-BSD1)**

Prepared: 08/12/20 Analyzed: 08/15/20

Pentachlorophenol	153	10	ug/l	200		76.6	50-130	0.616	50	
Pyrene	110	10	"	200		54.9	26-127	1.03	31	
Surrogate: 2-Fluorophenol	97.0		"	200		48.5	15-121			
Surrogate: Phenol-d6	68.8		"	200		34.4	24-113			
Surrogate: Nitrobenzene-d5	134		"	200		67.2	14.7-110			
Surrogate: 2-Fluorobiphenyl	141		"	200		70.5	33.3-110			
Surrogate: 2,4,6-Tribromophenol	162		"	200		80.8	12.9-110			
Surrogate: Terphenyl-d14	164		"	200		82.2	15.8-136			

SunStar Laboratories, Inc.

*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.*

Mike Jaroudi, Project Manager



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**Conventional Chemistry Parameters by APHA/EPA/ASTM Methods - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081238 - General Preparation**

<b>Duplicate (0081238-DUP1)</b>	<b>Source: T203019-01</b>		Prepared & Analyzed: 08/12/20							
pH	7.59	0.10	pH Units		7.59			0.00	20	O-04

**Batch 0081246 - General Preparation**

<b>Blank (0081246-BLK1)</b>	Prepared: 08/12/20 Analyzed: 08/13/20									
Total Dissolved Solids	ND	10	mg/l							

<b>LCS (0081246-BS1)</b>	Prepared: 08/12/20 Analyzed: 08/13/20									
Total Dissolved Solids	456	10	mg/l	500		91.2	80-120			

<b>Duplicate (0081246-DUP1)</b>	<b>Source: T203019-01</b>		Prepared: 08/12/20 Analyzed: 08/13/20							
Total Dissolved Solids	96.0	10	mg/l		100			4.08	20	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:46
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**Anions by EPA Method 300.0 - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081248 - General Preparation**

<b>Blank (0081248-BLK1)</b>				Prepared & Analyzed: 08/12/20						
Nitrate as NO3	ND	0.500	mg/l							
Nitrate as N	ND	0.200	"							
<b>LCS (0081248-BS1)</b>				Prepared & Analyzed: 08/12/20						
Nitrate as NO3	25.8	0.500	mg/l	25.0		103	75-125			
<b>Matrix Spike (0081248-MS1)</b>				Source: T203019-01 Prepared & Analyzed: 08/12/20						
Nitrate as NO3	42.3	0.500	mg/l	25.0	17.7	98.3	75-125			
<b>Matrix Spike Dup (0081248-MSD1)</b>				Source: T203019-01 Prepared & Analyzed: 08/12/20						
Nitrate as NO3	42.4	0.500	mg/l	25.0	17.7	98.8	75-125	0.323	20	

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:46

### Notes and Definitions

- O-04 This sample was received and analyzed outside the EPA recommended holding time.
- AO-1 Dissolved
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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SunStar Laboratories, Inc.

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---

Mike Jaroudi, Project Manager

25712 Commercentre Drive, Lake Forest, CA 92630  
 949-297-5020

**Chain of Custody Record**

Client: BRUSCA ASSOCIATES, INC.  
 Address: PO Box 332, ROSEVILLE, CA 95661  
 Phone: (916) 677-1470 Fax: (916) 677-1471  
 Project Manager: JOE BRUSCA

Date: 8/11/2020 Page: 1 Of 1  
 Project Name: PEDRICK ROAD PROPERTY  
 Collector: BRUSCA Client Project #: 347-001  
 Batch #: T203019 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 BTEX, OXY only	8270	8024 BTEX PCBs	8015M (gasoline) PH	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals *	6020 ICP-MS Metals	ORGANIC/HERBICIDES	CHLORINATED HERBICIDES	Comments/Preservative	Total # of containers
01	B1-W	8/11/20	AM	WATER	VOLATILES + AMBERS	X	X	X	X	X	X	X	X	X	X	X		
02	B2-W					X	X	X	X	X	X	X	X	X	X	X		
03	B3-W					X	X	X	X	X	X	X	X	X	X	X		
04	B4-W					X	X	X	X	X	X	X	X	X	X	X		
05	B5-W					X	X	X	X	X	X	X	X	X	X	X		
06	B6-W					X	X	X	X	X	X	X	X	X	X	X		
07	B7-W					X	X	X	X	X	X	X	X	X	X	X		

Relinquished by: (signature) <i>[Signature]</i>	Date / Time 8/11/20 11:00	Received by: (signature) <i>[Signature]</i>	Date / Time 8/11/20 11:00	Total # of containers	Notes * PLEASE FILTER SAMPLES PRIOR TO METALS ANALYSIS
Relinquished by: (signature) <i>[Signature]</i>	Date / Time 8-12-20 9:30	Received by: (signature) <i>[Signature]</i>	Date / Time 8-12-20 9:30	Chain of Custody seals Y/N/NA Seals intact Y/N/NA	
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time	Received good condition/cold <input checked="" type="checkbox"/>	

Turn around time: NORMAL

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_

COC 191654



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

10 September 2020

Joe Brusca  
Brusca Associates Inc.  
PO Box 332  
Roseville, CA 95661  
RE: Pedrick Road Property

Enclosed are the results of analyses for samples received by the laboratory on 09/03/20 08:39. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to be 'MJ' or similar initials, written in a cursive style.

Mike Jaroudi  
Project Manager





25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
09/10/20 17:11

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG1	T203220-01	Air	09/02/20 09:10	09/03/20 08:39
SG2	T203220-02	Air	09/02/20 09:10	09/03/20 08:39
SG3	T203220-03	Air	09/02/20 09:24	09/03/20 08:39
SG4	T203220-04	Air	09/02/20 09:24	09/03/20 08:39
SG5	T203220-05	Air	09/02/20 09:37	09/03/20 08:39
SG6	T203220-06	Air	09/02/20 09:37	09/03/20 08:39
SG7	T203220-07	Air	09/02/20 09:50	09/03/20 08:39
SG8	T203220-08	Air	09/02/20 09:50	09/03/20 08:39
SG9	T203220-09	Air	09/02/20 10:04	09/03/20 08:39
SG10	T203220-10	Air	09/02/20 10:04	09/03/20 08:39
SG11	T203220-11	Air	09/02/20 10:16	09/03/20 08:39
SG12	T203220-12	Air	09/02/20 10:16	09/03/20 08:39

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

### DETECTIONS SUMMARY

Sample ID: SG1

Laboratory ID: T203220-01

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
1,1-Difluoroethane (Freon 152)	910	27	ug/m <sup>3</sup> Air	TO-15	
Acetone	43	12	ug/m <sup>3</sup> Air	TO-15	
Hexane	15	3.6	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	11	6.9	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	7.8	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	15	15	ug/m <sup>3</sup> Air	TO-15	
Toluene	8.4	3.8	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	11	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	4.0	4.4	ug/m <sup>3</sup> Air	TO-15	J
Carbon Dioxide	1.55	1.79	%	GC	J
Oxygen	20.7	1.79	%	GC	
Nitrogen	77.8	30.0	%	GC	

Sample ID: SG2

Laboratory ID: T203220-02

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	55	12	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	58	3.2	ug/m <sup>3</sup> Air	TO-15	
Heptane	5.9	4.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	30	3.6	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	51	6.9	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	19	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	28	15	ug/m <sup>3</sup> Air	TO-15	
Benzene	7.7	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	38	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	9.2	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	29	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	9.2	4.4	ug/m <sup>3</sup> Air	TO-15	
Carbon Dioxide	1.87	1.79	%	GC	
Oxygen	18.8	1.79	%	GC	
Nitrogen	78.3	30.0	%	GC	



Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**Sample ID:** SG2

**Laboratory ID:** T203220-02

Analyte	Reporting		Units	Method	Notes
	Result	Limit			

**Sample ID:** SG3

**Laboratory ID:** T203220-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Carbon Disulfide	6.7	3.2	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	12	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	13	15	ug/m <sup>3</sup> Air	TO-15	J
Toluene	8.6	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	4.1	4.4	ug/m <sup>3</sup> Air	TO-15	J
m,p-Xylene	15	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	7.0	4.4	ug/m <sup>3</sup> Air	TO-15	
Carbon Dioxide	1.00	1.86	%	GC	J
Oxygen	20.5	1.86	%	GC	
Nitrogen	77.7	30.0	%	GC	

**Sample ID:** SG4

**Laboratory ID:** T203220-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Carbon Disulfide	59	3.2	ug/m <sup>3</sup> Air	TO-15	
Chloroform	8.5	5.0	ug/m <sup>3</sup> Air	TO-15	
Hexane	20	3.6	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	11	6.9	ug/m <sup>3</sup> Air	TO-15	
1,3,5-Trimethylbenzene	5.1	5.0	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	21	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	77	15	ug/m <sup>3</sup> Air	TO-15	
Benzene	11	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	33	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	8.3	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	28	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	10	4.4	ug/m <sup>3</sup> Air	TO-15	
Carbon Dioxide	1.97	2.03	%	GC	J
Oxygen	9.04	2.03	%	GC	
Nitrogen	86.6	30.0	%	GC	



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PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
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**Sample ID:** SG5 **Laboratory ID:** T203220-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	29	12	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	7.8	3.2	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	12	6.9	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	13	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	23	15	ug/m <sup>3</sup> Air	TO-15	
Toluene	10	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	4.8	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	15	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	6.3	4.4	ug/m <sup>3</sup> Air	TO-15	
Carbon Dioxide	1.00	1.73	%	GC	J
Oxygen	19.8	1.73	%	GC	
Nitrogen	79.0	30.0	%	GC	

**Sample ID:** SG6 **Laboratory ID:** T203220-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Carbon Disulfide	31	3.2	ug/m <sup>3</sup> Air	TO-15	
Heptane	5.0	4.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	43	3.6	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	18	6.9	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	12	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	36	15	ug/m <sup>3</sup> Air	TO-15	
Benzene	6.9	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	29	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	7.1	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	23	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	8.2	4.4	ug/m <sup>3</sup> Air	TO-15	
Carbon Dioxide	1.02	1.86	%	GC	J
Oxygen	18.5	1.86	%	GC	
Nitrogen	79.4	30.0	%	GC	

**Sample ID:** SG7 **Laboratory ID:** T203220-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	31	12	ug/m <sup>3</sup> Air	TO-15	



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**Sample ID:** SG7 **Laboratory ID:** T203220-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Carbon Disulfide	6.6	3.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	8.8	3.6	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	11	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	25	15	ug/m <sup>3</sup> Air	TO-15	
Toluene	6.0	3.8	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	11	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	4.3	4.4	ug/m <sup>3</sup> Air	TO-15	J
Carbon Dioxide	0.45	1.79	%	GC	J
Oxygen	20.1	1.79	%	GC	
Nitrogen	78.9	30.0	%	GC	

**Sample ID:** SG8 **Laboratory ID:** T203220-08

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
1,1-Difluoroethane (Freon 152)	72	27	ug/m <sup>3</sup> Air	TO-15	
1,3-Butadiene	29	4.5	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	70	3.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	100	3.6	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	22	6.9	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	19	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	81	15	ug/m <sup>3</sup> Air	TO-15	
Toluene	17	3.8	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	23	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	9.4	4.4	ug/m <sup>3</sup> Air	TO-15	
Oxygen	15.4	5.34	%	GC	
Nitrogen	81.3	30.0	%	GC	

**Sample ID:** SG9 **Laboratory ID:** T203220-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	22	12	ug/m <sup>3</sup> Air	TO-15	
Chloroform	31	5.0	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	35	6.9	ug/m <sup>3</sup> Air	TO-15	
Trichlorofluoromethane	19	5.7	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	11	5.0	ug/m <sup>3</sup> Air	TO-15	



Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

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**Sample ID:** SG9 **Laboratory ID:** T203220-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
2-Butanone (MEK)	18	15	ug/m <sup>3</sup> Air	TO-15	
Toluene	6.0	3.8	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	12	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	4.9	4.4	ug/m <sup>3</sup> Air	TO-15	
Carbon Dioxide	2.44	1.81	%	GC	
Oxygen	17.9	1.81	%	GC	
Nitrogen	76.6	30.0	%	GC	

**Sample ID:** SG10 **Laboratory ID:** T203220-10

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	21	12	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	2.8	3.2	ug/m <sup>3</sup> Air	TO-15	J
Chloroform	820	5.0	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	19	6.9	ug/m <sup>3</sup> Air	TO-15	
Trichlorofluoromethane	27	5.7	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	10	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	34	15	ug/m <sup>3</sup> Air	TO-15	
Toluene	4.1	3.8	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	9.1	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	3.9	4.4	ug/m <sup>3</sup> Air	TO-15	J
Carbon Dioxide	2.93	1.77	%	GC	
Oxygen	17.4	1.77	%	GC	
Nitrogen	79.4	30.0	%	GC	

**Sample ID:** SG11 **Laboratory ID:** T203220-11

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Chloroform	9.0	5.0	ug/m <sup>3</sup> Air	TO-15	
Dichlorodifluoromethane	8.2	5.0	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	21	6.9	ug/m <sup>3</sup> Air	TO-15	
Trichlorofluoromethane	88	5.7	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	7.0	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	18	15	ug/m <sup>3</sup> Air	TO-15	
Toluene	5.0	3.8	ug/m <sup>3</sup> Air	TO-15	



Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

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Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**Sample ID:** SG11

**Laboratory ID:** T203220-11

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
m,p-Xylene	6.8	8.8	ug/m <sup>3</sup> Air	TO-15	J
Carbon Dioxide	0.66	1.75	%	GC	J
Oxygen	19.6	1.75	%	GC	
Nitrogen	79.6	30.0	%	GC	

**Sample ID:** SG12

**Laboratory ID:** T203220-12

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
1,1-Difluoroethane (Freon 152)	1400	27	ug/m <sup>3</sup> Air	TO-15	
Acetone	32	12	ug/m <sup>3</sup> Air	TO-15	
Chloroform	8.5	5.0	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	460	6.9	ug/m <sup>3</sup> Air	TO-15	
Trichloroethene	20	5.5	ug/m <sup>3</sup> Air	TO-15	
Trichlorofluoromethane	38	5.7	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	8.9	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	32	15	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	7.5	8.8	ug/m <sup>3</sup> Air	TO-15	J
Carbon Dioxide	1.49	1.80	%	GC	J
Oxygen	19.1	1.80	%	GC	
Nitrogen	79.6	30.0	%	GC	



Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**SG1**

**T203220-01(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>1,1-Difluoroethane (Freon 152)</b>	<b>910</b>	3.8	27	ug/m <sup>3</sup> Air	1.79	0090330	09/03/20	09/09/20	TO-15	
<b>Acetone</b>	<b>43</b>	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>15</b>	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	





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**SG1**

**T203220-01(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	1.79	0090330	09/03/20	09/09/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>11</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>7.8</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>15</b>	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>8.4</b>	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>11</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>4.0</b>	0.085	4.4	"	"	"	"	"	"	J

Surrogate: 4-Bromofluorobenzene

103 %

59.2-130

"

"

"

"

**Fixed Gases ASTM D1946-90**

Carbon Dioxide	1.55	0.25	1.79	%	1.79	0090833	09/08/20	09/08/20	GC	J
Oxygen	20.7	0.66	1.79	"	"	"	"	"	"	
Nitrogen	77.8	0.63	30.0	"	1	"	"	"	"	
Methane	ND		1.79	"	1.79	"	"	09/08/20	"	

SunStar Laboratories, Inc.

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**SG2**

**T203220-02(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	3.8	27	ug/m <sup>3</sup> Air	1.79	0090330	09/03/20	09/09/20	TO-15	
<b>Acetone</b>	<b>55</b>	0.49	12	"	"	"	"	"	"	"
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	"
<b>Carbon Disulfide</b>	<b>58</b>	0.22	3.2	"	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	"
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	"
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	"
Bromoform	ND	0.23	11	"	"	"	"	"	"	"
Bromomethane	ND	0.55	20	"	"	"	"	"	"	"
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	"
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	"
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	"
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	"
Chloromethane	ND	0.46	11	"	"	"	"	"	"	"
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	"
<b>Heptane</b>	<b>5.9</b>	0.15	4.2	"	"	"	"	"	"	"
<b>Hexane</b>	<b>30</b>	0.43	3.6	"	"	"	"	"	"	"
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	"
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	"
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	"



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**SG2**

**T203220-02(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	1.79	0090330	09/03/20	09/09/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	"
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	"
<b>Tetrachloroethene</b>	<b>51</b>	0.21	6.9	"	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	"
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	"
<b>1,2,4-Trimethylbenzene</b>	<b>19</b>	0.33	5.0	"	"	"	"	"	"	"
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	"
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	"
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	"
<b>2-Butanone (MEK)</b>	<b>28</b>	0.45	15	"	"	"	"	"	"	"
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	"
<b>Benzene</b>	<b>7.7</b>	0.14	3.3	"	"	"	"	"	"	"
<b>Toluene</b>	<b>38</b>	0.14	3.8	"	"	"	"	"	"	"
<b>Ethylbenzene</b>	<b>9.2</b>	0.14	4.4	"	"	"	"	"	"	"
<b>m,p-Xylene</b>	<b>29</b>	0.20	8.8	"	"	"	"	"	"	"
<b>o-Xylene</b>	<b>9.2</b>	0.085	4.4	"	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene

98.2 %

59.2-130

"

"

"

"

**Fixed Gases ASTM D1946-90**

Carbon Dioxide	1.87	0.25	1.79	%	1.79	0090833	09/08/20	09/08/20	GC	
Oxygen	18.8	0.66	1.79	"	"	"	"	"	"	"
Nitrogen	78.3	0.63	30.0	"	1	"	"	"	"	"
Methane	ND		1.79	"	1.79	"	"	09/08/20	"	"

SunStar Laboratories, Inc.

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Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**SG3**

**T203220-03(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	3.8	27	ug/m <sup>3</sup> Air	1.86	0090330	09/03/20	09/09/20	TO-15	
Acetone	ND	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
<b>Carbon Disulfide</b>	<b>6.7</b>	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	ND	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	

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Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
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**SG3**

**T203220-03(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	1.86	0090330	09/03/20	09/09/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>12</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>13</b>	0.45	15	"	"	"	"	"	"	J
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>8.6</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>4.1</b>	0.14	4.4	"	"	"	"	"	"	J
<b>m,p-Xylene</b>	<b>15</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>7.0</b>	0.085	4.4	"	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene 101 % 59.2-130 " " " "

**Fixed Gases ASTM D1946-90**

Carbon Dioxide	1.00	0.26	1.86	%	1.86	0090833	09/08/20	09/08/20	GC	J
Oxygen	20.5	0.69	1.86	"	"	"	"	"	"	
Nitrogen	77.7	0.63	30.0	"	1	"	"	"	"	
Methane	ND		1.86	"	1.86	"	"	09/08/20	"	

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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

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09/10/20 17:11

**SG4**

**T203220-04(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	3.8	27	ug/m <sup>3</sup> Air	2.03	0090330	09/03/20	09/09/20	TO-15	
Acetone	ND	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
<b>Carbon Disulfide</b>	<b>59</b>	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
<b>Chloroform</b>	<b>8.5</b>	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>20</b>	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**SG4**

**T203220-04(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	2.03	0090330	09/03/20	09/09/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>11</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>5.1</b>	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>21</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>77</b>	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>11</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>33</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>8.3</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>28</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>10</b>	0.085	4.4	"	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene 102 % 59.2-130 " " " "

**Fixed Gases ASTM D1946-90**

Carbon Dioxide	1.97	0.28	2.03	%	2.03	0090833	09/08/20	09/08/20	GC	J
Oxygen	9.04	0.75	2.03	"	"	"	"	"	"	
Nitrogen	86.6	0.63	30.0	"	1	"	"	"	"	
Methane	ND		2.03	"	2.03	"	"	09/08/20	"	



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Project Number: 347-001  
Project Manager: Joe Brusca

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**SG5**

**T203220-05(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	3.8	27	ug/m <sup>3</sup> Air	1.73	0090330	09/03/20	09/09/20	TO-15	
<b>Acetone</b>	<b>29</b>	0.49	12	"	"	"	"	"	"	"
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	"
<b>Carbon Disulfide</b>	<b>7.8</b>	0.22	3.2	"	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	"
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	"
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	"
Bromoform	ND	0.23	11	"	"	"	"	"	"	"
Bromomethane	ND	0.55	20	"	"	"	"	"	"	"
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	"
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	"
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	"
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	"
Chloromethane	ND	0.46	11	"	"	"	"	"	"	"
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	"
Heptane	ND	0.15	4.2	"	"	"	"	"	"	"
Hexane	ND	0.43	3.6	"	"	"	"	"	"	"
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	"
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	"
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	"

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Project Number: 347-001  
Project Manager: Joe Brusca

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**SG5**

**T203220-05(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	1.73	0090330	09/03/20	09/09/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	"
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	"
<b>Tetrachloroethene</b>	<b>12</b>	0.21	6.9	"	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	"
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	"
<b>1,2,4-Trimethylbenzene</b>	<b>13</b>	0.33	5.0	"	"	"	"	"	"	"
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	"
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	"
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	"
<b>2-Butanone (MEK)</b>	<b>23</b>	0.45	15	"	"	"	"	"	"	"
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	"
Benzene	ND	0.14	3.3	"	"	"	"	"	"	"
<b>Toluene</b>	<b>10</b>	0.14	3.8	"	"	"	"	"	"	"
<b>Ethylbenzene</b>	<b>4.8</b>	0.14	4.4	"	"	"	"	"	"	"
<b>m,p-Xylene</b>	<b>15</b>	0.20	8.8	"	"	"	"	"	"	"
<b>o-Xylene</b>	<b>6.3</b>	0.085	4.4	"	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene

102 %

59.2-130

"

"

"

"

**Fixed Gases ASTM D1946-90**

Carbon Dioxide	1.00	0.24	1.73	%	1.73	0090833	09/08/20	09/08/20	GC	J
Oxygen	19.8	0.64	1.73	"	"	"	"	"	"	"
Nitrogen	79.0	0.63	30.0	"	1	"	"	"	"	"
Methane	ND		1.73	"	1.73	"	"	09/08/20	"	"

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Roseville CA, 95661

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Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**SG6**

**T203220-06(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	3.8	27	ug/m <sup>3</sup> Air	1.86	0090330	09/03/20	09/09/20	TO-15	
Acetone	ND	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
<b>Carbon Disulfide</b>	<b>31</b>	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>5.0</b>	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>43</b>	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 09/10/20 17:11
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**SG6**  
**T203220-06(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	1.86	0090330	09/03/20	09/09/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	"
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	"
<b>Tetrachloroethene</b>	<b>18</b>	0.21	6.9	"	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	"
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	"
<b>1,2,4-Trimethylbenzene</b>	<b>12</b>	0.33	5.0	"	"	"	"	"	"	"
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	"
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	"
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	"
<b>2-Butanone (MEK)</b>	<b>36</b>	0.45	15	"	"	"	"	"	"	"
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	"
<b>Benzene</b>	<b>6.9</b>	0.14	3.3	"	"	"	"	"	"	"
<b>Toluene</b>	<b>29</b>	0.14	3.8	"	"	"	"	"	"	"
<b>Ethylbenzene</b>	<b>7.1</b>	0.14	4.4	"	"	"	"	"	"	"
<b>m,p-Xylene</b>	<b>23</b>	0.20	8.8	"	"	"	"	"	"	"
<b>o-Xylene</b>	<b>8.2</b>	0.085	4.4	"	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene 103 % 59.2-130 " " " "

<b>Fixed Gases ASTM D1946-90</b>										
Carbon Dioxide	1.02	0.26	1.86	%	1.86	0090833	09/08/20	09/08/20	GC	J
Oxygen	18.5	0.69	1.86	"	"	"	"	"	"	"
Nitrogen	79.4	0.63	30.0	"	1	"	"	"	"	"
Methane	ND		1.86	"	1.86	"	"	09/08/20	"	"

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PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
09/10/20 17:11

**SG7**

**T203220-07(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	3.8	27	ug/m <sup>3</sup> Air	1.79	0090330	09/03/20	09/09/20	TO-15	
<b>Acetone</b>	<b>31</b>	0.49	12	"	"	"	"	"	"	"
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	"
<b>Carbon Disulfide</b>	<b>6.6</b>	0.22	3.2	"	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	"
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	"
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	"
Bromoform	ND	0.23	11	"	"	"	"	"	"	"
Bromomethane	ND	0.55	20	"	"	"	"	"	"	"
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	"
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	"
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	"
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	"
Chloromethane	ND	0.46	11	"	"	"	"	"	"	"
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	"
Heptane	ND	0.15	4.2	"	"	"	"	"	"	"
<b>Hexane</b>	<b>8.8</b>	0.43	3.6	"	"	"	"	"	"	"
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	"
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	"
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	"

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**SG7**  
**T203220-07(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	1.79	0090330	09/03/20	09/09/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>11</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>25</b>	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>6.0</b>	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>11</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>4.3</b>	0.085	4.4	"	"	"	"	"	"	J

Surrogate: 4-Bromofluorobenzene 103 % 59.2-130 " " " "

**Fixed Gases ASTM D1946-90**

Carbon Dioxide	0.45	0.25	1.79	%	1.79	0090922	09/09/20	09/09/20	GC	J
Oxygen	20.1	0.66	1.79	"	"	"	"	"	"	
Nitrogen	78.9	0.63	30.0	"	1	"	"	"	"	
Methane	ND		1.79	"	1.79	"	"	09/09/20	"	

SunStar Laboratories, Inc.

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**SG8**

**T203220-08(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>1,1-Difluoroethane (Freon 152)</b>	<b>72</b>	3.8	27	ug/m <sup>3</sup> Air	5.34	0090330	09/03/20	09/09/20	TO-15	
Acetone	ND	0.49	12	"	"	"	"	"	"	
<b>1,3-Butadiene</b>	<b>29</b>	0.29	4.5	"	"	"	"	"	"	
<b>Carbon Disulfide</b>	<b>70</b>	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>100</b>	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	



Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
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**SG8**

**T203220-08(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	5.34	0090330	09/03/20	09/09/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>22</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>19</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>81</b>	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>17</b>	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>23</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>9.4</b>	0.085	4.4	"	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene

103 %

59.2-130

"

"

"

"

**Fixed Gases ASTM D1946-90**

Carbon Dioxide	ND	0.75	5.34	%	5.34	0090922	09/09/20	09/09/20	GC	
<b>Oxygen</b>	<b>15.4</b>	1.97	5.34	"	"	"	"	"	"	
<b>Nitrogen</b>	<b>81.3</b>	0.63	30.0	"	1	"	"	"	"	
Methane	ND		5.34	"	5.34	"	"	09/09/20	"	

SunStar Laboratories, Inc.

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Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

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**SG9**

**T203220-09(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	3.8	27	ug/m <sup>3</sup> Air	1.81	0090330	09/03/20	09/09/20	TO-15	
<b>Acetone</b>	<b>22</b>	0.49	12	"	"	"	"	"	"	"
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	"
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	"
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	"
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	"
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	"
Bromoform	ND	0.23	11	"	"	"	"	"	"	"
Bromomethane	ND	0.55	20	"	"	"	"	"	"	"
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	"
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	"
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	"
<b>Chloroform</b>	<b>31</b>	0.15	5.0	"	"	"	"	"	"	"
Chloromethane	ND	0.46	11	"	"	"	"	"	"	"
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	"
Heptane	ND	0.15	4.2	"	"	"	"	"	"	"
Hexane	ND	0.43	3.6	"	"	"	"	"	"	"
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	"
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	"
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	"
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	"
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	"

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 09/10/20 17:11
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**SG9**  
**T203220-09(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	1.81	0090330	09/03/20	09/09/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>35</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>19</b>	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>11</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>18</b>	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>6.0</b>	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>12</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>4.9</b>	0.085	4.4	"	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene 103 % 59.2-130 " " " "

**Fixed Gases ASTM D1946-90**

Carbon Dioxide	2.44	0.25	1.81	%	1.81	0090922	09/09/20	09/09/20	GC	
Oxygen	17.9	0.67	1.81	"	"	"	"	"	"	
Nitrogen	76.6	0.63	30.0	"	1	"	"	"	"	
Methane	ND		1.81	"	1.81	"	"	09/09/20	"	

SunStar Laboratories, Inc.

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**SG10**  
**T203220-10(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	3.8	27	ug/m <sup>3</sup> Air	1.77	0090330	09/03/20	09/09/20	TO-15	
<b>Acetone</b>	<b>21</b>	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
<b>Carbon Disulfide</b>	<b>2.8</b>	0.22	3.2	"	"	"	"	"	"	J
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
<b>Chloroform</b>	<b>820</b>	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	ND	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**SG10**  
**T203220-10(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	1.77	0090330	09/03/20	09/09/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>19</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>27</b>	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>10</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>34</b>	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>4.1</b>	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>9.1</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>3.9</b>	0.085	4.4	"	"	"	"	"	"	J

Surrogate: 4-Bromofluorobenzene

101 %

59.2-130

"

"

"

"

**Fixed Gases ASTM D1946-90**

<b>Carbon Dioxide</b>	<b>2.93</b>	0.25	1.77	%	1.77	0090922	09/09/20	09/09/20	GC	
<b>Oxygen</b>	<b>17.4</b>	0.65	1.77	"	"	"	"	"	"	
<b>Nitrogen</b>	<b>79.4</b>	0.63	30.0	"	1	"	"	"	"	
Methane	ND		1.77	"	1.77	"	"	09/09/20	"	

SunStar Laboratories, Inc.

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**SG11**

**T203220-11(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1-Difluoroethane (Freon 152)	ND	3.8	27	ug/m <sup>3</sup> Air	1.75	0090330	09/03/20	09/09/20	TO-15	
Acetone	ND	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
<b>Chloroform</b>	<b>9.0</b>	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	ND	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>8.2</b>	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**SG11**  
**T203220-11(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	1.75	0090330	09/03/20	09/09/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>21</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>88</b>	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>7.0</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>18</b>	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>5.0</b>	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>6.8</b>	0.20	8.8	"	"	"	"	"	"	J
o-Xylene	ND	0.085	4.4	"	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene

96.9 %

59.2-130

"

"

"

"

**Fixed Gases ASTM D1946-90**

<b>Carbon Dioxide</b>	<b>0.66</b>	0.24	1.75	%	1.75	0090922	09/09/20	09/09/20	GC	J
<b>Oxygen</b>	<b>19.6</b>	0.65	1.75	"	"	"	"	"	"	
<b>Nitrogen</b>	<b>79.6</b>	0.63	30.0	"	1	"	"	"	"	
Methane	ND		1.75	"	1.75	"	"	09/09/20	"	

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**SG12**  
**T203220-12(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>1,1-Difluoroethane (Freon 152)</b>	<b>1400</b>	3.8	27	ug/m <sup>3</sup> Air	1.8	0090330	09/03/20	09/10/20	TO-15	
<b>Acetone</b>	<b>32</b>	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
<b>Chloroform</b>	<b>8.5</b>	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	ND	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	

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Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
09/10/20 17:11

**SG12**  
**T203220-12(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Methylene chloride	ND	0.079	27	ug/m <sup>3</sup> Air	1.8	0090330	09/03/20	09/10/20	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>460</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>20</b>	0.21	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>38</b>	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>8.9</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>32</b>	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
Toluene	ND	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>7.5</b>	0.20	8.8	"	"	"	"	"	"	J
o-Xylene	ND	0.085	4.4	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>101 %</i>	<i>59.2-130</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Fixed Gases ASTM D1946-90**

<b>Carbon Dioxide</b>	<b>1.49</b>	0.25	1.80	%	1.8	0090922	09/09/20	09/09/20	GC	J
<b>Oxygen</b>	<b>19.1</b>	0.66	1.80	"	"	"	"	"	"	
<b>Nitrogen</b>	<b>79.6</b>	0.63	30.0	"	1	"	"	"	"	
Methane	ND		1.80	"	1.8	"	"	09/09/20	"	





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 09/10/20 17:11
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0090330 - Canister Analysis**

**Blank (0090330-BLK1)**

Prepared: 09/03/20 Analyzed: 09/05/20

<i>Surrogate: 4-Bromofluorobenzene</i>	368			ug/m <sup>3</sup> Air	362		102	59.2-130			
Acetone	ND	0.49	12	"							
1,3-Butadiene	ND	0.29	4.5	"							
Carbon Disulfide	ND	0.22	3.2	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"							
Isopropyl alcohol	ND	0.55	13	"							
Bromodichloromethane	ND	0.16	6.8	"							
Bromoform	ND	0.23	11	"							
Bromomethane	ND	0.55	20	"							
Carbon tetrachloride	ND	0.055	6.4	"							
Chlorobenzene	ND	0.098	4.7	"							
Chloroethane	ND	0.35	2.7	"							
Chloroform	ND	0.15	5.0	"							
Chloromethane	ND	0.46	11	"							
Cyclohexane	ND	0.16	3.5	"							
Heptane	ND	0.15	4.2	"							
Hexane	ND	0.43	3.6	"							
Dibromochloromethane	ND	0.26	8.7	"							
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"							
1,2-Dichlorobenzene	ND	0.36	31	"							
1,3-Dichlorobenzene	ND	0.43	31	"							
1,4-Dichlorobenzene	ND	0.44	31	"							
Dichlorodifluoromethane	ND	0.18	5.0	"							
1,1-Dichloroethane	ND	0.23	4.1	"							
1,2-Dichloroethane	ND	0.16	4.1	"							
1,1-Dichloroethene	ND	0.28	4.0	"							

SunStar Laboratories, Inc.

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 09/10/20 17:11
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0090330 - Canister Analysis**

**Blank (0090330-BLK1)**

Prepared: 09/03/20 Analyzed: 09/05/20

cis-1,2-Dichloroethene	ND	0.25	4.0	ug/m <sup>3</sup> Air							
trans-1,2-Dichloroethene	ND	0.22	4.0	"							
1,2-Dichloropropane	ND	0.13	4.7	"							
cis-1,3-Dichloropropene	ND	0.21	4.6	"							
trans-1,3-Dichloropropene	ND	0.21	4.6	"							
4-Ethyltoluene	ND	0.25	5.0	"							
Methylene chloride	ND	0.079	27	"							
Styrene	ND	0.19	4.3	"							
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"							
Tetrahydrofuran	ND	0.25	3.0	"							
Tetrachloroethene	ND	0.21	6.9	"							
1,1,2-Trichloroethane	ND	0.19	5.6	"							
1,1,1-Trichloroethane	ND	0.24	5.6	"							
Trichloroethene	ND	0.21	5.5	"							
Trichlorofluoromethane	ND	0.24	5.7	"							
1,3,5-Trimethylbenzene	ND	0.49	5.0	"							
1,2,4-Trimethylbenzene	ND	0.33	5.0	"							
Vinyl acetate	ND	0.18	3.6	"							
Vinyl chloride	ND	0.052	2.6	"							
1,4-Dioxane	ND	0.97	18	"							
2-Butanone (MEK)	ND	0.45	15	"							
Methyl isobutyl ketone	ND	0.14	42	"							
Benzene	ND	0.14	3.3	"							
Toluene	ND	0.14	3.8	"							
Ethylbenzene	ND	0.14	4.4	"							
m,p-Xylene	ND	0.20	8.8	"							
o-Xylene	ND	0.085	4.4	"							

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 09/10/20 17:11

**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0090330 - Canister Analysis**

Duplicate (0090330-DUP1)

Source: T203208-01

Prepared: 09/03/20 Analyzed: 09/05/20

Surrogate: 4-Bromofluorobenzene	400			ug/m <sup>3</sup> Air	362		110	59.2-130			
Acetone	172	0.49	12	"		166			3.49	30	
1,3-Butadiene	ND	0.29	4.5	"		ND				30	
Carbon Disulfide	5.24	0.22	3.2	"		4.55			14.0	30	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"		ND				30	
Isopropyl alcohol	ND	0.55	13	"		ND				30	
Bromodichloromethane	ND	0.16	6.8	"		ND				30	
Bromoform	ND	0.23	11	"		ND				30	
Bromomethane	ND	0.55	20	"		ND				30	
Carbon tetrachloride	ND	0.055	6.4	"		ND				30	
Chlorobenzene	ND	0.098	4.7	"		ND				30	
Chloroethane	ND	0.35	2.7	"		ND				30	
Chloroform	ND	0.15	5.0	"		ND				30	
Chloromethane	ND	0.46	11	"		ND				30	
Cyclohexane	ND	0.16	3.5	"		ND				30	
Heptane	ND	0.15	4.2	"		ND				30	
Hexane	9.89	0.43	3.6	"		9.50			4.01	30	
Dibromochloromethane	ND	0.26	8.7	"		ND				30	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"		ND				30	
1,2-Dichlorobenzene	ND	0.36	31	"		ND				30	
1,3-Dichlorobenzene	ND	0.43	31	"		ND				30	
1,4-Dichlorobenzene	ND	0.44	31	"		ND				30	
Dichlorodifluoromethane	ND	0.18	5.0	"		ND				30	
1,1-Dichloroethane	ND	0.23	4.1	"		ND				30	
1,2-Dichloroethane	ND	0.16	4.1	"		ND				30	
1,1-Dichloroethane	ND	0.28	4.0	"		ND				30	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 09/10/20 17:11
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0090330 - Canister Analysis**

Duplicate (0090330-DUP1)	Source: T203208-01			Prepared: 09/03/20 Analyzed: 09/05/20							
cis-1,2-Dichloroethene	ND	0.25	4.0	ug/m <sup>3</sup> Air	ND					30	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	ND					30	
1,2-Dichloropropane	ND	0.13	4.7	"	ND					30	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	ND					30	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	ND					30	
4-Ethyltoluene	ND	0.25	5.0	"	ND					30	
Methylene chloride	ND	0.079	27	"	ND					30	
Styrene	ND	0.19	4.3	"	ND					30	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	ND					30	
Tetrahydrofuran	68.7	0.25	3.0	"	61.7				10.8	30	
Tetrachloroethene	ND	0.21	6.9	"	ND					30	
1,1,2-Trichloroethane	ND	0.19	5.6	"	ND					30	
1,1,1-Trichloroethane	ND	0.24	5.6	"	ND					30	
Trichloroethene	ND	0.21	5.5	"	ND					30	
Trichlorofluoromethane	ND	0.24	5.7	"	ND					30	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	ND					30	
1,2,4-Trimethylbenzene	ND	0.33	5.0	"	ND					30	
Vinyl acetate	ND	0.18	3.6	"	ND					30	
Vinyl chloride	ND	0.052	2.6	"	ND					30	
1,4-Dioxane	ND	0.97	18	"	ND					30	
2-Butanone (MEK)	35.4	0.45	15	"	31.9				10.4	30	
Methyl isobutyl ketone	ND	0.14	42	"	ND					30	
Benzene	10.8	0.14	3.3	"	9.52				12.4	30	
Toluene	ND	0.14	3.8	"	ND					30	
Ethylbenzene	ND	0.14	4.4	"	ND					30	
m,p-Xylene	ND	0.20	8.8	"	ND					30	
o-Xylene	ND	0.085	4.4	"	ND					30	

SunStar Laboratories, Inc.

*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.*



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 09/10/20 17:11

**Fixed Gases ASTM D1946-90 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 0090833 - EPA 5030 GC**

**Blank (0090833-BLK1)**

Prepared & Analyzed: 09/08/20

Carbon Dioxide	ND	0.14	1.00	%							
Oxygen	ND	0.37	1.00	"							
Nitrogen	ND	0.63	30.0	"							
Methane	ND		1.00	"							

**LCS (0090833-BS1)**

Prepared & Analyzed: 09/08/20

Carbon Dioxide	3.93	0.14	1.00	%	5.00		78.6	75-125			
Oxygen	14.9	0.37	1.00	"	15.0		99.1	75-125			
Nitrogen	81.1	0.63	30.0	"	80.0		101	75-125			

**Duplicate (0090833-DUP1)**

Source: T203220-01

Prepared & Analyzed: 09/08/20

Carbon Dioxide	1.58	0.25	1.79	%		1.55			1.71	20	J
Oxygen	20.5	0.66	1.79	"		20.7			1.26	20	
Nitrogen	78.0	0.63	30.0	"		77.8			0.259	20	
Methane	ND		1.79	"		ND				20	

**Batch 0090922 - EPA 5030 GC**

**Blank (0090922-BLK1)**

Prepared & Analyzed: 09/09/20

Carbon Dioxide	ND	0.14	1.00	%							
Oxygen	ND	0.37	1.00	"							
Nitrogen	ND	0.63	30.0	"							
Methane	ND		1.00	"							

**LCS (0090922-BS1)**

Prepared & Analyzed: 09/09/20

Carbon Dioxide	3.78	0.14	1.00	%	5.00		75.6	75-125			
Oxygen	15.3	0.37	1.00	"	15.0		102	75-125			
Nitrogen	80.3	0.63	30.0	"	80.0		100	75-125			

SunStar Laboratories, Inc.

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 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 09/10/20 17:11
---	--	-----------------------------

**Fixed Gases ASTM D1946-90 - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 0090922 - EPA 5030 GC**

Duplicate (0090922-DUP1)	Source: T203220-07				Prepared & Analyzed: 09/09/20						
Carbon Dioxide	0.45	0.25	1.79	%		0.45			0.401	20	J
Oxygen	20.2	0.66	1.79	"		20.1			0.497	20	
Nitrogen	78.0	0.63	30.0	"		78.9			1.07	20	
Methane	ND		1.79	"		ND				20	

SunStar Laboratories, Inc.

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
09/10/20 17:11

### Notes and Definitions

- J Detected but below the Standard Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

# AIR LABORATORY

## Chain of Custody Record



25712 Commercentre Drive, Lake Forest, CA 92630  
949-297-5020

Client: BRUSCA ASSOCIATES, INC.  
Address: PO Box 332, Roseville, CA 95661  
Phone: (916) 677-1470 Fax: (916) 677-1471  
Project Manager: JOE BRUSCA

Date: 9/2/2020 Page: 1 Of 1  
Project Name: PEDRICK ROAD PROPERTY  
Collector: BRUSCA Client Project #: 347-001  
Batch #: T203220 EDF #: \_\_\_\_\_

Laboratory ID #	Sample ID	Date Sampled	Start Time	Finish Time	Sample Type : Soil Gas / Indoor Air	Container Type: Summa Can / Tedlar	Initial Pressure	Final Pressure	TO-3	TO-14	TO-15	Methane by GC - FID	Fixed Gases by TGA SIMD 1946	RSK - 175	Summa Can, Manifold # / Comments
	SG-1	9/2/20	9:10	9:16	Soil Gas	Summa	-25	-5			X	X	X		0099
	SG-2		9:10	9:17			-27	-5			X	X	X		0055
	SG-3		9:24	9:31			-30	-5			X	X	X		602
	SG-4		9:24	9:55			-30	-5			X	X	X		655
	SG-5		9:37	9:43			-30	-5			X	X	X		0043
	SG-6		9:37	9:43			-30	-5			X	X	X		0469
	SG-7		9:50	9:57			-30	-5			X	X	X		0168
	SG-8		9:50	10:30			-30	-21			X	X	X		0171
	SG-9		10:04	10:09			-25	-5			X	X	X		0064
	SG-10		10:04	10:11			-30	-5			X	X	X		0185
	SG-11		10:16	10:23			-30	-5			X	X	X		0196
	SG-12		10:16	10:22			-28	-5			X	X	X		0011
Relinquished by: (signature) <u>[Signature]</u> Date / Time <u>9/2/20 12:50</u> Received by: (signature) <u>[Signature]</u> Date / Time <u>9/2/20 1250</u> Relinquished by: (signature) <u>GLS</u> Date / Time <u>9-3-20 839</u> Received by: (signature) <u>[Signature]</u> Date / Time <u>9-3-20 839</u> Relinquished by: (signature) _____ Date / Time _____ Received by: (signature) _____ Date / Time _____ Total # of containers _____ Chain of Custody seals Y/N/NA _____ Seals intact? Y/N/NA _____ Received good condition/cold _____ Turn around time: <u>4-DAY</u>															Notes

\* TO-15 SIM analysis available upon prior notification. (Precertified Summa cans needed)

# APPENDIX B

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- **Drilling Permit Documentation**





**DEPARTMENT OF RESOURCE MANAGEMENT  
ENVIRONMENTAL HEALTH SERVICES**

675 TEXAS ST., SUITE 5500  
FAIRFIELD CA 94533  
(707) 784-6765

# **BORING PERMIT**

## **W2020-0150**

**Status:** Issued  
**Expiration Date:** 8/8/2021  
**Site Location:** Soil Borings at 8405 Pedrick Road in Dixon  
**SWEEPS #:** 805241  
**APN(s):** 0111040010

<b>Boring Type</b>					
<u>Number</u>	<u>Type</u>	<u>Method</u>	<u>Depth</u>	<u>Width</u>	<u>Material</u>
8	Environmental	Pneumatic or Direct Push	30	2	Neat Cement

**Project Description:** Eight direct push soil borings to be advanced to ~30ft and abandoned immediately after soil and groundwater collection by tremie grout.

**Property Owner:**  
Ocala Meadows Land LLC  
455 Magna Drive  
Aurora, Ontario L4G 7A9

**Well Owner:**  
Ocala Meadows Land LLC  
455 Magna Drive  
Aurora, Ontario L4G 7A9

**Well Driller:**  
Confluence Environmental  
6821 8th Street  
Rio Linda, CA 95673

**Consultant:**  
Brusca Associates, Inc.  
PO Box 332  
Roseville, CA 95746

*Applicant shall submit a report of finding to Environmental Health Services Division within sixty days after completion of field work*

**NON TRANSFERABLE**

**THIS PERMIT IS ISSUED SUBJECT TO ALL STATE LAWS AND ORDINANCES IN THE COUNTY OF SOLANO, STATE OF CALIFORNIA, AND IS REVOCABLE FOR VIOLATION AT ANY TIME. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE APPROVED APPLICATION.**

*Call (707) 784-6765 to schedule an inspection a minimum of 24 hours prior to conducting the field work.*



September 21, 2020

5G Consulting Group, LLC  
Attention: Steve Gidaro  
401 Watt Avenue, Suite 4  
Sacramento, CA 95864

**SITE INVESTIGATION**  
**FORMER MISTLER FARM FACILITY**  
**PEDRICK ROAD PROPERTY**  
8405 Pedrick Road  
Dixon, Solano County, California  
*Brusca Reference No. 347-001*

## INTRODUCTION

In accordance with your request, our firm performed environmental investigation within the area of a former farm facility at the subject site. The farm facility (Mistler Farm) operated on the property for several decades and was razed in the early 2000s; the facility included residential structures, barns, an equipment repair garage, a sizable yard where vehicles and equipment were stored, and areas where above-ground fuel storage tanks were used. A *Phase I Environmental Site Assessment* of the property by AMEC Earth and Environmental (AMEC) in 2001 identified surface staining in various areas where chemicals, waste oils, and fuels were stored within the farm facility.<sup>1</sup> The primary purpose of the subject investigation has been to evaluate whether surface soils in the area of the farm facility contain elevated concentrations of contaminants, including petroleum hydrocarbons, metals, and pesticides. Additionally, we advanced a boring generally within the central portion of the former facility (in the area of the previous equipment repair garage) for collection of a groundwater sample for laboratory analysis. This report presents our findings.

A *Vicinity Map* and an *Aerial Photograph* showing the location of the subject site are presented as Plates 1 and 2. A *Historical Aerial Photograph* dated 1993 showing the former onsite Mistler Farm facility is presented as Plate 3. Plate 4 is a site map showing the general locations of historical onsite features/structures associated with the former Mistler Farm facility and our sampling locations. A log of the drilled boring for groundwater sampling is presented as Plate 5. Laboratory analytical data for surface soil samples collected in the area of the former farm facility are summarized on Table I, and the groundwater analytical data are summarized on Table

---

<sup>1</sup> AMEC Earth & Environmental; "Phase I Environmental Site Assessment & Operational Compliance Review, Mistler & Vaughn Agricultural Facility, 8405 Pedrick Road, Dixon, California"; April 11, 2001.



II. The laboratory reports and chain-of-custody documentation are presented in Appendix A, and drilling permit documentation is presented in Appendix B.

In addition to the farm facility investigation discussed herein, our firm recently performed environmental investigation within the area of an abandoned landfill within the far westerly portion of the former Mistler Farm facility (see Plate 4); that report is presented under separate cover.<sup>2</sup> Additionally, we are performing a *Phase I Environmental Site Assessment* of a larger property (approximately 257 acres) of which the subject property is a part; the Phase I report will be completed in the near future and will include a summary of the information contained herein.

An open regulatory case is associated with petroleum hydrocarbon contamination attributable to past use of a 10,000-gallon above ground diesel storage tank (AST) within the southerly portion of the Mistler Farm facility. That case is briefly summarized herein; however, the residual petroleum hydrocarbon conditions associated with the former diesel AST were not further evaluated by the subject investigation.

## SITE DESCRIPTION AND BACKGROUND

The former Mistler Farm property occupies an approximate seven-acre area within the far southwesterly portion of APN 111-040-010 northeasterly of Dixon in Solano County, California (see Plate 1). The property is addressed as 8405 Pedrick Road, and the area of the former farm facility is situated about 1,600 feet westerly of Pedrick Road and about 1,300 feet southerly of Interstate 80 (see Plates 1 and 2). The farm facility area is relatively flat, vacant, and bordered by irrigation ditches, beyond which are farmed areas. The former farm facility area generally is currently unused, except for occasional storage of hay. A large number of beehive boxes are situated on the far easterly portion of the former farm facility area. Site surfaces support limited volunteer vegetation, and broken concrete fragments (apparent roof tiles) are scattered across large portions of the former farm facility area (these materials likely were imported to the site in the past to serve as gravel-like surfacing during operation of the farm facility).

The general area of the subject property has been farmed since at least the early 1900s. A few small structures (residences and/or small farm buildings) were situated in the area of the Mistler Farm facility in the 1930s. By the 1970s, much of the former Mistler Farm facility had been constructed. Aerial photography from 1974 shows a sizable open pit within the far westerly portion of the facility (location of a former landfill). By the mid-1980s the equipment repair garage had been constructed, and aerial photography from 1984 indicates that much of the seven-acre facility was subject to equipment, vehicles, and materials storage. An aerial photograph showing the general layout of the facility dated 1993 is presented as Plate 4. A 2001 *Phase I Environmental Site Assessment* (discussed below) indicated that, at that time, the Mistler Farm facility included residential structures, barns, an equipment repair garage, a sizable yard where vehicles and equipment were stored, and areas where above-ground fuel storage tanks were used. The former Mistler Farm facility apparently was razed in the early 2000s, and the area has since generally been unused.

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<sup>2</sup> Brusca Associates, Inc.; "Site Investigation, Abandoned Mistler Farm Landfill, Pedrick Road Property, 8405 Pedrick Road, Dixon, Solano County, California"; September 21, 2020.



## PAST INVESTIGATIONS

### 2001 AMEC Phase I Environmental Site Assessment

A *Phase I Environmental Site Assessment* of a larger area of land (approximately 225 acres) including the former Mistler Farm facility was performed by AMEC Earth and Environmental (AMEC) in 2001. At the time of the 2001 Phase I study, the subject approximate seven-acre Mistler Farm facility included residential structures, barns, an equipment repair garage, a sizable yard where vehicles and equipment were stored, and areas where above-ground fuel storage tanks were used. The 2001 Phase I report identified a number of *recognized environmental conditions* associated with the area of the Mistler Farm facility including: surface staining in areas where fuels and waste oils may have impacted the site due to improper storage or transport; staining in the areas of onsite ASTs, including heavy staining in the area of a 10,000-gallon AST along the southerly facility margin; and, the landfill within the far westerly portion of the farm facility.

### CRA Petroleum Hydrocarbon/AST Investigations, Remediation, and NFA request

Subsequent to the 2001 Phase I study, Conestoga-Rovers & Associates (CRA) performed subsurface investigation and directed remedial soil removal in the area of the 10,000-gallon AST at the site. Additionally, groundwater monitoring wells were installed in the area of the AST and were sampled/tested over a period of time; the locations of the groundwater monitoring wells are shown on the attached Plate 4. Following the remedial and monitoring activities, CRA concluded that the limited remaining residual petroleum hydrocarbons in the subsurface attributable to historical releases from the AST did not represent a significant threat to human health or the environment. CRA prepared a *No Further Action (NFA) Request* report for the AST petroleum hydrocarbon contamination case in March 2011.<sup>3</sup> The NFA request report was submitted to the local regulatory oversight agency (the Solano County Department of Resource Management [SCDRM] Environmental Health Division) for review. Our research has not indicated that the SCDRM provided official approval of the NFA request; however, the SCDRM prepared a letter dated March 20, 2019 indicating that the SCDRM was discontinuing its site mitigation program and that active cases were being transferred to the Central Valley Regional Water Quality Control Board (CVRWQCB). Our recent discussions with the SCDRM indicate that they are following up with the CVRWQB regarding the status of the case, and that they will relay their findings in the near future. Because the case is being considered for closure, our recent surface soil sampling and limited groundwater sampling at the site discussed herein did not include further evaluation of the residual petroleum hydrocarbon associated with the 10,000-gallon AST case.

### Abandoned Landfill Investigations

As indicated above, wastes were landfilled within the far westerly portion of the former Mistler Farm facility; the approximate limits of the landfill are shown on Plate 4. In 2005, CRA performed limited subsurface investigation in the area of the abandoned landfill, and in 2015,

<sup>3</sup> Conestoga-Rovers & Associates; “No Further Action Required Request and Groundwater Monitoring Report – Third Quarter 2010”; March 2011.



Tremaine & Associates Inc. (Tremaine) prepared a *Remedial Action Plan* (RAP) for the landfill.<sup>4 5</sup> Our firm recently performed more extensive investigation in the area of the abandoned landfill, including waste, soil, groundwater, and soil gas sampling/testing. The results of our recent landfill investigation are presented under separate cover and are not addressed in this report.

## PURPOSE AND SCOPE OF WORK

As indicated above, the referenced 2001 *Phase I Environmental Site Assessment* by AMEC identified surface staining in various areas where chemicals, waste oils, and fuels were stored within the former Mistler Farm facility and identified those conditions as a *recognized environmental condition*. Our research has not identified follow up sampling to evaluate that concern, other than the mentioned investigations in the area of the former 10,000-gallon diesel AST. The primary purpose of the subject investigation has been to evaluate whether surface soils in the area of the farm facility contain elevated concentrations of contaminants, including petroleum hydrocarbons, metals, and pesticides. Additionally, we advanced a boring generally within the central portion of the former farm facility (in the area of the previous equipment repair garage) for collection of a groundwater sample for laboratory analysis.

All work was performed in accord with standard environmental protocol and was overseen by a Professional Geologist from our office. All laboratory testing was performed by a State-certified laboratory.

## INVESTIGATIVE ACTIVITIES

### Surface Soil Sampling and Laboratory Testing

On August 7, 2020 we performed surface soil sampling at 24 locations throughout the approximate seven-acre former Mistler Farm facility. The surface soil sampling locations (identified as S1 through S24) are shown on Plate 4. The surface soil sampling locations generally were selected to provide spatial coverage across the former facility and to target certain areas of potential concern (including the area of the former equipment repair garage and the reported location of former ASTs at the far easterly margin of the former facility). At each location, a soil sample was collected within the upper six inches of the soil profile. The soil samples were collected in accord with standard environmental protocol, transferred to laboratory-provided eight-ounce glass jars, and placed on ice for transport under chain-of-custody documentation to the laboratory for analysis. Each soil sample was analyzed for gasoline-, diesel-, and motor oil-range petroleum hydrocarbons by EPA Method 8015B and CAM17 metals by EPA Method 6010B/7470A. Additionally, the laboratory created a total of six, four-part composite samples from 24 total soil samples, and each composite sample was analyzed for chlorinated pesticides by EPA Method 8081A. The soil analytical results are summarized on Table I, and the laboratory report and chain-of-custody documentation are

<sup>4</sup> Conestoga-Rovers & Associates; "Soil Investigation, Mistler Property, Dixon, California"; March 17, 2005.

<sup>5</sup> Tremaine & Associates, Inc.; "Remedial Action Plan (RAP) for Mistler Farm Landfill & Refuse Area, Former Mistler Farm Property, 8405 Pedrick Road, Dixon, California"; February 2, 2015.



presented in Appendix A. Quality control/quality assurance information is included in the laboratory report.

### **Drilling and Groundwater Sampling/Testing**

We selected a location within the central portion of the former Mistler Farm facility for advancement of an exploratory boring for groundwater sampling. This boring (identified as FB) was situated within the general area of the former equipment repair garage (see Plate 4). Prior to drilling, we processed the required drilling permit with the SCDRM; drilling permit documentation is presented in Appendix B.

The exploratory boring was advanced at the site on August 11, 2020 utilizing a truck-mounted direct push drill rig by a C57-licensed drilling contractor. The boring extended to a total depth of 38 feet, and groundwater was encountered in the boring at a depth of about 37 feet. The log of Boring FB is presented on Plate 5. The boring encountered sandy silt at the surface, which was underlain by silty clay at a depth of about five feet. Below the clay deposit, the boring encountered silty sand extending to a depth of about 23 feet, below which gravelly sands were encountered extending to the maximum depth of the boring (38 feet).

Upon completion, a ¾-inch-diameter PVC temporary well was installed in the borehole and a grab groundwater sample was collected from the temporary well via tubing and fitted with a check valve. The groundwater sample was immediately transferred to appropriate laboratory-provided containers, labeled, and placed on ice for transport to the analytical laboratory under chain of custody. The collected groundwater sample was analyzed for the following:

- Gasoline-, diesel-, and motor oil-range petroleum hydrocarbons by EPA Method 8015B
- Volatile organic compounds (VOCs) by EPA Method 8260B
- Semi VOCs by EPA Method 8270C
- Polychlorinated biphenyls by EPA Method 8082
- Chlorinated pesticides by EPA Method 8081A
- Chlorinated herbicides by EPA Method 8151A
- CAM17 metals by 6010B/7470A
- pH by SM 4500
- Total dissolved solids (TDS) by SM2540C
- Nitrates by EPA Method 300.0

The laboratory report for the groundwater analyses is presented in Appendix A and the results are summarized on Table II. Quality control/quality assurance information is included in the laboratory report.

Following the exploratory drilling and groundwater sampling described above, the borehole was backfilled with neat cement grout via tremie in accord with SCDRM requirements.



## RESULTS AND DISCUSSION

### Soil Results

As shown on Table I and the appended laboratory report, several of the surface soil samples collected within the area of the former Mistler Farm facility at the subject site contained low concentrations of diesel-range petroleum hydrocarbons (ranging from 10 milligrams per kilogram [mg/kg] to 280 mg/kg) and all of the surface soil samples contained motor oil-range petroleum hydrocarbons (ranging from 17 mg/kg to 5,000 mg/kg). The specific source(s) of the generally low concentrations of petroleum hydrocarbons in surface soils at the site is undetermined. However, considering the prevalence of motor oil in surface soils across the property, it is possible that motor oil (or waste motor oil) historically was sprayed on the unpaved site surfaces for dust control (such a practice was not uncommon for farm facilities of this nature and era). None of the surface soil samples tested contained gasoline-range petroleum hydrocarbons at concentrations above the laboratory reporting limit.

As shown on Table I, all of the surface soil samples contained some of the tested metals at concentrations above the laboratory reporting limits. The vast majority of the metals concentrations detected in the soil samples are considered very low and within typical background (naturally-occurring) soils metals concentrations in the region. A notable exception is the concentration of lead detected in soil sample S6 (87 mg/kg); this concentration is considered slightly elevated with respect to background lead conditions. A few of the soil samples also contained zinc at concentrations that appear higher than typical background levels.

The four-part composite soil samples did not contain chlorinated pesticides at concentrations above the laboratory reporting limits, except that the S1-S4 and S20-S24 composite samples contained very low concentrations of DDE and the S5-S8 composite sample contained very low concentrations of chlordane, DDE and DDT (see Table I).

To evaluate the significance of the petroleum hydrocarbons, metals, and chlorinated pesticides detected in the surface soil samples for the site, we have compared the soil analytical data to Environmental Screening Levels (ESLs) published by the San Francisco Bay Regional Water Quality Control Board.<sup>6</sup> The referenced screening values are neither regulations nor clean-up standards; rather the screening levels are advisory values above which regulatory agencies suggest additional site evaluation. As such, the referenced screening values are considered conservative for use for screening-level evaluation. The ESL values for both residential and commercial/industrial sites are presented on Table I, along with the soil analytical data.

As shown on Table I, none of the petroleum hydrocarbon concentrations detected in the surface soil samples exceeds ESL values, except that the concentration of diesel-range petroleum hydrocarbons detected in sample S14 (280 mg/kg) slightly exceeds residential ESL value of 260 mg/kg. None of the metals concentrations in the soil samples exceeds the ESL values, except that the lead concentration detected in sample S6 (87 mg/kg) slightly exceeds the residential ESL value of 80 mg/kg. It is favorable that none of the petroleum hydrocarbon or metals

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<sup>6</sup> San Francisco Bay Regional Water Quality Control Board; "Environmental Screening Levels"; July 2019.



concentrations detected in the surface soil samples exceeds the commercial/industrial ESL values. Considering the very limited occurrences of slightly elevated diesel and lead in surface soils at the site, these conditions would not appear to represent a significant environmental concern, particularly if the former farm facility area is not subject to future residential redevelopment.

As shown on Table I, the detected concentrations of chlorinated pesticides in the composite surface soil samples are well below residential and commercial/industrial ESL values, and, as such, are not considered a significant environmental concern.

### **Groundwater Results**

The groundwater sample collected from Boring FB in the area of the former farm facility at the subject site was tested for a variety of potential contaminants. As shown on Table II, the groundwater sample did not contain semi-VOCs, PCBs, chlorinated herbicides, or chlorinated pesticides at concentrations above the laboratory reporting limits. The groundwater sample contained very low concentrations of the VOCs benzene and toluene (0.00058 milligrams per liter [mg/L] and 0.00059 mg/L, respectively); however these concentrations are below California drinking water Maximum Contaminant Levels (MCLs), and as such, are not considered a significant environmental concern.

The groundwater sample contained 0.65 mg/L diesel-range petroleum hydrocarbons; an MCL value is not published, although this concentration exceeds the Tier 1 ESL value for diesel (0.10 mg/L). The source of the diesel detected in groundwater is undetermined; however, it may be attributable to past activities at the former onsite equipment garage or related to the known release associated with the former 10,000-gallon diesel AST to the south of Boring FB. Considering the lack of elevated VOCs in the groundwater sample and the lack of nearby potential groundwater receptors (i.e. drinking water wells), the diesel detected in groundwater at this location would not appear to be a significant exposure risk, assuming that future drinking water wells are not installed in that area.

As shown on Table II, a low concentration of barium was detected in the groundwater sample; the detected barium concentration does not exceed the California MCL value.

Nitrates and TDS were detected in the groundwater sample at concentrations that slightly exceed California MCL values. The occurrence of elevated concentrations of nitrates and TDS in the region of the subject property is not unusual and is commonly attributable to widespread agricultural chemicals/fertilizers applications. The slightly elevated concentrations of nitrates and TDS detected in groundwater beneath the former farm facility likely would not be a significant concern, provided that future drinking water wells are not installed in that area.





## SUMMARY AND CONCLUSIONS

As described herein, our firm collected surface soil samples within the area of the farm facility at the subject site for laboratory testing to evaluate whether these soils contain elevated concentrations of contaminants, including petroleum hydrocarbons, metals, and pesticides. Additionally, we advanced a boring generally within the central portion of the former farm facility (in the area of the previous equipment repair garage) for collection of a groundwater sample for laboratory analysis. None of the surface soil samples contained elevated concentrations of petroleum hydrocarbons, metals, or chlorinated pesticides, except that one sample contained a slightly elevated concentration of diesel-range petroleum hydrocarbons and one sample contained a slightly elevated concentration of lead with respect to residential ESL values (although the detected concentrations do not exceed the commercial/industrial ESL values). Considering the very limited occurrences of slightly elevated concentrations of diesel and lead in surface soils, these conditions would not appear to represent a significant environmental concern, particularly if the former farm facility area is not subject to future residential redevelopment.

The groundwater sample collected beneath the area of the former farm facility did not contain the tested analytes at concentrations above California drinking water MCL values, except for slightly elevated concentrations of nitrates and TDS. The slightly elevated concentrations of nitrates and TDS detected in groundwater beneath the former farm facility likely would not be a significant concern, provided that future drinking water wells are not installed in that area.

The groundwater sample collected beneath the site also contained a detectible concentration of diesel-range petroleum hydrocarbons that exceeds the Tier 1 ESL value. The source of the diesel detected in groundwater is undetermined; however, it may be attributable to past activities at the former onsite equipment garage or related to the known release associated with the former 10,000-gallon diesel AST at the site. Considering the lack of elevated VOCs in the groundwater sample and the lack of nearby potential groundwater receptors (i.e. drinking water wells), the diesel detected in groundwater at this location would not appear to be a significant exposure risk, assuming that future drinking water wells are not installed in that area. Nonetheless, the full extent and nature of the diesel groundwater impact were not determined by our investigation; further assessment of the apparent diesel impact conditions could be performed if desired.



## CLOSING

If you have any questions or require additional information, please contact the undersigned at (916) 677-1470.

Sincerely,

**BRUSCA ASSOCIATES, INC.**

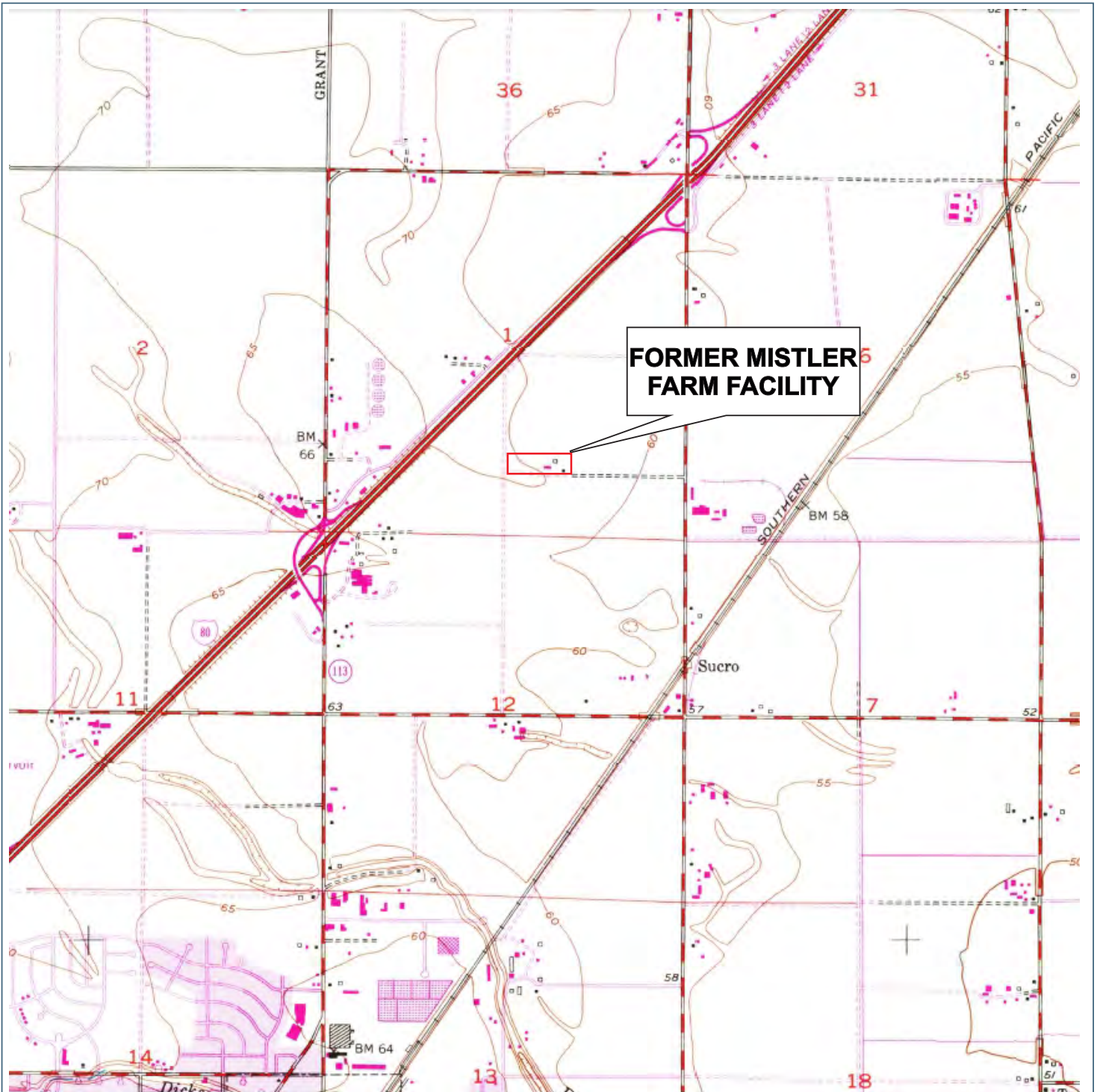
Joe Brusca  
Principal Engineering Geologist  
Certified Engineering Geologist No. 1948



Attachments: Plate 1, *Vicinity Map*  
Plate 2, *Aerial Photograph*  
Plate 3, *Historical Aerial Photograph, 1993*  
Plate 4, *Site Map*  
Plate 5, *Log of Boring FB*

Table I – Summary of Soil Analytical Data  
Table II – Summary of Groundwater Analytical Data

Appendix A - Laboratory Reports and Chain-of-Custody Documentation  
Appendix B - Drilling Permit Documentation



SOURCE: U.S.G.S. 7.5-minute Dixon Quadrangle, California, 1981  
 Scale 1:24,000



**Brusca**  
 Associates, Inc.

Environmental Engineering Geology  
 1860 Sierra Gardens Drive, # 332  
 Roseville, CA 95661  
 ph (916) 677-1470 fax (916) 677-1471  
 BruscaAssociates.com

**FORMER MISTLER FARM FACILITY**

8405 Pedrick Road  
 Dixon, California

*Brusca Project No. 347-001*

**VICINITY MAP**

PLATE 1



All features and locations are approximate only



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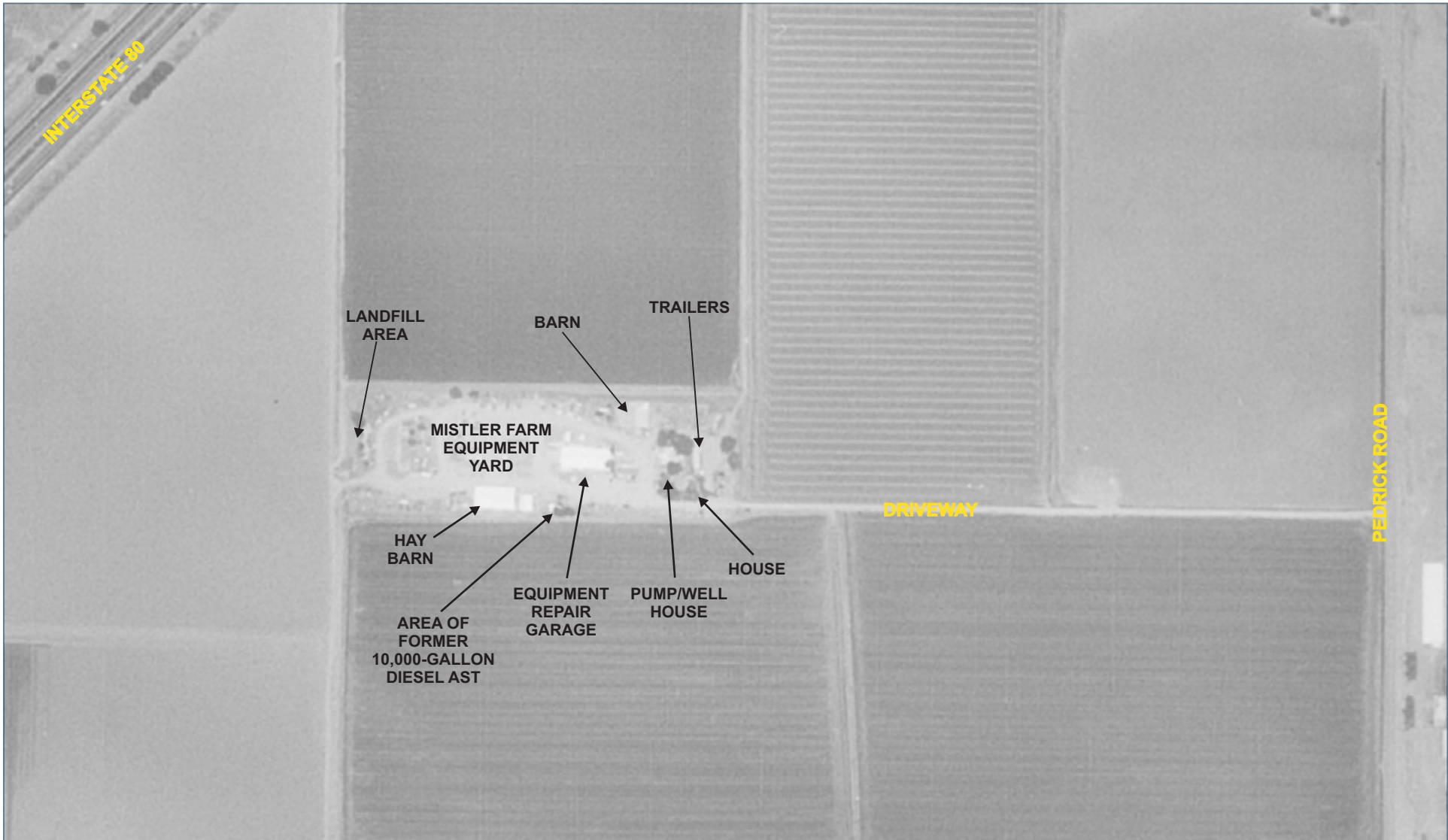
**FORMER MISTLER FARM FACILITY  
ABANDONED LANDFILL**

**8405 Pedrick Road  
Dixon, California**

**Brusca Project No. 347-001**

**AERIAL  
PHOTOGRAPH**

PLATE 2



All features and locations are approximate only



 **Brusca**  
Associates, Inc.  
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BruscaAssociates.com

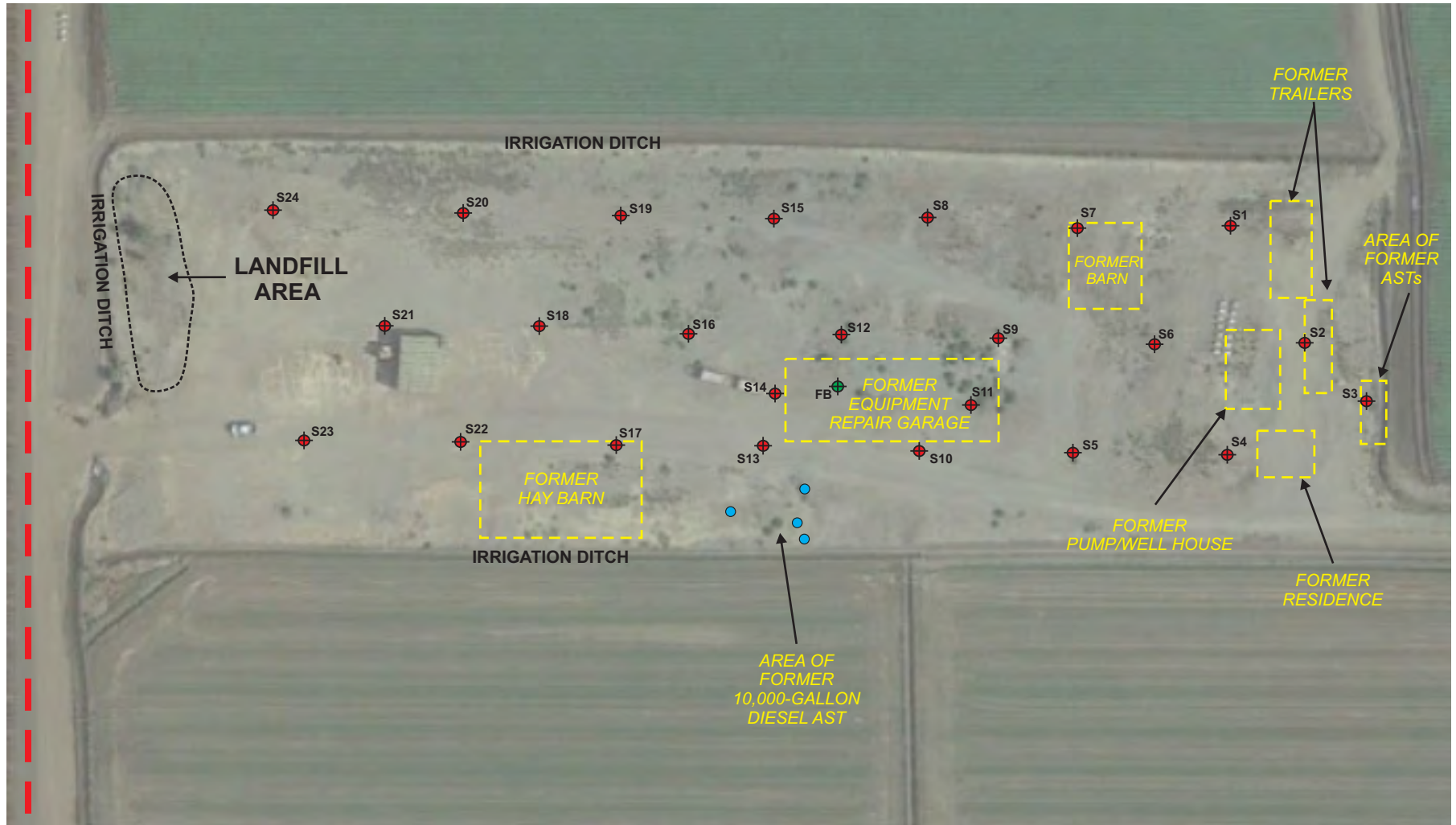
FORMER MISTLER FARM FACILITY

8405 Pedrick Road  
Dixon, California

**Brusca Project No. 347-001**

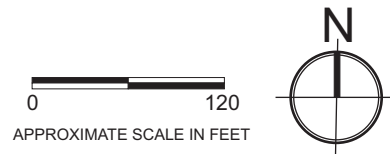
**HISTORICAL AERIAL  
PHOTOGRAPH - 1993**

PLATE 3



- - - - - Approximate boundary of subject property
- - - - - Previous farm structures/features shown in yellow
- - - - - Approximate limit of landfill
- ◆ Surface soil location
- ◆ Boring location for groundwater sampling
- Groundwater monitoring well related to AST petroleum hydrocarbon contamination case

All features and locations are approximate only



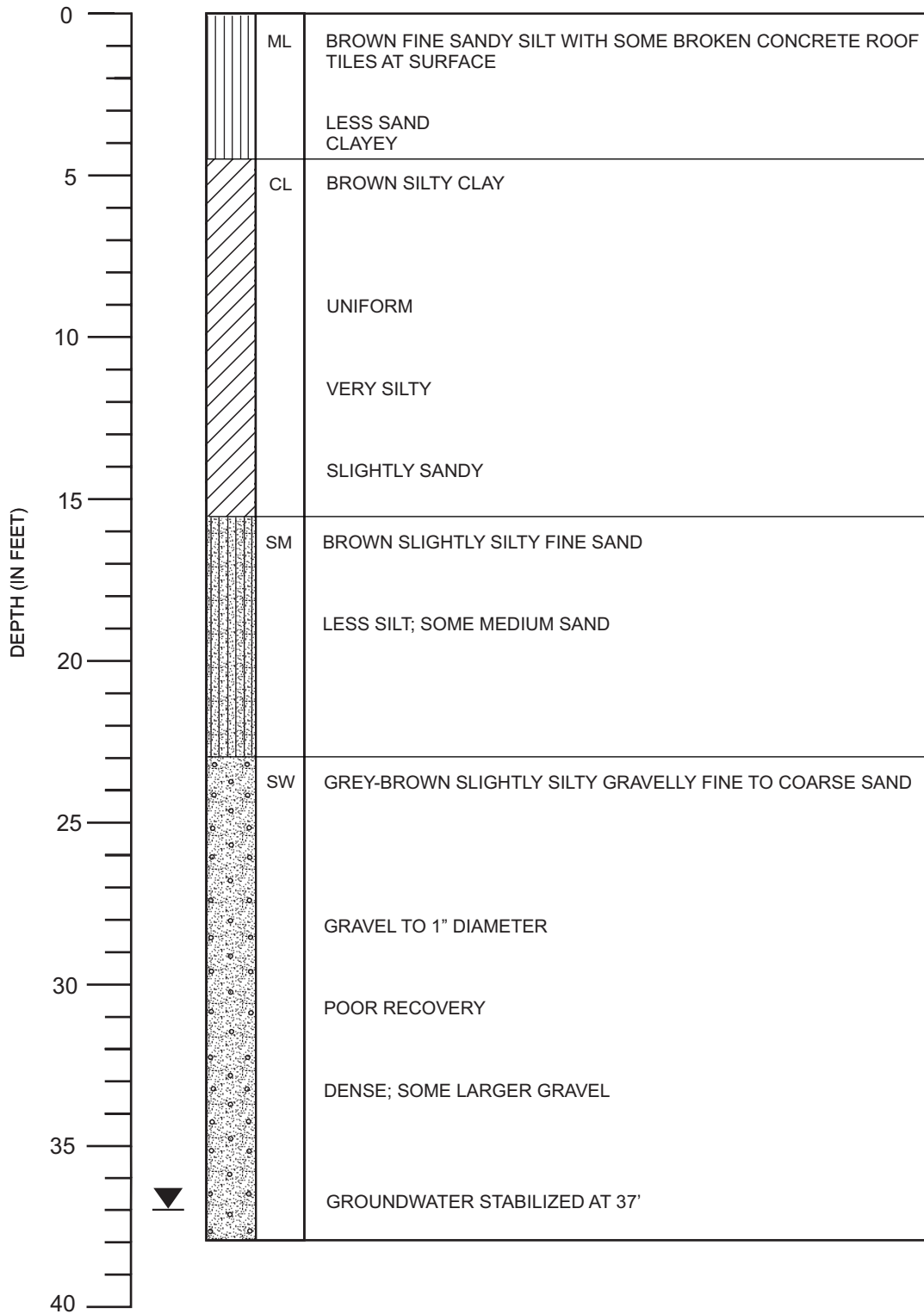

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<b>PEDRICK ROAD PROPERTY</b>
<b>8405 Pedrick Road Dixon, California</b>
<b>Brusca Project No. 347-001</b>

<b>SITE MAP - FORMER MISTLER FARM FACILITY</b>
PLATE 4

# LOG OF BORING FB

DRILLED: 8/11/20



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FORMER MISTLER FARM FACILITY

8405 Pedrick Road  
Dixon, California

Brusca Project No. 347-001

**LOG OF BORING  
FB**

PLATE 5

**TABLE I**  
**SUMMARY OF SURFACE SOIL ANALYTICAL DATA**  
**FORMER MISTLER FARM FACILITY**  
**PEDRICK ROAD PROPERTY**  
**8405 Pedrick Road, Dixon, Solano County, California**

*Brusca Project No. 347-001*

Sample ID/Location (See Plate 4)	PETROLEUM HYDROCARBONS			METALS											CHLORINATED PESTICIDES			
	Gasoline Range	Diesel Range	Motor Oil Range	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc	Mercury	Other Metals (see lab report)	Chlordane	DDE	DDT	Other Chlorinated Pesticides (see lab report)
S1	ND	ND	17	110	ND	48	12	23	9.4	99	31	74	ND	ND	NT	NT	NT	NT
S2	ND	ND	17	170	ND	30	7.4	16	14	55	22	70	ND	ND	NT	NT	NT	NT
S3	ND	19	59	150	ND	40	10	55	16	79	28	79	ND	ND	NT	NT	NT	NT
S4	ND	ND	25	130	ND	45	11	22	13	92	29	79	ND	ND	NT	NT	NT	NT
S5	ND	ND	68	83	ND	35	7.4	17	21	66	21	93	ND	ND	NT	NT	NT	NT
S6	ND	ND	74	120	ND	35	8.5	31	87	68	22	620	0.12	ND	NT	NT	NT	NT
S7	ND	ND	36	99	ND	37	9.1	19	9.9	77	24	83	0.10	ND	NT	NT	NT	NT
S8	ND	ND	76	98	ND	22	4.5	16	6.5	37	13	110	0.19	ND	NT	NT	NT	NT
S9	ND	ND	60	150	ND	42	6.3	27	8.5	49	20	41	ND	ND	NT	NT	NT	NT
S10	ND	33	210	66	4.8	35	4.9	23	13	43	34	140	ND	ND	NT	NT	NT	NT
S11	ND	77	330	84	ND	42	8.7	36	45	74	25	440	ND	ND	NT	NT	NT	NT
S12	ND	10	55	86	ND	36	7.2	22	11	64	21	140	ND	ND	NT	NT	NT	NT
S13	ND	63	150	110	ND	38	7.5	25	14	61	25	50	ND	ND	NT	NT	NT	NT
S14	ND	280	5,000	77	ND	41	7.9	24	39	68	22	190	ND	ND	NT	NT	NT	NT
S15	ND	ND	68	160	ND	29	5.1	14	8.7	43	17	69	ND	ND	NT	NT	NT	NT
S16	ND	ND	110	120	ND	42	10	18	3.9	89	27	35	ND	ND	NT	NT	NT	NT
S17	ND	110	150	78	ND	33	6.0	18	5.3	40	22	33	ND	ND	NT	NT	NT	NT
S18	ND	ND	40	83	ND	39	8.5	19	6.3	80	26	45	ND	ND	NT	NT	NT	NT
S19	ND	ND	68	59	ND	28	5.3	12	6.5	50	18	35	ND	ND	NT	NT	NT	NT
S20	ND	ND	66	66	ND	27	5.7	19	5.6	46	19	42	ND	ND	NT	NT	NT	NT
S21	ND	13	150	100	ND	54	13	23	5.4	110	31	49	ND	ND	NT	NT	NT	NT
S22	ND	ND	31	100	ND	48	11	21	10	100	31	52	0.14	ND	NT	NT	NT	NT
S23	ND	ND	31	130	ND	47	7.7	19	32	70	27	40	ND	ND	NT	NT	NT	NT
S24	ND	ND	18	76	ND	37	8.6	31	8.4	74	25	36	ND	ND	NT	NT	NT	NT
Composite (S1-S4)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.03	ND	ND
Composite (S5-S8)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.016	0.23	0.013	ND
Composite (S9-S12)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
Composite (S13-S16)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
Composite (S17-S20)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	ND	ND
Composite (S20-S24)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	ND	0.028	ND	ND
<b>SCREENING LEVELS</b>																		
ESLs, residential <sup>4</sup>	430	260	12,000	15,000	78	120,000	23	3,100	80	820	390	23,000	13		0.48	1.8	1.9	
ESLs, Commercial/Industrial <sup>4</sup>	2,000	1,200	180,000	220,000	1,100	1,800,000	350	47,000	320	11,000	5,800	350,000	190		2.2	8.3	8.5	

- Notes: 1. All concentrations expressed in milligrams per kilogram (mg/kg)  
2. ND = Not detected at a concentration above the laboratory reporting limit  
3. NT = Not tested.  
4. SFRWQCB Environmental Screening Levels; shallow soil exposure; July 2019  
5. Concentrations in red exceed the residential ESL value



**TABLE II**  
**SUMMARY OF GROUNDWATER ANALYTICAL DATA**  
**FORMER MISTLER FARM FACILITY**  
**PEDRICK ROAD PROPERTY**  
**8405 Pedrick Road, Dixon, Solano County, California**

*Brusca Project No. 347-001*

Sample ID	Location (See Plate 4)	Depth (feet)	PETROLEUM HYDROCARBONS			VOLATILE ORGANIC COMPOUNDS (VOCs)				POLYCHLORINATED BIPHENYLS	pH	NITRATES (as NO <sub>3</sub> )	TOTAL DISSOLVED SOLIDS	CHLORINATED HERBICIDES	CHLORINATED PESTICIDES	METALS	
			Gasoline Range	Diesel Range	Motor Oil Range	Benzene	Toluene	Other VOCs (see lab report)	SEMI-VOCs							Barium	Other Metals (see lab report)
FB-W	FB	37	ND	0.65	ND	0.00058	0.00059	ND	ND	ND	7.3	57.2	540	ND	ND	0.14	ND
<b>SCREENING LEVELS</b>																	
<b>MCLs<sup>3</sup></b>			N/A	N/A	N/A	0.001	0.15					45	500			1.0	

Notes:

1. All concentrations expressed in milligrams per liter (mg/L)
2. ND = Not detected at a concentration above the laboratory reporting limit
3. California Maximum Contaminant Level (MCL)
4. N/A = level not established

# APPENDIX A

---

## **- Laboratory Reports and Chain-of-Custody Documentation**



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

17 August 2020

Joe Brusca  
Brusca Associates Inc.  
PO Box 332  
Roseville, CA 95661  
RE: Pedrick Road Property

Enclosed are the results of analyses for samples received by the laboratory on 08/08/20 10:27. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Jaroudi  
Project Manager



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

**Reported:**  
 08/17/20 14:50

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S1	T202980-01	Soil	08/07/20 00:00	08/08/20 10:27
S2	T202980-02	Soil	08/07/20 00:00	08/08/20 10:27
S3	T202980-03	Soil	08/07/20 00:00	08/08/20 10:27
S4	T202980-04	Soil	08/07/20 00:00	08/08/20 10:27
S5	T202980-05	Soil	08/07/20 00:00	08/08/20 10:27
S6	T202980-06	Soil	08/07/20 00:00	08/08/20 10:27
S7	T202980-07	Soil	08/07/20 00:00	08/08/20 10:27
S8	T202980-08	Soil	08/07/20 00:00	08/08/20 10:27
S9	T202980-09	Soil	08/07/20 00:00	08/08/20 10:27
S10	T202980-10	Soil	08/07/20 00:00	08/08/20 10:27
S11	T202980-11	Soil	08/07/20 00:00	08/08/20 10:27
S12	T202980-12	Soil	08/07/20 00:00	08/08/20 10:27
S13	T202980-13	Soil	08/07/20 00:00	08/08/20 10:27
S14	T202980-14	Soil	08/07/20 00:00	08/08/20 10:27
S15	T202980-15	Soil	08/07/20 00:00	08/08/20 10:27
S16	T202980-16	Soil	08/07/20 00:00	08/08/20 10:27
S17	T202980-17	Soil	08/07/20 00:00	08/08/20 10:27
S18	T202980-18	Soil	08/07/20 00:00	08/08/20 10:27
S19	T202980-19	Soil	08/07/20 00:00	08/08/20 10:27
S20	T202980-20	Soil	08/07/20 00:00	08/08/20 10:27
S21	T202980-21	Soil	08/07/20 00:00	08/08/20 10:27
S22	T202980-22	Soil	08/07/20 00:00	08/08/20 10:27
S23	T202980-23	Soil	08/07/20 00:00	08/08/20 10:27
S24	T202980-24	Soil	08/07/20 00:00	08/08/20 10:27
Composite (S1-S4)	T202980-25	Soil	08/07/20 00:00	08/08/20 10:27
Composite (S5-S8)	T202980-26	Soil	08/07/20 00:00	08/08/20 10:27

SunStar Laboratories, Inc.

*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.*

Mike Jaroudi, Project Manager



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	<b>Reported:</b> 08/17/20 14:50
---	--	------------------------------------

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Composite (S9-S12)	T202980-27	Soil	08/07/20 00:00	08/08/20 10:27
Composite (S13-S16)	T202980-28	Soil	08/07/20 00:00	08/08/20 10:27
Composite (S17-S20)	T202980-29	Soil	08/07/20 00:00	08/08/20 10:27
Composite (S21-S24)	T202980-30	Soil	08/07/20 00:00	08/08/20 10:27

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/17/20 14:50

### DETECTIONS SUMMARY

**Sample ID:** S1 **Laboratory ID:** T202980-01

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	17	10		mg/kg	EPA 8015B	
Barium	110	1.0		mg/kg	EPA 6010b	
Chromium	48	2.0		mg/kg	EPA 6010b	
Cobalt	12	2.0		mg/kg	EPA 6010b	
Copper	23	1.0		mg/kg	EPA 6010b	
Lead	9.4	3.0		mg/kg	EPA 6010b	
Nickel	99	2.0		mg/kg	EPA 6010b	
Vanadium	31	5.0		mg/kg	EPA 6010b	
Zinc	74	1.0		mg/kg	EPA 6010b	

**Sample ID:** S2 **Laboratory ID:** T202980-02

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	17	10		mg/kg	EPA 8015B	
Barium	170	1.0		mg/kg	EPA 6010b	
Chromium	30	2.0		mg/kg	EPA 6010b	
Cobalt	7.4	2.0		mg/kg	EPA 6010b	
Copper	16	1.0		mg/kg	EPA 6010b	
Lead	14	3.0		mg/kg	EPA 6010b	
Nickel	55	2.0		mg/kg	EPA 6010b	
Vanadium	22	5.0		mg/kg	EPA 6010b	
Zinc	70	1.0		mg/kg	EPA 6010b	

**Sample ID:** S3 **Laboratory ID:** T202980-03

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	19	10		mg/kg	EPA 8015B	
C29-C40 (MORO)	59	10		mg/kg	EPA 8015B	
Barium	150	1.0		mg/kg	EPA 6010b	
Chromium	40	2.0		mg/kg	EPA 6010b	
Cobalt	10	2.0		mg/kg	EPA 6010b	

SunStar Laboratories, Inc.



*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.*

Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/17/20 14:50

Sample ID: S3

Laboratory ID: T202980-03

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Copper	55	1.0		mg/kg	EPA 6010b	
Lead	16	3.0		mg/kg	EPA 6010b	
Nickel	79	2.0		mg/kg	EPA 6010b	
Vanadium	28	5.0		mg/kg	EPA 6010b	
Zinc	79	1.0		mg/kg	EPA 6010b	

Sample ID: S4

Laboratory ID: T202980-04

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	25	10		mg/kg	EPA 8015B	
Barium	130	1.0		mg/kg	EPA 6010b	
Chromium	45	2.0		mg/kg	EPA 6010b	
Cobalt	11	2.0		mg/kg	EPA 6010b	
Copper	22	1.0		mg/kg	EPA 6010b	
Lead	13	3.0		mg/kg	EPA 6010b	
Nickel	92	2.0		mg/kg	EPA 6010b	
Vanadium	29	5.0		mg/kg	EPA 6010b	
Zinc	79	1.0		mg/kg	EPA 6010b	

Sample ID: S5

Laboratory ID: T202980-05

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	68	10		mg/kg	EPA 8015B	
Barium	83	1.0		mg/kg	EPA 6010b	
Chromium	35	2.0		mg/kg	EPA 6010b	
Cobalt	7.4	2.0		mg/kg	EPA 6010b	
Copper	17	1.0		mg/kg	EPA 6010b	
Lead	21	3.0		mg/kg	EPA 6010b	
Nickel	66	2.0		mg/kg	EPA 6010b	
Vanadium	21	5.0		mg/kg	EPA 6010b	
Zinc	93	1.0		mg/kg	EPA 6010b	

SunStar Laboratories, Inc.



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.

Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/17/20 14:50

**Sample ID:** S6

**Laboratory ID:** T202980-06

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	74	10		mg/kg	EPA 8015B	
Barium	120	1.0		mg/kg	EPA 6010b	
Chromium	35	2.0		mg/kg	EPA 6010b	
Cobalt	8.5	2.0		mg/kg	EPA 6010b	
Copper	31	1.0		mg/kg	EPA 6010b	
Lead	87	3.0		mg/kg	EPA 6010b	
Nickel	68	2.0		mg/kg	EPA 6010b	
Vanadium	22	5.0		mg/kg	EPA 6010b	
Zinc	620	1.0		mg/kg	EPA 6010b	
Mercury	0.12	0.10		mg/kg	EPA 7471A Soil	

**Sample ID:** S7

**Laboratory ID:** T202980-07

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	36	10		mg/kg	EPA 8015B	
Barium	99	1.0		mg/kg	EPA 6010b	
Chromium	37	2.0		mg/kg	EPA 6010b	
Cobalt	9.1	2.0		mg/kg	EPA 6010b	
Copper	19	1.0		mg/kg	EPA 6010b	
Lead	9.9	3.0		mg/kg	EPA 6010b	
Nickel	77	2.0		mg/kg	EPA 6010b	
Vanadium	24	5.0		mg/kg	EPA 6010b	
Zinc	83	1.0		mg/kg	EPA 6010b	
Mercury	0.10	0.10		mg/kg	EPA 7471A Soil	

**Sample ID:** S8

**Laboratory ID:** T202980-08

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	76	10		mg/kg	EPA 8015B	
Barium	98	1.0		mg/kg	EPA 6010b	
Chromium	22	2.0		mg/kg	EPA 6010b	
Cobalt	4.5	2.0		mg/kg	EPA 6010b	
Copper	16	1.0		mg/kg	EPA 6010b	
Lead	6.5	3.0		mg/kg	EPA 6010b	
Nickel	37	2.0		mg/kg	EPA 6010b	

SunStar Laboratories, Inc.



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Mike Jaroudi, Project Manager



Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/17/20 14:50

**Sample ID:** S8 **Laboratory ID:** T202980-08

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Vanadium	13	5.0		mg/kg	EPA 6010b	
Zinc	110	1.0		mg/kg	EPA 6010b	
Mercury	0.19	0.10		mg/kg	EPA 7471A Soil	

**Sample ID:** S9 **Laboratory ID:** T202980-09

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	60	10		mg/kg	EPA 8015B	
Barium	150	1.0		mg/kg	EPA 6010b	
Chromium	42	2.0		mg/kg	EPA 6010b	
Cobalt	6.3	2.0		mg/kg	EPA 6010b	
Copper	27	1.0		mg/kg	EPA 6010b	
Lead	8.5	3.0		mg/kg	EPA 6010b	
Nickel	49	2.0		mg/kg	EPA 6010b	
Vanadium	20	5.0		mg/kg	EPA 6010b	
Zinc	41	1.0		mg/kg	EPA 6010b	

**Sample ID:** S10 **Laboratory ID:** T202980-10

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	33	10		mg/kg	EPA 8015B	
C29-C40 (MORO)	210	10		mg/kg	EPA 8015B	
Barium	66	1.0		mg/kg	EPA 6010b	
Cadmium	4.8	2.0		mg/kg	EPA 6010b	
Chromium	35	2.0		mg/kg	EPA 6010b	
Cobalt	4.9	2.0		mg/kg	EPA 6010b	
Copper	23	1.0		mg/kg	EPA 6010b	
Lead	13	3.0		mg/kg	EPA 6010b	
Nickel	43	2.0		mg/kg	EPA 6010b	
Vanadium	34	5.0		mg/kg	EPA 6010b	
Zinc	140	1.0		mg/kg	EPA 6010b	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/17/20 14:50

**Sample ID:** S11

**Laboratory ID:** T202980-11

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	77	10		mg/kg	EPA 8015B	
C29-C40 (MORO)	330	10		mg/kg	EPA 8015B	
Barium	84	1.0		mg/kg	EPA 6010b	
Chromium	42	2.0		mg/kg	EPA 6010b	
Cobalt	8.7	2.0		mg/kg	EPA 6010b	
Copper	36	1.0		mg/kg	EPA 6010b	
Lead	45	3.0		mg/kg	EPA 6010b	
Nickel	74	2.0		mg/kg	EPA 6010b	
Vanadium	25	5.0		mg/kg	EPA 6010b	
Zinc	440	1.0		mg/kg	EPA 6010b	

**Sample ID:** S12

**Laboratory ID:** T202980-12

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	10	10		mg/kg	EPA 8015B	
C29-C40 (MORO)	55	10		mg/kg	EPA 8015B	
Barium	86	1.0		mg/kg	EPA 6010b	
Chromium	36	2.0		mg/kg	EPA 6010b	
Cobalt	7.2	2.0		mg/kg	EPA 6010b	
Copper	22	1.0		mg/kg	EPA 6010b	
Lead	11	3.0		mg/kg	EPA 6010b	
Nickel	64	2.0		mg/kg	EPA 6010b	
Vanadium	21	5.0		mg/kg	EPA 6010b	
Zinc	140	1.0		mg/kg	EPA 6010b	

**Sample ID:** S13

**Laboratory ID:** T202980-13

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	63	10		mg/kg	EPA 8015B	
C29-C40 (MORO)	150	10		mg/kg	EPA 8015B	
Barium	110	1.0		mg/kg	EPA 6010b	
Chromium	38	2.0		mg/kg	EPA 6010b	
Cobalt	7.5	2.0		mg/kg	EPA 6010b	
Copper	25	1.0		mg/kg	EPA 6010b	
Lead	14	3.0		mg/kg	EPA 6010b	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/17/20 14:50

**Sample ID:** S13 **Laboratory ID:** T202980-13

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Nickel	61	2.0		mg/kg	EPA 6010b	
Vanadium	25	5.0		mg/kg	EPA 6010b	
Zinc	50	1.0		mg/kg	EPA 6010b	

**Sample ID:** S14 **Laboratory ID:** T202980-14

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	280	10		mg/kg	EPA 8015B	
C29-C40 (MORO)	5000	10		mg/kg	EPA 8015B	
Barium	77	1.0		mg/kg	EPA 6010b	
Chromium	41	2.0		mg/kg	EPA 6010b	
Cobalt	7.9	2.0		mg/kg	EPA 6010b	
Copper	24	1.0		mg/kg	EPA 6010b	
Lead	39	3.0		mg/kg	EPA 6010b	
Nickel	68	2.0		mg/kg	EPA 6010b	
Vanadium	22	5.0		mg/kg	EPA 6010b	
Zinc	190	1.0		mg/kg	EPA 6010b	

**Sample ID:** S15 **Laboratory ID:** T202980-15

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	68	10		mg/kg	EPA 8015B	
Barium	160	1.0		mg/kg	EPA 6010b	
Chromium	29	2.0		mg/kg	EPA 6010b	
Cobalt	5.1	2.0		mg/kg	EPA 6010b	
Copper	14	1.0		mg/kg	EPA 6010b	
Lead	8.7	3.0		mg/kg	EPA 6010b	
Nickel	43	2.0		mg/kg	EPA 6010b	
Vanadium	17	5.0		mg/kg	EPA 6010b	
Zinc	69	1.0		mg/kg	EPA 6010b	

**Sample ID:** S16 **Laboratory ID:** T202980-16

Analyte	Result	Reporting		Units	Method	Notes
		Limit				

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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/17/20 14:50

**Sample ID:** S16 **Laboratory ID:** T202980-16

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	110	10		mg/kg	EPA 8015B	
Barium	120	1.0		mg/kg	EPA 6010b	
Chromium	42	2.0		mg/kg	EPA 6010b	
Cobalt	10	2.0		mg/kg	EPA 6010b	
Copper	18	1.0		mg/kg	EPA 6010b	
Lead	3.9	3.0		mg/kg	EPA 6010b	
Nickel	89	2.0		mg/kg	EPA 6010b	
Vanadium	27	5.0		mg/kg	EPA 6010b	
Zinc	35	1.0		mg/kg	EPA 6010b	

**Sample ID:** S17 **Laboratory ID:** T202980-17

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	110	10		mg/kg	EPA 8015B	
C29-C40 (MORO)	150	10		mg/kg	EPA 8015B	
Barium	78	1.0		mg/kg	EPA 6010b	
Chromium	33	2.0		mg/kg	EPA 6010b	
Cobalt	6.0	2.0		mg/kg	EPA 6010b	
Copper	18	1.0		mg/kg	EPA 6010b	
Lead	5.3	3.0		mg/kg	EPA 6010b	
Nickel	40	2.0		mg/kg	EPA 6010b	
Vanadium	22	5.0		mg/kg	EPA 6010b	
Zinc	33	1.0		mg/kg	EPA 6010b	

**Sample ID:** S18 **Laboratory ID:** T202980-18

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	40	10		mg/kg	EPA 8015B	
Barium	83	1.0		mg/kg	EPA 6010b	
Chromium	39	2.0		mg/kg	EPA 6010b	
Cobalt	8.5	2.0		mg/kg	EPA 6010b	
Copper	19	1.0		mg/kg	EPA 6010b	
Lead	6.3	3.0		mg/kg	EPA 6010b	
Nickel	80	2.0		mg/kg	EPA 6010b	
Vanadium	26	5.0		mg/kg	EPA 6010b	

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Mike Jaroudi, Project Manager

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PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/17/20 14:50

**Sample ID:** S18

**Laboratory ID:** T202980-18

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Zinc	45	1.0		mg/kg	EPA 6010b	

**Sample ID:** S19

**Laboratory ID:** T202980-19

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	68	10		mg/kg	EPA 8015B	
Barium	59	1.0		mg/kg	EPA 6010b	
Chromium	28	2.0		mg/kg	EPA 6010b	
Cobalt	5.3	2.0		mg/kg	EPA 6010b	
Copper	12	1.0		mg/kg	EPA 6010b	
Lead	6.5	3.0		mg/kg	EPA 6010b	
Nickel	50	2.0		mg/kg	EPA 6010b	
Vanadium	18	5.0		mg/kg	EPA 6010b	
Zinc	35	1.0		mg/kg	EPA 6010b	

**Sample ID:** S20

**Laboratory ID:** T202980-20

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	66	10		mg/kg	EPA 8015B	
Barium	66	1.0		mg/kg	EPA 6010b	
Chromium	27	2.0		mg/kg	EPA 6010b	
Cobalt	5.7	2.0		mg/kg	EPA 6010b	
Copper	19	1.0		mg/kg	EPA 6010b	
Lead	5.6	3.0		mg/kg	EPA 6010b	
Nickel	46	2.0		mg/kg	EPA 6010b	
Vanadium	19	5.0		mg/kg	EPA 6010b	
Zinc	42	1.0		mg/kg	EPA 6010b	

**Sample ID:** S21

**Laboratory ID:** T202980-21

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	13	10		mg/kg	EPA 8015B	
C29-C40 (MORO)	150	10		mg/kg	EPA 8015B	
Barium	100	1.0		mg/kg	EPA 6010b	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/17/20 14:50

Sample ID: S21

Laboratory ID: T202980-21

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Chromium	54	2.0		mg/kg	EPA 6010b	
Cobalt	13	2.0		mg/kg	EPA 6010b	
Copper	23	1.0		mg/kg	EPA 6010b	
Lead	5.4	3.0		mg/kg	EPA 6010b	
Nickel	110	2.0		mg/kg	EPA 6010b	
Vanadium	31	5.0		mg/kg	EPA 6010b	
Zinc	49	1.0		mg/kg	EPA 6010b	

Sample ID: S22

Laboratory ID: T202980-22

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	31	10		mg/kg	EPA 8015B	
Barium	100	1.0		mg/kg	EPA 6010b	
Chromium	48	2.0		mg/kg	EPA 6010b	
Cobalt	11	2.0		mg/kg	EPA 6010b	
Copper	21	1.0		mg/kg	EPA 6010b	
Lead	10	3.0		mg/kg	EPA 6010b	
Nickel	100	2.0		mg/kg	EPA 6010b	
Vanadium	31	5.0		mg/kg	EPA 6010b	
Zinc	52	1.0		mg/kg	EPA 6010b	
Mercury	0.14	0.10		mg/kg	EPA 7471A Soil	

Sample ID: S23

Laboratory ID: T202980-23

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	31	10		mg/kg	EPA 8015B	
Barium	130	1.0		mg/kg	EPA 6010b	
Chromium	47	2.0		mg/kg	EPA 6010b	
Cobalt	7.7	2.0		mg/kg	EPA 6010b	
Copper	19	1.0		mg/kg	EPA 6010b	
Lead	32	3.0		mg/kg	EPA 6010b	
Nickel	70	2.0		mg/kg	EPA 6010b	
Vanadium	27	5.0		mg/kg	EPA 6010b	
Zinc	40	1.0		mg/kg	EPA 6010b	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/17/20 14:50

**Sample ID:** S24

**Laboratory ID:** T202980-24

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C29-C40 (MORO)	18	10		mg/kg	EPA 8015B	
Barium	76	1.0		mg/kg	EPA 6010b	
Chromium	37	2.0		mg/kg	EPA 6010b	
Cobalt	8.6	2.0		mg/kg	EPA 6010b	
Copper	31	1.0		mg/kg	EPA 6010b	
Lead	8.4	3.0		mg/kg	EPA 6010b	
Nickel	74	2.0		mg/kg	EPA 6010b	
Vanadium	25	5.0		mg/kg	EPA 6010b	
Zinc	36	1.0		mg/kg	EPA 6010b	

**Sample ID:** Composite (S1-S4)

**Laboratory ID:** T202980-25

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
4,4'-DDE	30	5.0		ug/kg	EPA 8081A	

**Sample ID:** Composite (S5-S8)

**Laboratory ID:** T202980-26

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
gamma-Chlordane	8.7	5.0		ug/kg	EPA 8081A	
alpha-Chlordane	6.9	5.0		ug/kg	EPA 8081A	
4,4'-DDE	230	50		ug/kg	EPA 8081A	
4,4'-DDT	13	5.0		ug/kg	EPA 8081A	

**Sample ID:** Composite (S9-S12)

**Laboratory ID:** T202980-27

No Results Detected

**Sample ID:** Composite (S13-S16)

**Laboratory ID:** T202980-28

No Results Detected

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/17/20 14:50
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**Sample ID:** Composite (S17-S20)

**Laboratory ID:** T202980-29

No Results Detected

**Sample ID:** Composite (S21-S24)

**Laboratory ID:** T202980-30

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
4,4'-DDE	28	5.0		ug/kg	EPA 8081A	

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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/17/20 14:50
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**S1**  
**T202980-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>17</b>	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		76.4 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>110</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>48</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>12</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>23</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>9.4</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>99</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>31</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>74</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/17/20 14:50

**S2**  
**T202980-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>17</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		75.6 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	08/13/20	"	
Arsenic	ND	5.0	"	"	"	"	08/13/20	"	
<b>Barium</b>	<b>170</b>	1.0	"	"	"	"	08/13/20	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>30</b>	2.0	"	"	"	"	08/13/20	"	
<b>Cobalt</b>	<b>7.4</b>	2.0	"	"	"	"	08/13/20	"	
<b>Copper</b>	<b>16</b>	1.0	"	"	"	"	08/13/20	"	
<b>Lead</b>	<b>14</b>	3.0	"	"	"	"	08/13/20	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>55</b>	2.0	"	"	"	"	08/13/20	"	
Selenium	ND	5.0	"	"	"	"	08/13/20	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>22</b>	5.0	"	"	"	"	08/13/20	"	
<b>Zinc</b>	<b>70</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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**S3**  
**T202980-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
<b>C13-C28 (DRO)</b>	<b>19</b>	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>59</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>90.0 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>150</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	08/13/20	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>40</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>10</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>55</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>16</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>79</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>28</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>79</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/17/20 14:50
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**S4**  
**T202980-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>25</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		77.8 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>130</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>45</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>11</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>22</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>13</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>92</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>29</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>79</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/17/20 14:50

**S5**  
**T202980-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>68</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		93.4 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>83</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>35</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>7.4</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>17</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>21</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>66</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>21</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>93</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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**S6**  
**T202980-06 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>74</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		83.3 %		65-135	"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	08/13/20	"	
Arsenic	ND	5.0	"	"	"	"	08/13/20	"	
<b>Barium</b>	<b>120</b>	1.0	"	"	"	"	08/13/20	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>35</b>	2.0	"	"	"	"	08/13/20	"	
<b>Cobalt</b>	<b>8.5</b>	2.0	"	"	"	"	08/13/20	"	
<b>Copper</b>	<b>31</b>	1.0	"	"	"	"	08/13/20	"	
<b>Lead</b>	<b>87</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	08/13/20	"	
<b>Nickel</b>	<b>68</b>	2.0	"	"	"	"	08/13/20	"	
Selenium	ND	5.0	"	"	"	"	08/13/20	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>22</b>	5.0	"	"	"	"	08/13/20	"	
<b>Zinc</b>	<b>620</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	<b>0.12</b>	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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**S7**  
**T202980-07 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>36</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		81.4 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>99</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	08/13/20	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>37</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>9.1</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>19</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>9.9</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>77</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>24</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>83</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	<b>0.10</b>	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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**S8**  
**T202980-08 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>76</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		91.3 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>98</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	08/13/20	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>22</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>4.5</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>16</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>6.5</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>37</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>13</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>110</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	<b>0.19</b>	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/17/20 14:50
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**S9**  
**T202980-09 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>60</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		94.6 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>150</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>42</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>6.3</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>27</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>8.5</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>49</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>20</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>41</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/17/20 14:50
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**S10**  
**T202980-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
<b>C13-C28 (DRO)</b>	<b>33</b>	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>210</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		88.1 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>66</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	5.0	"	5	"	"	08/17/20	"	R-01
<b>Cadmium</b>	<b>4.8</b>	2.0	"	1	"	"	08/13/20	"	
<b>Chromium</b>	<b>35</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>4.9</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>23</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>13</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>43</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>34</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>140</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/17/20 14:50
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**S11**  
**T202980-11 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
<b>C13-C28 (DRO)</b>	<b>77</b>	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>330</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>91.5 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	08/13/20	"	
Arsenic	ND	5.0	"	"	"	"	08/13/20	"	
<b>Barium</b>	<b>84</b>	1.0	"	"	"	"	08/13/20	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>42</b>	2.0	"	"	"	"	08/13/20	"	
<b>Cobalt</b>	<b>8.7</b>	2.0	"	"	"	"	08/13/20	"	
<b>Copper</b>	<b>36</b>	1.0	"	"	"	"	08/13/20	"	
<b>Lead</b>	<b>45</b>	3.0	"	"	"	"	08/13/20	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>74</b>	2.0	"	"	"	"	08/13/20	"	
Selenium	ND	5.0	"	"	"	"	08/13/20	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>25</b>	5.0	"	"	"	"	08/13/20	"	
<b>Zinc</b>	<b>440</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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**S12**  
**T202980-12 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
<b>C13-C28 (DRO)</b>	<b>10</b>	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>55</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>94.9 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>86</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	08/13/20	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>36</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>7.2</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>22</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>11</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>64</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>21</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>140</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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**S13**  
**T202980-13 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/10/20	EPA 8015B	
<b>C13-C28 (DRO)</b>	<b>63</b>	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>150</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		<i>94.9 %</i>	<i>65-135</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>110</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	08/13/20	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>38</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>7.5</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>25</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>14</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>61</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>25</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>50</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/17/20 14:50

**S14**  
**T202980-14 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/11/20	EPA 8015B	
<b>C13-C28 (DRO)</b>	<b>280</b>	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>5000</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		92.9 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>77</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>41</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>7.9</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>24</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>39</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>68</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>22</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>190</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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**S15**  
**T202980-15 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/11/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>68</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		91.1 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>160</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>29</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>5.1</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>14</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>8.7</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>43</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>17</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>69</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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**S16**  
**T202980-16 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/11/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>110</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		81.0 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>120</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	08/13/20	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>42</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>10</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>18</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>3.9</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>89</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>27</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>35</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/17/20 14:50
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**S17**  
**T202980-17 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/11/20	EPA 8015B	
<b>C13-C28 (DRO)</b>	<b>110</b>	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>150</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		89.2 %		65-135	"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>78</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	08/13/20	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>33</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>6.0</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>18</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>5.3</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>40</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>22</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>33</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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**S18**  
**T202980-18 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/11/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>40</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		90.1 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>83</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>39</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>8.5</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>19</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>6.3</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>80</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>26</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>45</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/17/20 14:50
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**S19**  
**T202980-19 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/11/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>68</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		91.8 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>59</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>28</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>5.3</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>12</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>6.5</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>50</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>18</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>35</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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**S20**  
**T202980-20 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081019	08/10/20	08/11/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>66</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		88.9 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081026	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	08/13/20	"	
Arsenic	ND	5.0	"	"	"	"	08/13/20	"	
<b>Barium</b>	<b>66</b>	1.0	"	"	"	"	08/13/20	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>27</b>	2.0	"	"	"	"	08/13/20	"	
<b>Cobalt</b>	<b>5.7</b>	2.0	"	"	"	"	08/13/20	"	
<b>Copper</b>	<b>19</b>	1.0	"	"	"	"	08/13/20	"	
<b>Lead</b>	<b>5.6</b>	3.0	"	"	"	"	08/13/20	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>46</b>	2.0	"	"	"	"	08/13/20	"	
Selenium	ND	5.0	"	"	"	"	08/13/20	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>19</b>	5.0	"	"	"	"	08/13/20	"	
<b>Zinc</b>	<b>42</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081025	08/10/20	08/12/20	EPA 7471A Soil	
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**S21**  
**T202980-21 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081119	08/11/20	08/11/20	EPA 8015B	
<b>C13-C28 (DRO)</b>	<b>13</b>	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>150</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		89.1 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081029	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>100</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	08/13/20	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>54</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>13</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>23</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>5.4</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>110</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>31</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>49</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081030	08/10/20	08/13/20	EPA 7471A Soil	
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**S22**  
**T202980-22 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081119	08/11/20	08/11/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>31</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		67.0 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081029	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>100</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>48</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>11</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>21</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>10</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>100</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>31</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>52</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	<b>0.14</b>	0.10	mg/kg	1	0081030	08/10/20	08/13/20	EPA 7471A Soil	
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**S23**  
**T202980-23 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081119	08/11/20	08/11/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>31</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		82.2 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081029	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>130</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>47</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>7.7</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>19</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>32</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>70</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>27</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>40</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081030	08/10/20	08/13/20	EPA 7471A Soil	
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**S24**  
**T202980-24 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	10	mg/kg	1	0081119	08/11/20	08/11/20	EPA 8015B	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
<b>C29-C40 (MORO)</b>	<b>18</b>	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		77.5 %		65-135	"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	3.0	mg/kg	1	0081029	08/10/20	08/13/20	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
<b>Barium</b>	<b>76</b>	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	08/13/20	"	
Cadmium	ND	2.0	"	"	"	"	08/13/20	"	
<b>Chromium</b>	<b>37</b>	2.0	"	"	"	"	"	"	
<b>Cobalt</b>	<b>8.6</b>	2.0	"	"	"	"	"	"	
<b>Copper</b>	<b>31</b>	1.0	"	"	"	"	"	"	
<b>Lead</b>	<b>8.4</b>	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>74</b>	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
<b>Vanadium</b>	<b>25</b>	5.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>36</b>	1.0	"	"	"	"	"	"	

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.10	mg/kg	1	0081030	08/10/20	08/13/20	EPA 7471A Soil	
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**Composite (S1-S4)  
T202980-25 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	5.0	ug/kg	1	0080726	08/07/20	08/11/20	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
<b>4,4'-DDE</b>	<b>30</b>	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		99.2 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		99.3 %		35-140	"	"	"	"	

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**Composite (S5-S8)  
T202980-26 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	5.0	ug/kg	1	0080726	08/07/20	08/11/20	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
<b>gamma-Chlordane</b>	<b>8.7</b>	5.0	"	"	"	"	"	"	
<b>alpha-Chlordane</b>	<b>6.9</b>	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
<b>4,4'-DDE</b>	<b>230</b>	50	"	10	"	"	"	"	
Dieldrin	ND	5.0	"	1	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
<b>4,4'-DDT</b>	<b>13</b>	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
<i>Surrogate: Tetrachloro-meta-xylene</i>		98.1 %		35-140	"	"	"	"	
<i>Surrogate: Decachlorobiphenyl</i>		101 %		35-140	"	"	"	"	

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**Composite (S9-S12)  
T202980-27 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	50	ug/kg	10	0080726	08/07/20	08/11/20	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4'-DDE	ND	50	"	"	"	"	"	"	R-07
Dieldrin	ND	50	"	"	"	"	"	"	R-07
Endrin	ND	50	"	"	"	"	"	"	R-07
4,4'-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4'-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		109 %	35-140		"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		112 %	35-140		"	"	"	"	R-07

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**Composite (S13-S16)  
T202980-28 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	50	ug/kg	10	0080726	08/07/20	08/11/20	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4'-DDE	ND	50	"	"	"	"	"	"	R-07
Dieldrin	ND	50	"	"	"	"	"	"	R-07
Endrin	ND	50	"	"	"	"	"	"	R-07
4,4'-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4'-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		93.5 %		35-140	"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		101 %		35-140	"	"	"	"	R-07

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/17/20 14:50
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**Composite (S17-S20)  
T202980-29 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	50	ug/kg	10	0080726	08/07/20	08/11/20	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4'-DDE	ND	50	"	"	"	"	"	"	R-07
Dieldrin	ND	50	"	"	"	"	"	"	R-07
Endrin	ND	50	"	"	"	"	"	"	R-07
4,4'-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4'-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		104 %		35-140	"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		113 %		35-140	"	"	"	"	R-07

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**Composite (S21-S24)  
T202980-30 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	5.0	ug/kg	1	0080726	08/07/20	08/11/20	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
<b>4,4'-DDE</b>	<b>28</b>	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		104 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		105 %		35-140	"	"	"	"	

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/17/20 14:50

**Extractable Petroleum Hydrocarbons by 8015B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081019 - EPA 3550B GC**

**Blank (0081019-BLK1)**

Prepared & Analyzed: 08/10/20

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	94.6		"	100		94.6	65-135			

**LCS (0081019-BS1)**

Prepared & Analyzed: 08/10/20

C13-C28 (DRO)	490	10	mg/kg	500		98.4	75-125			
Surrogate: <i>p</i> -Terphenyl	91.7		"	100		91.7	65-135			

**Matrix Spike (0081019-MS1)**

Source: T202980-01

Prepared & Analyzed: 08/10/20

C13-C28 (DRO)	480	10	mg/kg	490	2.4	97.9	75-125			
Surrogate: <i>p</i> -Terphenyl	75.8		"	98.0		77.3	65-135			

**Matrix Spike Dup (0081019-MSD1)**

Source: T202980-01

Prepared & Analyzed: 08/10/20

C13-C28 (DRO)	510	10	mg/kg	500	2.4	102	75-125	6.14	20	
Surrogate: <i>p</i> -Terphenyl	73.5		"	100		73.5	65-135			

**Batch 0081119 - EPA 3550B GC**

**Blank (0081119-BLK1)**

Prepared & Analyzed: 08/11/20

C6-C12 (GRO)	ND	10	mg/kg							
C13-C28 (DRO)	ND	10	"							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	92.5		"	99.0		93.4	65-135			

**LCS (0081119-BS1)**

Prepared & Analyzed: 08/11/20

C13-C28 (DRO)	530	10	mg/kg	495		107	75-125			
Surrogate: <i>p</i> -Terphenyl	94.9		"	99.0		95.8	65-135			

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/17/20 14:50
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**Extractable Petroleum Hydrocarbons by 8015B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081119 - EPA 3550B GC**

**LCS Dup (0081119-BSD1)**

Prepared & Analyzed: 08/11/20

C13-C28 (DRO)	500	10	mg/kg	495		102	75-125	4.78	20	
Surrogate: <i>p</i> -Terphenyl	88.4		"	99.0		89.3	65-135			

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**Metals by EPA 6010B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081026 - EPA 3050B**

**Blank (0081026-BLK1)**

Prepared: 08/10/20 Analyzed: 08/13/20

Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							

**LCS (0081026-BS1)**

Prepared: 08/10/20 Analyzed: 08/13/20

Arsenic	84.0	5.0	mg/kg	100		84.0	75-125			
Barium	86.0	1.0	"	100		86.0	75-125			
Cadmium	87.2	2.0	"	100		87.2	75-125			
Chromium	86.2	2.0	"	100		86.2	75-125			
Lead	84.6	3.0	"	100		84.6	75-125			

**Matrix Spike (0081026-MS1)**

Source: T202980-01

Prepared: 08/10/20 Analyzed: 08/13/20

Arsenic	44.6	5.0	mg/kg	92.6	1.62	46.4	75-125			QM-05
Barium	150	1.0	"	92.6	107	46.2	75-125			QM-05
Cadmium	42.9	2.0	"	92.6	0.515	45.8	75-125			QM-05
Chromium	90.6	2.0	"	92.6	47.8	46.2	75-125			QM-05
Lead	52.0	3.0	"	92.6	9.36	46.1	75-125			QM-05

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 PO Box 332  
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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/17/20 14:50

**Metals by EPA 6010B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081026 - EPA 3050B**

**Matrix Spike Dup (0081026-MSD1)**

Source: T202980-01

Prepared: 08/10/20 Analyzed: 08/13/20

Arsenic	50.8	5.0	mg/kg	99.0	1.62	49.6	75-125	12.9	20	QM-05
Barium	169	1.0	"	99.0	107	62.2	75-125	11.8	20	QM-05
Cadmium	51.8	2.0	"	99.0	0.515	51.8	75-125	18.8	20	QM-05
Chromium	105	2.0	"	99.0	47.8	58.1	75-125	15.0	20	QM-05
Lead	59.2	3.0	"	99.0	9.36	50.4	75-125	13.0	20	QM-05

**Batch 0081029 - EPA 3050B**

**Blank (0081029-BLK1)**

Prepared: 08/10/20 Analyzed: 08/13/20

Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	5.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							

**LCS (0081029-BS1)**

Prepared: 08/10/20 Analyzed: 08/13/20

Arsenic	85.7	5.0	mg/kg	100		85.7	75-125			
Barium	87.3	1.0	"	100		87.3	75-125			
Cadmium	86.2	2.0	"	100		86.2	75-125			
Chromium	87.8	2.0	"	100		87.8	75-125			
Lead	86.1	3.0	"	100		86.1	75-125			

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**Metals by EPA 6010B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081029 - EPA 3050B**

Matrix Spike (0081029-MS1)	Source: T202768-02			Prepared: 08/10/20 Analyzed: 08/13/20						
Arsenic	61.2	5.0	mg/kg	94.3	2.19	62.6	75-125			QM-05
Barium	87.6	1.0	"	94.3	32.0	59.0	75-125			QM-05
Cadmium	56.5	2.0	"	94.3	0.218	59.6	75-125			QM-05
Chromium	60.4	2.0	"	94.3	3.83	59.9	75-125			QM-05
Lead	57.5	3.0	"	94.3	2.13	58.7	75-125			QM-05

Matrix Spike Dup (0081029-MSD1)	Source: T202768-02			Prepared: 08/10/20 Analyzed: 08/13/20						
Arsenic	65.0	4.5	mg/kg	90.9	2.19	69.1	75-125	6.03	20	QM-05
Barium	90.5	0.91	"	90.9	32.0	64.4	75-125	3.17	20	QM-05
Cadmium	59.5	1.8	"	90.9	0.218	65.2	75-125	5.27	20	QM-05
Chromium	63.3	1.8	"	90.9	3.83	65.4	75-125	4.68	20	QM-05
Lead	60.7	2.7	"	90.9	2.13	64.4	75-125	5.46	20	QM-05

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**Cold Vapor Extraction EPA 7470/7471 - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081025 - EPA 7471A Soil**

<b>Blank (0081025-BLK1)</b>				Prepared: 08/10/20 Analyzed: 08/12/20						
Mercury	ND	0.10	mg/kg							
<b>LCS (0081025-BS1)</b>				Prepared: 08/10/20 Analyzed: 08/12/20						
Mercury	0.316	0.10	mg/kg	0.391		80.8	80-120			
<b>Matrix Spike (0081025-MS1)</b>				Source: T202980-01 Prepared: 08/10/20 Analyzed: 08/12/20						
Mercury	0.397	0.10	mg/kg	0.403	0.0810	78.3	75-125			
<b>Matrix Spike Dup (0081025-MSD1)</b>				Source: T202980-01 Prepared: 08/10/20 Analyzed: 08/12/20						
Mercury	0.972	0.20	mg/kg	0.397	0.0810	225	75-125	84.1	20	QM-05

**Batch 0081030 - EPA 7471A Soil**

<b>Blank (0081030-BLK1)</b>				Prepared: 08/10/20 Analyzed: 08/13/20						
Mercury	ND	0.10	mg/kg							
<b>LCS (0081030-BS1)</b>				Prepared: 08/10/20 Analyzed: 08/13/20						
Mercury	0.362	0.10	mg/kg	0.385		94.2	80-120			
<b>Matrix Spike (0081030-MS1)</b>				Source: T202768-02 Prepared: 08/10/20 Analyzed: 08/13/20						
Mercury	0.384	0.10	mg/kg	0.397	ND	96.8	75-125			
<b>Matrix Spike Dup (0081030-MSD1)</b>				Source: T202768-02 Prepared: 08/10/20 Analyzed: 08/13/20						
Mercury	0.375	0.10	mg/kg	0.385	ND	97.4	75-125	2.50	20	

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**Organochlorine Pesticides by EPA Method 8081A - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0080726 - EPA 3550 ECD/GCMS**

**Blank (0080726-BLK1)**

Prepared: 08/07/20 Analyzed: 08/11/20

alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
4,4'-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4'-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							
4,4'-DDT	ND	5.0	"							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	5.0	"							
Endrin ketone	ND	5.0	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	10.1		"	9.90		102	35-140			
Surrogate: Decachlorobiphenyl	10.5		"	9.90		106	35-140			

**LCS (0080726-BS1)**

Prepared: 08/07/20 Analyzed: 08/11/20

gamma-BHC (Lindane)	38.2	5.0	ug/kg	39.6		96.6	40-120			
Heptachlor	41.6	5.0	"	39.6		105	40-120			
Aldrin	28.8	5.0	"	39.6		72.6	40-120			
Dieldrin	41.7	5.0	"	39.6		105	40-120			
Endrin	41.7	5.0	"	39.6		105	40-120			
4,4'-DDT	45.3	5.0	"	39.6		114	33-147			
Surrogate: Tetrachloro-meta-xylene	10.8		"	9.90		110	35-140			
Surrogate: Decachlorobiphenyl	11.0		"	9.90		111	35-140			

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Mike Jaroudi, Project Manager



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 949.297.5020 Phone  
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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/17/20 14:50
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**Organochlorine Pesticides by EPA Method 8081A - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0080726 - EPA 3550 ECD/GCMS**

**LCS Dup (0080726-BSD1)**

Prepared: 08/07/20 Analyzed: 08/11/20

gamma-BHC (Lindane)	34.2	5.0	ug/kg	39.6		86.3	40-120	11.2	30	
Heptachlor	37.4	5.0	"	39.6		94.4	40-120	10.7	30	
Aldrin	29.2	5.0	"	39.6		73.6	40-120	1.37	30	
Dieldrin	41.2	5.0	"	39.6		104	40-120	1.41	30	
Endrin	37.4	5.0	"	39.6		94.6	40-120	10.8	30	
4,4'-DDT	44.5	5.0	"	39.6		112	33-147	1.74	30	
Surrogate: Tetrachloro-meta-xylene	10.6		"	9.90		107	35-140			
Surrogate: Decachlorobiphenyl	10.9		"	9.90		110	35-140			

SunStar Laboratories, Inc.

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/17/20 14:50

### Notes and Definitions

- R-07 Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s) and/or matrix affect.
- R-01 The Reporting Limit has been raised to account for dilution necessary due to matrix interference.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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SunStar Laboratories, Inc.



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---

Mike Jaroudi, Project Manager

**Chain of Custody Record**

Client: BRUSCA ASSOCIATES, INC.  
 Address: PO Box 332, Roseville, CA 95661  
 Phone: (916) 677-1470 Fax: (916) 677-1471  
 Project Manager: JOE BRUSCA

Date: 8/7/2020 Page: 1 Of 2  
 Project Name: PEARLICK ROAD PROPERTY  
 Collector: BRUSCA Client Project #: 347-001  
 Batch #: T201980 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	Comments/Preservative	Total # of containers
01	S1	8/7/20		SOL	JAR								X	X			
02	S2												X	X			
03	S3												X	X			
04	S4												X	X			
05	S5												X	X			
06	S6												X	X			
07	S7												X	X			
08	S8												X	X			
09	S9												X	X			
10	S10												X	X			
11	S11												X	X			
12	S12												X	X			
13	S13												X	X			
14	S14												X	X			
15	S15												X	X			

Relinquished by: (signature) <u>[Signature]</u>	Date / Time <u>8/7/20, 14:50</u>	Received by: (signature) <u>[Signature]</u>	Date / Time <u>8/7/20 1450</u>
Relinquished by: (signature) <u>GLS</u>	Date / Time <u>8-8-20</u>	Received by: (signature) <u>[Signature]</u>	Date / Time <u>8-8-20 10:27</u>
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers \_\_\_\_\_  
 Chain of Custody seals Y/N/NA \_\_\_\_\_  
 Seals intact? Y/N/NA \_\_\_\_\_  
 Received good condition/cold 3.6  
 Turn around time: NORMAL

Notes

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_



**Chain of Custody Record**

Client: BRUSCA ASSOCIATES, INC.  
Address: PO Box 332, Roseville, CA 95661  
Phone: (916) 677-1470 Fax: (916) 677-1471  
Project Manager: JOE BRUSCA

Date: 8/7/2020 Page: 2 Of 2  
Project Name: PEDRICK ROAD PROPERTY  
Collector: BRUSCA Client Project #: 347-001  
Batch #: T202980 EDF #: \_\_\_\_\_

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	ORGANIC HALOGENS PAST 7/2015 EPA 8210	Comments/Preservative	Total # of containers	
16	S16	8/7/20		SOIL	JAR								X	X					
17	S17												X	X					
18	S18												X	X					
19	S19												X	X					
20	S20												X	X					
21	S21												X	X					
22	S22												X	X					
23	S23												X	X					
24	S24												X	X					
25	S1, S2, S3, S4 COMP														X		PLEASE COMPOSITE AS INDICATED		
26	S5, S6, S7, S8 COMP														X				
27	S9, S10, S11, S12 COMP														X				
28	S13, S14, S15, S16 COMP														X				
29	S17, S18, S19, S20 COMP														X				
30	S21, S22, S23, S24 COMP														X				
Relinquished by: (signature)		Date / Time		Received by: (signature)		Date / Time		Total # of containers		Notes									
<i>[Signature]</i>		8/7/20, 14:50		<i>[Signature]</i>		8/7/20 14:50		3.0		Chain of Custody seals? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA									
Relinquished by: (signature)		Date / Time		Received by: (signature)		Date / Time		Seals intact? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N / <input type="checkbox"/> NA											
<i>[Signature]</i>		8-8-20		<i>[Signature]</i>		8/8/20 10:27		Received good condition/cold											
Relinquished by: (signature)		Date / Time		Received by: (signature)		Date / Time		Turn around time: <u>NORMAL</u>											

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_



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19 August 2020

Joe Brusca  
Brusca Associates Inc.  
PO Box 332  
Roseville, CA 95661  
RE: Pedrick Road Property

Enclosed are the results of analyses for samples received by the laboratory on 08/12/20 09:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Jaroudi  
Project Manager



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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:51

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FB-W	T203020-01	Water	08/11/20 00:00	08/12/20 09:30

SunStar Laboratories, Inc.

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Mike Jaroudi, Project Manager



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Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:51

**DETECTIONS SUMMARY**

Sample ID: FB-W

Laboratory ID: T203020-01

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
C13-C28 (DRO)	0.65	0.50		mg/l	EPA 8015B	
Barium	140	50		ug/l	EPA 6010b	AO-1
Benzene	0.58	0.50		ug/l	EPA 8260B	
Toluene	0.59	0.50		ug/l	EPA 8260B	
pH	7.3	0.10		pH Units	SM4500	O-04
Total Dissolved Solids	540	10		mg/l	TDS by SM2540C	
Nitrate as NO3	57.2	0.500		mg/l	EPA 300.0	
Nitrate as N	12.9	0.200		mg/l	EPA 300.0	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/19/20 16:51

**FB-W**  
**T203020-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Extractable Petroleum Hydrocarbons by 8015B**

C6-C12 (GRO)	ND	0.50	mg/l	1	0081140	08/11/20	08/13/20	EPA 8015B	
<b>C13-C28 (DRO)</b>	<b>0.65</b>	0.50	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.50	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		111 %	65-135		"	"	"	"	

**Metals by EPA 6010B**

Antimony	ND	50	ug/l	1	0081327	08/13/20	08/17/20	EPA 6010b	AO-1
Silver	ND	50	"	"	"	"	"	"	AO-1
Arsenic	ND	50	"	"	"	"	"	"	AO-1
<b>Barium</b>	<b>140</b>	50	"	"	"	"	"	"	AO-1
Beryllium	ND	50	"	"	"	"	"	"	AO-1
Cadmium	ND	50	"	"	"	"	"	"	AO-1
Chromium	ND	50	"	"	"	"	"	"	AO-1
Cobalt	ND	50	"	"	"	"	"	"	AO-1
Copper	ND	50	"	"	"	"	"	"	AO-1
Lead	ND	50	"	"	"	"	"	"	AO-1
Molybdenum	ND	50	"	"	"	"	"	"	AO-1
Nickel	ND	50	"	"	"	"	"	"	AO-1
Selenium	ND	50	"	"	"	"	"	"	AO-1
Thallium	ND	50	"	"	"	"	"	"	AO-1
Vanadium	ND	50	"	"	"	"	"	"	AO-1
Zinc	ND	50	"	"	"	"	"	"	AO-1

**Cold Vapor Extraction EPA 7470/7471**

Mercury	ND	0.50	ug/l	1	0081328	08/13/20	08/19/20	EPA 7470A Water	
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**FB-W**  
**T203020-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Organochlorine Pesticides by EPA Method 8081A**

alpha-BHC	ND	1.00	ug/l	1	0081243	08/12/20	08/13/20	EPA 8081A	
gamma-BHC (Lindane)	ND	1.00	"	"	"	"	"	"	
beta-BHC	ND	1.00	"	"	"	"	"	"	
delta-BHC	ND	1.00	"	"	"	"	"	"	
Heptachlor	ND	1.00	"	"	"	"	"	"	
Aldrin	ND	1.00	"	"	"	"	"	"	
Heptachlor epoxide	ND	1.00	"	"	"	"	"	"	
gamma-Chlordane	ND	1.00	"	"	"	"	"	"	
alpha-Chlordane	ND	1.00	"	"	"	"	"	"	
Endosulfan I	ND	1.00	"	"	"	"	"	"	
4,4'-DDE	ND	1.00	"	"	"	"	"	"	
Dieldrin	ND	1.00	"	"	"	"	"	"	
Endrin	ND	1.00	"	"	"	"	"	"	
4,4'-DDD	ND	1.00	"	"	"	"	"	"	
Endosulfan II	ND	1.00	"	"	"	"	"	"	
4,4'-DDT	ND	1.00	"	"	"	"	"	"	
Endrin aldehyde	ND	1.00	"	"	"	"	"	"	
Endosulfan sulfate	ND	1.00	"	"	"	"	"	"	
Methoxychlor	ND	1.00	"	"	"	"	"	"	
Endrin ketone	ND	1.00	"	"	"	"	"	"	
Toxaphene	ND	20.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		104 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		117 %		35-140	"	"	"	"	

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	ND	2.00	ug/l	1	0081253	08/12/20	08/15/20	EPA 8082	
PCB-1221	ND	2.00	"	"	"	"	"	"	
PCB-1232	ND	2.00	"	"	"	"	"	"	
PCB-1242	ND	2.00	"	"	"	"	"	"	
PCB-1248	ND	2.00	"	"	"	"	"	"	
PCB-1254	ND	2.00	"	"	"	"	"	"	
PCB-1260	ND	2.00	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:51
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**FB-W**  
**T203020-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Polychlorinated Biphenyls by EPA Method 8082**

Surrogate: Tetrachloro-meta-xylene	75.5 %	35-140	0081253	08/12/20	08/15/20	EPA 8082
Surrogate: Decachlorobiphenyl	82.7 %	35-140	"	"	"	"

**Chlorinated Herbicides by EPA Method 8151A**

2,4,5-T	ND	0.20	ug/l	1	0081255	08/12/20	08/14/20	8151
2,4,5-TP (Silvex)	ND	0.20	"	"	"	"	"	"
2,4-D	ND	0.50	"	"	"	"	"	"
2,4-DB	ND	0.50	"	"	"	"	"	"
3,5-Dichlorobenzoic acid	ND	0.20	"	"	"	"	"	"
4-Nitrophenol	ND	0.50	"	"	"	"	"	"
Acifluorfen	ND	0.20	"	"	"	"	"	"
Bentazon	ND	1.00	"	"	"	"	"	"
Chloramben	ND	0.50	"	"	"	"	"	"
Dalapon	ND	1.00	"	"	"	"	"	"
DCPA diacid	ND	0.20	"	"	"	"	"	"
Dicamba	ND	0.20	"	"	"	"	"	"
Dichloroprop	ND	0.50	"	"	"	"	"	"
Dinoseb	ND	0.50	"	"	"	"	"	"
Pentachlorophenol	ND	0.20	"	"	"	"	"	"
Picloram	ND	1.00	"	"	"	"	"	"
Surrogate: 2,4-DCAA	50.0 %	35-150	"	"	"	"	"	"

**Volatile Organic Compounds by EPA Method 8260B**

Bromobenzene	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B
Bromochloromethane	ND	1.0	"	"	"	"	"	"
Bromodichloromethane	ND	1.0	"	"	"	"	"	"
Bromoform	ND	1.0	"	"	"	"	"	"
Bromomethane	ND	1.0	"	"	"	"	"	"
n-Butylbenzene	ND	1.0	"	"	"	"	"	"
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"
Chlorobenzene	ND	1.0	"	"	"	"	"	"

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**FB-W**  
**T203020-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	

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**FB-W**  
**T203020-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Volatile Organic Compounds by EPA Method 8260B**

1,1,1,2-Tetrachloroethane	ND	1.0	ug/l	1	0081251	08/12/20	08/13/20	EPA 8260B	
Tetrachloroethene	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
<b>Benzene</b>	<b>0.58</b>	0.50	"	"	"	"	"	"	
<b>Toluene</b>	<b>0.59</b>	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.3 %	76.7-116		"	"	"	"	
Surrogate: Dibromofluoromethane		82.6 %	49.2-135		"	"	"	"	
Surrogate: Toluene-d8		99.1 %	84.7-108		"	"	"	"	

**Semivolatile Organic Compounds by EPA Method 8270C**

Carbazole	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
Phenol	ND	10	"	"	"	"	"	"	
Aniline	ND	10	"	"	"	"	"	"	
2-Chlorophenol	ND	10	"	"	"	"	"	"	
Acenaphthylene	ND	10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	10	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.0	"	"	"	"	"	"	
Anthracene	ND	10	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1-Methylnaphthalene	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:51

**FB-W**

**T203020-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4-Chloro-3-methylphenol	ND	10	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
2-Methylnaphthalene	ND	20	"	"	"	"	"	"	
Benzo (a) anthracene	ND	10	"	"	"	"	"	"	
Acenaphthene	ND	10	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	10	"	"	"	"	"	"	
4-Nitrophenol	ND	10	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	10	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	10	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	20	"	"	"	"	"	"	
Pentachlorophenol	ND	10	"	"	"	"	"	"	
Pyrene	ND	10	"	"	"	"	"	"	
Benzo (a) pyrene	ND	10	"	"	"	"	"	"	
Benzyl alcohol	ND	50	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	10	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.0	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	20	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	10	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.0	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	10	"	"	"	"	"	"	
4-Chloroaniline	ND	20	"	"	"	"	"	"	
2-Chloronaphthalene	ND	10	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	20	"	"	"	"	"	"	
Chrysene	ND	10	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	10	"	"	"	"	"	"	
Dibenzofuran	ND	20	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	10	"	"	"	"	"	"	
Diethyl phthalate	ND	10	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.0	"	"	"	"	"	"	
Dimethyl phthalate	ND	10	"	"	"	"	"	"	

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Mike Jaroudi, Project Manager

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
08/19/20 16:51

**FB-W**  
**T203020-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

4,6-Dinitro-2-methylphenol	ND	5.0	ug/l	1	0081244	08/12/20	08/15/20	EPA 8270C	
2,4-Dinitrophenol	ND	10	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	20	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	10	"	"	"	"	"	"	
Fluoranthene	ND	5.0	"	"	"	"	"	"	
Fluorene	ND	10	"	"	"	"	"	"	
Hexachlorobenzene	ND	20	"	"	"	"	"	"	
Hexachlorobutadiene	ND	10	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	20	"	"	"	"	"	"	
Hexachloroethane	ND	5.0	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	10	"	"	"	"	"	"	
Isophorone	ND	10	"	"	"	"	"	"	
2-Methylphenol	ND	10	"	"	"	"	"	"	
4-Methylphenol	ND	20	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
2-Nitroaniline	ND	10	"	"	"	"	"	"	
3-Nitroaniline	ND	10	"	"	"	"	"	"	
4-Nitroaniline	ND	20	"	"	"	"	"	"	
Nitrobenzene	ND	20	"	"	"	"	"	"	
2-Nitrophenol	ND	10	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	10	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	25	"	"	"	"	"	"	
Phenanthrene	ND	10	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	20	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	10	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	10	"	"	"	"	"	"	
1,4-Dinitrobenzene	ND	10	"	"	"	"	"	"	
Pyridine	ND	10	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		43.9 %		15-121	"	"	"	"	
Surrogate: Phenol-d6		36.8 %		24-113	"	"	"	"	
Surrogate: Nitrobenzene-d5		78.2 %		14.7-110	"	"	"	"	

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:51
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**FB-W**  
**T203020-01 (Water)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**SunStar Laboratories, Inc.**

**Semivolatile Organic Compounds by EPA Method 8270C**

Surrogate: 2-Fluorobiphenyl	80.5 %	33.3-110			0081244	08/12/20	08/15/20	EPA 8270C	
Surrogate: 2,4,6-Tribromophenol	58.0 %	12.9-110			"	"	"	"	
Surrogate: Terphenyl-d14	67.8 %	15.8-136			"	"	"	"	

**Conventional Chemistry Parameters by APHA/EPA/ASTM Methods**

<b>pH</b>	<b>7.3</b>	0.10	pH Units	1	0081238	08/12/20	08/12/20	SM4500	O-04
<b>Total Dissolved Solids</b>	<b>540</b>	10	mg/l	"	0081246	08/12/20	08/13/20	TDS by SM2540C	

**Anions by EPA Method 300.0**

<b>Nitrate as NO3</b>	<b>57.2</b>	0.500	mg/l	1	0081248	08/12/20	08/12/20	EPA 300.0	
<b>Nitrate as N</b>	<b>12.9</b>	0.200	"	"	"	"	"	"	

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**Extractable Petroleum Hydrocarbons by 8015B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081140 - EPA 3510C GC**

<b>Blank (0081140-BLK1)</b>		Prepared: 08/11/20 Analyzed: 08/13/20								
C6-C12 (GRO)	ND	0.50	mg/l							
C13-C28 (DRO)	ND	0.50	"							
C29-C40 (MORO)	ND	0.50	"							
Surrogate: <i>p</i> -Terphenyl	4.04		"	4.00		101	65-135			

<b>LCS (0081140-BS1)</b>		Prepared: 08/11/20 Analyzed: 08/13/20								
C13-C28 (DRO)	20.4	0.50	mg/l	20.0		102	75-125			
Surrogate: <i>p</i> -Terphenyl	3.83		"	4.00		95.7	65-135			

<b>LCS Dup (0081140-BSD1)</b>		Prepared: 08/11/20 Analyzed: 08/13/20								
C13-C28 (DRO)	22.7	0.50	mg/l	20.0		114	75-125	10.7	20	
Surrogate: <i>p</i> -Terphenyl	3.88		"	4.00		97.1	65-135			

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**Metals by EPA 6010B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081327 - EPA 3010A**

**Blank (0081327-BLK1)**

Prepared: 08/13/20 Analyzed: 08/17/20

Antimony	ND	50	ug/l							
Silver	ND	50	"							
Arsenic	ND	50	"							
Barium	ND	50	"							
Beryllium	ND	50	"							
Cadmium	ND	50	"							
Chromium	ND	50	"							
Cobalt	ND	50	"							
Copper	ND	50	"							
Lead	ND	50	"							
Molybdenum	ND	50	"							
Nickel	ND	50	"							
Selenium	ND	50	"							
Thallium	ND	50	"							
Vanadium	ND	50	"							
Zinc	ND	50	"							

**LCS (0081327-BS1)**

Prepared: 08/13/20 Analyzed: 08/17/20

Arsenic	508	50	ug/l	500		102	75-125			
Barium	540	50	"	500		108	75-125			
Cadmium	535	50	"	500		107	75-125			
Chromium	542	50	"	500		108	75-125			
Lead	534	50	"	500		107	75-125			

**Matrix Spike (0081327-MS1)**

Source: T203019-01

Prepared: 08/13/20 Analyzed: 08/17/20

Arsenic	493	50	ug/l	500	ND	98.6	75-125			
Barium	562	50	"	500	79.2	96.6	75-125			
Cadmium	481	50	"	500	ND	96.3	75-125			
Chromium	489	50	"	500	ND	97.9	75-125			
Lead	487	50	"	500	ND	97.3	75-125			

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:51
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**Metals by EPA 6010B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081327 - EPA 3010A**

**Matrix Spike Dup (0081327-MSD1)**

Source: T203019-01

Prepared: 08/13/20 Analyzed: 08/17/20

Arsenic	474	50	ug/l	500	ND	94.8	75-125	3.85	20	
Barium	559	50	"	500	79.2	96.0	75-125	0.528	20	
Cadmium	478	50	"	500	ND	95.7	75-125	0.616	20	
Chromium	484	50	"	500	ND	96.8	75-125	1.11	20	
Lead	466	50	"	500	ND	93.2	75-125	4.35	20	

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:51

**Cold Vapor Extraction EPA 7470/7471 - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081328 - EPA 7470A Water**

<b>Blank (0081328-BLK1)</b>				Prepared: 08/13/20 Analyzed: 08/19/20						
Mercury	ND	0.50	ug/l							
<b>LCS (0081328-BS1)</b>				Prepared: 08/13/20 Analyzed: 08/19/20						
Mercury	5.42	0.50	ug/l	5.00		108	80-120			
<b>Matrix Spike (0081328-MS1)</b>				Source: T203019-01 Prepared: 08/13/20 Analyzed: 08/19/20						
Mercury	5.52	0.50	ug/l	5.00	ND	110	75-125			
<b>Matrix Spike Dup (0081328-MSD1)</b>				Source: T203019-01 Prepared: 08/13/20 Analyzed: 08/19/20						
Mercury	4.80	0.50	ug/l	5.00	ND	96.1	75-125	13.9	20	

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 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:51

**Organochlorine Pesticides by EPA Method 8081A - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081243 - EPA 3510C GCMS/ECD**

**Blank (0081243-BLK1)**

Prepared: 08/12/20 Analyzed: 08/13/20

alpha-BHC	ND	1.00	ug/l							
gamma-BHC (Lindane)	ND	1.00	"							
beta-BHC	ND	1.00	"							
delta-BHC	ND	1.00	"							
Heptachlor	ND	1.00	"							
Aldrin	ND	1.00	"							
Heptachlor epoxide	ND	1.00	"							
gamma-Chlordane	ND	1.00	"							
alpha-Chlordane	ND	1.00	"							
Endosulfan I	ND	1.00	"							
4,4'-DDE	ND	1.00	"							
Dieldrin	ND	1.00	"							
Endrin	ND	1.00	"							
4,4'-DDD	ND	1.00	"							
Endosulfan II	ND	1.00	"							
4,4'-DDT	ND	1.00	"							
Endrin aldehyde	ND	1.00	"							
Endosulfan sulfate	ND	1.00	"							
Methoxychlor	ND	1.00	"							
Endrin ketone	ND	1.00	"							
Toxaphene	ND	20.0	"							
Surrogate: Tetrachloro-meta-xylene	ND		"	1.00		97.8	35-140			
Surrogate: Decachlorobiphenyl	1.01		"	1.00		101	35-140			

**LCS (0081243-BS1)**

Prepared: 08/12/20 Analyzed: 08/13/20

gamma-BHC (Lindane)	3.79	1.00	ug/l	4.00		94.8	40-120			
Heptachlor	3.92	1.00	"	4.00		98.1	40-120			
Aldrin	2.92	1.00	"	4.00		73.1	40-120			
Dieldrin	3.99	1.00	"	4.00		99.7	40-120			
Endrin	3.98	1.00	"	4.00		99.5	40-120			
4,4'-DDT	4.14	1.00	"	4.00		104	40-120			
Surrogate: Tetrachloro-meta-xylene	0.963		"	1.00		96.3	35-140			
Surrogate: Decachlorobiphenyl	1.02		"	1.00		102	35-140			

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Mike Jaroudi, Project Manager



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**Organochlorine Pesticides by EPA Method 8081A - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081243 - EPA 3510C GCMS/ECD**

**LCS Dup (0081243-BSD1)**

Prepared: 08/12/20 Analyzed: 08/13/20

gamma-BHC (Lindane)	3.88	1.00	ug/l	4.00		96.9	40-120	2.23	20	
Heptachlor	4.03	1.00	"	4.00		101	40-120	2.66	20	
Aldrin	2.97	1.00	"	4.00		74.2	40-120	1.43	20	
Dieldrin	4.18	1.00	"	4.00		105	40-120	4.81	20	
Endrin	4.12	1.00	"	4.00		103	40-120	3.52	20	
4,4'-DDT	4.30	1.00	"	4.00		107	40-120	3.61	20	
Surrogate: Tetrachloro-meta-xylene	0.992		"	1.00		99.2	35-140			
Surrogate: Decachlorobiphenyl	1.09		"	1.00		109	35-140			

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 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:51

**Polychlorinated Biphenyls by EPA Method 8082 - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081253 - EPA 3510C GCMS/ECD**

**Blank (0081253-BLK1)**

Prepared: 08/12/20 Analyzed: 08/18/20

PCB-1016	ND	2.00	ug/l							
PCB-1221	ND	2.00	"							
PCB-1232	ND	2.00	"							
PCB-1242	ND	2.00	"							
PCB-1248	ND	2.00	"							
PCB-1254	ND	2.00	"							
PCB-1260	ND	2.00	"							
Surrogate: Tetrachloro-meta-xylene	0.791		"	1.00		79.1	35-140			
Surrogate: Decachlorobiphenyl	0.885		"	1.00		88.5	35-140			

**LCS (0081253-BS1)**

Prepared: 08/12/20 Analyzed: 08/15/20

PCB-1016	8.67	2.00	ug/l	10.0		86.7	40-130			
PCB-1260	8.69	2.00	"	10.0		86.9	40-130			
Surrogate: Tetrachloro-meta-xylene	0.815		"	1.00		81.5	35-140			
Surrogate: Decachlorobiphenyl	0.815		"	1.00		81.5	35-140			

**LCS Dup (0081253-BSD1)**

Prepared: 08/12/20 Analyzed: 08/15/20

PCB-1016	9.02	2.00	ug/l	10.0		90.2	40-130	3.92	30	
PCB-1260	9.88	2.00	"	10.0		98.8	40-130	12.8	30	
Surrogate: Tetrachloro-meta-xylene	0.766		"	1.00		76.6	35-140			
Surrogate: Decachlorobiphenyl	0.992		"	1.00		99.2	35-140			

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 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:51

**Chlorinated Herbicides by EPA Method 8151A - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081255 - 8151 Prep**

**Blank (0081255-BLK1)**

Prepared: 08/12/20 Analyzed: 08/14/20

2,4,5-T	ND	0.20	ug/l							
2,4,5-TP (Silvex)	ND	0.20	"							
2,4-D	ND	0.50	"							
2,4-DB	ND	0.50	"							
3,5-Dichlorobenzoic acid	ND	0.20	"							
4-Nitrophenol	ND	0.50	"							
Acifluorfen	ND	0.20	"							
Bentazon	ND	1.00	"							
Chloramben	ND	0.50	"							
Dalapon	ND	1.00	"							
DCPA diacid	ND	0.20	"							
Dicamba	ND	0.20	"							
Dichloroprop	ND	0.50	"							
Dinoseb	ND	0.50	"							
Pentachlorophenol	ND	0.20	"							
Picloram	ND	1.00	"							

Surrogate: 2,4-DCAA 10.2 " 20.0 51.1 35-150

**LCS (0081255-BS1)**

Prepared: 08/12/20 Analyzed: 08/14/20

2,4,5-TP (Silvex)	2.89	0.20	ug/l	5.00		57.8	20-150			
3,5-Dichlorobenzoic acid	3.57	0.20	"	5.00		71.3	20-150			
Dicamba	3.25	0.20	"	5.00		64.9	20-150			
Pentachlorophenol	3.08	0.20	"	5.00		61.7	20-150			

Surrogate: 2,4-DCAA 10.5 " 20.0 52.4 35-150

**LCS Dup (0081255-BSD1)**

Prepared: 08/12/20 Analyzed: 08/14/20

2,4,5-TP (Silvex)	3.69	0.20	ug/l	5.00		73.8	20-150	24.3	30	
3,5-Dichlorobenzoic acid	3.77	0.20	"	5.00		75.4	20-150	5.64	30	
Dicamba	3.76	0.20	"	5.00		75.2	20-150	14.6	30	
Pentachlorophenol	3.70	0.20	"	5.00		74.1	20-150	18.1	30	

Surrogate: 2,4-DCAA 12.1 " 20.0 60.5 35-150

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Mike Jaroudi, Project Manager



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Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:51

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081251 - EPA 5030 GCMS**

**Blank (0081251-BLK1)**

Prepared: 08/12/20 Analyzed: 08/13/20

Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	2.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

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Brusca Associates Inc.  
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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:51

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081251 - EPA 5030 GCMS**

**Blank (0081251-BLK1)**

Prepared: 08/12/20 Analyzed: 08/13/20

p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
Surrogate: 4-Bromofluorobenzene	50.0		"	50.0		100	76.7-116			
Surrogate: Dibromofluoromethane	46.2		"	50.0		92.4	49.2-135			
Surrogate: Toluene-d8	50.3		"	50.0		101	84.7-108			

**LCS (0081251-BS1)**

Prepared: 08/12/20 Analyzed: 08/13/20

Chlorobenzene	50.7	1.0	ug/l	50.0		101	81.1-121			
1,1-Dichloroethene	43.2	1.0	"	50.0		86.4	69.9-130			
Trichloroethene	47.2	1.0	"	50.0		94.4	83.9-115			
Benzene	46.5	0.50	"	50.0		92.9	78.1-123			
Toluene	48.4	0.50	"	50.0		96.7	79.6-123			
Surrogate: 4-Bromofluorobenzene	49.6		"	50.0		99.2	76.7-116			
Surrogate: Dibromofluoromethane	45.2		"	50.0		90.4	49.2-135			
Surrogate: Toluene-d8	49.1		"	50.0		98.1	84.7-108			

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:51
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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081251 - EPA 5030 GCMS**

**LCS Dup (0081251-BSD1)**

Prepared: 08/12/20 Analyzed: 08/13/20

Chlorobenzene	53.4	1.0	ug/l	50.0	107	81.1-121	5.15	20		
1,1-Dichloroethene	49.9	1.0	"	50.0	99.8	69.9-130	14.4	20		
Trichloroethene	52.9	1.0	"	50.0	106	83.9-115	11.5	20		
Benzene	51.1	0.50	"	50.0	102	78.1-123	9.43	20		
Toluene	52.6	0.50	"	50.0	105	79.6-123	8.44	20		
Surrogate: 4-Bromofluorobenzene	44.8		"	50.0	89.6	76.7-116				
Surrogate: Dibromofluoromethane	45.4		"	50.0	90.9	49.2-135				
Surrogate: Toluene-d8	50.0		"	50.0	99.9	84.7-108				

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:51

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081244 - EPA 3510C GCMS/ECD**

**Blank (0081244-BLK1)**

Prepared: 08/12/20 Analyzed: 08/15/20

Carbazole	ND	10	ug/l							
Aniline	ND	10	"							
Phenol	ND	10	"							
Acenaphthylene	ND	10	"							
2-Chlorophenol	ND	10	"							
1,4-Dichlorobenzene	ND	10	"							
Anthracene	ND	10	"							
N-Nitrosodi-n-propylamine	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
4-Chloro-3-methylphenol	ND	10	"							
2-Methylnaphthalene	ND	20	"							
1-Methylnaphthalene	ND	10	"							
Benzo (a) anthracene	ND	10	"							
Acenaphthene	ND	10	"							
4-Nitrophenol	ND	10	"							
Benzo (b) fluoranthene	ND	10	"							
2,4-Dinitrotoluene	ND	10	"							
Benzo (k) fluoranthene	ND	10	"							
Pentachlorophenol	ND	10	"							
Benzo (g,h,i) perylene	ND	20	"							
Benzo (a) pyrene	ND	10	"							
Pyrene	ND	10	"							
Benzyl alcohol	ND	50	"							
Bis(2-chloroethoxy)methane	ND	10	"							
Bis(2-chloroethyl)ether	ND	5.0	"							
Bis(2-chloroisopropyl)ether	ND	20	"							
Bis(2-ethylhexyl)phthalate	ND	10	"							
4-Bromophenyl phenyl ether	ND	5.0	"							
Butyl benzyl phthalate	ND	10	"							
4-Chloroaniline	ND	20	"							
2-Chloronaphthalene	ND	10	"							
4-Chlorophenyl phenyl ether	ND	20	"							
Chrysene	ND	10	"							
Dibenz (a,h) anthracene	ND	10	"							
Dibenzofuran	ND	20	"							
Di-n-butyl phthalate	ND	5.0	"							

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:51

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081244 - EPA 3510C GCMS/ECD**

**Blank (0081244-BLK1)**

Prepared: 08/12/20 Analyzed: 08/15/20

1,2-Dichlorobenzene	ND	5.0	ug/l							
1,3-Dichlorobenzene	ND	5.0	"							
2,4-Dichlorophenol	ND	10	"							
Diethyl phthalate	ND	10	"							
2,4-Dimethylphenol	ND	5.0	"							
Dimethyl phthalate	ND	10	"							
4,6-Dinitro-2-methylphenol	ND	5.0	"							
2,4-Dinitrophenol	ND	10	"							
2,6-Dinitrotoluene	ND	20	"							
Di-n-octyl phthalate	ND	10	"							
Fluoranthene	ND	5.0	"							
Fluorene	ND	10	"							
Hexachlorobenzene	ND	20	"							
Hexachlorobutadiene	ND	10	"							
Hexachlorocyclopentadiene	ND	20	"							
Hexachloroethane	ND	5.0	"							
Indeno (1,2,3-cd) pyrene	ND	10	"							
Isophorone	ND	10	"							
2-Methylphenol	ND	10	"							
4-Methylphenol	ND	20	"							
Naphthalene	ND	5.0	"							
2-Nitroaniline	ND	10	"							
3-Nitroaniline	ND	10	"							
4-Nitroaniline	ND	20	"							
Nitrobenzene	ND	20	"							
2-Nitrophenol	ND	10	"							
N-Nitrosodiphenylamine	ND	10	"							
N-Nitrosodimethylamine	ND	25	"							
Phenanthrene	ND	10	"							
2,4,5-Trichlorophenol	ND	20	"							
2,4,6-Trichlorophenol	ND	10	"							
2,3,4,6-Tetrachlorophenol	ND	10	"							
2,3,5,6-Tetrachlorophenol	ND	10	"							
1,4-Dinitrobenzene	ND	10	"							
Pyridine	ND	10	"							

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 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 08/19/20 16:51

**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081244 - EPA 3510C GCMS/ECD**

**Blank (0081244-BLK1)**

Prepared: 08/12/20 Analyzed: 08/15/20

Surrogate: 2-Fluorophenol	90.2		ug/l	200		45.1	15-121			
Surrogate: Phenol-d6	74.8		"	200		37.4	24-113			
Surrogate: Nitrobenzene-d5	132		"	200		65.8	14.7-110			
Surrogate: 2-Fluorobiphenyl	143		"	200		71.4	33.3-110			
Surrogate: 2,4,6-Tribromophenol	145		"	200		72.5	12.9-110			
Surrogate: Terphenyl-d14	148		"	200		73.9	15.8-136			

**LCS (0081244-BS1)**

Prepared: 08/12/20 Analyzed: 08/15/20

Phenol	86.1	10	ug/l	200		43.0	12-89			
2-Chlorophenol	140	10	"	200		69.8	40-120			
1,4-Dichlorobenzene	127	10	"	200		63.5	33-94			
N-Nitrosodi-n-propylamine	165	5.0	"	200		82.6	40-120			
1,2,4-Trichlorobenzene	129	5.0	"	200		64.5	40-120			
4-Chloro-3-methylphenol	166	10	"	200		83.1	50-130			
Acenaphthene	132	10	"	200		66.0	50-130			
4-Nitrophenol	102	10	"	200		50.9	10-80			
2,4-Dinitrotoluene	146	10	"	200		73.0	55.9-117			
Pentachlorophenol	152	10	"	200		76.1	50-130			
Pyrene	109	10	"	200		54.3	26-127			
Surrogate: 2-Fluorophenol	99.9		"	200		50.0	15-121			
Surrogate: Phenol-d6	83.5		"	200		41.8	24-113			
Surrogate: Nitrobenzene-d5	132		"	200		66.1	14.7-110			
Surrogate: 2-Fluorobiphenyl	169		"	200		84.6	33.3-110			
Surrogate: 2,4,6-Tribromophenol	153		"	200		76.7	12.9-110			
Surrogate: Terphenyl-d14	163		"	200		81.3	15.8-136			

**LCS Dup (0081244-BSD1)**

Prepared: 08/12/20 Analyzed: 08/15/20

Phenol	70.9	10	ug/l	200		35.5	12-89	19.3	42	
2-Chlorophenol	137	10	"	200		68.5	40-120	1.89	40	
1,4-Dichlorobenzene	126	10	"	200		63.1	33-94	0.664	28	
N-Nitrosodi-n-propylamine	156	5.0	"	200		78.0	40-120	5.73	38	
1,2,4-Trichlorobenzene	137	5.0	"	200		68.6	40-120	6.22	28	
4-Chloro-3-methylphenol	166	10	"	200		82.9	50-130	0.253	42	
Acenaphthene	138	10	"	200		69.1	50-130	4.68	31	
4-Nitrophenol	101	10	"	200		50.6	10-80	0.433	50	
2,4-Dinitrotoluene	155	10	"	200		77.4	55.9-117	5.96	30	

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Mike Jaroudi, Project Manager



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:51
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**Semivolatile Organic Compounds by EPA Method 8270C - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081244 - EPA 3510C GCMS/ECD**

**LCS Dup (0081244-BSD1)**

Prepared: 08/12/20 Analyzed: 08/15/20

Pentachlorophenol	153	10	ug/l	200		76.6	50-130	0.616	50	
Pyrene	110	10	"	200		54.9	26-127	1.03	31	
Surrogate: 2-Fluorophenol	97.0		"	200		48.5	15-121			
Surrogate: Phenol-d6	68.8		"	200		34.4	24-113			
Surrogate: Nitrobenzene-d5	134		"	200		67.2	14.7-110			
Surrogate: 2-Fluorobiphenyl	141		"	200		70.5	33.3-110			
Surrogate: 2,4,6-Tribromophenol	162		"	200		80.8	12.9-110			
Surrogate: Terphenyl-d14	164		"	200		82.2	15.8-136			

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:51
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**Conventional Chemistry Parameters by APHA/EPA/ASTM Methods - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081238 - General Preparation**

<b>Duplicate (0081238-DUP1)</b>	<b>Source: T203019-01</b>		Prepared & Analyzed: 08/12/20							
pH	7.59	0.10	pH Units		7.59			0.00	20	O-04

**Batch 0081246 - General Preparation**

<b>Blank (0081246-BLK1)</b>	Prepared: 08/12/20 Analyzed: 08/13/20									
Total Dissolved Solids	ND	10	mg/l							

<b>LCS (0081246-BS1)</b>	Prepared: 08/12/20 Analyzed: 08/13/20									
Total Dissolved Solids	456	10	mg/l	500		91.2	80-120			

<b>Duplicate (0081246-DUP1)</b>	<b>Source: T203019-01</b>		Prepared: 08/12/20 Analyzed: 08/13/20							
Total Dissolved Solids	96.0	10	mg/l		100			4.08	20	

SunStar Laboratories, Inc.

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 08/19/20 16:51
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**Anions by EPA Method 300.0 - Quality Control**

**SunStar Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0081248 - General Preparation**

<b>Blank (0081248-BLK1)</b>				Prepared & Analyzed: 08/12/20						
Nitrate as NO3	ND	0.500	mg/l							
Nitrate as N	ND	0.200	"							
<b>LCS (0081248-BS1)</b>				Prepared & Analyzed: 08/12/20						
Nitrate as NO3	25.8	0.500	mg/l	25.0		103	75-125			
<b>Matrix Spike (0081248-MS1)</b>				Source: T203019-01 Prepared & Analyzed: 08/12/20						
Nitrate as NO3	42.3	0.500	mg/l	25.0	17.7	98.3	75-125			
<b>Matrix Spike Dup (0081248-MSD1)</b>				Source: T203019-01 Prepared & Analyzed: 08/12/20						
Nitrate as NO3	42.4	0.500	mg/l	25.0	17.7	98.8	75-125	0.323	20	

SunStar Laboratories, Inc.

*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.*

Mike Jaroudi, Project Manager



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
08/19/20 16:51

### Notes and Definitions

- O-04 This sample was received and analyzed outside the EPA recommended holding time.
- AO-1 Dissolved
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

---

SunStar Laboratories, Inc.

*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.*

---

Mike Jaroudi, Project Manager

25712 Commercentre Drive, Lake Forest, CA 92630  
 949-297-5020

Client: BRUSCA ASSOCIATES, INC.  
 Address: PO Box 332, ROSEVILLE, CA 95661  
 Phone: (916) 677-1470 Fax: (916) 677-1471  
 Project Manager: JOE BRUSCA

Date: 8/11/2020 Page: 1 Of 1  
 Project Name: FEDRICK ROAD PROPERTY  
 Collector: BRUSCA Client Project #: 347-001  
 Batch #: T203020 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY TDS	8260 BTEX, OXY only NITRATES	8270	8924-BTEX PCBs	8915M (gasoline) PH	8015M (diesel)	8015M EXL/Carbon Chain	6010/7000 Title 22 Metals *	6020 ICP-MS Metals	ORGANOCHEMICAL PESTICIDES	CHEMISTRY HERBICIDES	Comments/Preservative	Total # of containers
01	FB-W	8/11/20	AM	WATER	VOAS POLY-FAM 502-1	X	X	X	X	X	X	X	X	X	X	X	X		
Relinquished by: (signature) <u>[Signature]</u> Date / Time <u>8/11/20 11:00</u>						Received by: (signature) <u>[Signature]</u> Date / Time <u>8/11/20 1100</u>						Total # of containers		Notes * PLEASE FRICTER SAMPLE PRIOR TO METALS ANALYSIS					
Relinquished by: (signature) <u>[Signature]</u> Date / Time <u>8-12-20 9:30</u>						Received by: (signature) <u>[Signature]</u> Date / Time <u>8-12-20 9:30</u>						Chain of Custody seals <input checked="" type="checkbox"/> N/NA Seals intact? <input checked="" type="checkbox"/> N/NA							
Relinquished by: (signature) _____ Date / Time _____						Received by: (signature) _____ Date / Time _____						Received good condition/cold? <input checked="" type="checkbox"/> F							

Sample disposal Instructions: Disposal @ \$2.00 each \_\_\_\_\_ Return to client \_\_\_\_\_ Pickup \_\_\_\_\_

COC 191653

Turn around time: NORMAL

# APPENDIX B

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- **Drilling Permit Documentation**





**DEPARTMENT OF RESOURCE MANAGEMENT  
ENVIRONMENTAL HEALTH SERVICES**

675 TEXAS ST., SUITE 5500  
FAIRFIELD CA 94533  
(707) 784-6765

# **BORING PERMIT**

## **W2020-0150**

**Status:** Issued  
**Expiration Date:** 8/8/2021  
**Site Location:** Soil Borings at 8405 Pedrick Road in Dixon  
**SWEEPS #:** 805241  
**APN(s):** 0111040010

<b>Boring Type</b>					
<u>Number</u>	<u>Type</u>	<u>Method</u>	<u>Depth</u>	<u>Width</u>	<u>Material</u>
8	Environmental	Pneumatic or Direct Push	30	2	Neat Cement

**Project Description:** Eight direct push soil borings to be advanced to ~30ft and abandoned immediately after soil and groundwater collection by tremie grout.

**Property Owner:**  
Ocala Meadows Land LLC  
455 Magna Drive  
Aurora, Ontario L4G 7A9

**Well Owner:**  
Ocala Meadows Land LLC  
455 Magna Drive  
Aurora, Ontario L4G 7A9

**Well Driller:**  
Confluence Environmental  
6821 8th Street  
Rio Linda, CA 95673

**Consultant:**  
Brusca Associates, Inc.  
PO Box 332  
Roseville, CA 95746

*Applicant shall submit a report of finding to Environmental Health Services Division within sixty days after completion of field work*

**NON TRANSFERABLE**

**THIS PERMIT IS ISSUED SUBJECT TO ALL STATE LAWS AND ORDINANCES IN THE COUNTY OF SOLANO, STATE OF CALIFORNIA, AND IS REVOCABLE FOR VIOLATION AT ANY TIME. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE APPROVED APPLICATION.**

*Call (707) 784-6765 to schedule an inspection a minimum of 24 hours prior to conducting the field work.*

---

## Central Valley Regional Water Quality Control Board

23 September 2020

Mr. Alexander Mokin  
The Stronach Group  
455 Magna Drive  
Aurora, Ontario L4G7A9

### **WELL DESTRUCTION REQUEST, DIXON DOWNS (FORMER MISTLER TRUCKING CO.) DIESEL FUEL RELEASE, 8405 PEDRICK ROAD, DIXON, SOLANO COUNTY**

In February 2005, soil sample analytical results indicated that petroleum hydrocarbons had impacted soil at the former location of an above-ground storage tank (AST) storing diesel fuel at 8405 Pedrick Road in Dixon, Solano County (Site). In May 2005, groundwater sample analytical results indicated that petroleum hydrocarbons had also impacted groundwater at the Site. In response, Magna Entertainment Corporation, the property owner at the time, remediated the Site by excavating approximately 930 cubic yards of soil from the former AST area.

On 31 March 2011, Conestoga-Rovers & Associates (CRA) submitted their *No Further Action Required Request and Groundwater Monitoring Report – Third Quarter 2010 (NFAR Request)* on behalf of Ocala Meadows Lands, LLC. The *NFAR Request* recommended no further action for the former AST area. Case files do not include a response from Solano County Department of Resource Management (SCDRM), the lead regulatory agency at the time, to the *NFAR Request*. Case files also do not include a report documenting the destruction of the four groundwater monitoring wells installed by CRA in March 2007 (MW-1 through MW-4) and the pre-existing monitoring well (MW-X) which CRA staff discovered during well installation activities. On 15 September 2020, SCDRM staff visited the Site and located four of the five monitoring wells in the former AST area.

On 30 June 2019, SCDRM discontinued their site mitigation program and transferred their remaining cases to the Central Valley Regional Water Quality Control Board (Central Valley Water Board). To date, Central Valley Water Board staff has not opened a Cleanup Program case dedicated to the on-Site diesel fuel release. Instead, files associated with the diesel fuel release have been saved to the Site Land Disposal case (Global ID #SL0609748481) on the State Water Resources Control Board's GeoTracker database.

Central Valley Water Board staff has reviewed case files related to the diesel fuel release and concluded that the available data do not warrant opening a Cleanup Program case dedicated to the AST release. Central Valley Water Board staff does not request additional Site investigation related to the diesel fuel release at this time. Instead, Central Valley Water

---

KARL E. LONGLEY ScD, P.E., CHAIR | PATRICK PULUPA, ESQ., EXECUTIVE OFFICER

Board staff plans to designate the AST release as a Non-Case Informational Item. Prior to designating the AST release as a Non-Case Informational Item, please submit a report documenting completion of the following tasks:

1. The proper destruction of the Site's groundwater monitoring wells. SCDRM maintains jurisdictional authority for well destruction; therefore, you should contact SCDRM to obtain all applicable permits and clearances required to properly destroy all Site wells, and are to comply with all applicable SCDRM directives.
2. The removal and proper disposal of all soil and/or groundwater waste generated as a result of well destruction.

All reports and correspondence are to be electronically uploaded to the State Water Resources Control Board's GeoTracker database. If you have any questions or comments, please contact me at (916) 464-4707 or via e-mail at [geoff.rader@waterboards.ca.gov](mailto:geoff.rader@waterboards.ca.gov).



*[Handwritten signature of Geoffrey Rader]*

Geoffrey Rader, P.E. #C80249  
Water Resource Control Engineer

*[Handwritten signature of Joseph E. Mello]* 23 Sep 20 20  
Joseph E. Mello, CHG 545  
Senior Engineering Geologist

cc: Marcy Hannum, Solano County Dept. of Resource Management, Fairfield  
Keith Walker, Cox, Castle & Nicholson LLP, Los Angeles  
Steve Gidaro, 5G Consulting Group, LLC, Sacramento



November 8, 2022

Dixon Venture LLC  
Attention: Steve Gidaro  
401 Watt Avenue, Suite 4  
Sacramento, CA 95864

**POST-EXCAVATION SOIL GAS SURVEY  
ABANDONED MISTLER FARM LANDFILL CLEAN CLOSURE  
PEDRICK ROAD PROPERTY  
APN 111-040-010  
8405 Pedrick Road  
Dixon, Solano County, California  
*Brusca Reference No. 347-001***

## INTRODUCTION

As requested, our firm conducted a post-excavation soil gas survey in the area of the former landfill at the subject site. Late last year, wastes within the landfill were excavated and removed from the property for proper offsite disposal as a part of the regulatory clean closure process for the former landfill; the results of observations and verification testing during the waste excavation work confirmed that all landfilled wastes were removed and that no soil contaminants remained. The purpose of the post-excavation soil gas survey has been to evaluate whether any residual volatile organic compound (VOC) impact exists in soil gas in the area of the former landfill, and if so, to identify any such impacted area(s) to be deed restricted to limit certain future uses. This report includes: background information regarding the property and the landfill clean closure process; a description of the post-excavation soil gas sampling activities; the laboratory data; and, discussion regarding the results. This report will be presented to the oversight agency for review as a part of the clean closure regulatory process.

A *Vicinity Map* and an *Aerial Photograph* showing the location of the subject site are presented as Plates 1 and 2. Plate 3 is a detail map of the landfill area showing the confirmed/removed limits of the landfill and the soil gas sampling locations. Pre-excavation soil gas analytical data obtained during site characterization work in 2020 are presented on Table I. The post-excavation soil gas analytical results are summarized on Table II, and the analytical laboratory reports and chain-of-custody documentation are attached.



## SITE DESCRIPTION AND BACKGROUND

### Site Description

The former Mistler Farm property occupies an approximate seven-acre area within the far southwesterly portion of APN 111-040-010 northeasterly of Dixon in Solano County, California (see Plate 1). The property is addressed as 8405 Pedrick Road, and the area of the former farm facility is situated about 1,600 feet westerly of Pedrick Road and about 1,300 feet southerly of Interstate 80 (see Plates 1 and 2). The former farm facility area is relatively flat, vacant, and generally bordered by irrigation ditches, beyond which are farmed areas. The former farm facility area currently is vacant and unused. Irrigation ditches generally border the abandoned landfill area to the west, north and south. An irrigation water standpipe and associated horizontal supply pipe at ground level are situated southwesterly of the former landfill area; we understand that these irrigation water features are connected to a major, north-south trending underground Solano Irrigation District supply line westerly of the former landfill beneath the unpaved farm access road in that area.

It is indicated that an open pit was excavated within the far westerly portion of the former Mistler Farm facility around the early 1970s, and that various wastes (presumably generated at the farm facility) were disposed/landfilled in the pit. Historical aerial photography indicates that the former pit measured about 40 feet wide by about 160 feet long.

### 2020 Site Characterization Work

Our firm conducted a *Site Investigation* of the landfill area in 2020 that included: review of past investigations and historical aerial photography of the landfill; a geophysical survey of the landfill area; exploratory trenching within the landfill and the collection of landfilled waste and underlying soil samples for laboratory analysis; the advancement of borings within and surrounding the landfill and the collection of groundwater samples from the borings for laboratory analysis; the installation of temporary soil gas probes within and surrounding the landfill and the collection of soil gas samples from the probes for laboratory analysis; and, evaluation of the results.<sup>1</sup> Based on the results of the *Site Investigation*, it was determined that clean closure of the abandoned landfill via waste excavation and offsite disposal was feasible and appropriate.

The locations of the soil gas samples collected as part of the landfill characterization work in 2020 are shown on Plate 3, and the soil gas analytical results are summarized on Table I. It is favorable that none of the soil gas samples collected as part of the landfill characterization work contained methane (a common landfill gas contaminant) at concentrations above the laboratory reporting limits. However, the 2020 soil gas samples contained some of the tested VOCs. Most of the concentrations of the detected VOCs in the 2020 soil gas samples were considered very low and are below Environmental Screening Levels (ESLs) published by the San Francisco Regional Water Quality Control Board.<sup>2</sup> However, tetrachloroethene (PCE), trichloroethene (TCE), benzene, and chloroform were detected in some of the soil gas samples at concentrations

<sup>1</sup> Brusca Associates, Inc.; "Site Investigation, Abandoned Mistler Farm Landfill, Pedrick Road Property, 8405 Pedrick Road, Dixon, Solano County, California"; September 21, 2020.

<sup>2</sup> San Francisco Regional Water Quality Control Board; "Environmental Screening Levels"; July 2019.



that exceed ESL values. PCE and TCE are industrial solvents and may have been used at the former farm facility (such as at the equipment repair garage at the facility) and waste solvents may have been disposed in the landfill. The benzene in soil gas may be the result of past disposal of fuels to the landfill. We noted that, despite the detection of PCE, TCE and benzene in soil gas in the area of the landfill, it was favorable that these VOCs were not detected in the groundwater samples collected at the site, except for a very low concentration of benzene (below the drinking water MCL) in one of the groundwater samples (collected beneath the landfill).

### **Clean Closure Plan**

We prepared a *Clean Closure Plan* for the landfill dated February 24, 2021.<sup>3</sup> The *Clean Closure Plan* included a description of planned excavation and removal of all landfilled wastes at the site. The *Clean Closure Plan* indicated that a post-excavation soil gas survey would be performed within the abandoned landfill area to evaluate whether any residual VOCs exists in soil gas in that area and to identify any area(s) that may need to be subject to land use restrictions as a result of any identified indoor air VOC vapor intrusion concerns. The Solano County Department of Resource Management (SCDRM) is the lead enforcement agency (LEA) for oversight of landfills within Solano County per the provisions of California Code of Regulations Title 27. The *Clean Closure Plan* for the former landfill was submitted to the SCDRM for review; following consultation with CalRecycle (formerly the California Integrated Waste Management Board) and the Central Valley Regional Water Quality Control Board (CVRWQCB), the SCDRM prepared an approval letter for the *Clean Closure Plan* dated August 26, 2021.

### **Waste Excavation and Removal**

The wastes contained in the former abandoned landfill at the subject property were completely excavated in November 2021 and subsequently removed from the site for proper offsite disposal in accordance with the provisions of the approved *Clean Closure Plan*. The resulting excavation was subsequently backfilled with clean soils. The results of our observations and verification testing during the waste excavation work confirmed that all landfilled wastes were removed and that no soil contaminants remained. Our firm prepared a *Verification Report* for the waste excavation work dated April 11, 2022.<sup>4</sup>

### **Post-Excavation Soil Gas Survey Workplan**

As prescribed in the approved *Clean Closure Plan*, we prepared a *Workplan* dated April 15, 2022 for a post-excavation soil gas survey to evaluate any residual VOCs in soil gas in the area of the removed landfill.<sup>5</sup> The SCDRM indicated approval of the *Workplan* in a letter dated April 19, 2022.

<sup>3</sup> Brusca Associates; "Clean Closure Plan, Abandoned Mistler Farm Landfill, Pedrick Road Property, APN 111-040-010, 8405 Pedrick Road, Dixon, Solano County, California"; February 24, 2021.

<sup>4</sup> Brusca Associates, Inc.; "Verification Report, Waste Excavation and Offsite Disposal, Abandoned Mistler Farm Landfill, Pedrick Road Property, APN 111-040-010, 8405 Pedrick Road, Dixon, Solano County, California"; April 11, 2022.

<sup>5</sup> Brusca Associates, Inc.; "Workplan for Post-Excavation Soil Gas Survey, Abandoned Mistler Farm Landfill, Pedrick Road Property, APN 111-040-010, 8405 Pedrick Road, Dixon, Solano County, California"; April 15, 2022.



## SOIL GAS SAMPLING AND LABORATORY TESTING

### General

The post-excavation soil gas sampling and testing were performed in accord with standard environmental protocol and the provisions of the referenced approved *Workplan*. Prior to the installation of the soil gas probes, we marked the sampling locations and contacted Underground Service Alert to clear the locations of underground utilities. All work was overseen by a Professional Geologist from our office. The laboratory testing was performed by a State-certified analytical laboratory.

### Soil Gas Probe Installation and Sampling

The initial temporary soil gas probes for the post-excavation soil gas survey were installed on June 2, 2022 at the locations established in *Workplan*. The locations of those probes (identified as SG 13 through SG34) are shown on Plate 3. In general, the probes were installed at locations within and surrounding the former landfill area. At each sampling location, a temporary soil gas probe was installed to the target depth using a truck-mounted direct push (Geoprobe) drill rig by a C57-licensed drilling contractor. Soil gas probes SG13, SG15, SG17, SG19, SG21, SG23, SG25, SG27, SG29, SG31, and SG33 were advanced to a depth of 9 feet and one-eighth-inch diameter Nylaflo tubing fitted with a sampling tip was emplaced within each of these soil gas probes/holes to a depth of about 6.5 feet; sand was placed within these probe holes from the total depth of 9 feet to a depth of 4 feet (thus creating a permeable soil gas sampling depth interval of 4 feet to 9 feet in these probes). As shown on Plate 3, the remainder of the soil gas probes (SG14, SG16, SG18, SG20, SG22, SG24, SG26, SG28, SG30, SG32, and SG34) were installed at paired locations with the other probes and were advanced to a depth of 14 feet (approximate maximum depth of wastes within the landfill) and one-eighth-inch diameter Nylaflo tubing fitted with a sampling tip was emplaced within each of these soil gas probes/holes to a depth of about 11.5 feet; sand was placed within these probe holes from the total depth of 15 feet to a depth of 9 feet (thus creating a soil gas sampling depth interval of 9 feet to 14 feet in these probes). The portions of all probe holes above the sanded interval were sealed to the surface with hydrated bentonite.

Soil gas sampling was performed on June 6, 2022, four days after installation of the soil gas probes (to allow for soil gas equilibration within the probes). Prior to sampling, the soil gas probes were purged via an air pump remove stagnant or ambient air within the sampling/tubing assemblies. Thereafter, a soil gas sample was collected from each probe via vacuum in a laboratory-provided, one-liter Summa canister.

Based on the results of the initial soil gas sampling/testing, it was determined that step-out soil gas sampling was necessary to further evaluate/define the extent of residual VOC soil gas impacts at the site. Due to farming activities at the site (specifically to the north of the former landfill), access was not available to conduct the step-out sampling until early October 2022. The step-out soil gas probes (identified a SG35 through SG44) were installed on October 4, 2022 and sampled on October 6, 2022 according to the same procedures described above for the initial sampling performed in June 2022. Soil gas probes SG35, SG37, SG39, SG41 and SG43 were installed



within the shallow depth interval, and soil gas probes SG36, SG38, SG40, SG42, and SG44 were installed within the deeper depth interval.

During sampling at each of the soil gas probes, a shroud was placed over the ground surface and sampling equipment, and a leak check gas (1,1 difluoroethane) was used to evaluate whether the sampling apparatus and sealed annular space within the probe holes were tight and leak-free. As shown in the appended laboratory reports, 1,1 difluoroethane was not detected in any of the soil gas samples at concentrations above the laboratory reporting limit. As such, it is not indicated that breakthrough of ambient air occurred during the post-excavation soil gas sampling activities.

Following collection of the soil gas samples, the soil gas probes were removed, and the probe holes were abandoned.

### **LABORATORY TESTING**

Soil gas samples collected at the site were transported to a State-certified analytical laboratory (Sunstar Laboratories, Inc.) under chain-of-custody. The initial post-excavation soil gas samples collected at the site in June 2022 were submitted for analysis for a full suite of VOCs by EPA Method TO-15. The step-out soil gas samples collected in October 2022 were submitted for analysis for the VOCs that were determined to be elevated in one or more of the June 2022 soil gas samples (PCE, TCE, benzene, and chloroform) by EPA Method TO-15. The post-excavation soil gas analytical results are summarized on the attached Table II and the laboratory reports and chain-of-custody documentation are attached. Quality control/quality assurance information is included in the laboratory reports.

### **RESULTS AND DISCUSSION**

As shown on Table II and the attached laboratory reports, the post-excavation soil gas samples contained some of the tested VOCs at concentrations above the laboratory reporting limits. However, the vast majority of VOC detections are very low and below ESL values for both residential and commercial/industrial sites. As shown on Table I, a few of the soil gas samples collected during the initial post-excavation soil gas sampling conducted in June 2022 contained specific VOCs (PCE, TCE, benzene, and/or chloroform) at concentrations above ESL values. As such, we conducted step-out sampling in October 2022 to further evaluate the extent of these impacts. The step out soil gas sampling did not identify elevated concentrations of the tested VOCs with respect to residential or commercial/industrial ESL values, except that two of the soil gas samples (SG36 and SG38) contained benzene at concentrations (3.8 micrograms per cubic meter [ug/m<sup>3</sup>] and 4.0 ug/m<sup>3</sup>) that are slightly above the very conservative residential ESL value of 3.2 ug/m<sup>3</sup>. We note that soil gas samples SG36 and SG38 were collected within the deeper depth interval (nine to 14 feet) and that the co-located soil gas samples in the shallow depth interval (four to nine feet) did not contain elevated concentrations of benzene. Considering that the shallow data is more relevant to evaluation of future vapor intrusion risks, it is our opinion that the benzene results for the deeper samples SG36 and SG38 are not a significant concern, and





that those locations are appropriate for establishing limits for a residential deed-restricted area (as discussed below).

As shown on Table II, some of the initial post-excavation soil gas samples contained methylene chloride, and two of the samples (SG16 and SG20) contained that VOC at concentrations that are somewhat elevated. However, as shown on the attached laboratory report dated June 17, 2022, the laboratory's chemist noted that methylene chloride is a common laboratory contaminant and also was detected in the laboratory method blank sample. Methylene chloride was not detected in the pre-excavation soil gas samples and is not considered a potential contaminant of concern at the site.

### **RECOMMENDED DEED RESTRICTION AREAS**

As outlined in the *Post-Excavation Soil Gas Survey Workplan*, we have considered the results of the post-excavation soil gas testing in the context of determining appropriate areas for future land use restrictions. To establish such areas, we have compared the post-excavation soil gas results to the referenced ESL values for both residential and commercial/industrial usage. We note that published ESL values are conservative and may overestimate actual vapor intrusion risks for buildings constructed utilizing modern building methods.

The recommended area for establishing a deed restriction to prohibit future residential structures is shown on Plate 4; the deed restriction for this area should also prohibit other sensitive uses such as hospitals, day car facilities, and schools. The recommended area for establishing a deed restriction to prohibit future commercial/industrial structures is shown on Plate 5. We note that it may be possible to allow for some construction within the deed restricted areas provided that agency-approved vapor intrusion mitigation measures (such as properly designed vapor barriers and venting systems) are implemented; those provisions/allowances may be included in the deed restriction documentation. We suggest that the actual deed restriction format and details be based on your future intentions for the property and agency requirements. Our firm could assist with coordination of deed restriction development and processing upon request; we also would suggest involvement and review by your legal counsel as a part of the deed restriction process. Additionally, we suggest that the deed restriction areas be surveyed documented by a licensed surveyor, and the professional land survey be included in the deed restriction documentation.



## CLOSING

This *Post-Excavation Soil Gas Survey* report will be presented to the SCDRM for review and approval. If you have any questions or require additional information, please contact the undersigned at (916) 677-1470.

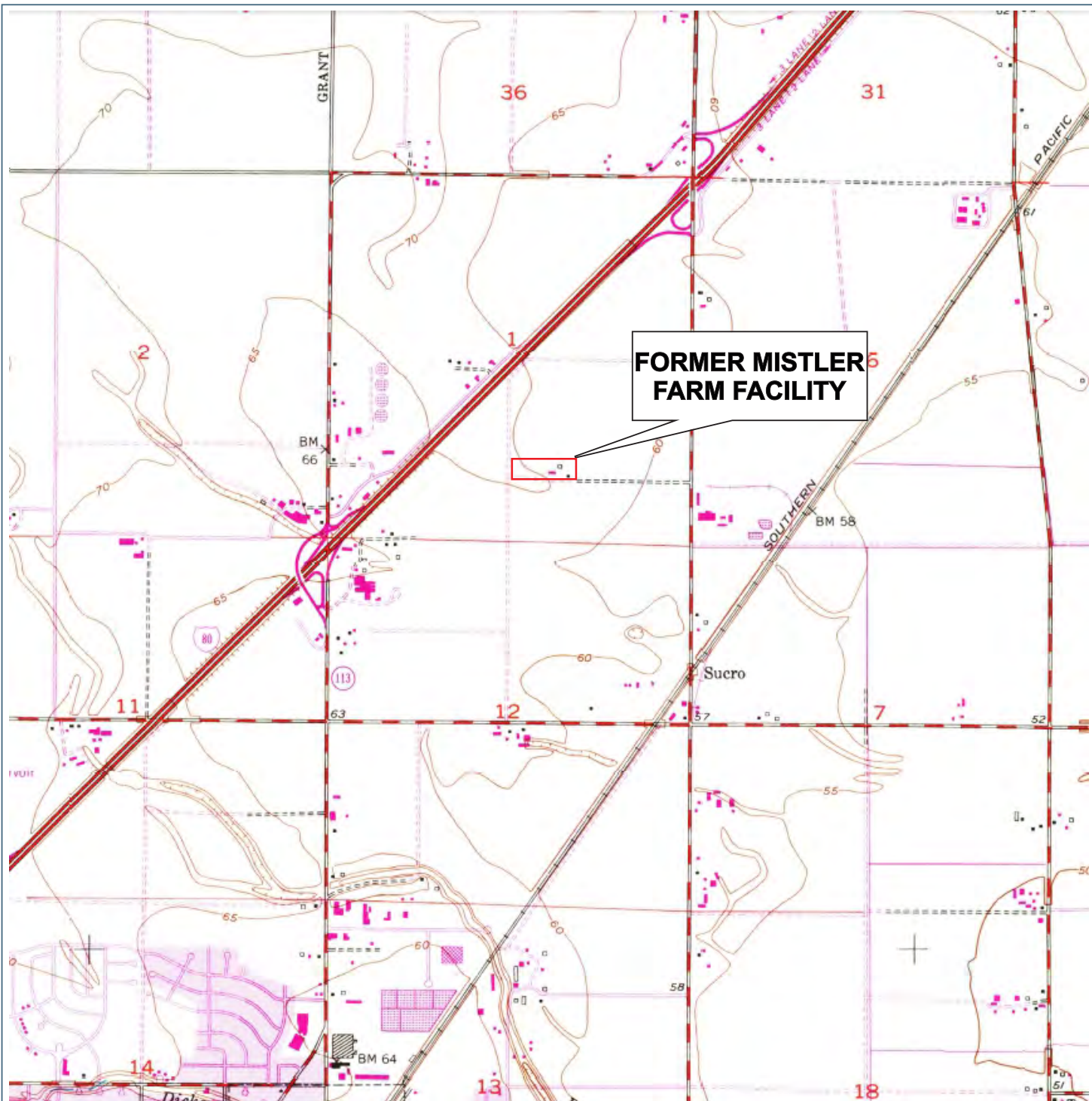
Sincerely,

**BRUSCA ASSOCIATES, INC.**

Joe Brusca  
Principal Engineering Geologist  
Certified Engineering Geologist No. 1948



Attachments: Plate 1, *Vicinity Map*  
Plate 2, *Aerial Photograph*  
Plate 3, *Soil Gas Sampling Locations*  
Plate 4, *Recommended Residential Deed Restriction Area*  
Plate 5, *Recommended Commercial/Industrial Deed Restriction Area*  
Table I – Summary of Pre-Excavation Soil Gas Analytical Data  
Table II – Summary of Post-Excavation Soil Gas Analytical Data  
Laboratory Reports and Chain-of-Custody Documentation



SOURCE: U.S.G.S. 7.5-minute Dixon Quadrangle, California, 1981  
 Scale 1:24,000



**Brusca**  
 Associates, Inc.

Environmental Engineering Geology  
 1860 Sierra Gardens Drive, # 332  
 Roseville, CA 95661  
 ph (916) 677-1470 fax (916) 677-1471  
 BruscaAssociates.com

POST-EXCAVATION SOIL GAS SURVEY  
 ABANDONED MISTLER FARM LANDFILL

8405 Pedrick Road  
 Dixon, California

*Brusca Project No. 347-001*

**VICINITY MAP**

PLATE 1



SEE DETAIL MAP,  
PLATE 3

FORMER  
LANDFILL

AREA OF FORMER  
MISTLER FARM  
FACILITY

DRIVEWAY

CAMPBELL SOUP  
SUPPLY COMPANY

RAILROAD TRACKS

VAUGHN ROAD



APPROXIMATE SCALE IN FEET



All features and locations are approximate only



**Brusca**  
Associates, Inc.

Environmental Engineering Geology  
1860 Sierra Gardens Drive, # 332  
Roseville, CA 95661  
ph (916) 677-1470 fax (916) 677-1471  
BruscaAssociates.com

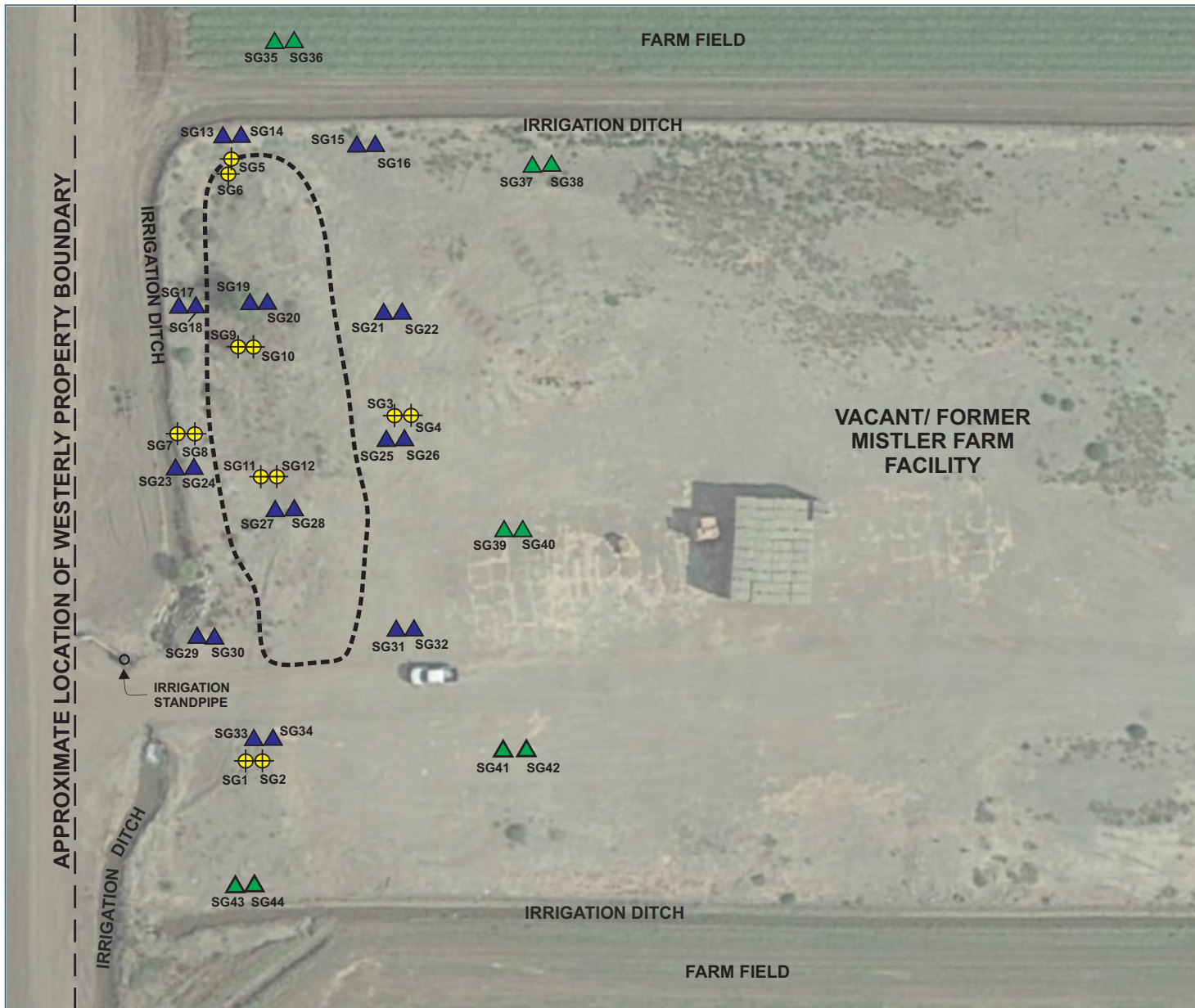
POST-EXCAVATION SOIL GAS SURVEY  
ABANDONED MISTLER FARM LANDFILL

8405 Pedrick Road  
Dixon, California

Brusca Project No. 347-001

**AERIAL  
PHOTOGRAPH**

PLATE 2



- Approximate limit of removed landfill
- ⊕ Pre-excitation soil gas sampling location, September 2020
- ▲ Post-excitation soil gas sampling location, June 2022
- ▲ Post-excitation step-out soil gas sampling location, October 2022



All features and locations are approximate only




**Brusca**  
 Associates, Inc.  
 Environmental Engineering Geology  
 1860 Sierra Gardens Drive, # 332  
 Roseville, CA 95661  
 ph (916) 677-1470 fax (916) 677-1471  
 BruscaAssociates.com

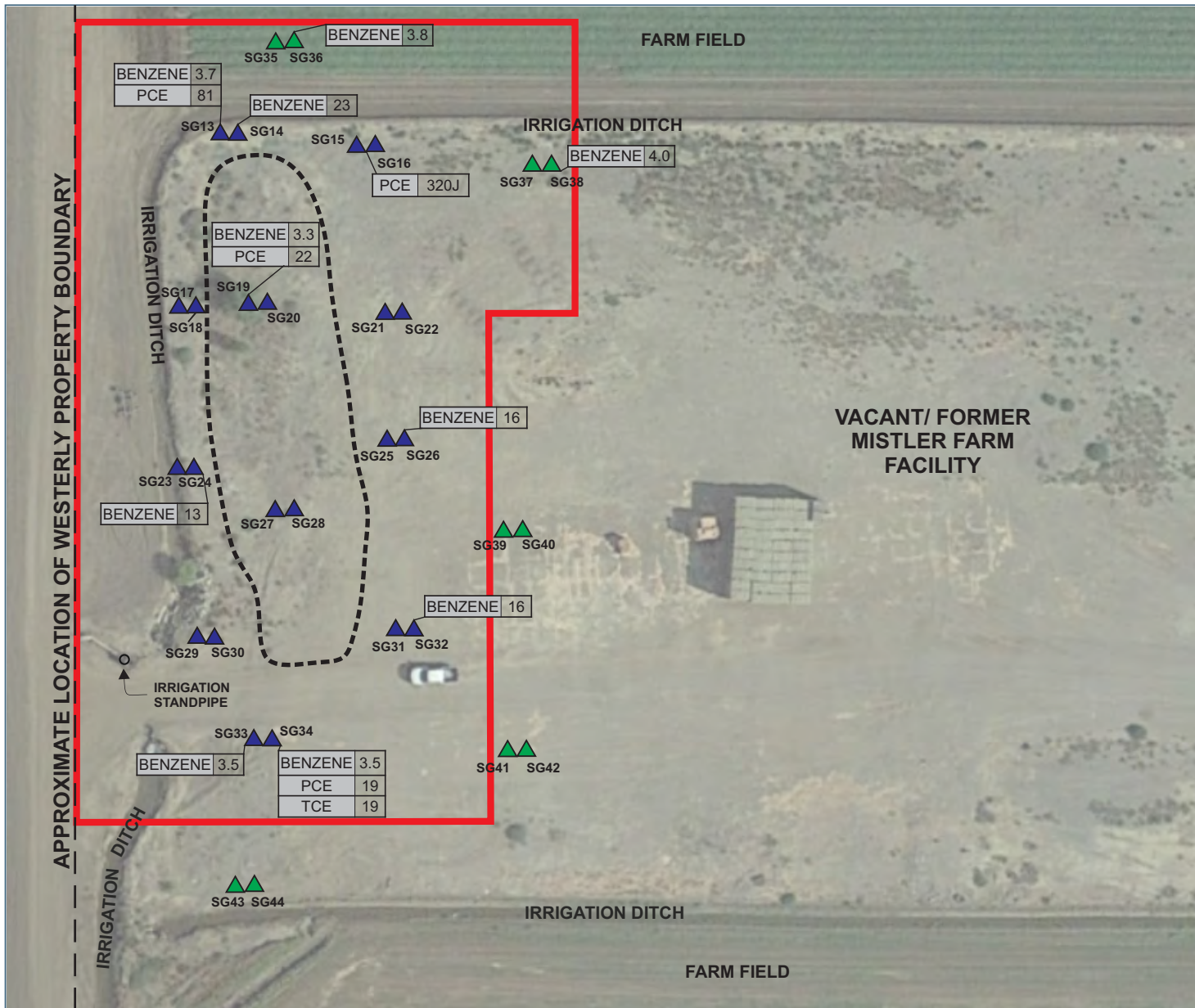
**POST-EXCAVATION SOIL GAS SURVEY  
ABANDONED MISTLER FARM LANDFILL**

**8405 Pedrick Road  
Dixon, California**

**Brusca Project No. 347-001**

**SOIL GAS  
SAMPLING LOCATIONS**

PLATE 3



- Approximate limit of removed landfill
- ▲ Post-excitation soil gas sampling location, June 2022
- ▲ Post-excitation step-out soil gas sampling location, October 2022

Soil gas VOC concentrations exceeding residential ESL values are shown (in ug/m<sup>3</sup>)

- Benzene Residential ESL = 3.2 ug/L
- PCE Residential ESL = 15 ug/L
- TCE Residential ESL = 16 ug/L

J = Analyte detected at a concentration above the MDL but below the standard reporting limit, concentration is estimated

— Limit of recommended residential deed restriction area



All features and locations are approximate only

 **Brusca**  
Associates, Inc.  
Environmental Engineering Geology  
1860 Sierra Gardens Drive, # 332  
Roseville, CA 95661  
ph (916) 677-1470 fax (916) 677-1471  
BruscaAssociates.com

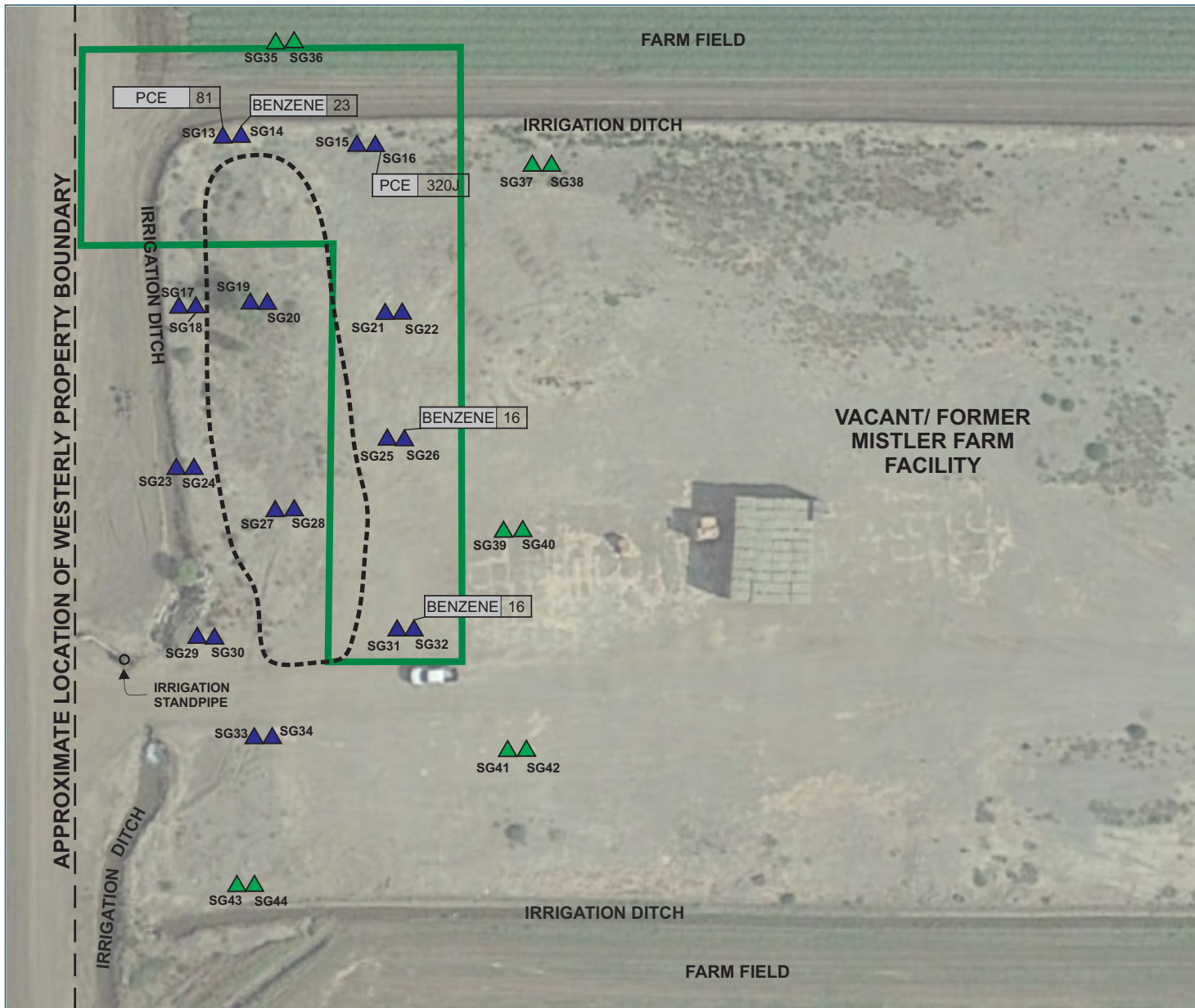
**POST-EXCAVATION SOIL GAS SURVEY  
ABANDONED MISTLER FARM LANDFILL**

**8405 Pedrick Road  
Dixon, California**

**Brusca Project No. 347-001**

**RECOMMENDED  
RESIDENTIAL DEED  
RESTRICTION AREA**

PLATE 4



- Approximate limit of removed landfill
- ▲ Post-excitation soil gas sampling location, June 2022
- ▲ Post-excitation step-out soil gas sampling location, October 2022

Soil gas VOC concentrations exceeding commercial/industrial ESL values are shown (in ug/m<sup>3</sup>)

Benzene Commercial/Industrial ESL = 14 ug/m<sup>3</sup>

PCE Commercial/Industrial ESL = 67 ug/m<sup>3</sup>

J = Analyte detected at a concentration above the MDL but below the standard reporting limit, concentration is estimated

— Limit of recommended commercial/industrial deed restriction area



All features and locations are approximate only



**Brusca**  
Associates, Inc.

Environmental Engineering Geology  
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BruscaAssociates.com

**POST-EXCAVATION SOIL GAS SURVEY  
ABANDONED MISTLER FARM LANDFILL**

8405 Pedrick Road  
Dixon, California

**Brusca Project No. 347-001**

**RECOMMENDED  
COMMERCIAL/INDUSTRIAL  
DEED RESTRICTION AREA**

PLATE 5

**TABLE I**  
**SUMMARY OF PRE-EXCAVATION SOIL GAS ANALYTICAL DATA**  
**ABANDONED MISTLER FARM LANDFILL**  
**PEDRICK ROAD PROPERTY**

8405 Pedrick Road, Dixon, Solano County, California

Brusca File No. 347-001

Sample Location (See Plate 3)	Sampled Depth Interval (feet)	Date	FIXED GASES				VOLATILE ORGANIC COMPOUNDS (VOCs)																			
			Carbon Dioxide	Oxygen	Nitrogen	Methane	1,1-Difluoroethane	Acetone	1,3-Butadiene	Chloroform	Carbon Disulfide	Heptane	Hexane	Dichlorodifluoromethane	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Trichlorofluoromethane	1,3,5-Trimethylbenzene	1,2,4-Trimethylbenzene	2-Butanone (MEK)	Benzene	Toluene	Ethylbenzene	Xylenes	Other VOCs (see lab report)	
SG1	4-9	9/2/2020	1.55	20.7	77.8	ND	910	43	ND	ND	ND	ND	15	ND	11	ND	ND	ND	7.8	15	ND	8.4	ND	15	ND	
SG2	9-14	9/2/2020	1.87	18.8	78.3	ND	ND	55	ND	ND	58	5.9	30	ND	51	ND	ND	ND	19	28	7.7	38	9.2	38	ND	
SG3	4-9	9/2/2020	1.00	20.5	77.7	ND	ND	ND	ND	ND	6.7	ND	ND	ND	ND	ND	ND	ND	12	13	ND	8.6	4.1	22	ND	
SG4	9-14	9/2/2020	1.97	9.04	86.6	ND	ND	ND	ND	8.5	59	ND	20	ND	11	ND	ND	5.1	21	77	11	33	8.3	38	ND	
SG5	4-9	9/2/2020	1.00	19.8	79.0	ND	ND	29	ND	ND	7.8	ND	ND	ND	12	ND	ND	ND	13	23	ND	10	4.8	21	ND	
SG6	9-14	9/2/2020	1.02	18.5	79.4	ND	ND	ND	ND	ND	31	5.0	43	ND	18	ND	ND	ND	12	36	6.9	29	7.1	31	ND	
SG7	4-9	9/2/2020	0.45	20.1	78.9	ND	ND	31	ND	ND	6.6	ND	8.8	ND	ND	ND	ND	ND	11	25	ND	6.0	ND	15	ND	
SG8	9-14	9/2/2020	ND	15.4	81.3	ND	72	ND	29	ND	70	ND	100	ND	22	ND	ND	ND	19	81	ND	17	ND	32	ND	
SG9	4-9	9/2/2020	2.44	17.9	76.6	ND	ND	22	ND	31	ND	ND	ND	ND	35	ND	19	ND	11	18	ND	6.0	ND	17	ND	
SG10	9-14	9/2/2020	2.93	17.4	79.4	ND	ND	21	ND	820	2.8	ND	ND	ND	19	ND	27	ND	10	34	ND	4.1	ND	13	ND	
SG11	4-9	9/2/2020	0.66	19.6	79.6	ND	ND	ND	ND	9.0	ND	ND	ND	8.2	21	ND	88	ND	7.0	18	ND	5.0	ND	6.8	ND	
SG12	9-14	9/2/2020	1.49	19.1	79.6	ND	1,400	32	ND	8.5	ND	ND	ND	ND	460	20	38	ND	8.9	32	ND	ND	ND	7.5	ND	
SCREENING VALUES																										
ESL, Residential <sup>4</sup>							N/A	1,100,000	N/A	4.1	N/A	N/A	N/A	N/A	N/A	15	16	N/A	N/A	N/A	170,000	3.2	10,000	37	3,500	
ESL, Commercial/Industrial <sup>4</sup>							N/A	4,500,000	N/A	18	N/A	N/A	N/A	N/A	N/A	67	100	N/A	N/A	N/A	730,000	14	44,000	160	15,000	

Notes:

1. ND = Not detected at a concentration above the laboratory reporting limit
2. Concentrations expressed in micrograms per cubic meter (ug/m<sup>3</sup>)
3. SFRWQCB Environmental Screening Level (ESL); July 2019
4. N/A = ESL value not published
5. Concentrations in red exceed the referenced residential screening level



**TABLE II**  
**SUMMARY OF POST EXCAVATION SOIL GAS ANALYTICAL DATA**  
**ABANDONED MISTLER FARM LANDFILL**  
**PEDRICK ROAD PROPERTY**

8405 Pedrick Road, Dixon, Solano County, California

Branca File No. 347-001

Sample Location (See Plate 3)	Sampled Depth Interval (feet)	Date	Acetone	1,3-Butadiene	Carbon Disulfide	CFC 113	Isopropyl Alcohol	Chloroform	Cyclohexane	Heptane	Hexane	Dichlorodifluoromethane	1,1-Ethylene	Methylene Chloride	Tetrahydrofuran	Styrene	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Trichlorofluoromethane	1,2,3,5-Tetrachlorobenzene	1,2,4-Trichlorobenzene	Vinyl Acetate	1,4-Dioxane	2-Butanone (MEK)	Methyl Isobutyl ketone	Benzene	Toluene	Ethylbenzene	Xylenes	Other VOCs (see lab report)	
			17	1.9 J	2.4 J	ND	2.0 J	2.8 J	24	10	18	1.9 J	2.9 J	1.7 J	ND	ND	81	2.2 J	ND	2.6 J	8.1	ND	ND	4.4 J	ND	3.7	30	7.6	40	ND	
SG13	4-9	6/22/2022	17	1.9 J	2.4 J	ND	2.0 J	2.8 J	24	10	18	1.9 J	2.9 J	1.7 J	ND	ND	81	2.2 J	ND	2.6 J	8.1	ND	ND	4.4 J	ND	3.7	30	7.6	40	ND	
SG14	9-14	6/22/2022	80	69	31	36	8.1 J	ND	100	62	120	ND	7.8	6.1 J	ND	8.0	13	ND	ND	7.6	20	ND	ND	44	10 J	23	130	26	120	ND	
SG15	4-9	6/22/2022	7.4 J	ND	ND	ND	ND	ND	6.9	3.0 J	3.5 J	ND	2.8 J	1.4 J	ND	ND	3.6 J	ND	ND	9.2	ND	ND	ND	ND	44	2.4 J	15	5.1	29	ND	
SG16	9-14	6/22/2022	3,100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140 J	4,200	ND	320 J	ND	ND	ND	ND	ND	ND	12,000	ND	ND	ND	17 J	30 J	ND	
SG17	4-9	6/22/2022	8.2 J	ND	ND	ND	ND	ND	9.2	ND	ND	1.9 J	ND	1.6 J	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	5.7 J	ND	ND	ND	ND	8.7 J	ND	
SG18	9-14	6/22/2022	19	14	4.8	10	2.3 J	ND	37	ND	2.6 J	2.1 J	2.5 J	ND	ND	ND	4.0 J	ND	ND	7.7	ND	ND	24	ND	ND	1.8 J	ND	34	ND		
SG19	4-9	6/22/2022	1,700	23	9.0	ND	5.6 J	ND	15	52	340	2.3 J	2.0 J	2.4 J	ND	ND	22	2.0 J	ND	1.8 J	5.7	ND	ND	45	11 J	3.3	3.3 J	3.8 J	20	ND	
SG20	9-14	6/22/2022	ND	ND	46 J	ND	ND	ND	ND	260	ND	ND	110 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,400	ND	ND	ND	ND	ND	ND	ND	
SG21	4-9	6/22/2022	3.3 J	ND	ND	ND	1.0 J	ND	6.1	1.8 J	2.3 J	1.8 J	2.0 J	1.9 J	ND	ND	ND	ND	2.0 J	1.7 J	6.2	ND	ND	4.7 J	ND	1.4 J	14	4.5	22	ND	
SG22	9-14	6/22/2022	41	1.6 J	2.1 J	ND	5.6 J	ND	12	5.4	6.8	2.1 J	1.7 J	2.2 J	ND	ND	4.2 J	ND	2.3 J	ND	4.1 J	ND	ND	11 J	5.7 J	3.1 J	19	4.4	18	ND	
SG23	4-9	6/22/2022	17	ND	ND	ND	1.7 J	ND	12	4.0 J	5.3	2.1 J	1.8 J	2.2 J	ND	ND	2.2 J	ND	ND	4.3 J	ND	ND	2.4 J	ND	2.4 J	18	4.5	20	ND		
SG24	9-14	6/22/2022	60	40	8.6	22	14	4.4 J	54	34	85	ND	3.8 J	2.8 J	ND	ND	6.2 J	ND	ND	3.8 J	11	ND	ND	20	5.3 J	13	76	15	61	ND	
SG25	4-9	6/22/2022	24	ND	ND	ND	6.3 J	ND	1.9 J	ND	1.2 J	3.0 J	3.5 J	1.6 J	ND	1.6 J	2.8 J	ND	2.7 J	2.3 J	8.6	ND	6.7 J	15	4.6 J	1.1 J	11	3.8 J	18	ND	
SG26	9-14	6/22/2022	76	66	7.2	23	23	ND	84	55	110	ND	3.7 J	5.2 J	ND	ND	ND	ND	ND	10	ND	ND	44	4.7 J	16	47	12	54	ND		
SG27	4-9	6/22/2022	11,000	ND	ND	ND	86 J	ND	ND	99 J	ND	ND	ND	23 J	ND	ND	ND	ND	ND	ND	ND	ND	910	ND	ND	ND	ND	ND	ND	ND	
SG28	9-14	6/22/2022	48	8.6	12	ND	1.8 J	ND	8.2	34	160	2.3 J	ND	2.0 J	ND	ND	6.5 J	ND	ND	2.9 J	ND	ND	4.6 J	3.4 J	2.9 J	11	2.9 J	12	ND		
SG29	4-9	6/22/2022	5.8 J	ND	ND	ND	ND	ND	5.7	ND	2.4 J	2.1 J	1.9 J	12 J	ND	ND	4.0 J	ND	ND	5.6	ND	ND	2.6 J	ND	1.2 J	15	4.7	21	ND		
SG30	9-14	6/22/2022	10 J	6.2	1.4 J	4.4 J	3.4 J	ND	18	6.5	16	2.2 J	1.9 J	1.8 J	ND	ND	8.1	ND	1.9 J	1.7 J	5.8	ND	ND	12 J	2.2 J	2.6 J	16	5.7	28	ND	
SG31	4-9	6/22/2022	4.0 J	ND	ND	ND	1.5 J	ND	7.3	1.7 J	1.7 J	2.1 J	2.2 J	1.6 J	ND	ND	2.5 J	ND	ND	2.1 J	6.5	ND	ND	2.7 J	1.5 J	1.7 J	16	5.2	26	ND	
SG32	9-14	6/22/2022	61	37	12	25	9.5 J	ND	76	57	92	ND	4.4 J	3.8 J	ND	ND	5.1 J	ND	ND	3.9 J	11	ND	ND	39	8.9 J	16	76	14	59	ND	
SG33	4-9	6/22/2022	5.9 J	ND	5.3	ND	ND	7.0	3.1 J	3.5 J	2.2 J	3.7 J	1.9 J	ND	ND	4.5 J	ND	ND	3.8 J	8.9	ND	1.7 J	2.5 J	ND	1.7 J	2.5 J	42	12	60	ND	
SG34	9-14	6/22/2022	30	6.1	4.1	12	6.6 J	ND	3.2	1.3	23	2.2 J	3.3 J	6.8 J	ND	ND	19	19	ND	3.0 J	9.2	9.1	ND	12 J	4.0 J	4.9	36	8.7	41	ND	
SG35	4-9	10/6/2022	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	2.8 J	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
SG36	9-14	10/6/2022	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	3.8	NT	NT	NT	NT	
SG37	4-9	10/6/2022	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	6.8 J	ND	NT	NT	NT	NT	NT	NT	NT	1.1 J	NT	NT	NT	NT	
SG38	9-14	10/6/2022	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	4.0	NT	NT	NT	NT	
SG39	4-9	10/6/2022	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	13	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
SG40	9-14	10/6/2022	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	ND	NT	NT	NT	NT	NT	NT	NT	2.8 J	NT	NT	NT	NT	
SG41	4-9	10/6/2022	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	8.5	ND	NT	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	
SG42	9-14	10/6/2022	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	2.5 J	ND	NT	NT	NT	NT	NT	NT	NT	2.1 J	NT	NT	NT	NT	
SG43	4-9	10/6/2022	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	2.5 J	ND	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	
SG44	9-14	10/6/2022	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	4.6 J	ND	NT	NT	NT	NT	NT	NT	NT	3.0 J	NT	NT	NT	NT	
SCREENING VALUES																															
ESL, Residential <sup>1</sup>			1,100,000	N/A	N/A	N/A	N/A	4.1	N/A	N/A	N/A	N/A	N/A	34	N/A	31,000	15	16	N/A	N/A	N/A	N/A	12	170,000	10,000	3.2	10,000	37	3,500		
ESL, Commercial/Industrial <sup>4</sup>			4,500,000	N/A	N/A	N/A	N/A	18	N/A	N/A	N/A	N/A	N/A	410	N/A	130,000	67	100	N/A	N/A	N/A	N/A	53	730,000	44,000	14	44,000	160	15,000		

Notes:  
1. ND = Not detected at a concentration above the laboratory reporting limit  
2. Concentrations expressed in micrograms per cubic meter (ug/m<sup>3</sup>)  
3. J = Analyte detected at a concentration above the MDL but below the standard reporting limit; result is estimated concentration  
4. SFRWQCB Environmental Screening Level (ESL); July 2019  
5. N/A = ESL value not published  
6. Concentrations in red exceed the referenced residential screening level  
7. NT = Not tested



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

17 June 2022

Joe Brusca  
Brusca Associates Inc.  
PO Box 332  
Roseville, CA 95661  
RE: Pedrick Road Property

Enclosed are the results of analyses for samples received by the laboratory on 06/08/22 15:11. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Joann Marroquin'. The signature is written in a cursive, flowing style.

Joann Marroquin  
Director of Operations



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

**Reported:**  
 06/17/22 12:58

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG 13	T221641-01	Air	06/06/22 10:18	06/08/22 15:11
SG 14	T221641-02	Air	06/06/22 10:18	06/08/22 15:11
SG 15	T221641-03	Air	06/06/22 10:23	06/08/22 15:11
SG 16	T221641-04	Air	06/06/22 10:23	06/08/22 15:11
SG 17	T221641-05	Air	06/06/22 10:34	06/08/22 15:11
SG 18	T221641-06	Air	06/06/22 10:34	06/08/22 15:11
SG 19	T221641-07	Air	06/06/22 10:44	06/08/22 15:11
SG 20	T221641-08	Air	06/06/22 10:44	06/08/22 15:11
SG 21	T221641-09	Air	06/06/22 10:49	06/08/22 15:11
SG 22	T221641-10	Air	06/06/22 10:49	06/08/22 15:11
SG 23	T221641-11	Air	06/06/22 11:02	06/08/22 15:11
SG 24	T221641-12	Air	06/06/22 11:02	06/08/22 15:11
SG 25	T221641-13	Air	06/06/22 11:22	06/08/22 15:11
SG 26	T221641-14	Air	06/06/22 11:22	06/08/22 15:11
SG 27	T221641-15	Air	06/06/22 11:12	06/08/22 15:11
SG 28	T221641-16	Air	06/06/22 11:12	06/08/22 15:11
SG 29	T221641-17	Air	06/06/22 11:33	06/08/22 15:11
SG 30	T221641-18	Air	06/06/22 11:33	06/08/22 15:11
SG 31	T221641-19	Air	06/06/22 11:45	06/08/22 15:11
SG 32	T221641-20	Air	06/06/22 11:45	06/08/22 15:11
SG 33	T221641-21	Air	06/06/22 11:57	06/08/22 15:11
SG 34	T221641-22	Air	06/06/22 11:57	06/08/22 15:11



Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**Sample ID:** SG 14 **Laboratory ID:** T221641-02

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Heptane	62	4.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	120	3.6	ug/m <sup>3</sup> Air	TO-15	
4-Ethyltoluene	7.8	5.0	ug/m <sup>3</sup> Air	TO-15	
Methylene chloride	6.1	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Styrene	8.0	4.3	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	13	6.9	ug/m <sup>3</sup> Air	TO-15	
1,3,5-Trimethylbenzene	7.6	5.0	ug/m <sup>3</sup> Air	TO-15	
1,2,4-Trimethylbenzene	20	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	44	15	ug/m <sup>3</sup> Air	TO-15	
Methyl isobutyl ketone	10	42	ug/m <sup>3</sup> Air	TO-15	J
Benzene	23	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	130	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	26	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	88	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	28	4.4	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG 15 **Laboratory ID:** T221641-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	7.4	12	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	6.9	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	3.0	4.2	ug/m <sup>3</sup> Air	TO-15	J
Hexane	3.5	3.6	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	2.8	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	1.4	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	3.6	6.9	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	9.2	5.0	ug/m <sup>3</sup> Air	TO-15	
Benzene	2.4	3.3	ug/m <sup>3</sup> Air	TO-15	J
Toluene	15	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	5.1	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	21	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	7.5	4.4	ug/m <sup>3</sup> Air	TO-15	

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**Sample ID:** SG 16 **Laboratory ID:** T221641-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	3100	120	ug/m <sup>3</sup> Air	TO-15	
Methylene chloride	140	180	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrahydrofuran	4200	150	ug/m <sup>3</sup> Air	TO-15	
Tetrachloroethene	320	350	ug/m <sup>3</sup> Air	TO-15	J
2-Butanone (MEK)	12000	150	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	17	220	ug/m <sup>3</sup> Air	TO-15	J
m,p-Xylene	30	220	ug/m <sup>3</sup> Air	TO-15	J

**Sample ID:** SG 17 **Laboratory ID:** T221641-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	8.2	12	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	9.2	3.5	ug/m <sup>3</sup> Air	TO-15	
Dichlorodifluoromethane	1.9	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	1.6	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
1,2,4-Trimethylbenzene	3.3	5.0	ug/m <sup>3</sup> Air	TO-15	J
2-Butanone (MEK)	5.7	15	ug/m <sup>3</sup> Air	TO-15	J
m,p-Xylene	8.7	8.8	ug/m <sup>3</sup> Air	TO-15	J

**Sample ID:** SG 18 **Laboratory ID:** T221641-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	19	12	ug/m <sup>3</sup> Air	TO-15	
1,3-Butadiene	14	4.5	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	4.8	3.2	ug/m <sup>3</sup> Air	TO-15	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	10	7.7	ug/m <sup>3</sup> Air	TO-15	
Isopropyl alcohol	2.3	13	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	37	3.5	ug/m <sup>3</sup> Air	TO-15	
Hexane	2.6	3.6	ug/m <sup>3</sup> Air	TO-15	J
Dichlorodifluoromethane	2.1	5.0	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	2.5	5.0	ug/m <sup>3</sup> Air	TO-15	J
Trichloroethene	4.0	5.5	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	7.7	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	24	15	ug/m <sup>3</sup> Air	TO-15	
Toluene	1.8	3.8	ug/m <sup>3</sup> Air	TO-15	J

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**Sample ID:** SG 18 **Laboratory ID:** T221641-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
m,p-Xylene	28	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	6.2	4.4	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG 19 **Laboratory ID:** T221641-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	1700	120	ug/m <sup>3</sup> Air	TO-15	TO-15 High
1,3-Butadiene	23	4.5	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	9.0	3.2	ug/m <sup>3</sup> Air	TO-15	
Isopropyl alcohol	5.6	13	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	15	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	52	4.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	340	3.6	ug/m <sup>3</sup> Air	TO-15	
Dichlorodifluoromethane	2.3	5.0	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	2.0	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	2.4	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	22	6.9	ug/m <sup>3</sup> Air	TO-15	
Trichloroethene	2.0	5.5	ug/m <sup>3</sup> Air	TO-15	J
1,3,5-Trimethylbenzene	1.8	5.0	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	5.7	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	45	15	ug/m <sup>3</sup> Air	TO-15	
Methyl isobutyl ketone	11	42	ug/m <sup>3</sup> Air	TO-15	J
Benzene	3.3	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	3.3	3.8	ug/m <sup>3</sup> Air	TO-15	J
Ethylbenzene	3.8	4.4	ug/m <sup>3</sup> Air	TO-15	J
m,p-Xylene	15	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	4.9	4.4	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG 20 **Laboratory ID:** T221641-08

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Carbon Disulfide	46	160	ug/m <sup>3</sup> Air	TO-15	J
Hexane	260	180	ug/m <sup>3</sup> Air	TO-15	
Methylene chloride	110	180	ug/m <sup>3</sup> Air	TO-15	C-06, J
2-Butanone (MEK)	3400	150	ug/m <sup>3</sup> Air	TO-15	

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**Sample ID:** SG 21 **Laboratory ID:** T221641-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	3.3	12	ug/m <sup>3</sup> Air	TO-15	J
Isopropyl alcohol	1.0	13	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	6.1	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	1.8	4.2	ug/m <sup>3</sup> Air	TO-15	J
Hexane	2.3	3.6	ug/m <sup>3</sup> Air	TO-15	J
Dichlorodifluoromethane	1.8	5.0	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	2.0	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	1.9	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Trichlorofluoromethane	2.0	5.7	ug/m <sup>3</sup> Air	TO-15	J
1,3,5-Trimethylbenzene	1.7	5.0	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	6.2	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	4.7	15	ug/m <sup>3</sup> Air	TO-15	J
Benzene	1.4	3.3	ug/m <sup>3</sup> Air	TO-15	J
Toluene	14	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	4.5	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	16	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	5.6	4.4	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG 22 **Laboratory ID:** T221641-10

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	41	12	ug/m <sup>3</sup> Air	TO-15	
1,3-Butadiene	1.6	4.5	ug/m <sup>3</sup> Air	TO-15	J
Carbon Disulfide	2.1	3.2	ug/m <sup>3</sup> Air	TO-15	J
Isopropyl alcohol	5.6	13	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	12	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	5.4	4.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	6.8	3.6	ug/m <sup>3</sup> Air	TO-15	
Dichlorodifluoromethane	2.1	5.0	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	1.7	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	2.2	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	4.2	6.9	ug/m <sup>3</sup> Air	TO-15	J
Trichlorofluoromethane	2.3	5.7	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	4.1	5.0	ug/m <sup>3</sup> Air	TO-15	J
2-Butanone (MEK)	11	15	ug/m <sup>3</sup> Air	TO-15	J
Methyl isobutyl ketone	5.7	42	ug/m <sup>3</sup> Air	TO-15	J



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**Sample ID:** SG 22 **Laboratory ID:** T221641-10

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Benzene	3.1	3.3	ug/m <sup>3</sup> Air	TO-15	J
Toluene	19	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	4.4	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	14	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	4.3	4.4	ug/m <sup>3</sup> Air	TO-15	J

**Sample ID:** SG 23 **Laboratory ID:** T221641-11

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	17	12	ug/m <sup>3</sup> Air	TO-15	
Isopropyl alcohol	1.7	13	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	12	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	4.0	4.2	ug/m <sup>3</sup> Air	TO-15	J
Hexane	5.3	3.6	ug/m <sup>3</sup> Air	TO-15	
Dichlorodifluoromethane	2.1	5.0	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	1.8	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	2.2	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	2.2	6.9	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	4.3	5.0	ug/m <sup>3</sup> Air	TO-15	J
2-Butanone (MEK)	2.4	15	ug/m <sup>3</sup> Air	TO-15	J
Benzene	2.4	3.3	ug/m <sup>3</sup> Air	TO-15	J
Toluene	18	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	4.5	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	15	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	5.0	4.4	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG 24 **Laboratory ID:** T221641-12

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	60	12	ug/m <sup>3</sup> Air	TO-15	
1,3-Butadiene	40	4.5	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	8.6	3.2	ug/m <sup>3</sup> Air	TO-15	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	22	7.7	ug/m <sup>3</sup> Air	TO-15	
Isopropyl alcohol	14	13	ug/m <sup>3</sup> Air	TO-15	
Chloroform	4.4	5.0	ug/m <sup>3</sup> Air	TO-15	J

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**Sample ID:** SG 24 **Laboratory ID:** T221641-12

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Cyclohexane	54	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	34	4.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	85	3.6	ug/m <sup>3</sup> Air	TO-15	
4-Ethyltoluene	3.8	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	2.8	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	6.2	6.9	ug/m <sup>3</sup> Air	TO-15	J
1,3,5-Trimethylbenzene	3.8	5.0	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	11	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	20	15	ug/m <sup>3</sup> Air	TO-15	
Methyl isobutyl ketone	5.3	42	ug/m <sup>3</sup> Air	TO-15	J
Benzene	13	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	76	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	15	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	46	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	15	4.4	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG 25 **Laboratory ID:** T221641-13

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	24	12	ug/m <sup>3</sup> Air	TO-15	
Isopropyl alcohol	6.3	13	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	1.9	3.5	ug/m <sup>3</sup> Air	TO-15	J
Hexane	1.2	3.6	ug/m <sup>3</sup> Air	TO-15	J
Dichlorodifluoromethane	3.0	5.0	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	3.5	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	1.6	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Styrene	1.6	4.3	ug/m <sup>3</sup> Air	TO-15	J
Tetrachloroethene	2.8	6.9	ug/m <sup>3</sup> Air	TO-15	J
Trichlorofluoromethane	2.7	5.7	ug/m <sup>3</sup> Air	TO-15	J
1,3,5-Trimethylbenzene	2.3	5.0	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	8.6	5.0	ug/m <sup>3</sup> Air	TO-15	
1,4-Dioxane	6.7	18	ug/m <sup>3</sup> Air	TO-15	J
2-Butanone (MEK)	15	15	ug/m <sup>3</sup> Air	TO-15	
Methyl isobutyl ketone	4.6	42	ug/m <sup>3</sup> Air	TO-15	J
Benzene	1.1	3.3	ug/m <sup>3</sup> Air	TO-15	J
Toluene	11	3.8	ug/m <sup>3</sup> Air	TO-15	

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**Sample ID:** SG 25 **Laboratory ID:** T221641-13

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Ethylbenzene	3.8	4.4	ug/m <sup>3</sup> Air	TO-15	J
m,p-Xylene	13	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	5.0	4.4	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG 26 **Laboratory ID:** T221641-14

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	76	12	ug/m <sup>3</sup> Air	TO-15	
1,3-Butadiene	66	4.5	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	7.2	3.2	ug/m <sup>3</sup> Air	TO-15	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	23	7.7	ug/m <sup>3</sup> Air	TO-15	
Isopropyl alcohol	23	13	ug/m <sup>3</sup> Air	TO-15	
Cyclohexane	84	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	55	4.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	110	3.6	ug/m <sup>3</sup> Air	TO-15	
4-Ethyltoluene	3.7	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	5.2	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
1,2,4-Trimethylbenzene	10	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	44	15	ug/m <sup>3</sup> Air	TO-15	
Methyl isobutyl ketone	4.7	42	ug/m <sup>3</sup> Air	TO-15	J
Benzene	16	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	47	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	12	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	41	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	13	4.4	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG 27 **Laboratory ID:** T221641-15

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	11000	120	ug/m <sup>3</sup> Air	TO-15	E
Isopropyl alcohol	86	130	ug/m <sup>3</sup> Air	TO-15	J
Hexane	99	180	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	23	180	ug/m <sup>3</sup> Air	TO-15	C-06, J
2-Butanone (MEK)	910	150	ug/m <sup>3</sup> Air	TO-15	

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**Sample ID:** SG 28 **Laboratory ID:** T221641-16

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	48	12	ug/m <sup>3</sup> Air	TO-15	
1,3-Butadiene	8.6	4.5	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	12	3.2	ug/m <sup>3</sup> Air	TO-15	
Isopropyl alcohol	1.8	13	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	8.2	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	34	4.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	160	3.6	ug/m <sup>3</sup> Air	TO-15	
Dichlorodifluoromethane	2.3	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	2.0	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	6.5	6.9	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	2.9	5.0	ug/m <sup>3</sup> Air	TO-15	J
2-Butanone (MEK)	4.6	15	ug/m <sup>3</sup> Air	TO-15	J
Methyl isobutyl ketone	3.4	42	ug/m <sup>3</sup> Air	TO-15	J
Benzene	2.9	3.3	ug/m <sup>3</sup> Air	TO-15	J
Toluene	11	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	2.9	4.4	ug/m <sup>3</sup> Air	TO-15	J
m,p-Xylene	9.1	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	3.1	4.4	ug/m <sup>3</sup> Air	TO-15	J

**Sample ID:** SG 29 **Laboratory ID:** T221641-17

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	5.8	12	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	5.7	3.5	ug/m <sup>3</sup> Air	TO-15	
Hexane	2.4	3.6	ug/m <sup>3</sup> Air	TO-15	J
Dichlorodifluoromethane	2.1	5.0	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	1.9	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	12	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	4.0	6.9	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	5.6	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	2.6	15	ug/m <sup>3</sup> Air	TO-15	J
Benzene	1.2	3.3	ug/m <sup>3</sup> Air	TO-15	J
Toluene	15	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	4.7	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	15	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	5.7	4.4	ug/m <sup>3</sup> Air	TO-15	

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**Sample ID:** SG 30 **Laboratory ID:** T221641-18

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	10	12	ug/m <sup>3</sup> Air	TO-15	J
1,3-Butadiene	6.2	4.5	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	1.4	3.2	ug/m <sup>3</sup> Air	TO-15	J
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	4.4	7.7	ug/m <sup>3</sup> Air	TO-15	J
Isopropyl alcohol	3.4	13	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	18	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	6.5	4.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	16	3.6	ug/m <sup>3</sup> Air	TO-15	
Dichlorodifluoromethane	2.2	5.0	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	1.9	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	1.8	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	8.1	6.9	ug/m <sup>3</sup> Air	TO-15	
Trichlorofluoromethane	1.9	5.7	ug/m <sup>3</sup> Air	TO-15	J
1,3,5-Trimethylbenzene	1.7	5.0	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	5.8	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	12	15	ug/m <sup>3</sup> Air	TO-15	J
Methyl isobutyl ketone	2.2	42	ug/m <sup>3</sup> Air	TO-15	J
Benzene	2.6	3.3	ug/m <sup>3</sup> Air	TO-15	J
Toluene	16	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	5.7	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	21	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	7.0	4.4	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG 31 **Laboratory ID:** T221641-19

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	4.0	12	ug/m <sup>3</sup> Air	TO-15	J
Isopropyl alcohol	1.5	13	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	7.3	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	1.7	4.2	ug/m <sup>3</sup> Air	TO-15	J
Hexane	1.7	3.6	ug/m <sup>3</sup> Air	TO-15	J
Dichlorodifluoromethane	2.1	5.0	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	2.2	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	1.6	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	2.5	6.9	ug/m <sup>3</sup> Air	TO-15	J
1,3,5-Trimethylbenzene	2.1	5.0	ug/m <sup>3</sup> Air	TO-15	J

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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
06/17/22 12:58

**Sample ID:** SG 31

**Laboratory ID:** T221641-19

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
1,2,4-Trimethylbenzene	6.5	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	2.7	15	ug/m <sup>3</sup> Air	TO-15	J
Methyl isobutyl ketone	1.5	42	ug/m <sup>3</sup> Air	TO-15	J
Benzene	1.7	3.3	ug/m <sup>3</sup> Air	TO-15	J
Toluene	16	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	5.2	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	19	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	6.5	4.4	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG 32

**Laboratory ID:** T221641-20

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	61	12	ug/m <sup>3</sup> Air	TO-15	
1,3-Butadiene	37	4.5	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	12	3.2	ug/m <sup>3</sup> Air	TO-15	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	25	7.7	ug/m <sup>3</sup> Air	TO-15	
Isopropyl alcohol	9.5	13	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	76	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	57	4.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	92	3.6	ug/m <sup>3</sup> Air	TO-15	
4-Ethyltoluene	4.4	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	3.8	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	5.1	6.9	ug/m <sup>3</sup> Air	TO-15	J
1,3,5-Trimethylbenzene	3.9	5.0	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	11	5.0	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	39	15	ug/m <sup>3</sup> Air	TO-15	
Methyl isobutyl ketone	8.9	42	ug/m <sup>3</sup> Air	TO-15	J
Benzene	16	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	76	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	14	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	45	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	14	4.4	ug/m <sup>3</sup> Air	TO-15	

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Project Manager: Joe Brusca

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Sample ID: SG 33

Laboratory ID: T221641-21

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	5.9	12	ug/m <sup>3</sup> Air	TO-15	J
Carbon Disulfide	5.3	3.2	ug/m <sup>3</sup> Air	TO-15	
Cyclohexane	7.0	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	3.1	4.2	ug/m <sup>3</sup> Air	TO-15	J
Hexane	3.5	3.6	ug/m <sup>3</sup> Air	TO-15	J
Dichlorodifluoromethane	2.2	5.0	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	3.7	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	1.9	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	4.5	6.9	ug/m <sup>3</sup> Air	TO-15	J
1,3,5-Trimethylbenzene	3.8	5.0	ug/m <sup>3</sup> Air	TO-15	J
1,2,4-Trimethylbenzene	8.9	5.0	ug/m <sup>3</sup> Air	TO-15	
1,4-Dioxane	1.7	18	ug/m <sup>3</sup> Air	TO-15	J
2-Butanone (MEK)	2.5	15	ug/m <sup>3</sup> Air	TO-15	J
Benzene	3.5	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	42	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	12	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	45	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	15	4.4	ug/m <sup>3</sup> Air	TO-15	

Sample ID: SG 34

Laboratory ID: T221641-22

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	30	12	ug/m <sup>3</sup> Air	TO-15	
1,3-Butadiene	6.1	4.5	ug/m <sup>3</sup> Air	TO-15	
Carbon Disulfide	4.1	3.2	ug/m <sup>3</sup> Air	TO-15	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	12	7.7	ug/m <sup>3</sup> Air	TO-15	
Isopropyl alcohol	6.6	13	ug/m <sup>3</sup> Air	TO-15	J
Cyclohexane	32	3.5	ug/m <sup>3</sup> Air	TO-15	
Heptane	13	4.2	ug/m <sup>3</sup> Air	TO-15	
Hexane	23	3.6	ug/m <sup>3</sup> Air	TO-15	
Dichlorodifluoromethane	2.2	5.0	ug/m <sup>3</sup> Air	TO-15	J
4-Ethyltoluene	3.3	5.0	ug/m <sup>3</sup> Air	TO-15	J
Methylene chloride	6.8	27	ug/m <sup>3</sup> Air	TO-15	C-06, J
Tetrachloroethene	19	6.9	ug/m <sup>3</sup> Air	TO-15	
Trichloroethene	19	5.5	ug/m <sup>3</sup> Air	TO-15	
1,3,5-Trimethylbenzene	3.0	5.0	ug/m <sup>3</sup> Air	TO-15	J

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Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
06/17/22 12:58

**Sample ID:** SG 34

**Laboratory ID:** T221641-22

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
1,2,4-Trimethylbenzene	9.2	5.0	ug/m <sup>3</sup> Air	TO-15	
Vinyl acetate	9.1	3.6	ug/m <sup>3</sup> Air	TO-15	
2-Butanone (MEK)	12	15	ug/m <sup>3</sup> Air	TO-15	J
Methyl isobutyl ketone	4.0	42	ug/m <sup>3</sup> Air	TO-15	J
Benzene	4.9	3.3	ug/m <sup>3</sup> Air	TO-15	
Toluene	36	3.8	ug/m <sup>3</sup> Air	TO-15	
Ethylbenzene	8.7	4.4	ug/m <sup>3</sup> Air	TO-15	
m,p-Xylene	31	8.8	ug/m <sup>3</sup> Air	TO-15	
o-Xylene	10	4.4	ug/m <sup>3</sup> Air	TO-15	





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**SG 13**  
**T221641-01(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**TO-15**

<b>Acetone</b>	<b>17</b>	0.49	12	ug/m <sup>3</sup> Air	1.73	22F0205	06/10/22	06/14/22	TO-15	
<b>1,3-Butadiene</b>	<b>1.9</b>	0.29	4.5	"	"	"	"	"	"	J
<b>Carbon Disulfide</b>	<b>2.4</b>	0.22	3.2	"	"	"	"	"	"	J
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>2.0</b>	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
<b>Chloroform</b>	<b>2.8</b>	0.15	5.0	"	"	"	"	"	"	J
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>24</b>	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>10</b>	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>18</b>	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>1.9</b>	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>2.9</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>1.7</b>	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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**SG 13**  
**T221641-01(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	1.73	22F0205	06/10/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>81</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>2.2</b>	0.21	5.5	"	"	"	"	"	"	J
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>2.6</b>	0.49	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>8.1</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>4.4</b>	0.45	15	"	"	"	"	"	"	J
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>3.7</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>30</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>7.6</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>30</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>9.6</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			98.0 %	59.2-130			"	"	"	"

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**SG 14**  
**T221641-02(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	80	0.49	12	ug/m <sup>3</sup> Air	2.75	22F0205	06/10/22	06/14/22	TO-15	
1,3-Butadiene	69	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	31	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	36	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	8.1	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	100	0.16	3.5	"	"	"	"	"	"	
Heptane	62	0.15	4.2	"	"	"	"	"	"	
Hexane	120	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	7.8	0.25	5.0	"	"	"	"	"	"	
Methylene chloride	6.1	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	8.0	0.19	4.3	"	"	"	"	"	"	

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**SG 14**  
**T221641-02(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	2.75	22F0205	06/10/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>13</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>7.6</b>	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>20</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>44</b>	0.45	15	"	"	"	"	"	"	
<b>Methyl isobutyl ketone</b>	<b>10</b>	0.14	42	"	"	"	"	"	"	J
<b>Benzene</b>	<b>23</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>130</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>26</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>88</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>28</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			97.6 %	59.2-130		"	"	"	"	

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**SG 15**  
**T221641-03(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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<b>TO-15</b>										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Acetone</b>	<b>7.4</b>	0.49	12	ug/m <sup>3</sup> Air	1.66	22F0205	06/10/22	06/14/22	TO-15	J
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>6.9</b>	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>3.0</b>	0.15	4.2	"	"	"	"	"	"	J
<b>Hexane</b>	<b>3.5</b>	0.43	3.6	"	"	"	"	"	"	J
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>2.8</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>1.4</b>	0.079	27	"	"	"	"	"	"	C-06, J

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Brusca Associates Inc.  
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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 06/17/22 12:58

**SG 15**  
**T221641-03(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Styrene	ND	0.19	4.3	ug/m <sup>3</sup> Air	1.66	22F0205	06/10/22	06/14/22	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>3.6</b>	0.21	6.9	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>9.2</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>2.4</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>15</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>5.1</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>21</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>7.5</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			97.6 %		59.2-130	"	"	"	"	

SunStar Laboratories, Inc.

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*Joann Marroquin*

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**SG 16**  
**T221641-04(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										<b>TO-15 High</b>
Acetone	3100	17	120	ug/m <sup>3</sup> Air	2.51	22F0205	06/10/22	06/10/22	TO-15	
1,3-Butadiene	ND	8.3	110	"	"	"	"	"	"	
Carbon Disulfide	ND	11	160	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	20	390	"	"	"	"	"	"	
Isopropyl alcohol	ND	22	130	"	"	"	"	"	"	
Bromodichloromethane	ND	15	340	"	"	"	"	"	"	
Bromoform	ND	26	530	"	"	"	"	"	"	
Bromomethane	ND	15	200	"	"	"	"	"	"	
Carbon tetrachloride	ND	12	320	"	"	"	"	"	"	
Chlorobenzene	ND	5.6	230	"	"	"	"	"	"	
Chloroethane	ND	11	130	"	"	"	"	"	"	
Chloroform	ND	9.4	250	"	"	"	"	"	"	
Chloromethane	ND	7.4	110	"	"	"	"	"	"	
Cyclohexane	ND	12	170	"	"	"	"	"	"	
Heptane	ND	21	210	"	"	"	"	"	"	
Hexane	ND	10	180	"	"	"	"	"	"	
Dibromochloromethane	ND	24	430	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	13	390	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	18	310	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	24	310	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	22	310	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	15	250	"	"	"	"	"	"	
1,1-Dichloroethane	ND	10	210	"	"	"	"	"	"	
1,2-Dichloroethane	ND	14	210	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.5	200	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	9.7	200	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	13	200	"	"	"	"	"	"	
1,2-Dichloropropane	ND	24	240	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	13	230	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	8.3	230	"	"	"	"	"	"	
4-Ethyltoluene	ND	15	250	"	"	"	"	"	"	
<b>Methylene chloride</b>	<b>140</b>	17	180	"	"	"	"	"	"	C-06, J

SunStar Laboratories, Inc.

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 16**  
**T221641-04(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										<b>TO-15 High</b>
Styrene	ND	13	220	ug/m <sup>3</sup> Air	2.51	22F0205	06/10/22	06/10/22	TO-15	
1,1,2,2-Tetrachloroethane	ND	19	350	"	"	"	"	"	"	
<b>Tetrahydrofuran</b>	<b>4200</b>	15	150	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>320</b>	19	350	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	12	280	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	11	280	"	"	"	"	"	"	
Trichloroethene	ND	8.7	270	"	"	"	"	"	"	
Trichlorofluoromethane	ND	13	290	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	15	250	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	15	250	"	"	"	"	"	"	
Vinyl acetate	ND	9.7	180	"	"	"	"	"	"	
Vinyl chloride	ND	9.6	130	"	"	"	"	"	"	
1,4-Dioxane	ND	59	180	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>12000</b>	11	150	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	50	210	"	"	"	"	"	"	
Benzene	ND	4.9	160	"	"	"	"	"	"	
Toluene	ND	11	190	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>17</b>	10	220	"	"	"	"	"	"	J
<b>m,p-Xylene</b>	<b>30</b>	15	220	"	"	"	"	"	"	J
o-Xylene	ND	9.3	220	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	91	270	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			98.2 %	59.2-130	"	"	"	"	"	

SunStar Laboratories, Inc.

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**SG 17**  
**T221641-05(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>8.2</b>	0.49	12	ug/m <sup>3</sup> Air	1.62	22F0205	06/10/22	06/14/22	TO-15	J
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>9.2</b>	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	ND	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>1.9</b>	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	
<b>Methylene chloride</b>	<b>1.6</b>	0.079	27	"	"	"	"	"	"	C-06, J

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 06/17/22 12:58

**SG 17**  
**T221641-05(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Styrene	ND	0.19	4.3	ug/m <sup>3</sup> Air	1.62	22F0205	06/10/22	06/14/22	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>3.3</b>	0.33	5.0	"	"	"	"	"	"	J
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>5.7</b>	0.45	15	"	"	"	"	"	"	J
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
Toluene	ND	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>8.7</b>	0.20	8.8	"	"	"	"	"	"	J
o-Xylene	ND	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			97.8 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 18**  
**T221641-06(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
Acetone	19	0.49	12	ug/m <sup>3</sup> Air	2.04	22F0205	06/10/22	06/14/22	TO-15	
1,3-Butadiene	14	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	4.8	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	10	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	2.3	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	37	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	2.6	0.43	3.6	"	"	"	"	"	"	J
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	2.1	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	2.5	0.25	5.0	"	"	"	"	"	"	J
Methylene chloride	ND	0.079	27	"	"	"	"	"	"	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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**SG 18**  
**T221641-06(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	2.04	22F0205	06/10/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>4.0</b>	0.21	5.5	"	"	"	"	"	"	J
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>7.7</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>24</b>	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>1.8</b>	0.14	3.8	"	"	"	"	"	"	J
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>28</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>6.2</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			99.2 %	59.2-130		"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 19**  
**T221641-07(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Acetone</b>	<b>1700</b>	17	120	ug/m <sup>3</sup> Air	1.67	22F0213	06/13/22	06/14/22	TO-15	TO-15 High
<b>1,3-Butadiene</b>	<b>23</b>	0.29	4.5	"	"	"	"	"	"	
<b>Carbon Disulfide</b>	<b>9.0</b>	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>5.6</b>	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>15</b>	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>52</b>	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>340</b>	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>2.3</b>	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>2.0</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>2.4</b>	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 19**  
**T221641-07(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	1.67	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>22</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>2.0</b>	0.21	5.5	"	"	"	"	"	"	J
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>1.8</b>	0.49	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>5.7</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>45</b>	0.45	15	"	"	"	"	"	"	
<b>Methyl isobutyl ketone</b>	<b>11</b>	0.14	42	"	"	"	"	"	"	J
<b>Benzene</b>	<b>3.3</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>3.3</b>	0.14	3.8	"	"	"	"	"	"	J
<b>Ethylbenzene</b>	<b>3.8</b>	0.14	4.4	"	"	"	"	"	"	J
<b>m,p-Xylene</b>	<b>15</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>4.9</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			98.3 %	59.2-130		"	"	"	"	

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**SG 20**  
**T221641-08(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										<b>TO-15 High</b>
Acetone	ND	17	120	ug/m <sup>3</sup> Air	2.51	22F0213	06/13/22	06/13/22	TO-15	
1,3-Butadiene	ND	8.3	110	"	"	"	"	"	"	
<b>Carbon Disulfide</b>	<b>46</b>	11	160	"	"	"	"	"	"	J
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	20	390	"	"	"	"	"	"	
Isopropyl alcohol	ND	22	130	"	"	"	"	"	"	
Bromodichloromethane	ND	15	340	"	"	"	"	"	"	
Bromoform	ND	26	530	"	"	"	"	"	"	
Bromomethane	ND	15	200	"	"	"	"	"	"	
Carbon tetrachloride	ND	12	320	"	"	"	"	"	"	
Chlorobenzene	ND	5.6	230	"	"	"	"	"	"	
Chloroethane	ND	11	130	"	"	"	"	"	"	
Chloroform	ND	9.4	250	"	"	"	"	"	"	
Chloromethane	ND	7.4	110	"	"	"	"	"	"	
Cyclohexane	ND	12	170	"	"	"	"	"	"	
Heptane	ND	21	210	"	"	"	"	"	"	
<b>Hexane</b>	<b>260</b>	10	180	"	"	"	"	"	"	
Dibromochloromethane	ND	24	430	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	13	390	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	18	310	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	24	310	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	22	310	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	15	250	"	"	"	"	"	"	
1,1-Dichloroethane	ND	10	210	"	"	"	"	"	"	
1,2-Dichloroethane	ND	14	210	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.5	200	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	9.7	200	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	13	200	"	"	"	"	"	"	
1,2-Dichloropropane	ND	24	240	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	13	230	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	8.3	230	"	"	"	"	"	"	
4-Ethyltoluene	ND	15	250	"	"	"	"	"	"	
<b>Methylene chloride</b>	<b>110</b>	17	180	"	"	"	"	"	"	C-06, J

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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 06/17/22 12:58

**SG 20**  
**T221641-08(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										<b>TO-15 High</b>
Styrene	ND	13	220	ug/m <sup>3</sup> Air	2.51	22F0213	06/13/22	06/13/22	TO-15	
1,1,2,2-Tetrachloroethane	ND	19	350	"	"	"	"	"	"	
Tetrahydrofuran	ND	15	150	"	"	"	"	"	"	
Tetrachloroethene	ND	19	350	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	12	280	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	11	280	"	"	"	"	"	"	
Trichloroethene	ND	8.7	270	"	"	"	"	"	"	
Trichlorofluoromethane	ND	13	290	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	15	250	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	15	250	"	"	"	"	"	"	
Vinyl acetate	ND	9.7	180	"	"	"	"	"	"	
Vinyl chloride	ND	9.6	130	"	"	"	"	"	"	
1,4-Dioxane	ND	59	180	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>3400</b>	11	150	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	50	210	"	"	"	"	"	"	
Benzene	ND	4.9	160	"	"	"	"	"	"	
Toluene	ND	11	190	"	"	"	"	"	"	
Ethylbenzene	ND	10	220	"	"	"	"	"	"	
m,p-Xylene	ND	15	220	"	"	"	"	"	"	
o-Xylene	ND	9.3	220	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	91	270	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			95.9 %	59.2-130	"	"	"	"	"	

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**SG 21**  
**T221641-09(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
<b>Acetone</b>	<b>3.3</b>	0.49	12	ug/m <sup>3</sup> Air	1.7	22F0213	06/13/22	06/14/22	TO-15	J
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>1.0</b>	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>6.1</b>	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>1.8</b>	0.15	4.2	"	"	"	"	"	"	J
<b>Hexane</b>	<b>2.3</b>	0.43	3.6	"	"	"	"	"	"	J
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>1.8</b>	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>2.0</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>1.9</b>	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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Brusca Associates Inc.  
PO Box 332  
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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**SG 21**  
**T221641-09(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	1.7	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>2.0</b>	0.24	5.7	"	"	"	"	"	"	J
<b>1,3,5-Trimethylbenzene</b>	<b>1.7</b>	0.49	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>6.2</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>4.7</b>	0.45	15	"	"	"	"	"	"	J
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>1.4</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>14</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>4.5</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>16</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>5.6</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			97.9 %		59.2-130	"	"	"	"	



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**SG 22**  
**T221641-10(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>41</b>	0.49	12	ug/m <sup>3</sup> Air	1.69	22F0213	06/13/22	06/14/22	TO-15	
<b>1,3-Butadiene</b>	<b>1.6</b>	0.29	4.5	"	"	"	"	"	"	J
<b>Carbon Disulfide</b>	<b>2.1</b>	0.22	3.2	"	"	"	"	"	"	J
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>5.6</b>	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>12</b>	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>5.4</b>	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>6.8</b>	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>2.1</b>	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>1.7</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>2.2</b>	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 22**  
**T221641-10(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	1.69	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>4.2</b>	0.21	6.9	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>2.3</b>	0.24	5.7	"	"	"	"	"	"	J
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>4.1</b>	0.33	5.0	"	"	"	"	"	"	J
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>11</b>	0.45	15	"	"	"	"	"	"	J
<b>Methyl isobutyl ketone</b>	<b>5.7</b>	0.14	42	"	"	"	"	"	"	J
<b>Benzene</b>	<b>3.1</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>19</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>4.4</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>14</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>4.3</b>	0.085	4.4	"	"	"	"	"	"	J
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			97.3 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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**SG 23**  
**T221641-11(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
<b>Acetone</b>	<b>17</b>	0.49	12	ug/m <sup>3</sup> Air	1.62	22F0213	06/13/22	06/14/22	TO-15	
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>1.7</b>	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>12</b>	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>4.0</b>	0.15	4.2	"	"	"	"	"	"	J
<b>Hexane</b>	<b>5.3</b>	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>2.1</b>	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>1.8</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>2.2</b>	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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**SG 23**  
**T221641-11(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m³ Air	1.62	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>2.2</b>	0.21	6.9	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>4.3</b>	0.33	5.0	"	"	"	"	"	"	J
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>2.4</b>	0.45	15	"	"	"	"	"	"	J
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>2.4</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>18</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>4.5</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>15</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>5.0</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			98.1 %	59.2-130		"	"	"	"	

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**SG 24**  
**T221641-12(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
<b>Acetone</b>	<b>60</b>	0.49	12	ug/m <sup>3</sup> Air	2.38	22F0213	06/13/22	06/14/22	TO-15	
<b>1,3-Butadiene</b>	<b>40</b>	0.29	4.5	"	"	"	"	"	"	
<b>Carbon Disulfide</b>	<b>8.6</b>	0.22	3.2	"	"	"	"	"	"	
<b>1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)</b>	<b>22</b>	0.26	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>14</b>	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
<b>Chloroform</b>	<b>4.4</b>	0.15	5.0	"	"	"	"	"	"	J
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>54</b>	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>34</b>	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>85</b>	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>3.8</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>2.8</b>	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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**SG 24**  
**T221641-12(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	2.38	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>6.2</b>	0.21	6.9	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>3.8</b>	0.49	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>11</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>20</b>	0.45	15	"	"	"	"	"	"	
<b>Methyl isobutyl ketone</b>	<b>5.3</b>	0.14	42	"	"	"	"	"	"	J
<b>Benzene</b>	<b>13</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>76</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>15</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>46</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>15</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			97.2 %	59.2-130		"	"	"	"	

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**SG 25**  
**T221641-13(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>24</b>	0.49	12	ug/m <sup>3</sup> Air	1.65	22F0213	06/13/22	06/14/22	TO-15	
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>6.3</b>	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>1.9</b>	0.16	3.5	"	"	"	"	"	"	J
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>1.2</b>	0.43	3.6	"	"	"	"	"	"	J
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>3.0</b>	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>3.5</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>1.6</b>	0.079	27	"	"	"	"	"	"	C-06, J
<b>Styrene</b>	<b>1.6</b>	0.19	4.3	"	"	"	"	"	"	J

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**SG 25**  
**T221641-13(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	1.65	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>2.8</b>	0.21	6.9	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>2.7</b>	0.24	5.7	"	"	"	"	"	"	J
<b>1,3,5-Trimethylbenzene</b>	<b>2.3</b>	0.49	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>8.6</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
<b>1,4-Dioxane</b>	<b>6.7</b>	0.97	18	"	"	"	"	"	"	J
<b>2-Butanone (MEK)</b>	<b>15</b>	0.45	15	"	"	"	"	"	"	
<b>Methyl isobutyl ketone</b>	<b>4.6</b>	0.14	42	"	"	"	"	"	"	J
<b>Benzene</b>	<b>1.1</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>11</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>3.8</b>	0.14	4.4	"	"	"	"	"	"	J
<b>m,p-Xylene</b>	<b>13</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>5.0</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			98.0 %	59.2-130		"	"	"	"	

*Joann Marroquin*



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**SG 26**  
**T221641-14(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>76</b>	0.49	12	ug/m <sup>3</sup> Air	3.53	22F0213	06/13/22	06/14/22	TO-15	
<b>1,3-Butadiene</b>	<b>66</b>	0.29	4.5	"	"	"	"	"	"	
<b>Carbon Disulfide</b>	<b>7.2</b>	0.22	3.2	"	"	"	"	"	"	
<b>1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)</b>	<b>23</b>	0.26	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>23</b>	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>84</b>	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>55</b>	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>110</b>	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>3.7</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>5.2</b>	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**SG 26**  
**T221641-14(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	3.53	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>10</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>44</b>	0.45	15	"	"	"	"	"	"	
<b>Methyl isobutyl ketone</b>	<b>4.7</b>	0.14	42	"	"	"	"	"	"	J
<b>Benzene</b>	<b>16</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>47</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>12</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>41</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>13</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			97.8 %		59.2-130		"	"	"	"



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 27**  
**T221641-15(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15										TO-15 High
<b>Acetone</b>	<b>11000</b>	17	120	ug/m <sup>3</sup> Air	1.68	22F0213	06/13/22	06/13/22	TO-15	E
1,3-Butadiene	ND	8.3	110	"	"	"	"	"	"	
Carbon Disulfide	ND	11	160	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	20	390	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>86</b>	22	130	"	"	"	"	"	"	J
Bromodichloromethane	ND	15	340	"	"	"	"	"	"	
Bromoform	ND	26	530	"	"	"	"	"	"	
Bromomethane	ND	15	200	"	"	"	"	"	"	
Carbon tetrachloride	ND	12	320	"	"	"	"	"	"	
Chlorobenzene	ND	5.6	230	"	"	"	"	"	"	
Chloroethane	ND	11	130	"	"	"	"	"	"	
Chloroform	ND	9.4	250	"	"	"	"	"	"	
Chloromethane	ND	7.4	110	"	"	"	"	"	"	
Cyclohexane	ND	12	170	"	"	"	"	"	"	
Heptane	ND	21	210	"	"	"	"	"	"	
<b>Hexane</b>	<b>99</b>	10	180	"	"	"	"	"	"	J
Dibromochloromethane	ND	24	430	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	13	390	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	18	310	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	24	310	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	22	310	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	15	250	"	"	"	"	"	"	
1,1-Dichloroethane	ND	10	210	"	"	"	"	"	"	
1,2-Dichloroethane	ND	14	210	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.5	200	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	9.7	200	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	13	200	"	"	"	"	"	"	
1,2-Dichloropropane	ND	24	240	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	13	230	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	8.3	230	"	"	"	"	"	"	
4-Ethyltoluene	ND	15	250	"	"	"	"	"	"	
<b>Methylene chloride</b>	<b>23</b>	17	180	"	"	"	"	"	"	C-06, J

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**SG 27**  
**T221641-15(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15										TO-15 High
Styrene	ND	13	220	ug/m <sup>3</sup> Air	1.68	22F0213	06/13/22	06/13/22	TO-15	
1,1,2,2-Tetrachloroethane	ND	19	350	"	"	"	"	"	"	
Tetrahydrofuran	ND	15	150	"	"	"	"	"	"	
Tetrachloroethene	ND	19	350	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	12	280	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	11	280	"	"	"	"	"	"	
Trichloroethene	ND	8.7	270	"	"	"	"	"	"	
Trichlorofluoromethane	ND	13	290	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	15	250	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	15	250	"	"	"	"	"	"	
Vinyl acetate	ND	9.7	180	"	"	"	"	"	"	
Vinyl chloride	ND	9.6	130	"	"	"	"	"	"	
1,4-Dioxane	ND	59	180	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>910</b>	11	150	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	50	210	"	"	"	"	"	"	
Benzene	ND	4.9	160	"	"	"	"	"	"	
Toluene	ND	11	190	"	"	"	"	"	"	
Ethylbenzene	ND	10	220	"	"	"	"	"	"	
m,p-Xylene	ND	15	220	"	"	"	"	"	"	
o-Xylene	ND	9.3	220	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	91	270	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			87.8 %		59.2-130		"	"	"	"

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Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**SG 28**  
**T221641-16(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>48</b>	0.49	12	ug/m <sup>3</sup> Air	1.58	22F0213	06/13/22	06/14/22	TO-15	
<b>1,3-Butadiene</b>	<b>8.6</b>	0.29	4.5	"	"	"	"	"	"	
<b>Carbon Disulfide</b>	<b>12</b>	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>1.8</b>	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>8.2</b>	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>34</b>	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>160</b>	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>2.3</b>	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	
<b>Methylene chloride</b>	<b>2.0</b>	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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**SG 28**  
**T221641-16(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	1.58	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>6.5</b>	0.21	6.9	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>2.9</b>	0.33	5.0	"	"	"	"	"	"	J
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>4.6</b>	0.45	15	"	"	"	"	"	"	J
<b>Methyl isobutyl ketone</b>	<b>3.4</b>	0.14	42	"	"	"	"	"	"	J
<b>Benzene</b>	<b>2.9</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>11</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>2.9</b>	0.14	4.4	"	"	"	"	"	"	J
<b>m,p-Xylene</b>	<b>9.1</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>3.1</b>	0.085	4.4	"	"	"	"	"	"	J
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			97.8 %	59.2-130		"	"	"	"	





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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 29**  
**T221641-17(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
<b>Acetone</b>	<b>5.8</b>	0.49	12	ug/m <sup>3</sup> Air	1.82	22F0213	06/13/22	06/14/22	TO-15	J
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>5.7</b>	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
<b>Hexane</b>	<b>2.4</b>	0.43	3.6	"	"	"	"	"	"	J
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>2.1</b>	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>1.9</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>12</b>	0.079	27	"	"	"	"	"	"	C-06, J

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Brusca Associates Inc.  
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 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 06/17/22 12:58

**SG 29**

**T221641-17(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Styrene	ND	0.19	4.3	ug/m <sup>3</sup> Air	1.82	22F0213	06/13/22	06/14/22	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>4.0</b>	0.21	6.9	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>5.6</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>2.6</b>	0.45	15	"	"	"	"	"	"	J
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>1.2</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>15</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>4.7</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>15</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>5.7</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			98.7 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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*Joann Marroquin*



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 30**  
**T221641-18(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
Acetone	10	0.49	12	ug/m <sup>3</sup> Air	1.53	22F0213	06/13/22	06/14/22	TO-15	J
1,3-Butadiene	6.2	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	1.4	0.22	3.2	"	"	"	"	"	"	J
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	4.4	0.26	7.7	"	"	"	"	"	"	J
Isopropyl alcohol	3.4	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	18	0.16	3.5	"	"	"	"	"	"	
Heptane	6.5	0.15	4.2	"	"	"	"	"	"	
Hexane	16	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	2.2	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	1.9	0.25	5.0	"	"	"	"	"	"	J
Methylene chloride	1.8	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 30**  
**T221641-18(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	1.53	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>8.1</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
<b>Trichlorofluoromethane</b>	<b>1.9</b>	0.24	5.7	"	"	"	"	"	"	J
<b>1,3,5-Trimethylbenzene</b>	<b>1.7</b>	0.49	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>5.8</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>12</b>	0.45	15	"	"	"	"	"	"	J
<b>Methyl isobutyl ketone</b>	<b>2.2</b>	0.14	42	"	"	"	"	"	"	J
<b>Benzene</b>	<b>2.6</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>16</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>5.7</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>21</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>7.0</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			98.7 %	59.2-130		"	"	"	"	

*Joann Marroquin*

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**SG 31**  
**T221641-19(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>4.0</b>	0.49	12	ug/m <sup>3</sup> Air	1.66	22F0213	06/13/22	06/14/22	TO-15	J
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
<b>Isopropyl alcohol</b>	<b>1.5</b>	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>7.3</b>	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>1.7</b>	0.15	4.2	"	"	"	"	"	"	J
<b>Hexane</b>	<b>1.7</b>	0.43	3.6	"	"	"	"	"	"	J
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>2.1</b>	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>2.2</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>1.6</b>	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 31**  
**T221641-19(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	1.66	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>2.5</b>	0.21	6.9	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>2.1</b>	0.49	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>6.5</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>2.7</b>	0.45	15	"	"	"	"	"	"	J
<b>Methyl isobutyl ketone</b>	<b>1.5</b>	0.14	42	"	"	"	"	"	"	J
<b>Benzene</b>	<b>1.7</b>	0.14	3.3	"	"	"	"	"	"	J
<b>Toluene</b>	<b>16</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>5.2</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>19</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>6.5</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			97.7 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 32**  
**T221641-20(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	61	0.49	12	ug/m <sup>3</sup> Air	3.51	22F0213	06/13/22	06/14/22	TO-15	
1,3-Butadiene	37	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	12	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	25	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	9.5	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	76	0.16	3.5	"	"	"	"	"	"	
Heptane	57	0.15	4.2	"	"	"	"	"	"	
Hexane	92	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	4.4	0.25	5.0	"	"	"	"	"	"	J
Methylene chloride	3.8	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 32**  
**T221641-20(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	3.51	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>5.1</b>	0.21	6.9	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>3.9</b>	0.49	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>11</b>	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>39</b>	0.45	15	"	"	"	"	"	"	
<b>Methyl isobutyl ketone</b>	<b>8.9</b>	0.14	42	"	"	"	"	"	"	J
<b>Benzene</b>	<b>16</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>76</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>14</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>45</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>14</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			98.4 %	59.2-130		"	"	"	"	

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**SG 33**  
**T221641-21(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

<b>Acetone</b>	<b>5.9</b>	0.49	12	ug/m <sup>3</sup> Air	1.75	22F0213	06/13/22	06/14/22	TO-15	J
1,3-Butadiene	ND	0.29	4.5	"	"	"	"	"	"	
<b>Carbon Disulfide</b>	<b>5.3</b>	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
<b>Cyclohexane</b>	<b>7.0</b>	0.16	3.5	"	"	"	"	"	"	
<b>Heptane</b>	<b>3.1</b>	0.15	4.2	"	"	"	"	"	"	J
<b>Hexane</b>	<b>3.5</b>	0.43	3.6	"	"	"	"	"	"	J
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
<b>Dichlorodifluoromethane</b>	<b>2.2</b>	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
<b>4-Ethyltoluene</b>	<b>3.7</b>	0.25	5.0	"	"	"	"	"	"	J
<b>Methylene chloride</b>	<b>1.9</b>	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**SG 33**  
**T221641-21(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	1.75	22F0213	06/13/22	06/14/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>4.5</b>	0.21	6.9	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>3.8</b>	0.49	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>8.9</b>	0.33	5.0	"	"	"	"	"	"	J
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
<b>1,4-Dioxane</b>	<b>1.7</b>	0.97	18	"	"	"	"	"	"	J
<b>2-Butanone (MEK)</b>	<b>2.5</b>	0.45	15	"	"	"	"	"	"	J
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
<b>Benzene</b>	<b>3.5</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>42</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>12</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>45</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>15</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			99.5 %	59.2-130		"	"	"	"	

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**SG 34**  
**T221641-22(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Acetone	30	0.49	12	ug/m <sup>3</sup> Air	1.77	22F0213	06/13/22	06/15/22	TO-15	
1,3-Butadiene	6.1	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	4.1	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	12	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	6.6	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	32	0.16	3.5	"	"	"	"	"	"	
Heptane	13	0.15	4.2	"	"	"	"	"	"	
Hexane	23	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	2.2	0.18	5.0	"	"	"	"	"	"	J
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	3.3	0.25	5.0	"	"	"	"	"	"	J
Methylene chloride	6.8	0.079	27	"	"	"	"	"	"	C-06, J
Styrene	ND	0.19	4.3	"	"	"	"	"	"	

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**SG 34**  
**T221641-22(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

1,1,2,2-Tetrachloroethane	ND	0.54	7.0	ug/m <sup>3</sup> Air	1.77	22F0213	06/13/22	06/15/22	TO-15	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
<b>Tetrachloroethene</b>	<b>19</b>	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>19</b>	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>3.0</b>	0.49	5.0	"	"	"	"	"	"	J
<b>1,2,4-Trimethylbenzene</b>	<b>9.2</b>	0.33	5.0	"	"	"	"	"	"	
<b>Vinyl acetate</b>	<b>9.1</b>	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
<b>2-Butanone (MEK)</b>	<b>12</b>	0.45	15	"	"	"	"	"	"	J
<b>Methyl isobutyl ketone</b>	<b>4.0</b>	0.14	42	"	"	"	"	"	"	J
<b>Benzene</b>	<b>4.9</b>	0.14	3.3	"	"	"	"	"	"	
<b>Toluene</b>	<b>36</b>	0.14	3.8	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>8.7</b>	0.14	4.4	"	"	"	"	"	"	
<b>m,p-Xylene</b>	<b>31</b>	0.20	8.8	"	"	"	"	"	"	
<b>o-Xylene</b>	<b>10</b>	0.085	4.4	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			97.7 %	59.2-130		"	"	"	"	



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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22F0205 - Canister Analysis**

**Blank (22F0205-BLK1)**

Prepared: 06/10/22 Analyzed: 06/13/22

<i>Surrogate: 4-Bromofluorobenzene</i>	353			ug/m <sup>3</sup> Air	362		97.5	59.2-130			
Acetone	ND	0.49	12	"							
1,3-Butadiene	ND	0.29	4.5	"							
Carbon Disulfide	ND	0.22	3.2	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"							
Isopropyl alcohol	ND	0.55	13	"							
Bromodichloromethane	ND	0.16	6.8	"							
Bromoform	ND	0.23	11	"							
Bromomethane	ND	0.55	20	"							
Carbon tetrachloride	ND	0.055	6.4	"							
Chlorobenzene	ND	0.098	4.7	"							
Chloroethane	ND	0.35	2.7	"							
Chloroform	ND	0.15	5.0	"							
Chloromethane	ND	0.46	11	"							
Cyclohexane	ND	0.16	3.5	"							
Heptane	ND	0.15	4.2	"							
Hexane	ND	0.43	3.6	"							
Dibromochloromethane	ND	0.26	8.7	"							
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"							
1,2-Dichlorobenzene	ND	0.36	31	"							
1,3-Dichlorobenzene	ND	0.43	31	"							
1,4-Dichlorobenzene	ND	0.44	31	"							
Dichlorodifluoromethane	ND	0.18	5.0	"							
1,1-Dichloroethane	ND	0.23	4.1	"							
1,2-Dichloroethane	ND	0.16	4.1	"							
1,1-Dichloroethane	ND	0.28	4.0	"							

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22F0205 - Canister Analysis**

**Blank (22F0205-BLK1)**

Prepared: 06/10/22 Analyzed: 06/13/22

cis-1,2-Dichloroethene	ND	0.25	4.0	ug/m <sup>3</sup> Air							
trans-1,2-Dichloroethene	ND	0.22	4.0	"							
1,2-Dichloropropane	ND	0.13	4.7	"							
cis-1,3-Dichloropropene	ND	0.21	4.6	"							
trans-1,3-Dichloropropene	ND	0.21	4.6	"							
4-Ethyltoluene	ND	0.25	5.0	"							
Methylene chloride	ND	0.079	27	"							
Styrene	ND	0.19	4.3	"							
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"							
Tetrahydrofuran	ND	0.25	3.0	"							
Tetrachloroethene	ND	0.21	6.9	"							
1,1,2-Trichloroethane	ND	0.19	5.6	"							
1,1,1-Trichloroethane	ND	0.24	5.6	"							
Trichloroethene	ND	0.21	5.5	"							
Trichlorofluoromethane	ND	0.24	5.7	"							
1,3,5-Trimethylbenzene	ND	0.49	5.0	"							
1,2,4-Trimethylbenzene	ND	0.33	5.0	"							
Vinyl acetate	ND	0.18	3.6	"							
Vinyl chloride	ND	0.052	2.6	"							
1,4-Dioxane	ND	0.97	18	"							
2-Butanone (MEK)	ND	0.45	15	"							
Methyl isobutyl ketone	ND	0.14	42	"							
Benzene	ND	0.14	3.3	"							
Toluene	ND	0.14	3.8	"							
Ethylbenzene	ND	0.14	4.4	"							
m,p-Xylene	ND	0.20	8.8	"							
o-Xylene	ND	0.085	4.4	"							

SunStar Laboratories, Inc.

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22F0205 - Canister Analysis**

**Blank (22F0205-BLK1)**

Prepared: 06/10/22 Analyzed: 06/13/22

Methyl tert-butyl ether	ND	0.54	3.7	ug/m <sup>3</sup> Air							
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**Duplicate (22F0205-DUP1)**

Source: T221569-01

Prepared & Analyzed: 06/10/22

**TO-15 High**

<i>Surrogate: 4-Bromofluorobenzene</i>	347			ug/m <sup>3</sup> Air	362		95.8	59.2-130			
Acetone	ND	17	120	"		ND				30	
1,3-Butadiene	ND	8.3	110	"		ND				30	
Carbon Disulfide	ND	11	160	"		ND				30	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	20	390	"		ND				30	
Isopropyl alcohol	ND	22	130	"		ND				30	
Bromodichloromethane	ND	15	340	"		ND				30	
Bromoform	ND	26	530	"		ND				30	
Bromomethane	ND	15	200	"		ND				30	
Carbon tetrachloride	ND	12	320	"		40.8				30	
Chlorobenzene	ND	5.6	230	"		ND				30	
Chloroethane	ND	11	130	"		ND				30	
Chloroform	158	9.4	250	"		175			10.3	30	J
Chloromethane	ND	7.4	110	"		ND				30	
Cyclohexane	ND	12	170	"		ND				30	
Heptane	ND	21	210	"		ND				30	
Hexane	ND	10	180	"		ND				30	
Dibromochloromethane	ND	24	430	"		ND				30	
1,2-Dibromoethane (EDB)	ND	13	390	"		ND				30	
1,2-Dichlorobenzene	ND	18	310	"		ND				30	
1,3-Dichlorobenzene	ND	24	310	"		ND				30	
1,4-Dichlorobenzene	ND	22	310	"		ND				30	
Dichlorodifluoromethane	ND	15	250	"		ND				30	
1,1-Dichloroethane	175	10	210	"		182			3.91	30	J

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22F0205 - Canister Analysis**

Duplicate (22F0205-DUP1)	Source: T221569-01			Prepared & Analyzed: 06/10/22			TO-15 High		
1,2-Dichloroethane	ND	14	210	ug/m <sup>3</sup> Air	ND			30	
1,1-Dichloroethene	649	6.5	200	"	641		1.21	30	
cis-1,2-Dichloroethene	ND	9.7	200	"	ND			30	
trans-1,2-Dichloroethene	ND	13	200	"	ND			30	
1,2-Dichloropropane	31.4	24	240	"	ND			30	DUP-01, J
cis-1,3-Dichloropropene	ND	13	230	"	ND			30	
trans-1,3-Dichloropropene	ND	8.3	230	"	ND			30	
4-Ethyltoluene	ND	15	250	"	ND			30	
Methylene chloride	77.3	17	180	"	77.2		0.133	30	C-06, J
Styrene	ND	13	220	"	ND			30	
1,1,2,2-Tetrachloroethane	ND	19	350	"	ND			30	
Tetrahydrofuran	ND	15	150	"	ND			30	
Tetrachloroethene	707	19	350	"	709		0.184	30	
1,1,2-Trichloroethane	ND	12	280	"	ND			30	
1,1,1-Trichloroethane	ND	11	280	"	ND			30	
Trichloroethene	359	8.7	270	"	371		3.26	30	
Trichlorofluoromethane	31.7	13	290	"	34.3		7.82	30	J
1,3,5-Trimethylbenzene	ND	15	250	"	ND			30	
1,2,4-Trimethylbenzene	ND	15	250	"	ND			30	
Vinyl acetate	ND	9.7	180	"	ND			30	
Vinyl chloride	ND	9.6	130	"	ND			30	
1,4-Dioxane	ND	59	180	"	ND			30	
2-Butanone (MEK)	ND	11	150	"	ND			30	
Methyl isobutyl ketone	ND	50	210	"	ND			30	
Benzene	ND	4.9	160	"	ND			30	
Toluene	29.6	11	190	"	28.9		2.28	30	J
Ethylbenzene	ND	10	220	"	ND			30	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22F0205 - Canister Analysis**

Duplicate (22F0205-DUP1)	Source: T221569-01	Prepared & Analyzed: 06/10/22	TO-15 High		
m,p-Xylene	ND	15	220 ug/m <sup>3</sup> Air	ND	30
o-Xylene	ND	9.3	220 "	ND	30
Methyl tert-butyl ether	ND	3.0	180 "	ND	30

**Batch 22F0213 - Canister Analysis**

Blank (22F0213-BLK1)	Prepared: 06/13/22	Analyzed: 06/14/22			
<i>Surrogate: 4-Bromofluorobenzene</i>	356	ug/m <sup>3</sup> Air	362	98.4	59.2-130
Acetone	ND	0.49	12	"	
1,3-Butadiene	ND	0.29	4.5	"	
Carbon Disulfide	ND	0.22	3.2	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	
Isopropyl alcohol	ND	0.55	13	"	
Bromodichloromethane	ND	0.16	6.8	"	
Bromoform	ND	0.23	11	"	
Bromomethane	ND	0.55	20	"	
Carbon tetrachloride	ND	0.055	6.4	"	
Chlorobenzene	ND	0.098	4.7	"	
Chloroethane	ND	0.35	2.7	"	
Chloroform	ND	0.15	5.0	"	
Chloromethane	ND	0.46	11	"	
Cyclohexane	ND	0.16	3.5	"	
Heptane	ND	0.15	4.2	"	
Hexane	ND	0.43	3.6	"	
Dibromochloromethane	ND	0.26	8.7	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	
1,2-Dichlorobenzene	ND	0.36	31	"	
1,3-Dichlorobenzene	ND	0.43	31	"	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22F0213 - Canister Analysis**

Blank (22F0213-BLK1)											Prepared: 06/13/22 Analyzed: 06/14/22	
1,4-Dichlorobenzene	ND	0.44	31	ug/m <sup>3</sup> Air								
Dichlorodifluoromethane	ND	0.18	5.0	"								
1,1-Dichloroethane	ND	0.23	4.1	"								
1,2-Dichloroethane	ND	0.16	4.1	"								
1,1-Dichloroethene	ND	0.28	4.0	"								
cis-1,2-Dichloroethene	ND	0.25	4.0	"								
trans-1,2-Dichloroethene	ND	0.22	4.0	"								
1,2-Dichloropropane	ND	0.13	4.7	"								
cis-1,3-Dichloropropene	ND	0.21	4.6	"								
trans-1,3-Dichloropropene	ND	0.21	4.6	"								
4-Ethyltoluene	ND	0.25	5.0	"								
Methylene chloride	0.848	0.079	27	"								B-03, J
Styrene	ND	0.19	4.3	"								
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"								
Tetrahydrofuran	ND	0.25	3.0	"								
Tetrachloroethene	ND	0.21	6.9	"								
1,1,2-Trichloroethane	ND	0.19	5.6	"								
1,1,1-Trichloroethane	ND	0.24	5.6	"								
Trichloroethene	ND	0.21	5.5	"								
Trichlorofluoromethane	ND	0.24	5.7	"								
1,3,5-Trimethylbenzene	ND	0.49	5.0	"								
1,2,4-Trimethylbenzene	ND	0.33	5.0	"								
Vinyl acetate	ND	0.18	3.6	"								
Vinyl chloride	ND	0.052	2.6	"								
1,4-Dioxane	ND	0.97	18	"								
2-Butanone (MEK)	ND	0.45	15	"								
Methyl isobutyl ketone	ND	0.14	42	"								

SunStar Laboratories, Inc.

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22F0213 - Canister Analysis**

**Blank (22F0213-BLK1)**

Prepared: 06/13/22 Analyzed: 06/14/22

Benzene	ND	0.14	3.3	ug/m <sup>3</sup> Air							
Toluene	ND	0.14	3.8	"							
Ethylbenzene	ND	0.14	4.4	"							
m,p-Xylene	ND	0.20	8.8	"							
o-Xylene	ND	0.085	4.4	"							
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"							

**Duplicate (22F0213-DUP1)**

Source: T221641-07

Prepared: 06/13/22 Analyzed: 06/14/22

Surrogate	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<i>Surrogate: 4-Bromofluorobenzene</i>	354			ug/m <sup>3</sup> Air	362		97.9	59.2-130			
Acetone	1710	17	120	"		1700			0.513	30	TO-15 High
1,3-Butadiene	21.9	0.29	4.5	"		23.3			6.48	30	
Carbon Disulfide	8.65	0.22	3.2	"		8.97			3.59	30	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"		ND				30	
Isopropyl alcohol	5.68	0.55	13	"		5.56			2.23	30	J
Bromodichloromethane	ND	0.16	6.8	"		ND				30	
Bromoform	ND	0.23	11	"		ND				30	
Bromomethane	ND	0.55	20	"		ND				30	
Carbon tetrachloride	ND	0.055	6.4	"		ND				30	
Chlorobenzene	ND	0.098	4.7	"		ND				30	
Chloroethane	ND	0.35	2.7	"		ND				30	
Chloroform	ND	0.15	5.0	"		ND				30	
Chloromethane	ND	0.46	11	"		ND				30	
Cyclohexane	16.0	0.16	3.5	"		15.1			6.01	30	
Heptane	52.2	0.15	4.2	"		52.0			0.267	30	
Hexane	338	0.43	3.6	"		340			0.670	30	
Dibromochloromethane	ND	0.26	8.7	"		ND				30	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"		ND				30	

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
06/17/22 12:58

**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22F0213 - Canister Analysis**

Duplicate (22F0213-DUP1)	Source: T221641-07			Prepared: 06/13/22 Analyzed: 06/14/22							
1,2-Dichlorobenzene	ND	0.36	31	ug/m <sup>3</sup> Air		ND				30	
1,3-Dichlorobenzene	ND	0.43	31	"		ND				30	
1,4-Dichlorobenzene	ND	0.44	31	"		ND				30	
Dichlorodifluoromethane	2.02	0.18	5.0	"		2.27			11.8	30	J
1,1-Dichloroethane	ND	0.23	4.1	"		ND				30	
1,2-Dichloroethane	ND	0.16	4.1	"		ND				30	
1,1-Dichloroethene	ND	0.28	4.0	"		ND				30	
cis-1,2-Dichloroethene	ND	0.25	4.0	"		ND				30	
trans-1,2-Dichloroethene	ND	0.22	4.0	"		ND				30	
1,2-Dichloropropane	ND	0.13	4.7	"		ND				30	
cis-1,3-Dichloropropene	ND	0.21	4.6	"		ND				30	
trans-1,3-Dichloropropene	ND	0.21	4.6	"		ND				30	
4-Ethyltoluene	2.59	0.25	5.0	"		2.00			25.5	30	J
Methylene chloride	ND	0.079	27	"		2.42				30	
Styrene	ND	0.19	4.3	"		ND				30	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"		ND				30	
Tetrahydrofuran	ND	0.25	3.0	"		ND				30	
Tetrachloroethene	22.8	0.21	6.9	"		22.1			3.08	30	
1,1,2-Trichloroethane	ND	0.19	5.6	"		ND				30	
1,1,1-Trichloroethane	ND	0.24	5.6	"		ND				30	
Trichloroethene	2.01	0.21	5.5	"		2.01			0.00	30	J
Trichlorofluoromethane	ND	0.24	5.7	"		ND				30	
1,3,5-Trimethylbenzene	2.34	0.49	5.0	"		1.75			28.6	30	J
1,2,4-Trimethylbenzene	6.18	0.33	5.0	"		5.68			8.45	30	
Vinyl acetate	ND	0.18	3.6	"		ND				30	
Vinyl chloride	ND	0.052	2.6	"		ND				30	
1,4-Dioxane	ND	0.97	18	"		ND				30	

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Brusca Associates Inc. PO Box 332 Roseville CA, 95661	Project: Pedrick Road Property Project Number: 347-001 Project Manager: Joe Brusca	Reported: 06/17/22 12:58
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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22F0213 - Canister Analysis**

Duplicate (22F0213-DUP1)	Source: T221641-07			Prepared: 06/13/22 Analyzed: 06/14/22						
2-Butanone (MEK)	42.6	0.45	15	ug/m <sup>3</sup> Air	45.0	5.48	30			
Methyl isobutyl ketone	10.3	0.14	42	"	10.7	3.97	30			J
Benzene	3.20	0.14	3.3	"	3.31	3.33	30			J
Toluene	3.46	0.14	3.8	"	3.33	3.77	30			J
Ethylbenzene	3.91	0.14	4.4	"	3.76	3.85	30			J
m,p-Xylene	15.1	0.20	8.8	"	14.8	2.47	30			
o-Xylene	4.87	0.085	4.4	"	4.87	0.00	30			
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	ND		30			

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Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
06/17/22 12:58

### Notes and Definitions

- TO-15 High TO-15 analysis of sample was analyzed using an elevated calibration range due to high analyte and/or background concentrations. The reporting limit has been adjusted accordingly.
- J Detected but below the Standard Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- E The concentration indicated for this analyte is above the calibration range of the instrument. This value should be considered as an estimated concentration.
- DUP-01 The RPD result exceeded the QC control limits for this analyte; sample results for the QC batch were accepted based on acceptable RPD for remaining analytes as well as acceptable BS and/or CCV recoveries.
- C-06 Presence of analyte in sample suspected as common laboratory contaminant, which was also found in the method blank.
- B-03 Analyte present in blank due to being a common laboratory contaminant.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

# AIR LABORATORY

## Chain of Custody Record



**SunStar  
Laboratories, Inc.**

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive, Lake Forest, CA 92630  
949-297-5020

Client: BRUSCA ASSOCIATES, INC.  
Address: PO BOX 332, ROSEVILLE, CA 95661  
Phone: (916) 677-1470 Fax: \_\_\_\_\_  
Project Manager: JOE BRUSCA

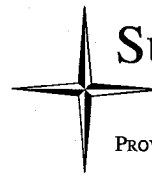
Date: 6/6/22 Page: 1 Of 2  
Project Name: PEDRICK ROAD PROPERTY  
Collector: BRUSCA Client Project #: 347-001  
Batch #: T221641 EDF #: \_\_\_\_\_

Laboratory ID #	Sample ID	Date Sampled	Start Time	Finish Time	Sample Type : Soil Gas / Indoor Air	Container Type: Summa Can / Tedlar	Initial Pressure	Final Pressure	TO-3	TO-14	TO-15 *	Methane by GC - FID	Fixed Gases by TCD	RSK - 175	Summa Can, Manifold # / Comments
1	SG-13	6/6/22	10:14	10:25	Soil Gas	SUMMA	-30	-5			X				0279
2	SG-14		10:14	12:23			-30	-15			X				0250
3	SG-15		10:23	10:30			-30	-5			X				0684
4	SG-16		10:23	11:36			-26	-10			X				0452
5	SG-17		10:34	10:41			-30	-5			X				0823
6	SG-18		10:34	11:48			-30	-9			X				0274
7	SG-19		10:44	10:51			-30	-5			X				0775
8	SG-20		10:44	10:52			-30	-5			X				0249
9	SG-21		10:49	10:56			-30	-5			X				0244
10	SG-22		10:49	10:56			-30	-5			X				0409
11	SG-23		11:02	11:09			-30	-5			X				0665
12	SG-24		11:02	12:19			-30	-15			X				0429
13	SG-25		11:22	11:30			-30	-5			X				0490
14	SG-26		11:22	12:17			-26	-15			X				0715
15	SG-27		11:12	11:20			-30	-5			X				0365
Relinquished by: (signature)		Date / Time		Received by: (signature)		Date / Time		Total # of containers		Notes					
<i>[Signature]</i>		6/7/22; 10:00		<i>[Signature]</i>		6/7/22, 1000		Chain of Custody seals <input checked="" type="checkbox"/> N/NA							
Relinquished by: (signature)		Date / Time		Received by: (signature)		Date / Time		Seals intact? <input checked="" type="checkbox"/> N/NA							
<i>[Signature]</i>		6/7/22, 1700		<i>[Signature]</i>		GLS		Received good condition/cold <input checked="" type="checkbox"/>							
Relinquished by: (signature)		Date / Time		Received by: (signature)		Date / Time		Turn around time: <i>NORMAL</i>							
<i>[Signature]</i>		6-8-22 1511		<i>[Signature]</i>		6-8-22 1511									

\* TO-15 SIM analysis available upon prior notification. (Precertified Summa cans needed)

# AIR LABORATORY

## Chain of Custody Record



SunStar  
Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive, Lake Forest, CA 92630  
949-297-5020

Client: BRUSCA ASSOCIATES, INC.  
Address: PO Box 332, ROSEVILLE, CA 95661  
Phone: (916) 677-1470 Fax: \_\_\_\_\_  
Project Manager: JOE BRUSCA

Date: 6/6/22 Page: 2 Of 2  
Project Name: REDRICK ROAD PROPERTY  
Collector: BRUSCA Client Project #: 347-001  
Batch #: T221641 EDF #: \_\_\_\_\_

Laboratory ID #	Sample ID	Date Sampled	Start Time	Finish Time	Sample Type : Soil Gas / Indoor Air	Container Type: Summa Can / Tedlar	Initial Pressure	Final Pressure	TO-3	TO-14	TO-15 *	Methane by GC - FID	Fixed Gases by TCD	RSK - 175	Summa Can, Manifold # / Comments
16	SG28	6/6/22	11:12	11:20	Soil Gas	Summa	-30	-5			X				0713
17	SG29		11:33	11:40			-30	-5			X				0666
18	SG30		11:33	11:40			-25	-5			X				0643
19	SG31		11:45	11:52			-30	-5			X				0849
20	SG32		11:45	12:26			-29	-16			X				0612
21	SG33		11:57	12:04			-30	-5			X				0680
22	SG34		11:57	12:12			-30	-5			X				0293

Relinquished by: (signature) <i>[Signature]</i>	Date / Time 6/7/22; 10:00	Received by: (signature) <i>[Signature]</i>	Date / Time 6/7/22 1000	Total # of containers Chain of Custody seals <input checked="" type="checkbox"/> N/NA Seals intact? <input checked="" type="checkbox"/> N/NA Received good condition/cold <input checked="" type="checkbox"/>	Notes * INCLUDE 1, 1 DFA
Relinquished by: (signature) <i>[Signature]</i>	Date / Time 6/7/22 1700	Received by: (signature) <i>[Signature]</i>	Date / Time		
Relinquished by: (signature) <i>[Signature]</i>	Date / Time 6.8.22 1511	Received by: (signature) <i>[Signature]</i>	Date / Time 6.8.22 1511		

Turn around time: NORMAL

\* TO-15 SIM analysis available upon prior notification. (Precertified Summa cans needed)





## SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T221641

Client Name: Brusca

Project: Pedrick Road Property

Delivered by:  Client  SunStar Courier  GLS  FedEx  UPS

If Courier, Received by: \_\_\_\_\_ Date/Time Courier Received: \_\_\_\_\_

Lab Received by: Dave Date/Time Lab Received: 6.8.22 1511

Total number of coolers received: N/A Thermometer ID: SC-1 Calibration due: 8/24/22

Temperature: Cooler #1	°C +/- the CF (+0.1 °C) =	°C corrected temperature
Temperature: Cooler #2	°C +/- the CF (+0.1 °C) =	°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (+0.1 °C) =	°C corrected temperature
<b>Temperature criteria = ≤ 6°C (no frozen containers)</b>		Within criteria? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<b>If NO:</b>		
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet

- Custody seals intact on cooler/sample  Yes  No\*  N/A
- Sample containers intact  Yes  No\*
- Sample labels match Chain of Custody IDs  Yes  No\*
- Total number of containers received match COC  Yes  No\*
- Proper containers received for analyses requested on COC  Yes  No\*
- Proper preservative indicated on COC/containers for analyses requested  Yes  No\*  N/A
- Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times  Yes  No\*

\* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: DB

Comments: SG21 reads on C.O.C as "0244", but we received can # "0422". All other sample I.D.s match.

## SAMPLE NON-CONFORMANCE SHEET

Batch/Work Order # T221641

▪ **COOLERS**

- Not Received (received COC only)
- Leaking/Damaged
- Other:

▪ **CUSTODY SEALS**

- None
- Not Intact

▪ **TEMPERATURE (Temp criteria  $\leq 6^{\circ}\text{C}$ )**

- Cooler/Sample Temp(s)
- Temperature Blank(s)

▪ **CHAIN OF CUSTODY (COC)**

Not relinquished by client; No date/time relinquished

- Incomplete information provided
- COC not received – notify PM

▪ **CONTAINERS**

- Leaking                       Broken
- Extra                               Missing

▪ **LABELS**

- Not the same sample ID / info as on the COC
- Incomplete Information
- Markings/Info illegible

▪ **SAMPLES**

- Samples **NOT RECEIVED** but listed on COC
- Samples received but **NOT LISTED** on COC
- Logged based on Label Information and not COC
- Logged according to Work Plan and not COC
- Logged in, **ON HOLD** until further notice
- Insufficient quantities for analysis
- Improper container used

- Mislabeled as to tests, preservatives, etc.
- Holding time expired – list sample ID and test
- Not preserved/Improper preservative used
- Without Labels, no information on containers
- VOA vial(s) containing headspace  $>6\text{mm}$
- Other

Project Manager notified of sample non-conformance(s)

Yes     No

All samples accepted for processing and distributing to laboratory(ies)

Yes     No

For samples not accepted due to non-conformance, specify each specific sample ID being rejected in the comments section below:

**Comments:**

---



T221641

Project Name: PEDRICK RD				Rebecca	
Company: BRUSCA				DB	
Name: JOE					
Item	Quantity	Unit			
2 oz Jars 24/CS					
4 oz Jars 24/CS					
8 oz Jars 12/CS					
40 ml unpreserved VOAs 100/box					
40 ml HCL-preserved VOAs 72/box					
250 ml Poly 24/CS					
500 ml Poly 16/CS					
1 Liter Poly 12/CS					
500 ml Amber Bottle Wide 12/CS					
1 Liter Amber Bottle 12/CS					
1 Gallon Poly 4/box					
5035 kits:(2)Sodium Bisulfate VOAs 72/box					
	(1) Methanol VOA 72/box				
	(1) SYRINGE				
Lock-N-Load Handle 1/ea					
Tedlar Bags 10/pack					
Sub Slab Insert w/ washer & N/F					
Soil Gas SS 16" Drop Tubes					
Gas Extraction Fittings					
Soil Gas Filters					
	Volume of Summa	# Sent	Used	Unused	Unreturned
Batch Certified Summa Canisters	400cc				
	1L	23+1	CHARGE 22	2	0
	3L				
	6L				
Purge cans					
Nitrogen cans	1L				
Ind. Cerified Summa Cannisters	1L				
	3L				
	6L				
63/153 Manifolds, Var. Sampler, etc. Calibrated Correctly - Gauge Reads at 0					
Manifolds: Inst. Sampler, Variable Sampler, Shut In Set Ups, 150ml/mn, 63ml/mn	2 MANIFOLDS (150)		CHARGE 1		0
Swagelok Fittings: Nuts/Ferrules, Ts					
Cooler (Sm, Med, Lrg) Number & Quantity					
Other: Poly Tube, Valves, Silicon Tape, etc.					
Prepared By: DB	Date: 6/3/22				
Reviewed By:	Date:				
<b>Comments:</b>					
Cooler Policy: Failure to return cooler(s) within 30 days of receipt or if the returned cooler(s) are in unusable condition, will result in a \$50 per cooler fee for replacement costs.					

# Check In Report

Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
9009	Orange Box	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8698	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8715	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8672	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8660	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8668	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8671	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8661	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8517	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8547	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8651	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8667	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8677	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8670	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8691	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		

AB

# Check In Report

Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
8686	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8700	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8706	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8714	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8654	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8681	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8684	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
8680	150 cc	6/13/2022	6/8/2022 04:02 PM		Joe Brusca	SunStar Labs South		
0054	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0849	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0274	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0365	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0713	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0490	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0452	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		

AB

1221691



# Check In Report

Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
0666	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0665	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0823	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0775	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0684	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0612	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0715	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0293	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0680	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0250	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0429	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0643	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0479	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0422	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0409	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		

T221671



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# Check In Report

Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
0279	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		
0249	1000 cc	6/13/2022	6/8/2022 04:03 PM		Joe Brusca	SunStar Labs South		





**WORK ORDER**

**T221641**

**Client: Brusca Associates Inc.**  
**Project: Pedrick Road Property**

**Project Manager: Joann Marroquin**  
**Project Number: 347-001**

**Report To:**

Brusca Associates Inc.  
 Joe Brusca  
 PO Box 332  
 Roseville, CA 95661

Date Due: 06/17/22 00:00 (7 day TAT)

Received By: Dave Berner

Date Received: 06/08/22 15:11

Logged In By: Elizabeth Sprowell

Date Logged In: 06/08/22 16:32

Samples Received at:

Custody Seals	No	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	No		

Analysis	Due	TAT	Expires	Comments
<b>T221641-01 SG 13 [Air] Sampled 06/06/22 10:18 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 10:18	Include 1,1 DFA
<b>T221641-02 SG 14 [Air] Sampled 06/06/22 10:18 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 10:18	Include 1,1 DFA
<b>T221641-03 SG 15 [Air] Sampled 06/06/22 10:23 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 10:23	Include 1,1 DFA
<b>T221641-04 SG 16 [Air] Sampled 06/06/22 10:23 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 10:23	Include 1,1 DFA
<b>T221641-05 SG 17 [Air] Sampled 06/06/22 10:34 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 10:34	Include 1,1 DFA
<b>T221641-06 SG 18 [Air] Sampled 06/06/22 10:34 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 10:34	Include 1,1 DFA
<b>T221641-07 SG 19 [Air] Sampled 06/06/22 10:44 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 10:44	Include 1,1 DFA

**WORK ORDER**

**T221641**

<b>Client:</b> Brusca Associates Inc.	<b>Project Manager:</b> Joann Marroquin
<b>Project:</b> Pedrick Road Property	<b>Project Number:</b> 347-001

Analysis	Due	TAT	Expires	Comments
<b>T221641-08 SG 20 [Air] Sampled 06/06/22 10:44 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 10:44	Include 1,1 DFA
<b>T221641-09 SG 21 [Air] Sampled 06/06/22 10:49 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 10:49	Include 1,1 DFA
<b>T221641-10 SG 22 [Air] Sampled 06/06/22 10:49 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 10:49	Include 1,1 DFA
<b>T221641-11 SG 23 [Air] Sampled 06/06/22 11:02 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:02	Include 1,1 DFA
<b>T221641-12 SG 24 [Air] Sampled 06/06/22 11:02 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:02	Include 1,1 DFA
<b>T221641-13 SG 25 [Air] Sampled 06/06/22 11:22 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:22	Include 1,1 DFA
<b>T221641-14 SG 26 [Air] Sampled 06/06/22 11:22 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:22	Include 1,1 DFA
<b>T221641-15 SG 27 [Air] Sampled 06/06/22 11:12 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:12	Include 1,1 DFA
<b>T221641-16 SG 28 [Air] Sampled 06/06/22 11:12 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:12	Include 1,1 DFA
<b>T221641-17 SG 29 [Air] Sampled 06/06/22 11:33 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:33	Include 1,1 DFA
<b>T221641-18 SG 30 [Air] Sampled 06/06/22 11:33 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:33	Include 1,1 DFA

**WORK ORDER**

**T221641**

<b>Client:</b> Brusca Associates Inc.	<b>Project Manager:</b> Joann Marroquin
<b>Project:</b> Pedrick Road Property	<b>Project Number:</b> 347-001

Analysis	Due	TAT	Expires	Comments
<b>T221641-19 SG 31 [Air] Sampled 06/06/22 11:45 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:45	Include 1,1 DFA
<b>T221641-20 SG 32 [Air] Sampled 06/06/22 11:45 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:45	Include 1,1 DFA
<b>T221641-21 SG 33 [Air] Sampled 06/06/22 11:57 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:57	Include 1,1 DFA
<b>T221641-22 SG 34 [Air] Sampled 06/06/22 11:57 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	06/17/22 00:00	7	07/06/22 11:57	Include 1,1 DFA



25712 Commercentre Drive  
Lake Forest, California 92630  
949.297.5020 Phone  
949.297.5027 Fax

19 October 2022

Joe Brusca  
Brusca Associates Inc.  
PO Box 332  
Roseville, CA 95661  
RE: Pedrick Road Property

Enclosed are the results of analyses for samples received by the laboratory on 10/07/22 10:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joann Marroquin  
Director of Operations



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

**Reported:**  
 10/19/22 13:51

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SG-35	T222816-01	Air	10/06/22 10:43	10/07/22 10:05
SG-36	T222816-02	Air	10/06/22 10:44	10/07/22 10:05
SG-37	T222816-03	Air	10/06/22 10:57	10/07/22 10:05
SG-38	T222816-04	Air	10/06/22 10:58	10/07/22 10:05
SG-39	T222816-05	Air	10/06/22 11:16	10/07/22 10:05
SG-40	T222816-06	Air	10/06/22 11:17	10/07/22 10:05
SG-41	T222816-07	Air	10/06/22 11:30	10/07/22 10:05
SG-42	T222816-08	Air	10/06/22 11:31	10/07/22 10:05
SG-43	T222816-09	Air	10/06/22 11:44	10/07/22 10:05
SG-44	T222816-10	Air	10/06/22 11:45	10/07/22 10:05

Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

Reported:  
10/19/22 13:51

**DETECTIONS SUMMARY**

**Sample ID:** SG-35 **Laboratory ID:** T222816-01

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Tetrachloroethene	2.8	6.9	ug/m <sup>3</sup> Air	TO-15	J

**Sample ID:** SG-36 **Laboratory ID:** T222816-02

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Benzene	3.8	3.3	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG-37 **Laboratory ID:** T222816-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Tetrachloroethene	6.8	6.9	ug/m <sup>3</sup> Air	TO-15	J
Benzene	1.1	3.3	ug/m <sup>3</sup> Air	TO-15	J

**Sample ID:** SG-38 **Laboratory ID:** T222816-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Benzene	4.0	3.3	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG-39 **Laboratory ID:** T222816-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Tetrachloroethene	13	6.9	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG-40 **Laboratory ID:** T222816-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			

SunStar Laboratories, Inc.

*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.*



Brusca Associates Inc.  
PO Box 332  
Roseville CA, 95661

Project: Pedrick Road Property  
Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
10/19/22 13:51

**Sample ID:** SG-40 **Laboratory ID:** T222816-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Benzene	2.8	3.3	ug/m <sup>3</sup> Air	TO-15	J

**Sample ID:** SG-41 **Laboratory ID:** T222816-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Tetrachloroethene	8.5	6.9	ug/m <sup>3</sup> Air	TO-15	

**Sample ID:** SG-42 **Laboratory ID:** T222816-08

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Tetrachloroethene	2.5	6.9	ug/m <sup>3</sup> Air	TO-15	J
Benzene	2.1	3.3	ug/m <sup>3</sup> Air	TO-15	J

**Sample ID:** SG-43 **Laboratory ID:** T222816-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Tetrachloroethene	2.5	6.9	ug/m <sup>3</sup> Air	TO-15	J

**Sample ID:** SG-44 **Laboratory ID:** T222816-10

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Trichloroethene	4.6	5.5	ug/m <sup>3</sup> Air	TO-15	J
Benzene	3.0	3.3	ug/m <sup>3</sup> Air	TO-15	J



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**SG-35**  
**T222816-01(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Chloroform	ND	0.15	5.0	ug/m <sup>3</sup> Air	1.69	22J0246	10/17/22	10/18/22	TO-15	
<b>Tetrachloroethene</b>	<b>2.8</b>	0.59	6.9	"	"	"	"	"	"	J
Trichloroethene	ND	0.16	5.5	"	"	"	"	"	"	
Benzene	ND	0.080	3.3	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			96.2 %	59.2-130		"	"	"	"	

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**SG-36**  
**T222816-02(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Chloroform	ND	0.15	5.0	ug/m <sup>3</sup> Air	1.88	22J0246	10/17/22	10/18/22	TO-15	
Tetrachloroethene	ND	0.59	6.9	"	"	"	"	"	"	
Trichloroethene	ND	0.16	5.5	"	"	"	"	"	"	
<b>Benzene</b>	<b>3.8</b>	0.080	3.3	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			95.0 %	59.2-130		"	"	"	"	

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Project Number: 347-001  
Project Manager: Joe Brusca

**Reported:**  
10/19/22 13:51

**SG-37**

**T222816-03(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Chloroform	ND	0.15	5.0	ug/m <sup>3</sup> Air	1.58	22J0246	10/17/22	10/18/22	TO-15	
<b>Tetrachloroethene</b>	<b>6.8</b>	0.59	6.9	"	"	"	"	"	"	J
Trichloroethene	ND	0.16	5.5	"	"	"	"	"	"	
<b>Benzene</b>	<b>1.1</b>	0.080	3.3	"	"	"	"	"	"	J
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			97.8 %	59.2-130		"	"	"	"	





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**SG-38**  
**T222816-04(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Chloroform	ND	0.15	5.0	ug/m <sup>3</sup> Air	1.68	22J0246	10/17/22	10/18/22	TO-15	
Tetrachloroethene	ND	0.59	6.9	"	"	"	"	"	"	
Trichloroethene	ND	0.16	5.5	"	"	"	"	"	"	
<b>Benzene</b>	<b>4.0</b>	0.080	3.3	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			97.1 %	59.2-130		"	"	"	"	



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**SG-39**  
**T222816-05(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Chloroform	ND	0.15	5.0	ug/m <sup>3</sup> Air	2.13	22J0246	10/17/22	10/18/22	TO-15	
<b>Tetrachloroethene</b>	<b>13</b>	0.59	6.9	"	"	"	"	"	"	
Trichloroethene	ND	0.16	5.5	"	"	"	"	"	"	
Benzene	ND	0.080	3.3	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			97.8 %	59.2-130		"	"	"	"	

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**SG-40**  
**T222816-06(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

<b>TO-15</b>										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloroform	ND	0.15	5.0	ug/m <sup>3</sup> Air	1.67	22J0246	10/17/22	10/18/22	TO-15	
Tetrachloroethene	ND	0.59	6.9	"	"	"	"	"	"	
Trichloroethene	ND	0.16	5.5	"	"	"	"	"	"	
<b>Benzene</b>	<b>2.8</b>	0.080	3.3	"	"	"	"	"	"	J
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			98.1 %	59.2-130		"	"	"	"	

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**SG-41**  
**T222816-07(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Chloroform	ND	0.15	5.0	ug/m <sup>3</sup> Air	1.63	22J0246	10/17/22	10/19/22	TO-15	
<b>Tetrachloroethene</b>	<b>8.5</b>	0.59	6.9	"	"	"	"	"	"	
Trichloroethene	ND	0.16	5.5	"	"	"	"	"	"	
Benzene	ND	0.080	3.3	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			96.7 %	59.2-130		"	"	"	"	

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**SG-42**  
**T222816-08(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Chloroform	ND	0.15	5.0	ug/m <sup>3</sup> Air	1.75	22J0246	10/17/22	10/19/22	TO-15	
<b>Tetrachloroethene</b>	<b>2.5</b>	0.59	6.9	"	"	"	"	"	"	J
Trichloroethene	ND	0.16	5.5	"	"	"	"	"	"	
<b>Benzene</b>	<b>2.1</b>	0.080	3.3	"	"	"	"	"	"	J
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			96.9 %	59.2-130		"	"	"	"	

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**SG-43**  
**T222816-09(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Chloroform	ND	0.15	5.0	ug/m <sup>3</sup> Air	1.73	22J0246	10/17/22	10/19/22	TO-15	
<b>Tetrachloroethene</b>	<b>2.5</b>	0.59	6.9	"	"	"	"	"	"	J
Trichloroethene	ND	0.16	5.5	"	"	"	"	"	"	
Benzene	ND	0.080	3.3	"	"	"	"	"	"	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			98.0 %	59.2-130		"	"	"	"	







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**SG-44**  
**T222816-10(Air)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

**TO-15**

Chloroform	ND	0.15	5.0	ug/m <sup>3</sup> Air	1.85	22J0246	10/17/22	10/19/22	TO-15	
Tetrachloroethene	ND	0.59	6.9	"	"	"	"	"	"	
<b>Trichloroethene</b>	<b>4.6</b>	0.16	5.5	"	"	"	"	"	"	J
<b>Benzene</b>	<b>3.0</b>	0.080	3.3	"	"	"	"	"	"	J
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>			97.7 %	59.2-130		"	"	"	"	

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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22J0246 - Canister Analysis**

**Blank (22J0246-BLK1)**

Prepared: 10/17/22 Analyzed: 10/18/22

<i>Surrogate: 4-Bromofluorobenzene</i>	356			ug/m <sup>3</sup> Air	362		98.4	59.2-130			
Acetone	ND	1.3	12	"							
1,3-Butadiene	ND	0.17	4.5	"							
Carbon Disulfide	ND	0.089	3.2	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"							
Isopropyl alcohol	ND	0.33	13	"							
Bromodichloromethane	ND	0.30	6.8	"							
Bromoform	ND	0.23	11	"							
Bromomethane	ND	0.11	20	"							
Carbon tetrachloride	ND	0.18	6.4	"							
Chlorobenzene	ND	0.12	4.7	"							
Chloroethane	ND	0.20	2.7	"							
Chloroform	ND	0.15	5.0	"							
Chloromethane	ND	0.074	11	"							
Cyclohexane	ND	0.65	3.5	"							
Heptane	ND	0.32	4.2	"							
Hexane	ND	0.38	3.6	"							
Dibromochloromethane	ND	0.25	8.7	"							
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"							
1,2-Dichlorobenzene	ND	0.31	31	"							
1,3-Dichlorobenzene	ND	0.23	31	"							
1,4-Dichlorobenzene	ND	0.37	31	"							
Dichlorodifluoromethane	ND	0.18	5.0	"							
1,1-Dichloroethane	ND	0.16	4.1	"							
1,2-Dichloroethane	ND	0.21	4.1	"							
1,1-Dichloroethene	ND	0.12	4.0	"							

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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22J0246 - Canister Analysis**

**Blank (22J0246-BLK1)**

Prepared: 10/17/22 Analyzed: 10/18/22

cis-1,2-Dichloroethene	ND	0.18	4.0	ug/m <sup>3</sup> Air							
trans-1,2-Dichloroethene	ND	0.11	4.0	"							
1,2-Dichloropropane	ND	0.30	4.7	"							
cis-1,3-Dichloropropene	ND	0.29	4.6	"							
trans-1,3-Dichloropropene	ND	0.28	4.6	"							
4-Ethyltoluene	ND	0.19	5.0	"							
Methylene chloride	ND	2.6	27	"							
Styrene	ND	0.16	4.3	"							
1,1,2,2-Tetrachloroethane	ND	0.17	7.0	"							
Tetrahydrofuran	ND	0.17	3.0	"							
Tetrachloroethene	ND	0.59	6.9	"							
1,1,2-Trichloroethane	ND	0.30	5.6	"							
1,1,1-Trichloroethane	ND	0.14	5.6	"							
Trichloroethene	ND	0.16	5.5	"							
Trichlorofluoromethane	ND	0.16	5.7	"							
1,3,5-Trimethylbenzene	ND	0.23	5.0	"							
1,2,4-Trimethylbenzene	ND	0.22	5.0	"							
Vinyl acetate	ND	0.91	3.6	"							
Vinyl chloride	ND	0.093	2.6	"							
1,4-Dioxane	ND	0.44	18	"							
2-Butanone (MEK)	ND	0.27	15	"							
Methyl isobutyl ketone	ND	0.15	42	"							
Benzene	ND	0.080	3.3	"							
Toluene	ND	0.33	3.8	"							
Ethylbenzene	ND	0.11	4.4	"							
m,p-Xylene	ND	0.14	8.8	"							
o-Xylene	ND	0.11	4.4	"							

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**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22J0246 - Canister Analysis**

**Blank (22J0246-BLK1)** Prepared: 10/17/22 Analyzed: 10/18/22

1,1-Difluoroethane (1,1-DFA) ND 3.3 27 ug/m<sup>3</sup> Air

**Duplicate (22J0246-DUP1)** Source: T222816-01 Prepared: 10/17/22 Analyzed: 10/18/22

<i>Surrogate: 4-Bromofluorobenzene</i>	356			ug/m <sup>3</sup> Air	362		98.2	59.2-130			
Acetone	20.8	1.3	12	"		15.5			29.3	30	
1,3-Butadiene	ND	0.17	4.5	"		ND				30	
Carbon Disulfide	4.00	0.089	3.2	"		4.00			0.00	30	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"		ND				30	
Isopropyl alcohol	2.83	0.33	13	"		2.71			4.58	30	J
Bromodichloromethane	ND	0.30	6.8	"		ND				30	
Bromoform	ND	0.23	11	"		ND				30	
Bromomethane	ND	0.11	20	"		ND				30	
Carbon tetrachloride	ND	0.18	6.4	"		ND				30	
Chlorobenzene	ND	0.12	4.7	"		ND				30	
Chloroethane	ND	0.20	2.7	"		ND				30	
Chloroform	ND	0.15	5.0	"		ND				30	
Chloromethane	ND	0.074	11	"		ND				30	
Cyclohexane	4.97	0.65	3.5	"		5.15			3.51	30	
Heptane	1.90	0.32	4.2	"		1.90			0.00	30	J
Hexane	4.00	0.38	3.6	"		4.12			2.99	30	
Dibromochloromethane	ND	0.25	8.7	"		ND				30	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"		ND				30	
1,2-Dichlorobenzene	ND	0.31	31	"		ND				30	
1,3-Dichlorobenzene	ND	0.23	31	"		ND				30	
1,4-Dichlorobenzene	ND	0.37	31	"		ND				30	
Dichlorodifluoromethane	ND	0.18	5.0	"		ND				30	
1,1-Dichloroethane	ND	0.16	4.1	"		ND				30	

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Brusca Associates Inc.  
 PO Box 332  
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Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

Reported:  
 10/19/22 13:51

**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22J0246 - Canister Analysis**

Duplicate (22J0246-DUP1)	Source: T222816-01			Prepared: 10/17/22 Analyzed: 10/18/22						
1,2-Dichloroethane	ND	0.21	4.1	ug/m <sup>3</sup> Air	ND				30	
1,1-Dichloroethene	ND	0.12	4.0	"	ND				30	
cis-1,2-Dichloroethene	ND	0.18	4.0	"	ND				30	
trans-1,2-Dichloroethene	ND	0.11	4.0	"	ND				30	
1,2-Dichloropropane	ND	0.30	4.7	"	ND				30	
cis-1,3-Dichloropropene	ND	0.29	4.6	"	ND				30	
trans-1,3-Dichloropropene	ND	0.28	4.6	"	ND				30	
4-Ethyltoluene	ND	0.19	5.0	"	ND				30	
Methylene chloride	6.69	2.6	27	"	6.75			0.889	30	J
Styrene	1.68	0.16	4.3	"	1.61			4.44	30	J
1,1,2,2-Tetrachloroethane	ND	0.17	7.0	"	ND				30	
Tetrahydrofuran	ND	0.17	3.0	"	ND				30	
Tetrachloroethene	2.92	0.59	6.9	"	2.80			4.08	30	J
1,1,2-Trichloroethane	ND	0.30	5.6	"	ND				30	
1,1,1-Trichloroethane	ND	0.14	5.6	"	ND				30	
Trichloroethene	ND	0.16	5.5	"	ND				30	
Trichlorofluoromethane	ND	0.16	5.7	"	ND				30	
1,3,5-Trimethylbenzene	ND	0.23	5.0	"	ND				30	
1,2,4-Trimethylbenzene	2.45	0.22	5.0	"	2.62			6.67	30	J
Vinyl acetate	ND	0.91	3.6	"	ND				30	
Vinyl chloride	ND	0.093	2.6	"	ND				30	
1,4-Dioxane	ND	0.44	18	"	ND				30	
2-Butanone (MEK)	2.68	0.27	15	"	2.68			0.00	30	J
Methyl isobutyl ketone	ND	0.15	42	"	ND				30	
Benzene	ND	0.080	3.3	"	ND				30	
Toluene	ND	0.33	3.8	"	ND				30	
Ethylbenzene	ND	0.11	4.4	"	ND				30	

SunStar Laboratories, Inc.

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.



25712 Commercentre Drive  
 Lake Forest, California 92630  
 949.297.5020 Phone  
 949.297.5027 Fax

Brusca Associates Inc.  
 PO Box 332  
 Roseville CA, 95661

Project: Pedrick Road Property  
 Project Number: 347-001  
 Project Manager: Joe Brusca

**Reported:**  
 10/19/22 13:51

**TO-15 - Quality Control**  
**SunStar Laboratories, Inc.**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 22J0246 - Canister Analysis**

Duplicate (22J0246-DUP1)	Source: T222816-01		Prepared: 10/17/22 Analyzed: 10/18/22								
m,p-Xylene	1.64	0.14	8.8	ug/m <sup>3</sup> Air		1.57			4.65	30	J
o-Xylene	ND	0.11	4.4	"		ND				30	
1,1-Difluoroethane (1,1-DFA)	ND	3.3	27	"		ND				30	

SunStar Laboratories, Inc.

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**Reported:**  
10/19/22 13:51

### Notes and Definitions

- J Detected but below the Standard Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the Method Detection Limit (MDL)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

# AIR LABORATORY

## Chain of Custody Record



SunStar  
Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE  
25712 Commercentre Drive, Lake Forest, CA 92630  
949-297-5020

Client: BRUSCA ASSOCIATES, INC.  
Address: PO Box 332, Roseville, CA 95661  
Phone: (916) 677-1470 Fax: (916) 677-1471  
Project Manager: JOE BRUSCA

Date: 10/6/22 Page: 1 Of 1  
Project Name: PEDRICK ROAD PROPERTY  
Collector: BRUSCA Client Project #: 347-001  
Batch #: T222816 EDF #:

Sample ID	Date Sampled	Start Time	Finish Time	Sample Type : Soil Gas / Indoor Air	Container Type: Summa Can / Tedlar	Initial Pressure	Final Pressure	TO-3	TO-14	TO-15 * SEE NOTES	8015m Methane	8015m Gasoline	Fixed Gases by TCD	Summa Can # / Comments	Laboratory ID #
S6-35	10/6/22	10:43	10:50	Soil Gas	Summa	-30	-5			X				0222	1
S6-36		10:44	10:54			-30	-5			X				0148	2
S6-37		10:57	11:03			-29	-5			X				0621	3
S6-38		10:59	11:24			-30	-5			X				0496	4
S6-39		11:16	11:23			-28	-5			X				0253	5
S6-40		11:27	11:26			-30	-5			X				0719	6
S6-41		11:30	11:37			-30	-5			X				0266	7
S6-42		11:31	11:59			-30	-5			X				0693	8
S6-43		11:44	11:52			-30	-5			X				0313	9
S6-44		11:45	12:06			-30	-5			X				0282	10

Relinquished by: (signature) <i>[Signature]</i>	Date / Time 10/6/22, 14:45	Received by: (signature) <i>[Signature]</i>	Date / Time 10/6/22 14:45	Total # of containers Chain of Custody seals <input checked="" type="checkbox"/> Y/N/NA Seals intact? <input checked="" type="checkbox"/> Y/N/NA Received good condition/cold <input checked="" type="checkbox"/>	Notes * TEST FOR PCE, TCF, BENZENE AND CHLOROFORM ONLY; ALSO INCLUDE I, IDEA
Relinquished by: (signature) <i>[Signature]</i>	Date / Time 10/06/22; 17:00	Received by: (signature) <i>[Signature]</i>	Date / Time		
Relinquished by: (signature) <i>[Signature]</i>	Date / Time 10-7-22 1005	Received by: (signature) <i>[Signature]</i>	Date / Time 10-7-22 1005		

Turn around time: NORMAL

\* TO-15 SIM analysis available upon prior notification. (Precertified Summa cans needed)

**COCAL 146718**



## SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T222816

Client Name: Brusca

Project: Pedrick Rd. Property

Delivered by:  Client  SunStar Courier  GLS  FedEx  Other

If Courier, Received by: \_\_\_\_\_ Date/Time Courier Received: \_\_\_\_\_

Lab Received by: Dave Date/Time Lab Received: 10.7.22 1005

Total number of coolers received: N/A Thermometer ID: SC-1 Calibration due : 8/2/23

Temperature: Cooler #1	°C +/- the CF (+ 0.1°C) =	°C corrected temperature
Temperature: Cooler #2	°C +/- the CF (+ 0.1°C) =	°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (+ 0.1°C) =	°C corrected temperature
<b>Temperature criteria = ≤ 6°C (no frozen containers)</b>		Within criteria? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<b>If NO:</b>		
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No → <b>Complete Non-Conformance Sheet</b>
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → <b>Complete Non-Conformance Sheet</b>

Custody seals intact on cooler/sample  Yes  No\*  N/A

Sample containers intact  Yes  No\*

Sample labels match Chain of Custody IDs  Yes  No\*

Total number of containers received match COC  Yes  No\*

Proper containers received for analyses requested on COC  Yes  No\*

Proper preservative indicated on COC/containers for analyses requested  Yes  No\*  N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times  Yes  No\*

\* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: DB 10.7.22

**Comments:**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

T222816

Project Name: PEDRICK ROAD PART 2 Elizabeth

Company: BRUSCA **DB**  
 Name: JOE BRUSCA

Item	Quantity	Unit
2 oz Jars 24/CS		
4 oz Jars 24/CS		
8 oz Jars 12/CS		
40 ml unpreserved VOAs 100/box		
40 ml HCL-preserved VOAs 72/box		
250 ml Poly 24/CS		
500 ml Poly 16/CS		
1 Liter Poly 12/CS		
500 ml Amber Bottle Wide 12/CS		
1 Liter Amber Bottle 12/CS		
1 Gallon Poly 4/box		
5035 kits:(2)Sodium Bisulfate VOAs 72/box		
(1) Methanol VOA 72/box		
(1) TERRACORE		
Lock-N-Load Handle 1/ea		
Tedlar Bags 10/pack		
Sub Slab Insert w/ washer & N/F		
Soil Gas SS 16" Drop Tubes		
Gas Extraction Fittings		
Soil Gas Filters		

	Volume of Summa	# Sent	Used	Unused	Unreturned
<b>Batch Certified Summa Canisters</b>	400cc				
	1L				
	3L				
	6L				
<b>Purge Pump</b>		1	CHARGE 1	0	0
<b>Nitrogen cans</b>	1L				
<b>Ind. Cerified Summa Cannisters</b>	1L	12	CHARGE 11	0	0
	3L				
	6L				

63/153 Manifolds, Var. Sampler, etc. Calibrated Correctly - Gauge Reads at 0 **DB**

**Manifolds:** Inst. Sampler, Variable Sampler, Shut In Set Ups, 150ml/mn, 63ml/mn 10 MANIFOLDS(150) CHARGE 9 0

**Swagelok Fittings:** Nuts/Ferrules, Ts 12 N/Fs CJHARGE 12

**Cooler (Sm, Med, Lrg) Number & Quantity**

**Other:** Poly Tube, Valves, Silicon Tape, etc.

**Prepared By:** DB **Date:** 10/3/22

**Reviewed By:** **Date:**

**Comments:**

**Cooler Policy:** Failure to return cooler(s) within 30 days of receipt or if the returned cooler(s) are in unusable condition, will result in a \$50 per cooler fee for replacement costs.

# Check In Report

T222816  
gigatrak.

Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
0496	1000 cc	10/13/2022	10/7/2022 04:26 PM		Joe Brusca	SunStar Labs South		
0621	1000 cc	10/13/2022	10/7/2022 04:26 PM		Joe Brusca	SunStar Labs South		
0148	1000 cc	10/13/2022	10/7/2022 04:26 PM		Joe Brusca	SunStar Labs South		
0313	1000 cc	10/13/2022	10/7/2022 04:26 PM		Joe Brusca	SunStar Labs South		
0253	1000 cc	10/13/2022	10/7/2022 04:26 PM		Joe Brusca	SunStar Labs South		
0719	1000 cc	10/13/2022	10/7/2022 04:26 PM		Joe Brusca	SunStar Labs South		
0693	1000 cc	10/13/2022	10/7/2022 04:26 PM		Joe Brusca	SunStar Labs South		
0849	1000 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		
8618	150 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		
8575	150 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		
8532	150 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		
8512	150 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		
8715	150 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		
8710	150 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		
8635	150 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		

# Check In Report

T222816  
gigatrak.

Barcode	Description	Due Date	In Date	Condition	From Emp/Loc	To Storage Location	Bin Qty	Status
8600	150 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		
8630	150 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		
8583	150 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		
9003	Orange Box	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		
0222	1000 cc	10/13/2022	10/7/2022 04:27 PM		Joe Brusca	SunStar Labs South		

**WORK ORDER**

**T222816**

**Client: Brusca Associates Inc.**  
**Project: Pedrick Road Property**

**Project Manager: Joann Marroquin**  
**Project Number: 347-001**

**Report To:**

Brusca Associates Inc.  
 Joe Brusca  
 PO Box 332  
 Roseville, CA 95661

Date Due: 10/18/22 00:00 (7 day TAT)

Received By: Dave Berner

Date Received: 10/07/22 10:05

Logged In By: Elizabeth Sprowell

Date Logged In: 10/07/22 17:30

Samples Received at:

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	No		

Analysis	Due	TAT	Expires	Comments
<b>T222816-01 SG-35 [Air] Sampled 10/06/22 10:43 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	10/18/22 00:00	7	11/05/22 10:43	PCE, TCE, BENZENE, 1,1DFA, AND CHLOROFORM
<b>T222816-02 SG-36 [Air] Sampled 10/06/22 10:44 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	10/18/22 00:00	7	11/05/22 10:44	PCE, TCE, BENZENE, 1,1DFA, AND CHLOROFORM
<b>T222816-03 SG-37 [Air] Sampled 10/06/22 10:57 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	10/18/22 00:00	7	11/05/22 10:57	PCE, TCE, BENZENE, 1,1DFA, AND CHLOROFORM
<b>T222816-04 SG-38 [Air] Sampled 10/06/22 10:58 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	10/18/22 00:00	7	11/05/22 10:58	PCE, TCE, BENZENE, 1,1DFA, AND CHLOROFORM
<b>T222816-05 SG-39 [Air] Sampled 10/06/22 11:16 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	10/18/22 00:00	7	11/05/22 11:16	PCE, TCE, BENZENE, 1,1DFA, AND CHLOROFORM
<b>T222816-06 SG-40 [Air] Sampled 10/06/22 11:17 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	10/18/22 00:00	7	11/05/22 11:17	PCE, TCE, BENZENE, 1,1DFA, AND CHLOROFORM
<b>T222816-07 SG-41 [Air] Sampled 10/06/22 11:30 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	10/18/22 00:00	7	11/05/22 11:30	PCE, TCE, BENZENE, 1,1DFA, AND CHLOROFORM

**WORK ORDER**

**T222816**

<b>Client:</b> Brusca Associates Inc.	<b>Project Manager:</b> Joann Marroquin
<b>Project:</b> Pedrick Road Property	<b>Project Number:</b> 347-001

Analysis	Due	TAT	Expires	Comments
<b>T222816-08 SG-42 [Air] Sampled 10/06/22 11:31 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	10/18/22 00:00	7	11/05/22 11:31	PCE, TCE, BENZENE, 1,1DFA, AND CHLOROFORM
<b>T222816-09 SG-43 [Air] Sampled 10/06/22 11:44 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	10/18/22 00:00	7	11/05/22 11:44	PCE, TCE, BENZENE, 1,1DFA, AND CHLOROFORM
<b>T222816-10 SG-44 [Air] Sampled 10/06/22 11:45 (GMT-08:00) Pacific Time (US &amp;</b>				
TO-15	10/18/22 00:00	7	11/05/22 11:45	PCE, TCE, BENZENE, 1,1DFA, AND CHLOROFORM