

*Carmel River Floodplain Restoration and
Environmental Enhancement Project*

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Technical Studies that are Bound Separately

**Volume VI:
Hazardous Materials Reports**

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United States Fish and
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Monterey County Resource
Management Agency

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Initial Site Assessment (Phase I)



ENVIRONMENTAL INVESTIGATION SERVICES, INC.

PHASE I

ENVIRONMENTAL SITE ASSESSMENT

CALTRANS EASEMENT
CARMEL, CALIFORNIA

EIS, Inc. PROJECT # 1567-1
November 18, 2015

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1.0 EXECUTIVE SUMMARY

Environmental Investigation Services Inc. (EIS) has completed an environmental site assessment that qualifies as an (initial site assessment for Caltrans) of the property of the Highway One Caltrans Easement, assessor parcel numbers (APN) of 243-071-003, 243-071-004, and 243-021-007, Carmel, California. Peter Littman, Environmental Professional and EIS Geologist, Tyler Sproule, prepared this report according to ASTM E 1527 2013 Standards.

This Executive Summary is provided solely for the purpose of overview. Any party who relies on this report must read the full report. The Executive Summary omits a number of details, any one of which could be crucial to the proper understanding and risk assessment of the subject matter.

In the professional opinion of EIS “we have performed a Phase I Environmental Site Assessment, in conformance with the scope and limitations of ASTM Practice E 1527 2013” for the property located at the Highway One Caltrans Easement, APN’s 243-071-003, 243-071-004, and 243-021-007, Carmel, California. Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report. An appropriate level of inquiry has been made into the previous ownership and uses of the property, consistent with good commercial and customary practice, in an effort to minimize liability. This assessment has revealed no evidence or indication of Recognized Environmental Concerns in connection with the subject property, except for the previous agricultural and associated pesticide use on the western and eastern sections of the subject property from the 1960s to 1990s and automobile traffic on Highway One since at least the 1930s.

EIS inspected the subject property on November 13, 2015. The subject property is located on Highway One, comprised of easements on three individual parcels covering a total of ten acres. The highway is paved asphalt dirt and gravel shoulders. The subject property area extends approximately 130 feet each way on the east and west sides of Highway One. The section of the property on the west side of Highway One is comprised of undeveloped fields vegetated with brush and grass. A state park water supply well was observed immediately outside of the western property boundary. The section of the property on the east side of Highway One includes a dirt road and a small section of a larger cattle grazing field. A small wooden retaining wall and metal water drainage pipe were observed on the short slope leading up to Highway One’s east side. The highway is elevated approximately six feet above the eastern and western sections of the property.

EIS screened the subject property for the potential presence of naturally occurring asbestos (NOA). A geologic map review, agency record research, and visual inspection during the site visit revealed no indication of NOA located on the subject property. Refer to Section 5.2.13 of this report for a summary of NOA research conducted for this project.

There was no evidence of current underground storage tanks (USTs) or aboveground storage tanks (ASTs) observed at the property. No evidence of USTs, such as vent pipes and fill ports were observed.

To determine historical use of property, EIS reviewed aerial photographs, topographic maps, regulatory records, and interviewed knowledgeable parties. The historical review revealed that the subject property has been developed with Highway One since approximately 1934, and was previously developed with a different road. The western portion of the subject property has been undeveloped since the 2000s, and was previously developed as agricultural fields from at least the 1960s through 1990s. The eastern portion of the property is currently a cattle grazing field, and was previously used as an agricultural fields since at least the 1960s through 1990s.

In summary, areas surrounding the subject property have historically been undeveloped, agricultural, commercial, and residential. Properties north of the subject site across Carmel River have been developed with a commercial shopping center since the 1960s and residences since the 1970s. The property west of the subject site has been undeveloped since the 2000s, and was previously agricultural from the 1960s through 1990s. The neighboring site to the east of the subject property is currently used as a cattle grazing field, and was previously agricultural from the 1960s through 1990s. Properties adjacent to the north and south of the subject site have been primarily undeveloped fields and forests since the 1960s, with several small residences and a barn adjacent to the southeast corner of the subject property near the Palo Corona Trail.

To evaluate off-site concerns, EIS reviewed an ERS environmental database search of nearby sites and all surrounding sites which included the subject property. ERS database search distances were in accordance to the ASTM E 1527 2013 standard. The results of the database search are found in a copy of the ERS Radius Map report in the Appendix. Based on the environmental database list review, there are three LUST sites and one SLIC site listed within a ½-mile radius of the subject property. There are no offsite concerns considered likely to impact subject property soil or groundwater resources.

SUBJECT PROPERTY

The subject property did not appear on any of the reviewed environmental databases.

Consistent with 40 CFR 312 and ASTM E 1527, no data gaps were identified.

2.0 INTRODUCTION

Environmental Investigation Services Inc. (EIS) has completed an environmental site assessment of a property located at the Highway One Caltrans Easement in Carmel, California. Peter Littman, Environmental Professional, and EIS Geologist, Tyler Sproule, prepared this report according to ASTM Standard E 1527-13.

2.1 PURPOSE

The purpose of this Phase I Environmental Site Assessment was to identify, to the extent feasible pursuant to the processes prescribed herein, recognized environmental conditions in connection with the subject property. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat

of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions.

2.2 DETAILED SCOPE OF SERVICES

This Phase I Environmental Assessment (ESA) was prepared in accordance with EIS' Proposal No. 1567-1 with respect to the property of the Highway One Caltrans Easement, Carmel, Monterey County, California. This was an investigation in general accordance with ASTM E 1527-2013. The work conducted by EIS is limited to the services agreed to by the Big Sur Land Trust, and no other services beyond those explicitly stated should be inferred or are implied. The objective of this Environmental Site Assessment was to evaluate the subject site for potential recognized environmental concerns as outlined in the standards referenced above. EIS' professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in the location of the subject site at the time of our investigation. This warranty is in lieu of all other warranties, expressed or implied.

2.3 LIMITATIONS

Our professional judgment regarding the potential for environmental impacts is based on limited data and our investigation was not intended to be a definitive investigation of contamination at the site. Unless specifically set forth in our proposal, the scope of work did not include groundwater, soil sampling or other subsurface investigations, a strict compliance audit of the site, or a review of the procedures for hazardous material use, waste storage or handling prior to disposal, or for personnel safety and health training and monitoring procedures, analyses of radon, formaldehyde, lead paint, asbestos and other hazardous materials or indoor air quality, occupational health and safety or wetlands surveys.

Regarding any subsurface investigation, sampling undertaken or subsurface reports reviewed, our opinions are limited to only specific areas and analytes evaluated and *EIS* will not be held accountable for analyte quantities falling below recognized standard detection limits for the laboratory method utilized. *EIS* does not warrant or guarantee the subject property suitable for any particular purpose, or certify the subject site as "clean" or free on contamination. As with any assessment, it is possible that past or existing contamination remains undiscovered.

The professional opinions set forth in this report are based solely upon and limited to *EIS*' visual observations of the site and the immediate site vicinity, and upon *EIS*' interpretations of the readily available historical information, interviews with personnel knowledgeable about the site, and other readily available information. Consequently, this report is complete and accurate only to the extent that cited reports, agency information and recollections of persons interviewed are complete and accurate.

The opinions and recommendations in this report apply to site conditions and features, as they existed at the time of *EIS*' investigation. They cannot necessarily apply to conditions and features of which *EIS* is unaware and has not had the opportunity to evaluate. Future regulatory modifications, agency interpretations, and/or policy changes may also affect the compliance status of the subject property. *EIS* has made no attempt to address future financial impacts to the site (e.g., reduced property values) as a result of potential subsurface contaminant migration.

2.4 SPECIAL TERMS AND CONDITIONS

No special terms and conditions were defined as part of this Phase I, except for adherence to the guidelines for Caltrans initial site assessment.

2.5 USER RELIANCE

This Phase I Environmental Assessment was prepared for the sole and exclusive use of the Big Sur Land Trust, and Caltrans the only intended beneficiaries of our work. This report is intended exclusively for the purpose outlined herein for the project site location and is intended to be used in its entirety. No excerpts may be taken to be representative of the findings of this assessment. The scope of services performed in execution of this investigation may not be appropriate to satisfy other users, and any use or reuse of this document or its findings, or conclusions presented herein is at the sole risk of the user. This report is not a specification for further work.

3.0 SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The Subject Property, the Highway One Caltrans Easement in Carmel, California is comprised of easements on three parcels with respective assessor parcel numbers (APNs) of 243-071-003, 243-071-004, and 243-021-007. The subject property is located on an easement of Highway One.

3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The subject property consists of easements on three parcels located at the Highway One Caltrans Easement, Carmel, California. The property is developed with California Highway One. The footprint of the subject property covers approximately ten acres.

3.3 CURRENT USE OF PROPERTY

The subject property is currently developed with a state highway.

3.3.1 HAZARDOUS MATERIALS MANUFACTURE/USE

No evidence of hazardous material or petrochemical use or storage was observed at the subject property during the site inspection.

3.3.2 HAZARDOUS WASTE

No evidence of hazardous waste was observed during the site inspection.

3.4 DESCRIPTIONS OF STRUCTURES AND IMPROVEMENTS

3.4.1 BUILDING STRUCTURES

There are no structures on the subject property.

3.4.2 INDUSTRIAL EQUIPMENT

There is no industrial equipment observed at the subject property.

3.4.3 PARKING

There is space for parking along the north bound and south bound shoulders of Highway One

3.4.4 ROADWAYS

The subject property encompasses a section of California Highway One.

3.4.5 FENCING

There is no fencing observed at the subject property.

3.4.6 EASEMENTS

There are no known easements associated with the subject property except for Caltrans right of way.

3.4.7 WELLS

There are no wells located on the subject property. A state park water supply well is located on adjacent property just to the west of the subject property boundary.

3.4.8 SUMPS

There are no sumps observed at the subject property.

3.4.9 DITCHES

There are no ditches observed at the subject property.

3.4.10 CATCH BASINS

There are no catch basins on the subject property.

3.4.11 SEWAGE SYSTEM

The property is not connected to city sewage system.

3.4.12 POTABLE WATER SYSTEM

Potable water is not provided to the subject property.

3.4.13 WASTE WATER SYSTEM

The subject property does not generate waste water.

3.4.14 SOLID WASTE

The subject property does not generate any solid waste.

3.5 CURRENT USES OF ADJOINING PROPERTIES

Properties to the south and west of the subject site are primarily undeveloped fields and forests. Areas adjacent to the east of the subject property are currently used as cattle grazing fields. Several small residences and a barn are located adjacent to the south of the subject property. Areas to the north of the subject property are Carmel River and forest area.

4.0 USER PROVIDED INFORMATION

4.1 TITLE RECORDS

EIS did not have access to any readily available preliminary title records regarding the subject property.

4.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

According to the property owner, there are no known environmental liens or use limitations affecting the property.

4.3 SPECIALIZED KNOWLEDGE

No specialized knowledge regarding the subject property was provided by the user.

4.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

California Highway One runs through the center of the subject property.

4.5 VALUATION REDUCTIONS FOR ENVIRONMENTAL ISSUES

The owner stated no valuation reduction for environmental issues.

4.6 PREVIOUS REPORTS

There are no available previous reports regarding the subject property.

4.7 OWNER PROVIDED INFORMATION

California Highway One runs through the center of the subject property.

4.8 REASON FOR PERFORMING PHASE I

The Phase I is being performed as part of a property transaction.

5.0 RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

A database search was conducted of a nearby site and all surrounding sites, which included the subject property by ERS Environmental Record Search (ERS). ERS database search distances were in accordance to the ASTM E 1527 standard.

The National Priorities List Liens (NPL-Liens), Emergency Response Notification System (ERNS), US Institutional Controls and US Engineering Controls Registries lists were searched for the Subject Property. The RCRA Generator, Underground Storage Tank (UST), and Facility and Manifest Data (HAZNET) lists were searched for the Subject Property and adjacent sites. The Tribal Underground Storage Tank (Tribal UST) list was searched within a ¼ mile radius of the Subject Property.

The following lists were searched for a ½ mile radius of the Subject Property: Tribal Leaking Underground Storage Tank (Tribal LUST), Leaking Underground Storage Tank (LUST), Spills, Leaks, Investigations, and Cleanup (SLIC), Solid Waste Information System-Solid Waste Landfill, Incinerator or Transfer Station (SWF/LF or SWIS), BROWNFIELDS, Comprehensive, Environmental Response, Compensation and Liability Information System (CERCLIS), Compensation and Liability Information System- No Further Remedial Action Planned (CERLIS- NFRAP), RCRA Transporters, Storage and Disposal (RCRA TSD) and De- Listed National Priorities List (De- Listed NPL). The following lists were searched within a 1 mile radius of the Subject Property: National Priorities List (NPL), Corrective Action Report (RCRA CORRACTS), CAL SITES, Department of Toxic Substances Control’s Site Mitigation and Brownfields Reuse Program (ENVIROSTOR), Department of Defense Site (DOD) and Records of Decision (ROD) sites.

Agency List	Search Radius	Number of Sites
ERNS	Site	0
NPL-Liens	Site	0
US Institutional Controls	Site	0
US Engineering Controls	Site	0
RCRA Generator	Site & Adjacent	0
UST	Site & Adjacent	0
Historical UST	Site & Adjacent	0
HAZNET	Site & Adjacent	0
Tribal UST	¼ mile	0
Tribal LUST	½ mile	0
LUST	½ mile	2

SLIC	½ mile	1
SWF/LF (SWIS)	½ mile	0
SWRCY	½ mile	0
BROWNFIELDS	½ mile	0
CERCLIS	½ mile	0
CERCLIS – NFRAP	½ mile	0
RCRA non-CORRACTS TSD	½ mile	0
De-listed NPL	½ mile	0
NPL	1 mile	0
State Equivalent NPL	1 mile	0
Tribal Equivalent NPL	1 mile	0
RCRA CORRACTS	1 mile	0
CAL SITES Hist	1 mile	0
ENVIROSTOR	1 mile	0
DOD	1 mile	0
ROD	1 mile	0

Based on the environmental database list review, there are three LUST sites and one SLIC site listed within a ½-mile radius of the subject property.

LUST: There are three LUST sites located within a ½-mile radius of the subject property, both of which have been granted regulatory closure status.

The nearest LUST site is listed at 3645 Rio Road, located approximately 0.36 miles to the northeast of the subject property. One 5,000-gallon fuel UST and two 10,000-gallon USTs were excavated and removed from the property in 1984. One 1,000-gallon waste oil UST was excavated and removed from the property in 1998, along with 500 cubic yards of soil. Sampling conducted prior to the 1998 over-excavation revealed gasoline-range total petroleum hydrocarbons (TPH-g), diesel-range total petroleum hydrocarbons (TPH-d), methyl tert-butyl ether (MTBE), and benzene, toluene, ethylbenzene, and xylenes (BTEX) impacts in site soil. Soil samples collected after the excavation revealed markedly lower constituent concentrations; all previously mentioned contaminants were detected at concentrations below Regional Water Quality Control Board Environmental Screening Levels (RWQCB ESLs) for residential use, with the exception of MTBE, which was detected at 0.069 mg/kg (associated residential ESL of 0.023 mg/kg). Several monitoring wells were installed on-site, and a groundwater monitoring program was initiated in 1999. TPH-g, TPH-d, BTEX, oil/grease, MTBE, and 1,2-dichloroethane were identified in property groundwater. The site at 3645 Rio Road was granted low threat closure by the Central Coast RWQCB. Because of the distance from the subject property, direction of local groundwater flow, and historical remedial action, the LUST site at 3645 Rio Road is considered unlikely to impact subject property soil or groundwater resources, and is not likely to represent a significant environmental concern.

The next closest LUST site is listed at 7 Carmel Center Place, located approximately 0.38-miles northeast of the subject property. The case was opened at the site in 1987 during a fuel

UST excavation while occupied by a former Arco Service Station. Characterization and remediation were performed at the station, which subsequently led to the regulatory closure of the site in 1999. Based on the distance from the subject property, historical remedial action, and the presence of the Carmel River between the subject property and the LUST site, the closed LUST case at 7 Carmel Center Place is considered unlikely to impact subject property soil or groundwater resources, and is not considered a significant environmental concern.

The other LUST site is considered unlikely to impact the subject property based on the distance from the site, direction of local groundwater flow, and regulatory closure status, and is not likely to represent a significant environmental concern.

SLIC: There is one closed SLIC site is located within a ½-mile radius of the subject property. The SLIC site is listed at the Crossroads Shopping Center, located approximately 575 feet to the northeast of the subject property. The ERS database report and State Geotracker profile both included the following summary:

“No information is available on this site except for a reported soil sample that contained a small amount of solvent, well below cleanup goals. No records are available from Water Board or Monterey County Environmental Health. Monterey Health did not open a case on this site. The Water Board administratively closed this case as of 12/31/2005.”

Based on the distance from the subject property, regulatory closure status, and direction of local groundwater flow, the SLIC site at Crossroads Shopping Center is considered unlikely to impact the subject property, and is not likely to represent a significant environmental concern.

SUBJECT PROPERTY

The subject property was not listed on any of the reviewed environmental databases.

5.2 PHYSICAL SETTINGS SOURCE(S)

5.2.1 TOPOGRAPHY

According to the Monterey quadrangle, the site is located on Highway One in Carmel, California. The elevation is approximately 30 feet above mean sea level. The relatively flat topographic gradient is from the east to west, towards, the Pacific Ocean.

5.2.2 SOILS

According to subsurface investigation reports completed at nearby properties, the property soils are likely composed of silty sand and gravelly sand with interbedded layers of clay and silt throughout.

5.2.3 VEGETATION

There are trees and shrubs along the sides of Highway One.

5.2.4 GEOLOGY

According to the Geologic Map of the Monterey County, California, Cenozoic era Quaternary aged alluvial deposits underlie the site.

5.2.5 HYDROLOGY

Based on regional topography and groundwater monitoring data from a nearby site, the local vicinity groundwater flow is to the west. The site does not fall under the requirements of the National Pollutant Discharge Elimination System (NPDES). Depth to groundwater in area of subject property is estimated to be 15-20 feet below ground surface, based on nearby groundwater monitoring results.

5.2.6 AIR

The subject property has not been recorded as a source of air pollution by any regulatory agency.

5.2.7 SOIL AND GROUNDWATER

There are no documented historical groundwater or soil investigations completed at the subject property.

5.2.8 FLOOD ZONE

According to ERS FEMA map information, the subject property is located within the 30-year floodplain.

5.2.9 SEISMIC

According to the geologic map of Monterey County, no active faults are mapped on the site. Fault rupture is therefore not anticipated. Strong ground shaking can be expected at the site during moderate to severe earthquakes in the general region.

5.2.10 RADON

Radon gas is a by-product of uranium. The gas forms as uranium molecules eject some protons and neutrons from their nuclei changing first into thorium, then radium, and finally radon. Radon tends to accumulate in uranium-rich metamorphic rocks, glacial moraines and till deposits derived from uranium-bearing rocks, marine organic shales, soils derived from carbonate rocks, and uranium-containing alluvial sediments deposited by rivers, deltas, lakes, etc. Outgassing of radon has not been identified as a problem in this region of Monterey County. According to radon survey results provided by the State of California Report, the subject property is located within Region 2 with average radon gas at 2-pico curies per liter of air (pCi/l). The level above which the U.S. Environmental Protection Agency recommends that action be taken to reduce radon levels is 4 pCi/l.

5.2.11 SENSITIVE ECOLOGICAL AREAS

The subject property is located approximately 160 feet to the south of the Carmel River, and approximately 3,500 feet to the east of the Pacific Ocean.

5.2.12 MASS WASTING

No physical evidence of mass wasting, such as landslides, was observed at the subject property.

5.2.13 NATURALL OCCURRING ASBESTOS

Naturally occurring asbestos (NOA) has been observed in various regions throughout the state of California. The presence of NOA is most commonly observed in ultramafic rock formations, most notably in outcrops of serpentinite rock. NOA is usually observed in ultramafic rock formations as a white fibrous minerals. EIS conducted research to assess for the potential presence of NOA in the area of the subject property. USGS Open-File Report 2011-1188 titled, “Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California,” presents a useful summary of identified NOA sites in California as of 2011. Report 2011-1188 includes a county sub-divided map of California which depicts identified ultramafic rock outcrops, asbestos mines, and NOA locations. In addition, Report 2011-1188 includes a table of identified asbestos sites and associated latitude/longitude coordinates. Figure 3 of this report displays all documented NOA sites in Monterey County; there are no identified NOA areas located within a 50-mile radius of the subject property. During the site visit, EIS observed no sections of outcropping rock in the area of the subject property; therefore, rock sample collection was not necessitated. Based on the site inspection, research findings, and local geology, there is no indication of the presence of NOA at the subject property.

5.3 HISTORICAL USE INFORMATION ON THE PROPERTY

The historic use of the property was determined by the review of aerial photographs, historical maps, and local agency records. According to Monterey County records Highway One was constructed in 1934.

AERIAL PHOTOGRAPHS

Aerial photographs provided by ERS for the years of 1968, 1977, 1982, 1998, 2010, 2012, and 2015 were reviewed to establish prior land use at the site. Photograph dates and corresponding property descriptions are presented in the table below:

Date	Aerial Photograph Property Description
2015	The central subject property is occupied by Highway One, the western property is undeveloped, and the eastern property appears as a cattle grazing field, as it exists in present day.
2012	There appear to be no significant changes from the 2015 photograph.
2010	There appear to be no significant changes from the 2012 photograph.
1998	The western and eastern sections of the property appear as agricultural fields.
1982	There appear to be no significant changes from the 1998 photograph.
1977	There appear to be no significant changes from the 1982 photograph.
1968	There appear to be no significant changes from the 1977 photograph.

SANBORN FIRE INSURANCE MAPS

No Sanborn Fire Insurance Maps were available covering the area of the subject property.

HISTORICAL SUMMARY

In Summary, the historical review revealed that the subject property has been developed with Highway One since approximately 1934, and was previously developed with a different road. The western portion of the subject property has been undeveloped since the 2000s, and was previously developed as agricultural fields from at least the 1960s through 1990s. The eastern portion of the property is currently a cattle grazing field, and was previously used as an agricultural fields since at least the 1960s through 1990s.

5.4 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

Surrounding property usages were reviewed using aerial photographs and regulatory records.

AERIAL PHOTOGRAPHS

Aerial photographs provided by ERS for the years of 1968, 1977, 1982, 1998, 2010, 2012, and 2015 were reviewed. Photograph dates and corresponding surrounding property descriptions are presented in the table below:

Date	Aerial Photograph Adjacent Property Description
2015	Properties to the west, south, and east of the site appear as undeveloped fields or forests, and properties to the north appeared as forests and the Carmel River as they exist in present day. Five small residences and a barn are located adjacent to the southwest of the subject property.
2012	There appear to be no significant changes from the 2015 photograph.
2010	There appear to be no significant changes from the 2012 photograph.
1998	There appear to be no significant changes from the 2010 photograph, except that the area west of the subject property is developed with agricultural fields.
1982	There appear to be no significant changes from the 1998 photograph.
1977	There appear to be no significant changes from the 1982 photograph.
1968	There are no residences to the north of the site across Carmel River.

SANBORN FIRE INSURANCE MAPS

There were no available Sanborn Fire Insurance Maps covering the areas surrounding the subject property.

MONTEREY COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH (MCEHD)

A review of Monterey County Environmental Health files revealed a nearby site (approximately 2,000 feet) to the southeast on Palo Corona Road that was a voluntary cleanup site. This nearby site is located southeast of the site on Palo Corona Road near a large barn. The wooden barn has been used for farm equipment repair and storage of fuels, lubricants, parts cleaning solvents, herbicides, and insecticides. A corral area was located northeast of the barn. This corral had a cattle chute where cows were sprayed with insecticides. This chute was used for insecticide application for at least the last 25 years between 1960's to 1980's. In March 2002, EIS completed a limited subsurface investigation to determine if soil resources had been impacted by the historical uses of the property. The investigation consisted of collecting 26 soil samples from 13 borings located in the corral area, the old refuse disposal area, and the barn area. Results of the laboratory analyses revealed: elevated concentrations

of toxaphene were detected in shallow soil samples from three borings completed in the cattle chute. Toxaphene concentrations in two soil samples exceeded the EPA Preliminary Remediation Goals (PRGs). Based on the results of the Phase II investigation additional soil sampling was performed in the cattle chute. In August, September and October additional soil borings were completed in the cattle chute area. Based on the data generated during the March, August, September, and October 2002 site investigations, EIS delineated PCB and toxaphene impacts within one area measuring about 50 feet wide by 55 feet long by 3 feet deep, and two toxaphene impacted areas, one measuring 15 ft by 48 ft by 2 ft deep and one measuring 18 ft by 48 ft by 2 ft deep. EIS recommended excavation and off-site disposal of this toxaphene-impacted soil. MCEHD requested a groundwater boring to confirm that groundwater had not been impacted. The results of groundwater sampling revealed no pesticide or PCB impacts to groundwater, as the toxaphene contamination appeared to be limited to the shallow soils, down to a depth of 4 feet bgs.

Between November 11th and 15th, 2002 approximately 660 tons of toxaphene and/or PCB contaminated soil were excavated from the Cattle Chute Area. Excavated soil was transported under non-RCRA hazardous waste manifest to the Chem Waste Kettleman facility. Copies of waste manifests are included in Attachment B of this report.

Seventeen of twenty-two excavation bottom and sidewall soil samples collected on November 11th and 12th, 2002 contained no detectable toxaphene or other pesticides. Three soil samples analyzed for PCBs contained no detectable PCBs. Two soil samples collected on November 12th, 2002 contained toxaphene concentrations that are below the EPA PRGs for toxaphene. Three soil samples contained toxaphene concentrations exceeding EPA PRGs and on November 15th, 2002 additional soil was excavated from these areas. Excavation soil samples collected on November 15th, 2002 contained no detectable toxaphene or other pesticides. Based on the data described in this report, all documented toxaphene and/or PCB contaminated soil from the Cattle Chute Area appears to have been removed. The Cattle Chute Area excavations were backfilled with compacted native soil obtained from another part of the Palo Corona Ranch property. This Palo Corona Ranch nearby property voluntary cleanup project received regulatory closure from the Monterey County Environmental Health Department in 2003. As contamination was limited to shallow soils, and all of contaminated soil was removed this adjacent site is unlikely to impact subject property soil and or groundwater resources.

In summary, areas surrounding the subject property have historically been undeveloped, agricultural, commercial, and residential. Properties north of the subject site have been forests and the Carmel River since the 1960s until present. The property west of the subject site has been undeveloped since the 2000s, and was previously agricultural from the 1960s through 1990s. The neighboring site to the east of the subject property is currently used as a cattle grazing field, and was previously agricultural from the 1960s through 1990s. Properties adjacent to the north and south of the subject site have been primarily undeveloped fields and forests since the 1960s, with several small residences and a barn adjacent to the southeast corner of the subject property near the Palo Corona Trail.

6.0 SITE RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

EIS had access to the entire property.

6.2 GENERAL SITE SETTING

The subject property is located in Carmel, along Highway One.

6.3 EXTERIOR OBSERVATIONS

The subject property consists of easements on three parcels adjacent to Highway One in Carmel, California. The subject property comprises a total of approximately ten acres. The highway is paved asphalt dirt and gravel shoulders. The subject property area extends approximately 130 feet each way on the east and west sides of Highway One. The section of the property on the west side of Highway One is comprised of undeveloped fields vegetated with brush and grass. A state park water supply well was observed immediately outside of the western property boundary. The section of the property on the east side of Highway One includes a dirt road and a small section of a larger cattle grazing field. A small wooden retaining wall and metal water drainage pipe were observed on the short slope leading up to Highway One's east side. The highway is elevated approximately six feet above the eastern and western sections of the property.

6.4 INTERIOR OBSERVATIONS

There are no structures currently developed on the subject property.

6.5 UNDERGROUND STORAGE TANKS

There were no physical signs of evidence of underground storage tanks on the property. There were no indications of previous USTs associated with the property in the reviewed environmental databases and regulatory records.

6.6 ABOVE GROUND STORAGE TANKS

There were no physical signs or evidence of aboveground storage tanks on the property.

6.7 STORAGE

There is no storage of hazardous waste or materials on the subject property.

6.8 DISPOSAL

There is no record or signs of onsite disposal of hazardous waste at this site.

7.0 INTERVIEWS

7.1 INTERVIEW WITH PROPERTY REPRESENTATIVE

EIS interviewed Ms. Joanna Devers of the Big Sur Land Trust during the subject property site inspection. Ms. Devers stated that the subject property project area extends approximately 130 feet in each direction on the west and east sections of Highway One.

8.0 FINDINGS

The historical review revealed that the subject property has been developed with Highway One since 1934. The western section of the subject property is currently an undeveloped field, while the eastern portion is currently developed with a cattle grazing field. The western and eastern sections of the property were previously used as agricultural fields from the 1960s through 1990s. The previous agricultural development with associated pesticide use on the eastern and western section of the property from the 1960s to 1990s represents a historical recognized environmental concern and a medium risk to project cost. The historical automobile use on Highway One with associated potential for lead impacts in soil represents a historical recognized environmental concern. There are no structures currently in place on the subject property.

According to the environmental database list review, there are three LUST sites and one SLIC site within a ½-mile radius of the subject property. All three of the sites have achieved regulatory closure status. There are no offsite concerns considered likely to impact subject property soil or groundwater resources.

9.0 OPINION

In our professional opinion, EIS concludes that there are no existing recognized environmental conditions in connection with the subject property, except the possible lead from historic automobile traffic and previous agricultural use of the western and eastern portions of the subject property with associated pesticide use from the 1960s to 1990s represents a historical recognized environmental concern and medium risk to project cost. It would be prudent to initiate a PSI at the subject property, and collect shallow soil samples from the subject property for analysis of lead and pesticides.

10.0 CONCLUSION

In the professional opinion of EIS “we have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 2013, this assessment has revealed no evidence of a Recognized Environmental Condition in connection with the property, except for a historical recognized environmental concern and medium risk to project cost based on the agricultural use of the subject property from at least the 1960s to 1990s and automobile traffic since at least the 1930s.”

11.0 DEVIATIONS

No deviations were made from ASTM E 1527-2013.

12.0 ADDITIONAL SERVICES

No additional services were added to Phase I ASTM 1527-2013 standard scope of work.

13.0 DATA GAPS

No data gaps were identified.

14.0 REFERENCES

14.1 ENVIRONMENTAL STUDIES

Aerial Photographs: 1968, 1977, 1982, 1998, 2010, 2012, and 2015.
ERS Aerial Photo Package, November 3, 2015

ERS Database Report: ERS Recheck Map, October 30, 2015. "Hwy 1 Caltrans Easement Area, Carmel, CA."

14.2 ASSESSOR DEPARTMENT

Monterey County Assessor's Office, Salinas, California

14.3 ENVIRONMENTAL HEALTH

Monterey County Environmental Health Department, Monterey, California.

14.4 WATER QUALITY

State Water Resources Control Board's "Geotracker" Website:
<http://geotracker.swrcb.ca.gov>. Accessed on November 10, 2015.

14.5 NATURULLY OCCURRING ASBESTOS RESOURCES

"Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California," Bradley S. Van Gosen, U.S. Geological Survey, Denver Colorado and John P. Clinkenbeard, California Geological Survey, Sacramento California, 2011.

14.6 CALIFORNIA DEPARTMENT OF TRANSPORTATION RESOURCES

"Caltrans SER EH Vol 1, Chapter 10 Hazardous Material, Hazardous Waste, Contamination." 10/28/2015.

15.0 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

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



SR. Project Manager,

PREPARED BY:

Environmental Investigation Services, Inc.
15951 Los Gatos Blvd, Suite 17
Los Gatos, California 95032

16.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL(S)

Mr. Peter Littman, Project Manager has 20 years of experience managing environmental due diligence investigations as a Cal/EPA Registered Environmental Assessor (#03829) for property transactions including a large variety of commercial, industrial, and agricultural properties.

Mr. Littman excels at assessing property to determine whether further investigations are necessary to ensure compliance with laws or to complete due diligence and estimating the investigation and cleanup costs. He has successfully coordinated and completed numerous complex due diligence investigations within tight budget and time constraints.

Prior to forming EIS in 1996, Mr. Littman provided environmental consulting services for four years. As a Cal/EPA Registered Environmental Assessor, Mr. Littman has performed over 800 Phase 1 Environmental Assessments. As a project manager, he has completed over 120 soil and groundwater investigations, 60 tank removals, 25 soil remediation projects, 80 asbestos inspections, 50 lead paint inspections, and 30 Hazardous Material Management Plans. Mr. Littman has assisted clients in qualifying for the state tank fund and under guidance of professional staff has helped design site characterization and site remediation at tank fund sites.

As a project manager with C.E.T., Inc. he managed tank removal operations, soil and groundwater investigations, and Phase I assessments. He has also held a position as Corporate Health and Safety Officer for EVAX Technologies Inc., an Environmental Engineering/Contracting firm where he performed Phase I's and site safety plans for Hazardous Waste clean-up operations, and conducted Federal OSHA 40 Hour Training Sessions. As a Health & Safety Officer he worked with a team designing underground tank removals, building decontamination of solvents, excavations, soil and groundwater sampling, and installation of remedial equipment.

Credentials

- Cal/EPA Registered Environmental Assessor REA #03829
- Federal OSHA Hazardous Waste Operation & Emergency Response 40 Hr and 8 Hr Supervisor

17.0 APPENDICES

17.1 FIGURES

17.2 SITE PHOTOGRAPHS 1-15

17.3 AERIAL PHOTOGRAPHS

17.4 ERS DATABASE REPORT



ENVIRONMENTAL INVESTIGATION SERVICES, INC.

15951 Los Gatos Ave, Suite 17, Los Gatos, CA 95032
 (408) 402-9800 Fax: (408) 402-9830

EIS Project # 1567-1

November 17, 2015

Figure 1

Site Location
 Highway One
 Caltrans Easement
 Carmel, California



Carmel River

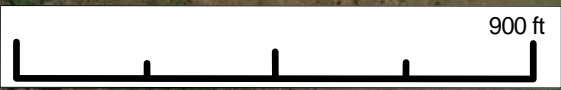
APN 243-071-003

APN 243-021-007

Highway 1

APN 243-071-004

Subject Property



Aerial imagery: 04/13/2015

ENVIRONMENTAL INVESTIGATION SERVICES, INC.
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EIS Project # 1567-1

November 17, 2015

Figure 2

Site Map
Highway One
Caltrans Easement
Carmel, California

LEGEND

- NOA = Naturally Occuring Asbestos
- Yellow Triangle = Subject Property Location
- Red Triangle = NOA Site Locations



Subject Property

NOA Sites

NOA Sites

Aerial imagery: 04/13/2015

Data LDEO-Columbia, NSF, NOAA
Data MBARI
Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

45 miles

ENVIRONMENTAL INVESTIGATION SERVICES, INC.
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EIS Project # 1567-1
November 17, 2015

Figure 3 Highway One Caltrans Easement Identified NOA Sites Monterey County, California



1. View of central part of Subject Property Highway One area, looking north.



2. View of central part of Subject Property Highway One area, looking south.



3. View of undeveloped fields, western property.



4. View of State Parks water supply well, located just outside the western subject property boundary.



5. View of trail along western part of subject property.



6. View of southeastern part of subject property.



7. View of northeastern part of subject property.



8. View of drain pipe that runs beneath the east part of the property.



9. View of small support wall on the east side of Highway One, east part of property.



10. View of neighboring residences and Palo Corona Park access, adjacent southeast of the property.



11. View of neighboring residences, adjacent southwest of the property.



12. View of neighboring cattle grazing fields, adjacent east of the property



13. View of Highway One bridge and river access path, adjacent to the north of the subject property.



14. View of neighboring undeveloped fields, adjacent west of the subject property.



15. View of the Carmel River area, adjacent to the north of the site.

Aerial Photograph Research

REPORT RESULTS

Report Results for:

Peter Littman
Environmental Investigation Svcs., Inc
15951 Los Gatos, Suite #17
Los Gatos, CA 95032
2104659541 AO
November 3, 2015

Subject Site:

Client's Project #: **1567-1**
Address: **Hwy 1 CalTrans Easement**
City, State Zip: **Carmel, CA**

ERS Order #:

2104659541 AO

Prepared For:

Name: Peter Littman
Company: Environmental Investigation Svcs., Inc
Address: 15951 Los Gatos, Suite #17
City, State Zip: Los Gatos, CA 95032

Date:

November 3, 2015

Enclosed are the results of our.....

[Aerial Photograph Research.](#)

Thank you for selecting ***Environmental Record Search!***

To aid you in locating your site on the imagery provided, we have placed a box over/surrounding your site.

Note: *This box is not representative of your site boundaries. It is simply a tool to assist you with the location of your site within the image. The box has been placed in the same location on each image to help you locate your site easily from year to year. If you have any problems locating your site, please call us. We are here to help.*

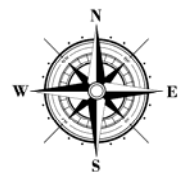
All terms, conditions, and limitations normally associated with work contracted by **ERS** and presented or associated with aerial photography are in effect at all times. This letter summary, all its information, and content have been derived from and rely upon the reviewed aerial photographs. **ERS's** research has only been based on these images; **ERS** did not perform any type of independent investigation of any type, including as to the accuracy and/or completeness of the information derived or otherwise obtained from the secondary source or sources.



Historical Aerial Photo

Site:
**Hwy 1 CalTrans Easement
Carmel, CA**

2015

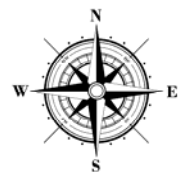




Historical Aerial Photo

Site:
Hwy 1 CalTrans Easement
Carmel, CA

2012

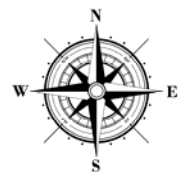




Historical Aerial Photo

Site:
**Hwy 1 CalTrans Easement
Carmel, CA**

2010

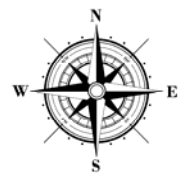




Historical Aerial Photo

Site:
**Hwy 1 CalTrans Easement
Carmel, CA**

1998

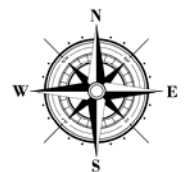


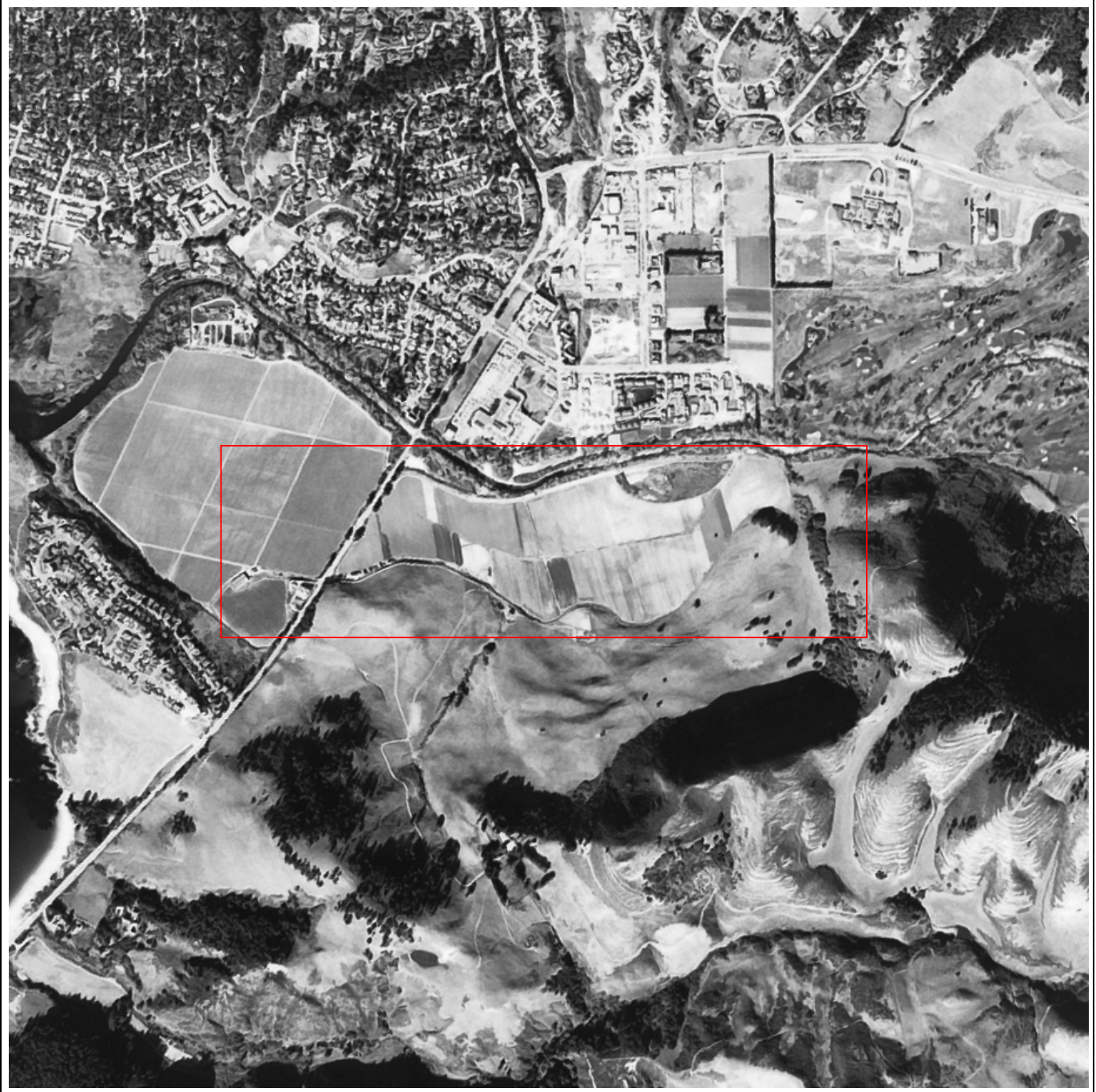


Historical Aerial Photo

Site:
Hwy 1 CalTrans Easement
Carmel, CA

1982

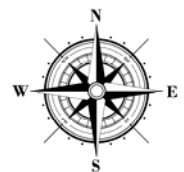




Historical Aerial Photo

Site:
**Hwy 1 CalTrans Easement
Carmel, CA**

1977

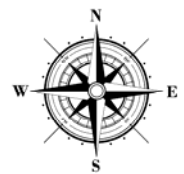




Historical Aerial Photo

Site:
**Hwy 1 CalTrans Easement
Carmel, CA**

1968



RecCheck

Area

Report Results

The Standard for ASTM/AAI Radius Searches

(One Mile Environmental Records Search, Exceeds ASTM 1527/1528 and EPA All Appropriate Inquiry)

REPORT RESULTS



Site Location:

Hwy 1 Caltrans Easement Area

Carmel, CA

(N 36-32-1, W 121-54-29) NAD83

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EXECUTIVE SUMMARY

INFORMATION ON THE REQUESTED LOCATION

Site Address:	Hwy 1 Caltrans Easement Area Carmel, CA
Client Project Name/Number:	Hwy 1 CalTrans Easement Area Carmel, CA 1567-1
Coordinates:	N 36-32-1, W 121-54-29 (NAD 83) 36.5336322144838, -121.908029076637
Date of Report	October 30, 2015
ERS Project Number:	2104659540
Subject Site Listed on the following lists:	Not Listed
Subject Site Listed as Map ID#:	N/A
USGS 7.5 Minute Quad Map:	Monterey
Township, Section and Range:	Township: 16S Range: 01W Section: 13 Baseline: Mt. Diablo
Site Elevation: (feet above or below (-) mean sea level)	Approximately 30 ft near the center of the area.
Flood Zone: (FEMA Q3 Digital Data)	Panel: 06053C0320G, Effective Date: 4/2/2009 Zone AE - Zone AE: The base floodplain where base flood elevations are provided. AE Zones are now used on new format FIRMs instead of A1-A30 Zones.
Fire Insurance Map Coverage:	No
Radon Information:	EPA Radon Zone: 2 (Predicted avg for county: 2 to 4 pCi/L)
Search Radius Expansion Size: (In Miles)	0
Soil Type: (USDA Soil Survey Geographic Database) (SSURGO)	Pico fine sandy loam Map Unit Type: Consociation Hydric: No Drainage Class: Well drained General Information: Coarse-loamy, mixed, thermic Fluventic Haploxerolls
Zip Codes Searched for "Un-Mappable" Sites:	Not Researched

Occurrence Count:	16
-------------------	----

SUMMARY OF OCCURRENCES

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
1 Maps: 1 , 3	FA0824952-MRY SAFEWAY STORE #2669	5 CROSSROADS BLVD CARMEL	CUPA-CA	Listed	0.12 N	N/A
1 Maps: 1 , 3	CAR000227736 SAFEWAY STORE NO 2669	5 CROSSROADS BLVD CARMEL	RCRA-LQG-US	Listed	0.12 N	N/A
2 Maps: 1 , 3	CAR000237495 CVS PHARMACY NO 9612	6 THE CROSSROADS CARMEL	RCRA-LQG-US	Listed	0.17 N	N/A
3 Maps: 1 , 3	MNTE APCD-MBU- 973 NAFT PETROLEUM, INC.	7 CARMEL PLACE CENTER CARMEL	Air-CA	Listed	0.21 N	N/A
3 Maps: 1 , 3	FA0825776-MRY CARMEL CENTER SHELL	7 CARMEL CENTER PL CARMEL	CUPA-CA	Listed	0.21 N	N/A
3 Maps: 1 , 3	FA0812419-MRY CARMEL SHELL**CLOSED**	7 CARMEL CENTER PL CARMEL	CUPA-CA	Listed	0.21 N	N/A
3 Maps: 1 , 3	FA0825498-MRY RIO ROAD ARCO #2161	7 CARMEL CENTER PL CARMEL	CUPA-CA	Listed	0.21 N	N/A
3 Maps: 1 , 3	260520 RIO ROAD ARCO	7 CARMEL CENTER PL CARMEL	Hist-UST-CA	Listed	0.21 N	N/A
3 Maps: 1 , 3	260521 RIO ROAD ARCO	7 CARMEL CENTER PL CARMEL	Hist-UST-CA	Listed	0.21 N	N/A
3 Maps: 1 , 3	T0605300295 ARCOSERVICE STATION #2161	7 CARMEL CENTER PL CARMEL	LUST-Closed-CA	Completed - Case Closed	0.21 N	N/A
3 Maps: 1 , 3	546956 CARMEL SHELL	7 CARMEL CENTER PLACE CARMEL	UST-CA	Listed	0.21 N	N/A
3 Maps: 1 , 3	11067 ARCO #2161	7 CARMEL CENTER PL CARMEL	UST-Priority-CA	Listed	0.21 N	N/A
4 Maps: 1 , 3	SL0605371998 SAFEWAY	CROSSROADS SHOPPING CENTER CARMEL	ENF-CA	Listed	0.21 N	N/A

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
<u>4</u> Maps: <u>1, 3</u>	SL0605371998 SAFEWAY	CROSSROADS SHOPPING CENTER CARMEL	SLIC-Closed-CA	Completed - Case Closed	0.21 N	N/A
<u>5</u> Maps: <u>1, 3</u>	FA0812644-MRY CROSSROADS CLEANERS**CLOS ED**	123 CROSSROADS BLVD CARMEL	CUPA-CA	Listed	0.25 N	N/A
<u>6</u> Maps: <u>1, 3</u>	15842 CHEVRON #9-8345	3645 RIO RD CARMEL	UST-Priority-CA	Listed	0.3 N	N/A

DATABASE OCCURRENCE SUMMARY

HIGH RISK* OCCURRENCES IDENTIFIED IN REQUESTED SEARCH RADIUS		
DATABASE SEARCHED	DISTANCE SEARCHED (MILES)	HIGH RISK OCCURRENCES FOUND
Cal-CorAct-Open-CA	0.5	0
Cal-Military-Active	1	0
Cal-School-Active	0.5	0
Cal-State-Response-Active	1	0
Cal-Superfund-Active	1	0
Cal-VCP-Active	0.5	0
CERCLIS-US	0.5	0
County-LUST-Open-CA	0.5	0
County-SLIC-Open-CA	0.5	0
LUST-Open-CA	0.5	0
NPL-US	1	0
SAA-Agreements-US	1	0
SLIC-Open-CA	0.5	0
SML-Open-CA	0.5	0
Tribal-LUST-Open-Reg9	0.5	0
UST-Cleanup-CA	0.5	0
UST-Priority-CA	0.5	2

* For the purposes of this report, "high risk" occurrences are those that have known contamination and have not received a "case closed" or "no further action" status from the agency that maintains the records.

FEDERAL ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
BF-US	0.5	0	0	0	0	-	0
CERCLIS-Archived-US	0.5	0	0	0	0	-	0
CERCLIS-US	0.5	0	0	0	0	-	0
Controls-RCRA-US	0.5	0	0	0	0	-	0
Controls-US	0.5	0	0	0	0	-	0
Debris-US	0.5	0	0	0	0	-	0
Delisted-NPL-US	1	0	0	0	0	0	0
ERNS-US	0.0625	0	0	-	-	-	0
FEMA-UST-US	0.25	0	0	0	-	-	0
FTTS-ENF-US	0.0625	0	0	-	-	-	0
Hist-Dumps-US	0.5	0	0	0	0	-	0
Hist-US-EC	0.5	0	0	0	0	-	0
Hist-US-IC	0.5	0	0	0	0	-	0
HMIS-US	0.0625	0	0	-	-	-	0
LIENS-US	0.0625	0	0	-	-	-	0
NPL-US	1	0	0	0	0	0	0
PADS-US	0.0625	0	0	-	-	-	0
PCB-US	0.25	0	0	0	-	-	0
RCRA-CESQG-US	0.25	0	0	0	-	-	0
RCRA-COR-US	1	0	0	0	0	0	0
RCRA-LQG-US	0.25	0	1	1	-	-	2
RCRA-NON-US	0.25	0	0	0	-	-	0
RCRA-SQG-US	0.25	0	0	0	-	-	0
RCRA-TSD-US	0.5	0	0	0	0	-	0
SAA-Agreements-US	1	0	0	0	0	0	0

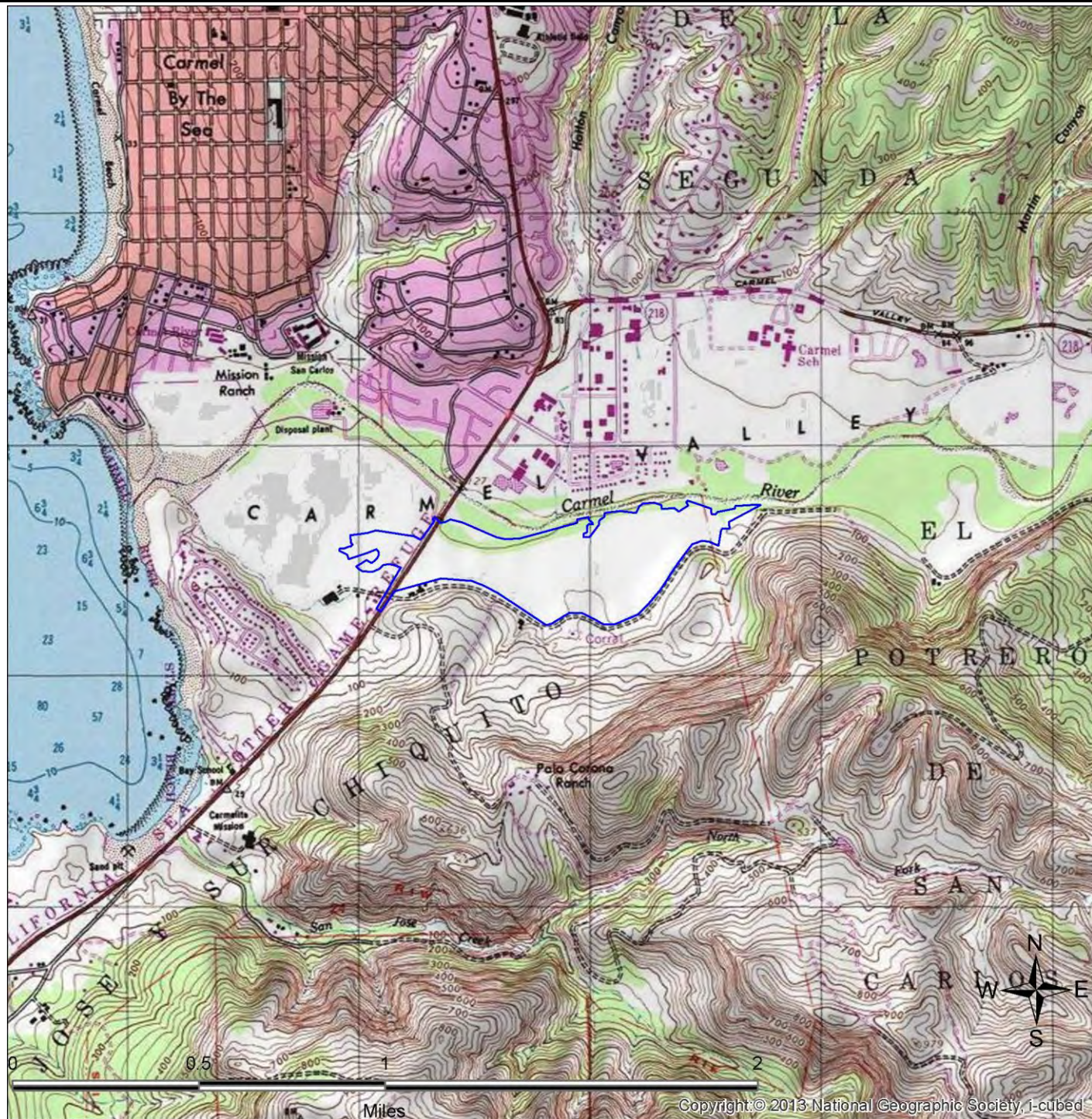
FEDERAL ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Tribal-BF-US	0.5	0	0	0	0	-	0
Tribal-LUST-Closed-Reg9	0.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg9	0.5	0	0	0	0	-	0
Tribal-ODI-US	0.5	0	0	0	0	-	0
Tribal-UST-Reg9	0.25	0	0	0	-	-	0
Tribal-VCP-US	0.5	0	0	0	0	-	0

STATE ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
AST-CA	0.25	0	0	0	-	-	0
Cal-BZ-HazWaste-CA	0.5	0	0	0	0	-	0
Cal-CorAct-Closed-CA	0.5	0	0	0	0	-	0
Cal-CorAct-Open-CA	0.5	0	0	0	0	-	0
Cal-Eval-Hist	0.5	0	0	0	0	-	0
Cal-Eval-Hist-NFA	0.5	0	0	0	0	-	0
Cal-Military-Active	1	0	0	0	0	0	0
Cal-Military-NFA	0.5	0	0	0	0	-	0
Cal-Military-Other	1	0	0	0	0	0	0
Cal-School-Active	0.5	0	0	0	0	-	0
Cal-School-NFA	0.5	0	0	0	0	-	0
Cal-School-Other	0.5	0	0	0	0	-	0
Cal-State-Response-Active	1	0	0	0	0	0	0
Cal-State-Response-NFA	0.5	0	0	0	0	-	0
Cal-State-Response-Other	0.5	0	0	0	0	-	0
Cal-Superfund-Active	1	0	0	0	0	0	0
Cal-Superfund-NFA	1	0	0	0	0	0	0
Cal-Superfund-Other	1	0	0	0	0	0	0
Cal-VCP-Active	0.5	0	0	0	0	-	0
Cal-VCP-NFA	0.5	0	0	0	0	-	0
Cal-VCP-Other	0.5	0	0	0	0	-	0
CBF-CA	0.5	0	0	0	0	-	0
CHMIRS-CA	0.0625	0	0	-	-	-	0
City-AST-CA	0.25	0	0	0	-	-	0
City-CUPA-CA	0.25	0	0	0	-	-	0
City-Others-CA	0.25	0	0	0	-	-	0
City-UST-CA	0.25	0	0	0	-	-	0
Controls-CA	0.5	0	0	0	0	-	0
CORTESE-CA	0.25	0	0	0	-	-	0
County-AST-CA	0.25	0	0	0	-	-	0
County-Hist-CA	0.25	0	0	0	-	-	0
County-LUST-CA	0.5	0	0	0	0	-	0
County-LUST-Closed-CA	0.25	0	0	0	-	-	0
County-LUST-Open-CA	0.5	0	0	0	0	-	0
County-Others-CA	0.25	0	0	0	-	-	0
County-SLIC-Closed-CA	0.25	0	0	0	-	-	0
County-SLIC-Open-CA	0.5	0	0	0	0	-	0
County-SML-CA	0.5	0	0	0	0	-	0
County-SWF-CA	0.5	0	0	0	0	-	0
County-UST-CA	0.25	0	0	0	-	-	0
CUPA-CA	0.25	0	1	4	-	-	5
ENF-CA	0.25	0	0	1	-	-	1
HazWaste-CA	0.25	0	0	0	-	-	0

STATE ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Hist-Controls-CA	0.5	0	0	0	0	-	0
Hist-Cort-CA	0.25	0	0	0	-	-	0
HIST-R4-CA	0.25	0	0	0	-	-	0
Hist-SWF-CA	0.5	0	0	0	0	-	0
Hist-UST-CA	0.25	0	0	2	-	-	2
Hist-WIP-Active-CA	0.5	0	0	0	0	-	0
Hist-WIP-Backlog-CA	0.5	0	0	0	0	-	0
Hist-WIP-Historical-CA	0.5	0	0	0	0	-	0
HWIS-CA	0.0625	0	0	-	-	-	0
Land-Disposal-CA	0.5	0	0	0	0	-	0
Liens-CA	0.0625	0	0	-	-	-	0
LUST-Closed-CA	0.25	0	0	1	-	-	1
LUST-Open-CA	0.5	0	0	0	0	-	0
Manifest2-NY	0.0625	0	0	-	-	-	0
Manifest2-RI	0.0625	0	0	-	-	-	0
PR-MOA-CA	0.25	0	0	0	-	-	0
SLIC-Closed-CA	0.5	0	0	1	0	-	1
SLIC-CV-CLOSED-CA	0.5	0	0	0	0	-	0
SLIC-CV-OPEN-CA	0.5	0	0	0	0	-	0
SLIC-Open-CA	0.5	0	0	0	0	-	0
SML-Closed-CA	0.5	0	0	0	0	-	0
SML-Open-CA	0.5	0	0	0	0	-	0
SML-Other-CA	0.5	0	0	0	0	-	0
SWIS-CA	0.5	0	0	0	0	-	0
SWRCY-CA	0.5	0	0	0	0	-	0
UST-Abandoned-CA	0.25	0	0	0	-	-	0
UST-CA	0.25	0	0	1	-	-	1
UST-Cleanup-CA	0.5	0	0	0	0	-	0
UST-Closed-CA	0.25	0	0	0	-	-	0
UST-Comp-CA	0.25	0	0	0	-	-	0
UST-Priority-CA	0.5	0	0	1	1	-	2
UST-Proposed-CA	0.25	0	0	0	-	-	0

SUPPLEMENTAL DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Not Searched							

PROPRIETARY HISTORIC DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Not Searched							



SITE LOCATION TOPOGRAPHIC MAP

U.S. Geological Survey. Monterey Quadrangle, 7.5 Minute Series

Environmental Investigation
Services, Inc

Hwy 1 Caltrans Easement Area
Carmel, CA

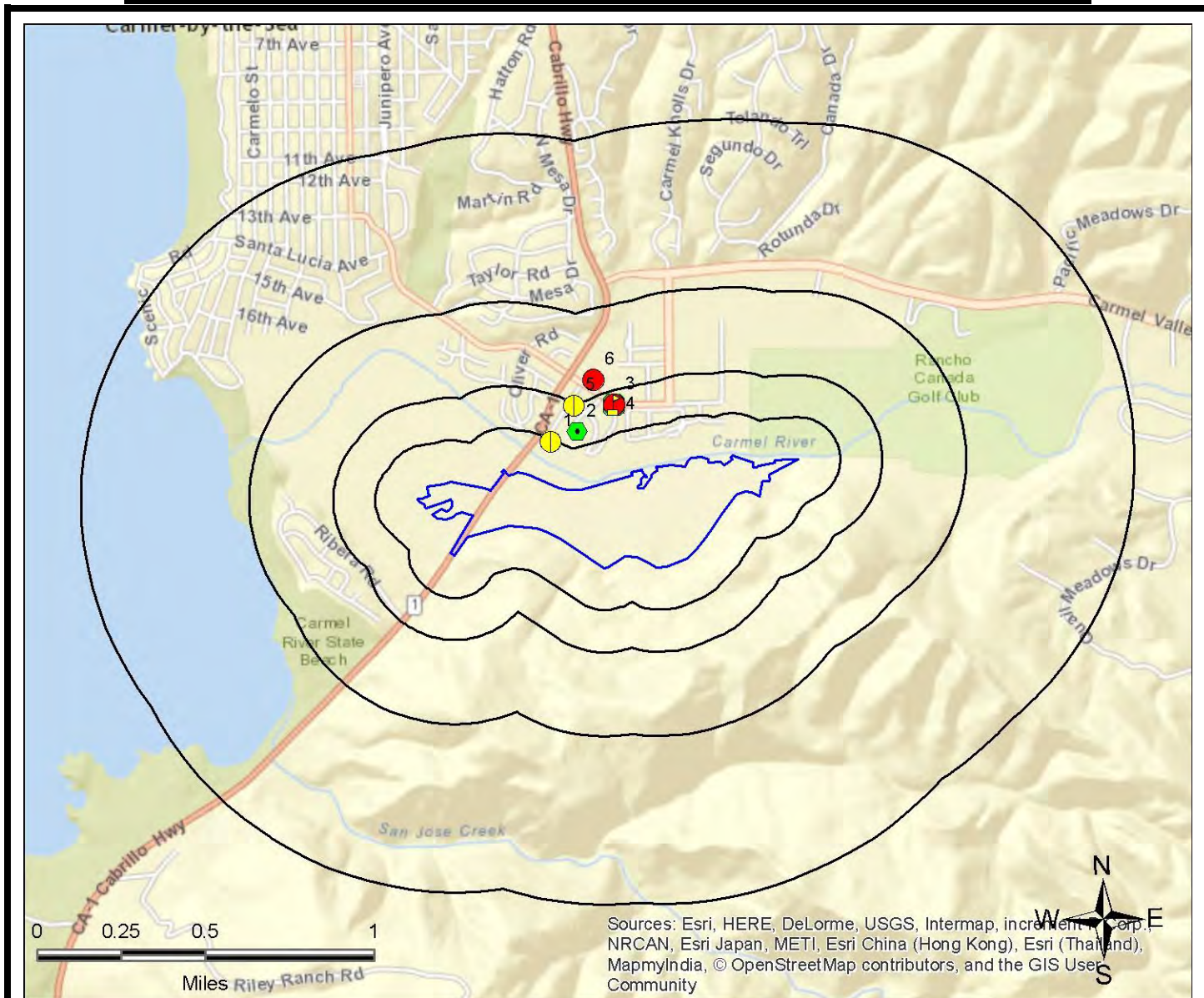
FIGURE: 1
JOB: 1567-1
DATE: 10/30/2015



SITE LOCATION MAP

<p>Environmental Investigation Services, Inc</p>	<p>Hwy 1 Caltrans Easement Area Carmel, CA</p>	<p>FIGURE: 2 JOB: 1567-1 DATE: 10/30/2015</p>
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1-MILE RADIUS STREET MAP W/OCCURRENCES (MAP1)

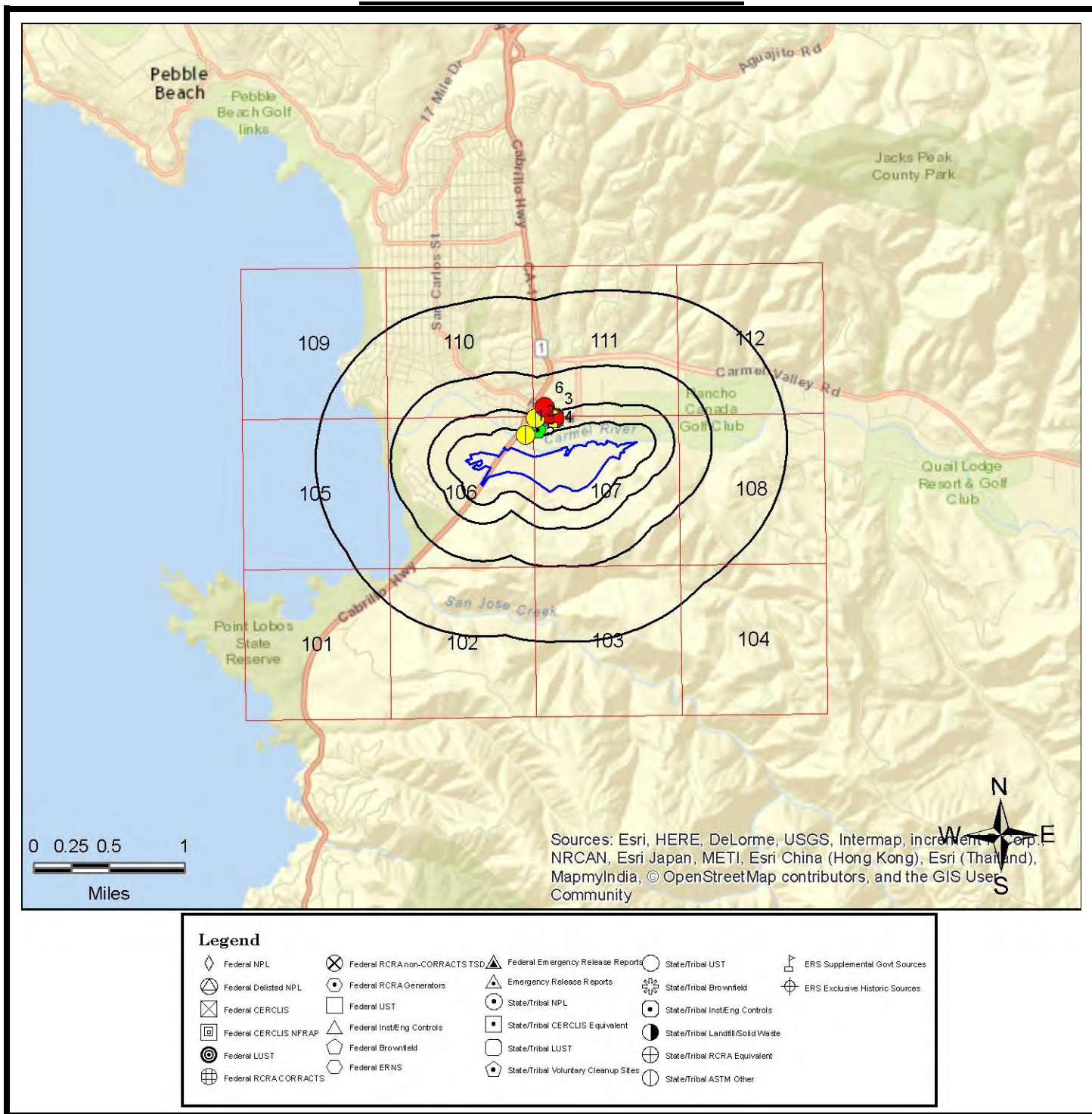


Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Legend					
Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST	ERS Supplemental Govt Sources	
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield	ERS Exclusive Historic Sources	
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls		
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste		
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent		
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other		

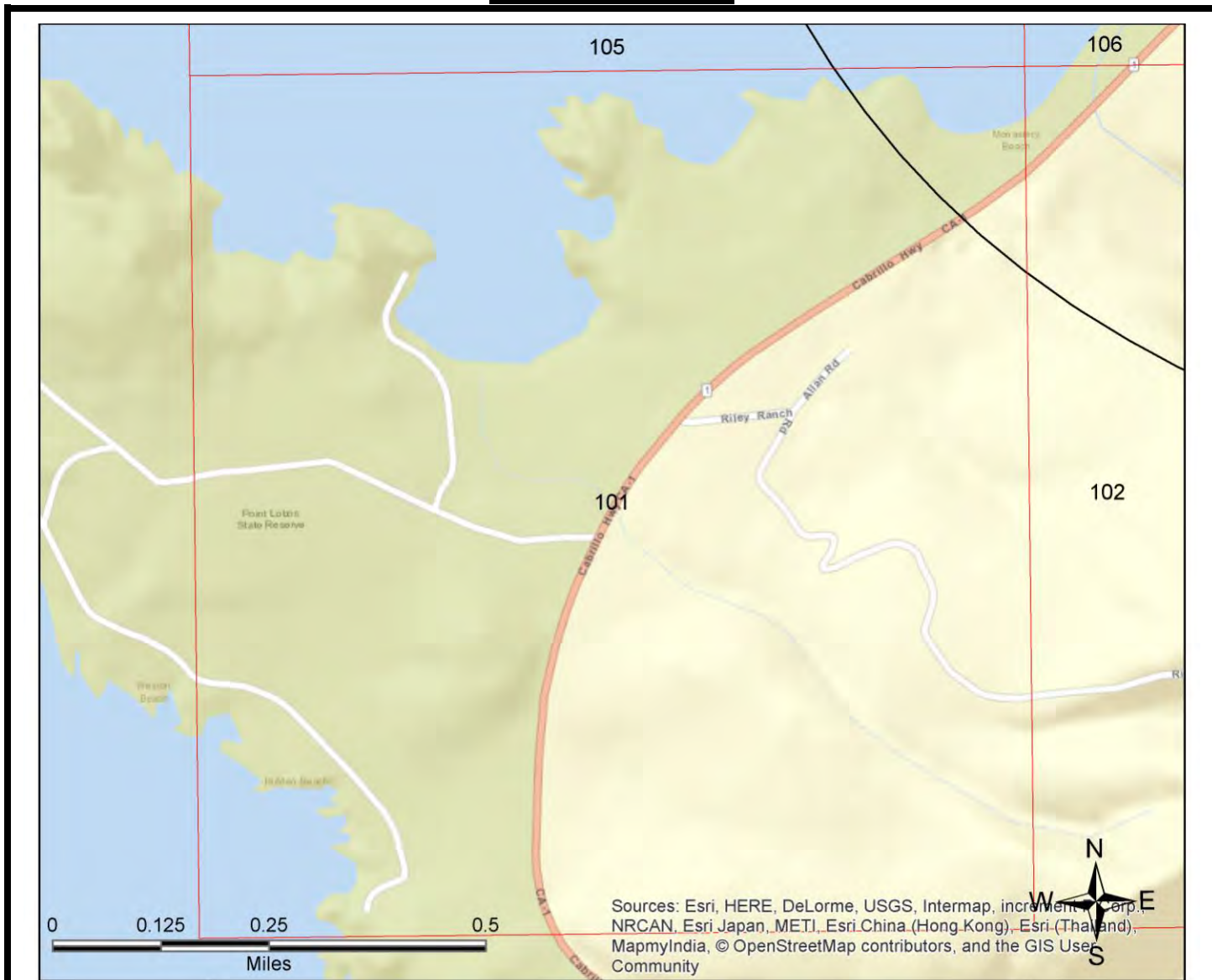
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID LAYOUT MAP KEY



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

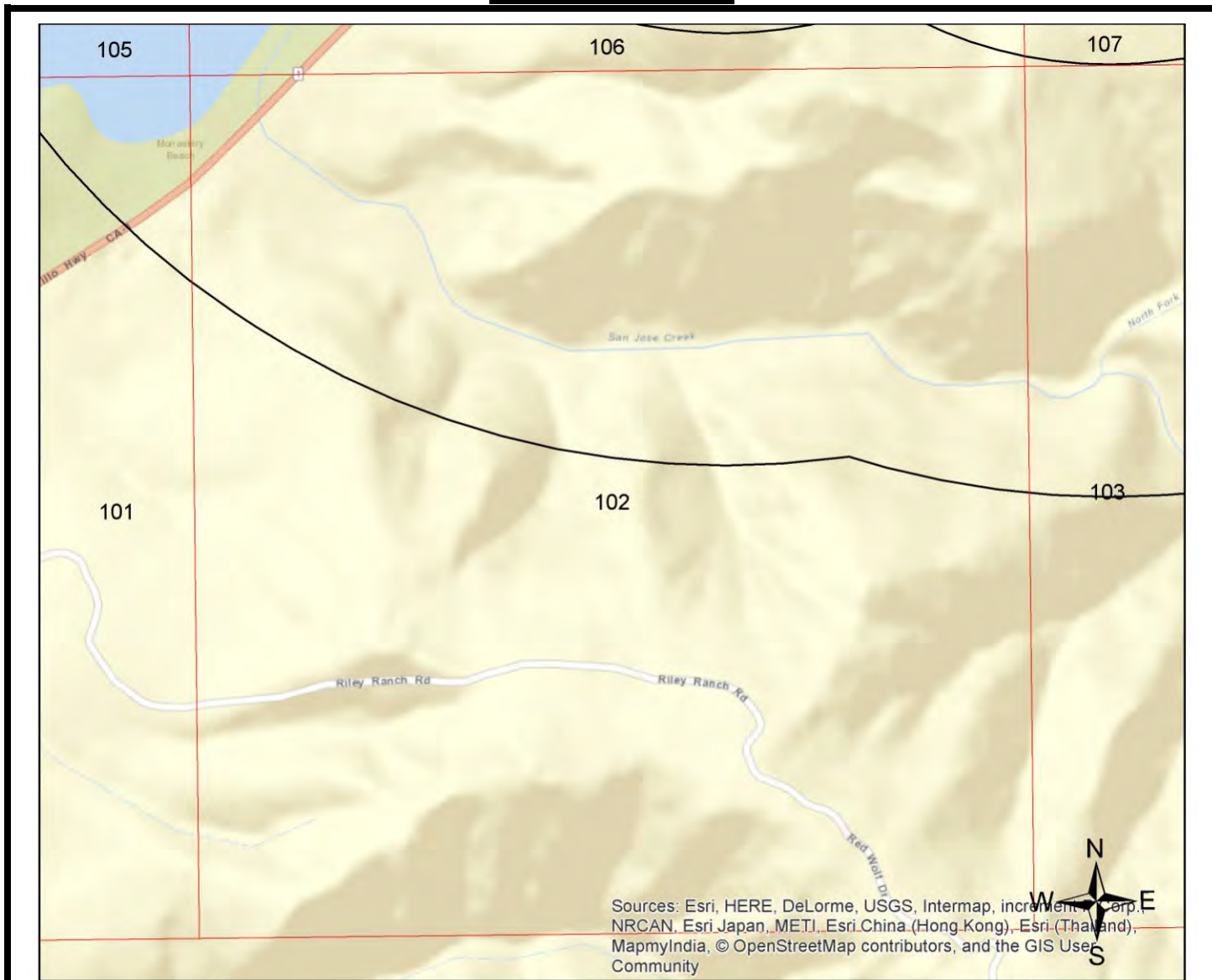
GRID MAP 101



Legend			
Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other
			ERS Supplemental Govt Sources
			ERS Exclusive Historic Sources

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 102



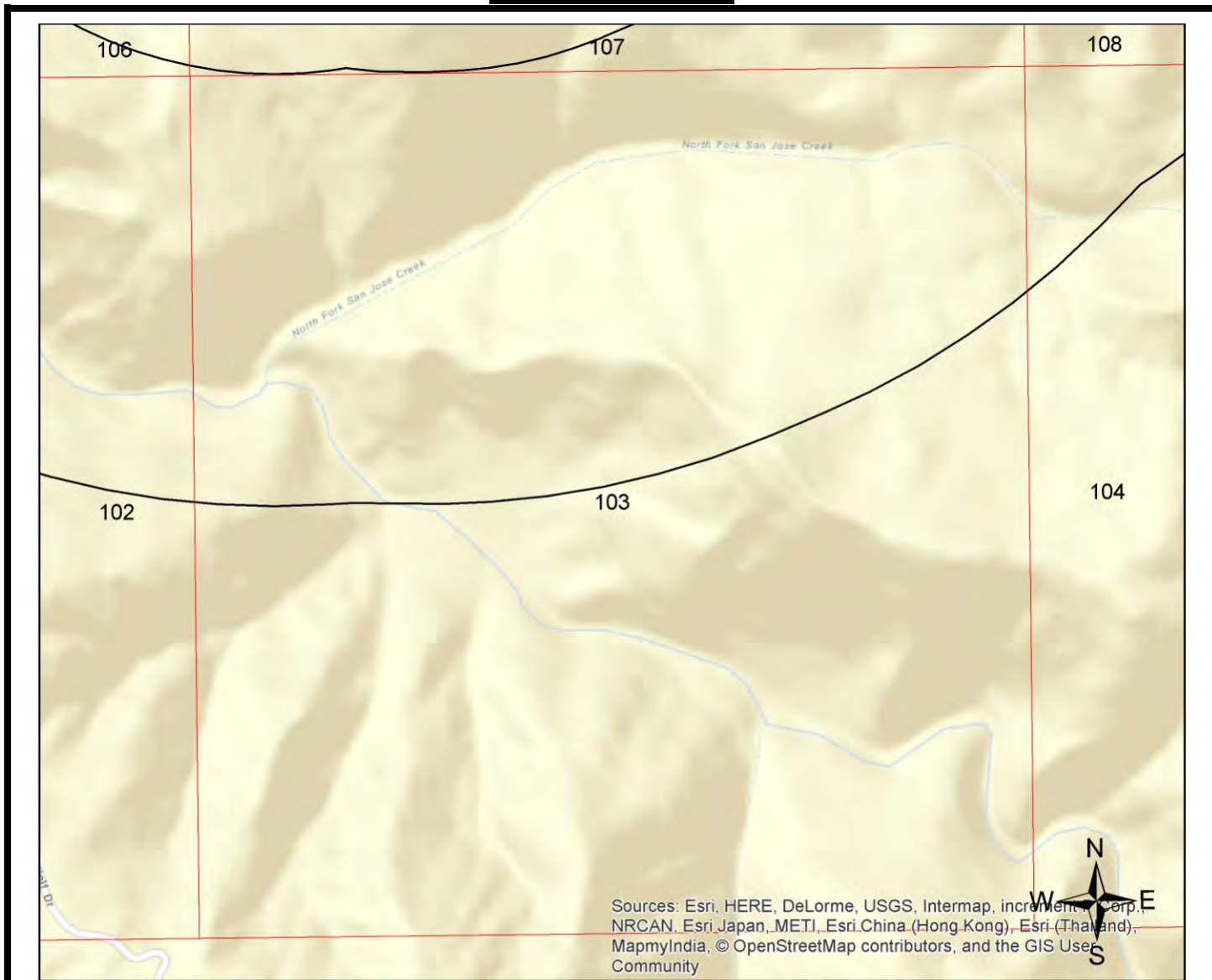
Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Legend

Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST	ERS Supplemental Govt Sources
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield	ERS Exclusive Historic Sources
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls	
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste	
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent	
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other	

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

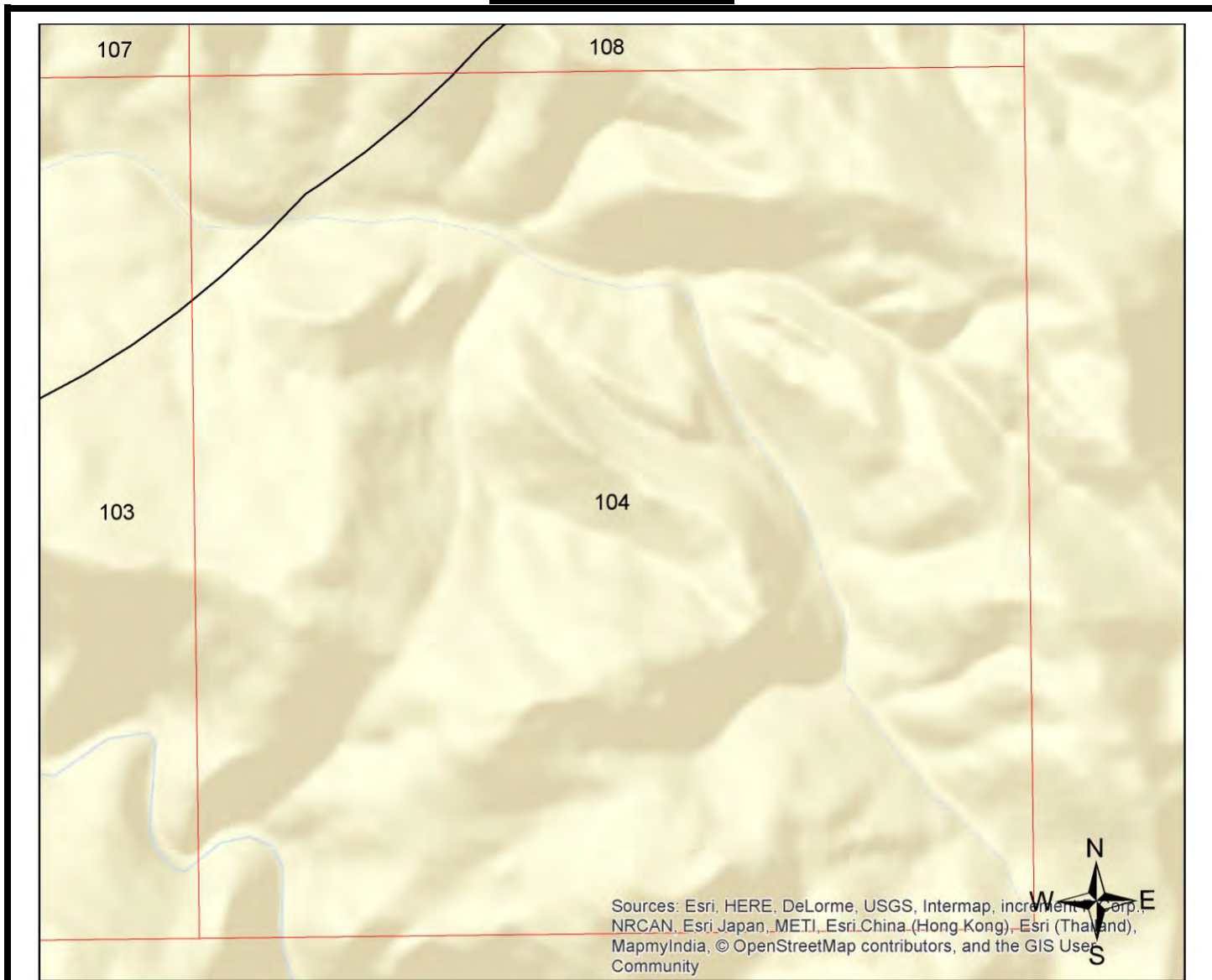
GRID MAP 103



Legend			
Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other
			ERS Supplemental Govt Sources
			ERS Exclusive Historic Sources

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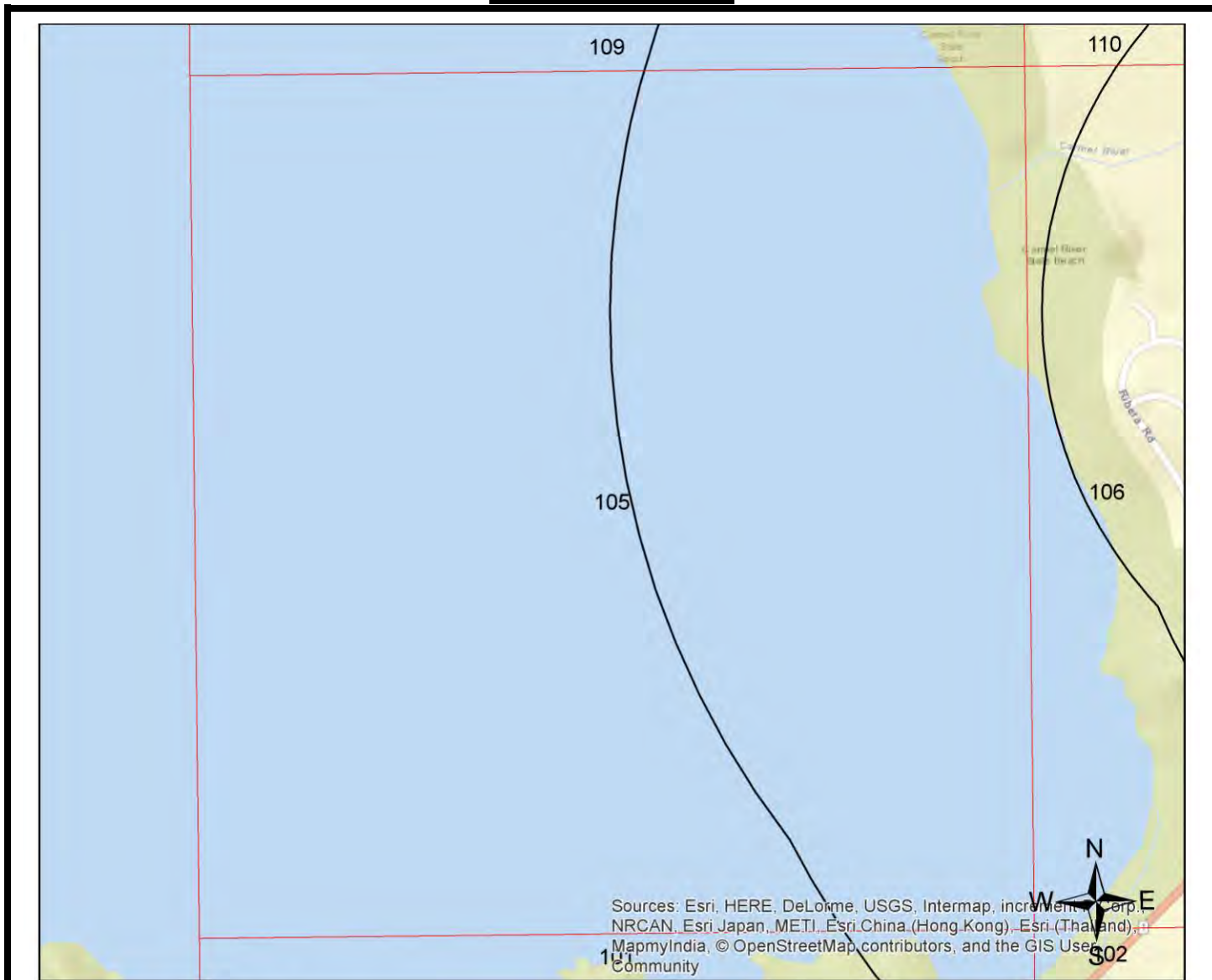
GRID MAP 104



Legend					
Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST	ERS Supplemental Govt Sources	
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield	ERS Exclusive Historic Sources	
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls		
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste		
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent		
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other		

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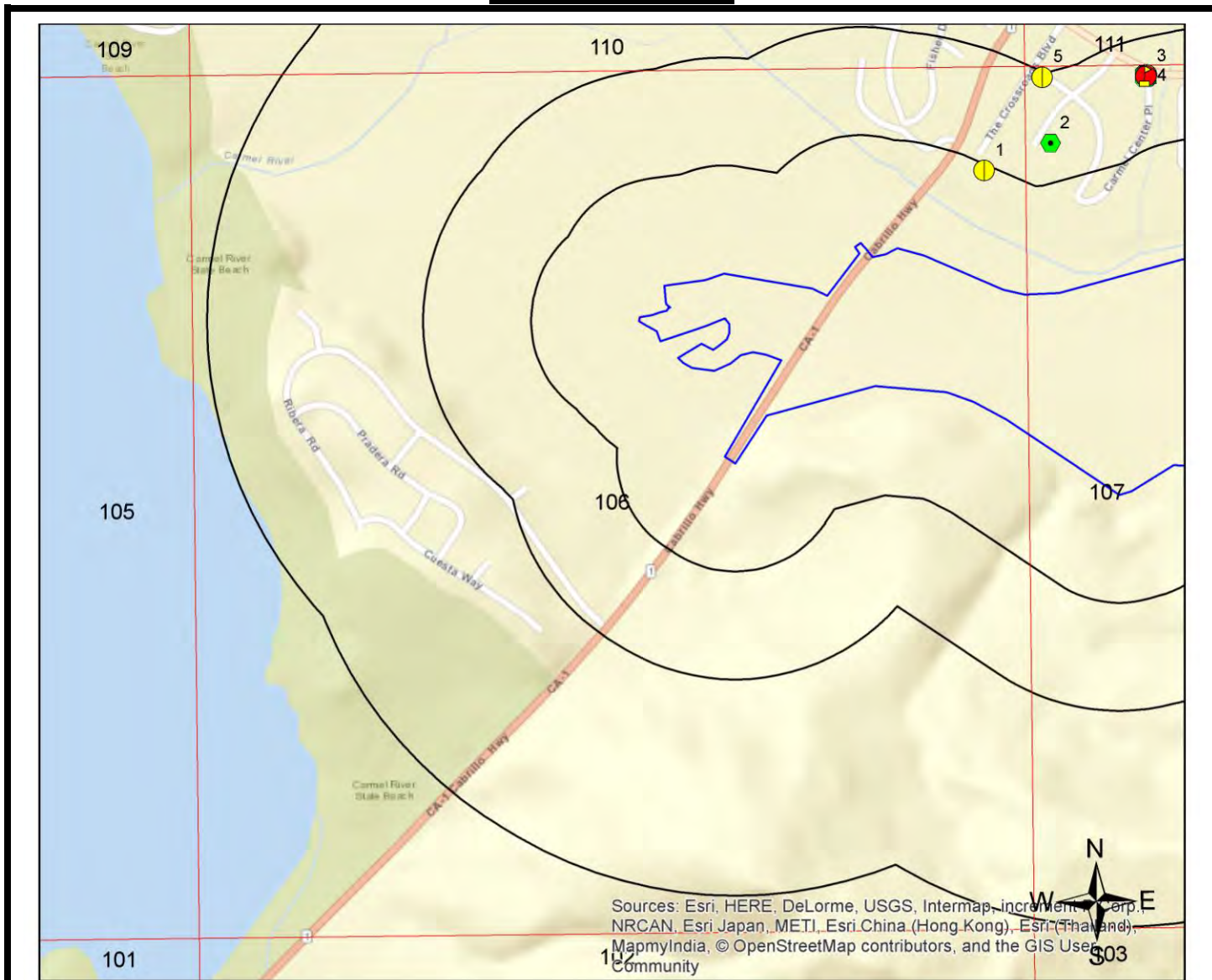
GRID MAP 105



Legend					
Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST	ERS Supplemental Govt Sources	
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield	ERS Exclusive Historic Sources	
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls		
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste		
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent		
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other		

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 106

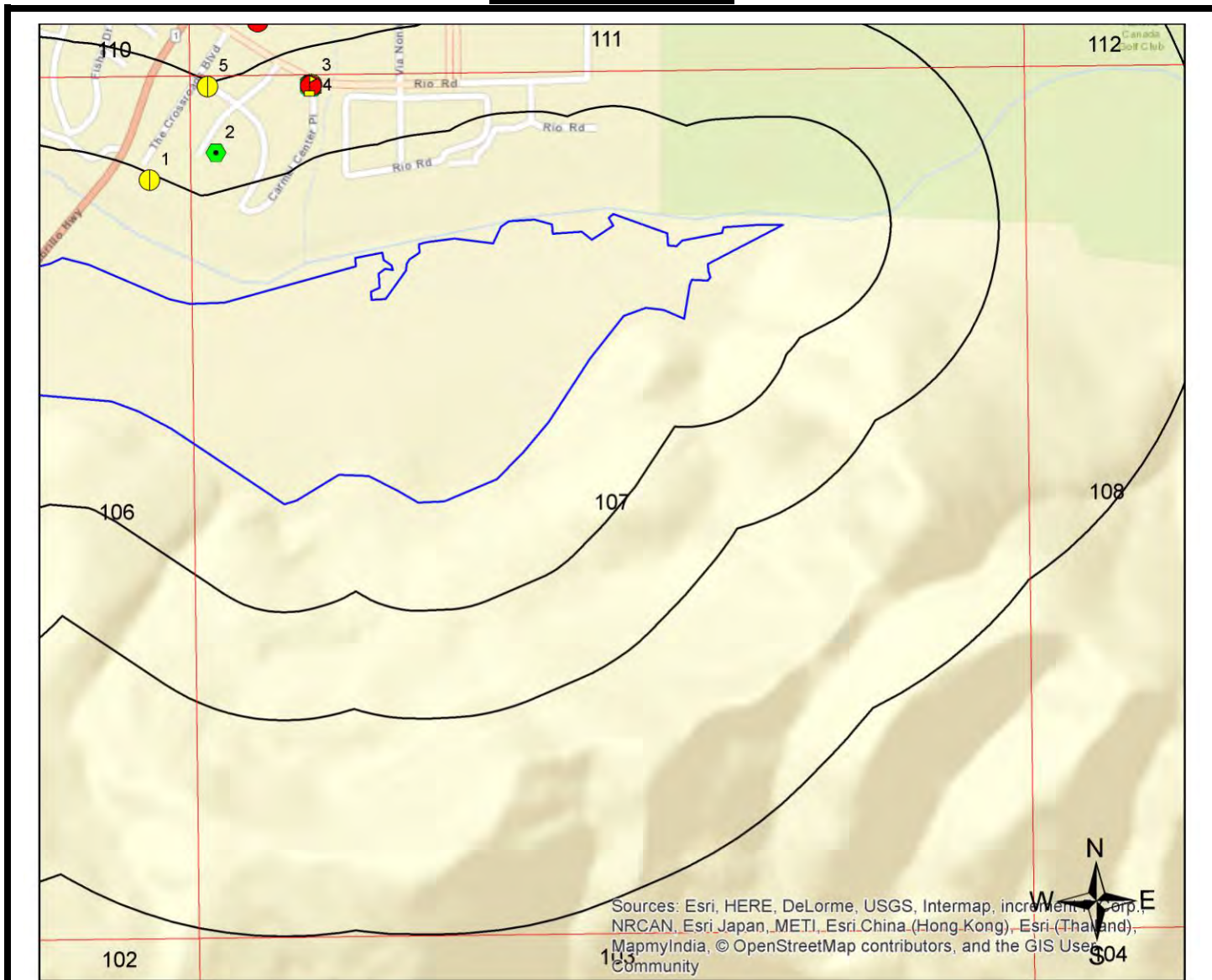


Sources: Esri, HERE, DeLorme, USGS, Intermap, increment Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Legend			
Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Landfill/Solid Waste
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal RCRA Equivalent
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal Voluntary Cleanup Sites
Federal RCRA CORRACTS	Federal ERNS	State/Tribal ASTM Other	ERS Supplemental Govt Sources
			ERS Exclusive Historic Sources

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

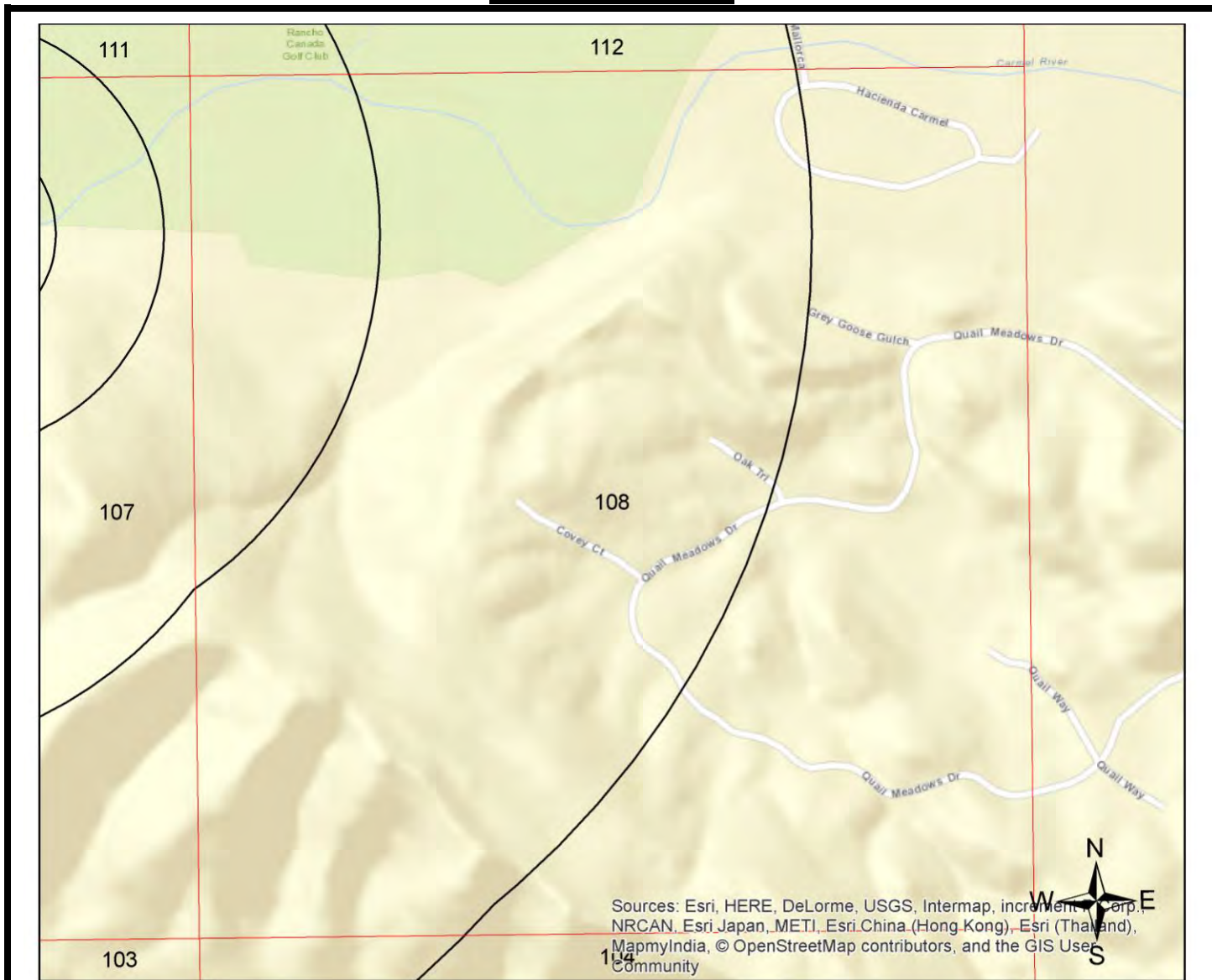
GRID MAP 107



Legend					
◇ Federal NPL	○ Federal RCRA non-CORRACTS TSD	▲ Federal Emergency Release Reports	○ State/Tribal UST	⚓ ERS Supplemental Govt Sources	
⊗ Federal Delisted NPL	● Federal RCRA Generators	▲ Emergency Release Reports	⊗ State/Tribal Brownfield	⊕ ERS Exclusive Historic Sources	
⊗ Federal CERCLIS	□ Federal UST	● State/Tribal NPL	● State/Tribal Inst/Eng Controls		
⊗ Federal CERCLIS NFRAP	△ Federal Inst/Eng Controls	● State/Tribal CERCLIS Equivalent	● State/Tribal Landfill/Solid Waste		
⊗ Federal LUST	◇ Federal Brownfield	○ State/Tribal LUST	⊕ State/Tribal RCRA Equivalent		
⊗ Federal RCRA CORRACTS	○ Federal ERNS	⊕ State/Tribal Voluntary Cleanup Sites	○ State/Tribal ASTM Other		

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 108



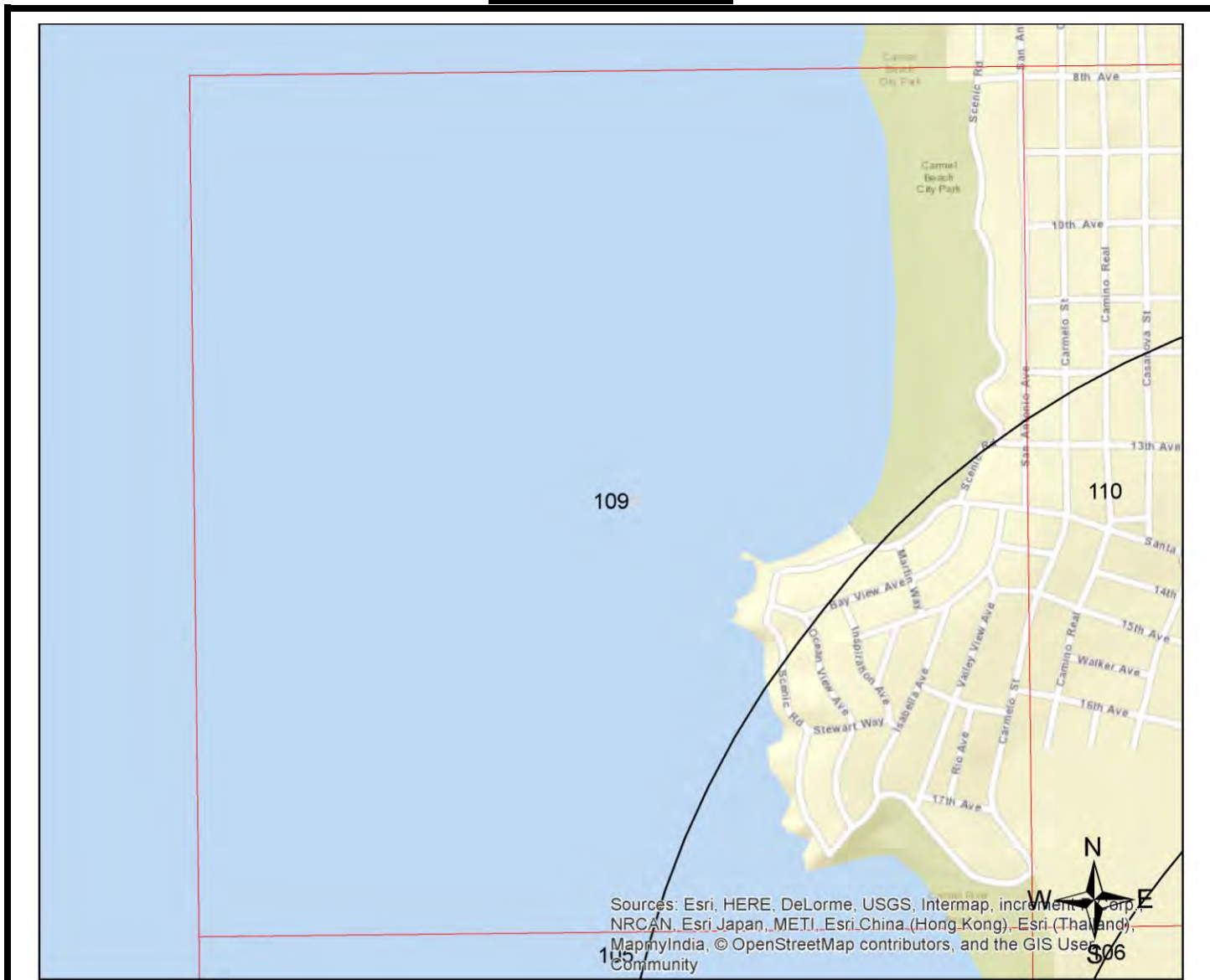
Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Legend

Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST	ERS Supplemental Govt Sources
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield	ERS Exclusive Historic Sources
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls	
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste	
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent	
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other	

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

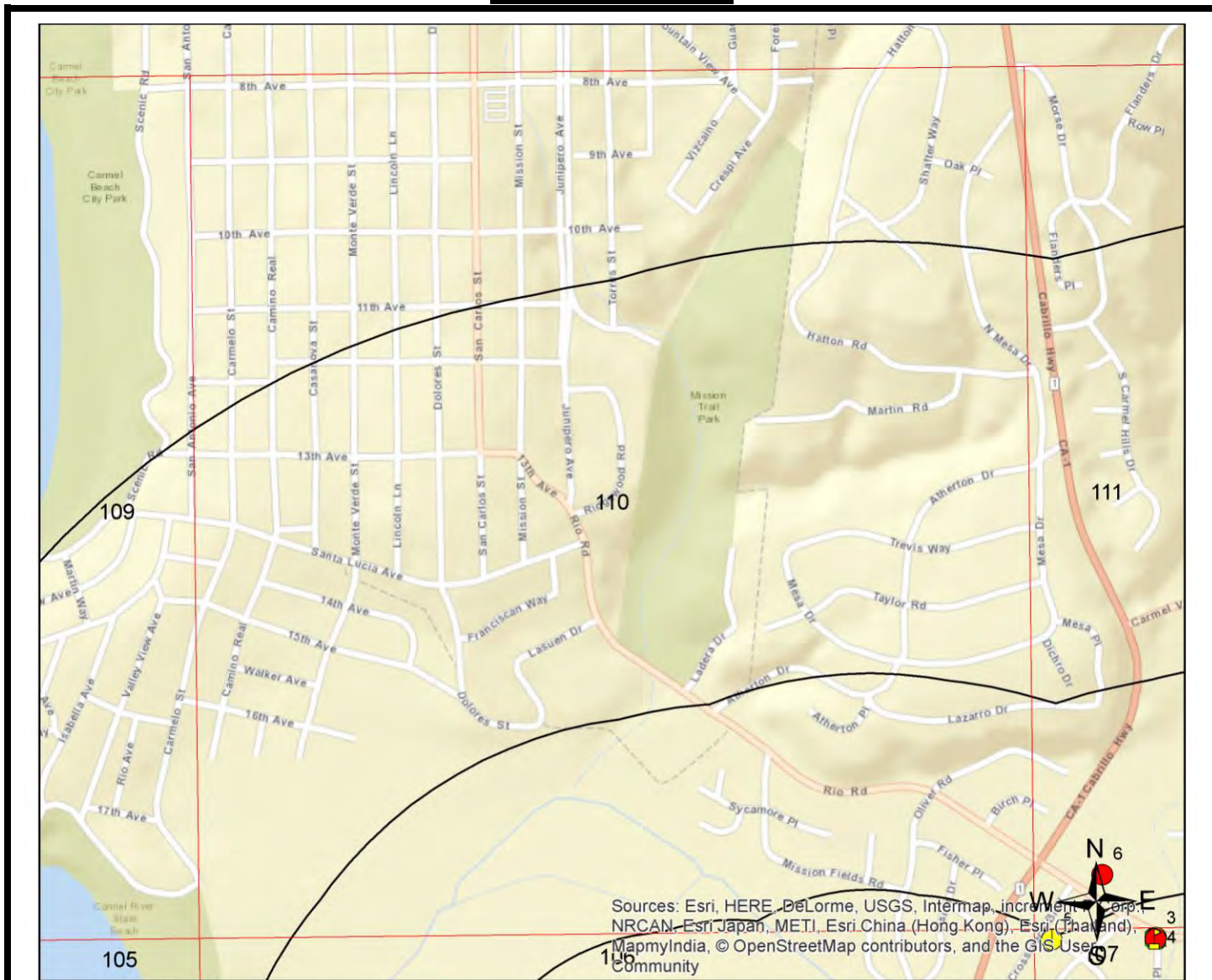
GRID MAP 109



Legend			
	Federal NPL		Federal RCRA non-CORRACTS TSD
	Federal Delisted NPL		Federal RCRA Generators
	Federal CERCLIS		Federal Emergency Release Reports
	Federal CERCLIS NFRAP		Emergency Release Reports
	Federal LUST		State/Tribal NPL
	Federal RCRA CORRACTS		State/Tribal CERCLIS Equivalent
	Federal Inst/Eng Controls		State/Tribal LUST
	Federal Brownfield		State/Tribal RCRA Equivalent
	Federal ERNS		State/Tribal Voluntary Cleanup Sites
	Federal UST		State/Tribal ASTM Other
	Federal Inst/Eng Controls		State/Tribal UST
	Federal Brownfield		State/Tribal Brownfield
	Federal ERNS		State/Tribal Landfill/Solid Waste
	Federal ERNS		ERS Supplemental Govt Sources
	Federal ERNS		ERS Exclusive Historic Sources

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

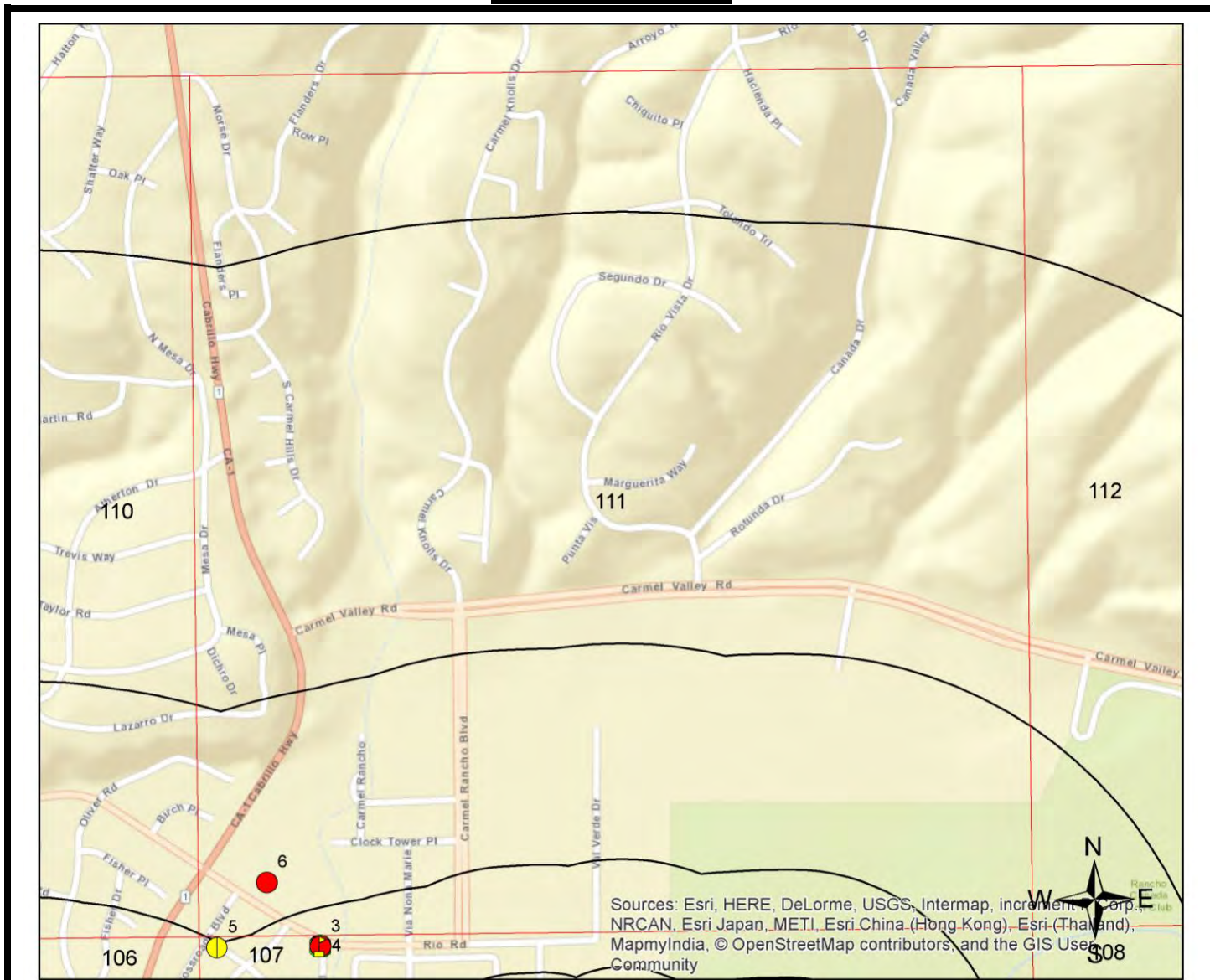
GRID MAP 110



Legend			
Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other
			ERS Supplemental Govt Sources
			ERS Exclusive Historic Sources

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

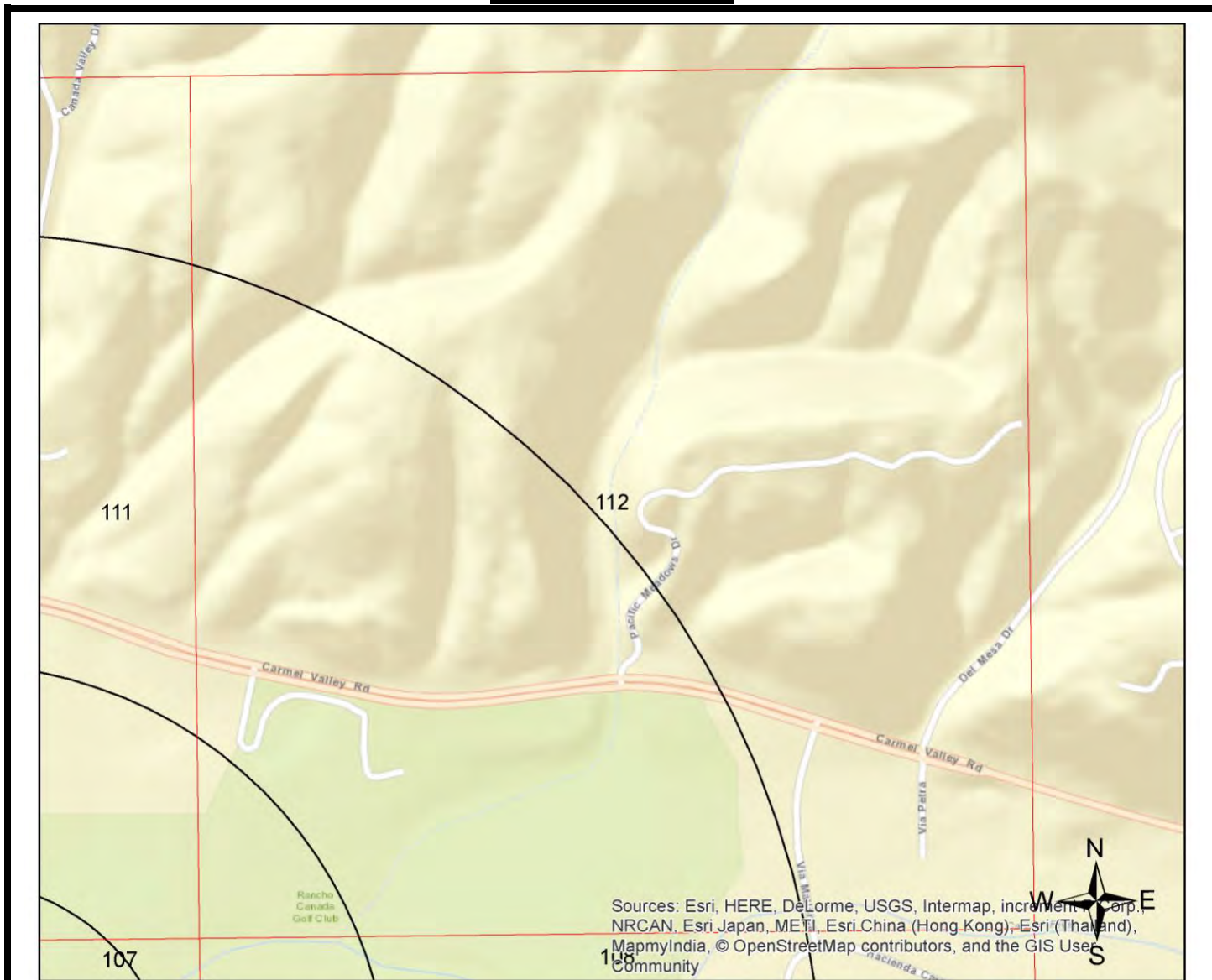
GRID MAP 111



Legend			
Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other
			ERS Supplemental Govt Sources
			ERS Exclusive Historic Sources

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

GRID MAP 112

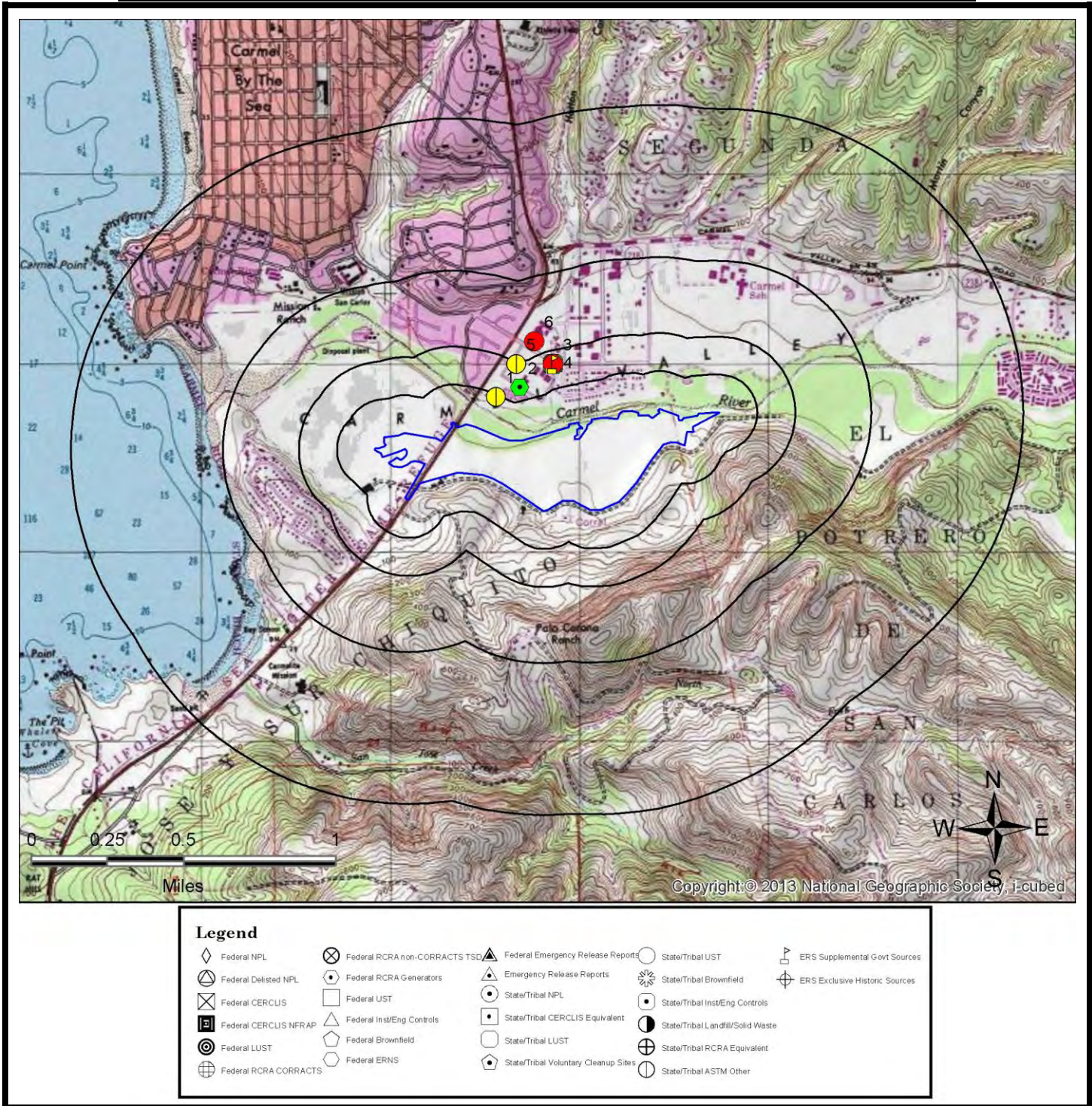


Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Legend			
Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other
			ERS Supplemental Govt Sources
			ERS Exclusive Historic Sources

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

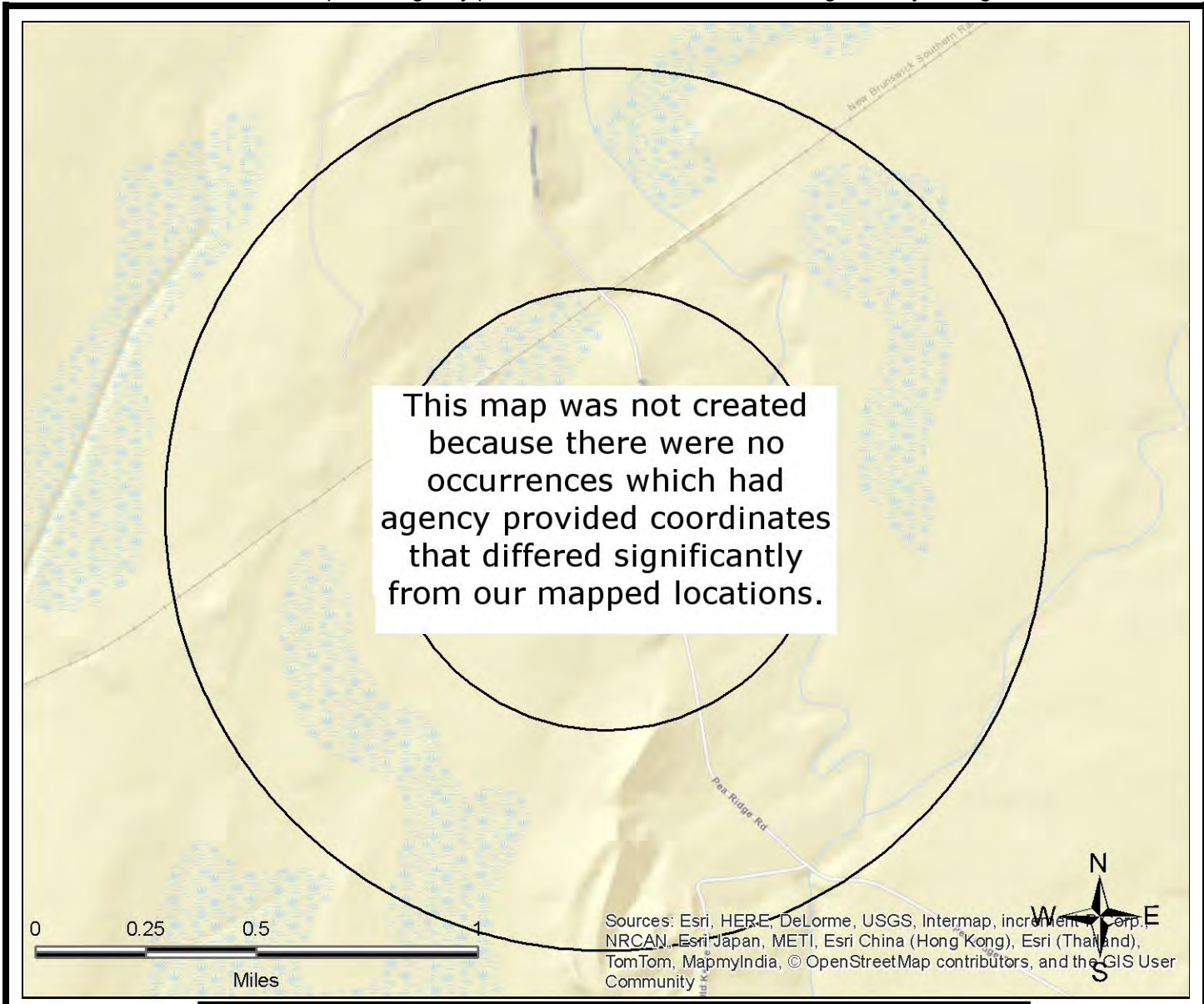
1-MILE TOPOGRAPHIC MAP W/OCCURRENCES (MAP3)



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

AGENCY DIFFERENCES IN MAPPED LOCATIONS (MAP4)

Note: Occurrences on this map have agency provided coordinates which differ significantly from geocoded locations.



Legend					
Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST	ERS Supplemental Govt Sources	
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield	ERS Exclusive Historic Sources	
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls		
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste		
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent		
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other		

This "AGENCY DIFFERENCES IN MAPPED LOCATIONS (MAP 4)" is fully protected against reproduction in any way, shape or form by ERS Environmental Record Search. ALL applicable laws, copyrights, pending copyrights, trademarks, and any and all applicable Federal and State laws apply at all times. These protections include the concept, procedures, processes, layout, vision, color scheme, mapping layout, legends, data, any and all verbiage, and the entire concept.

SUMMARY OF AGENCY DIFFERENCES

MAP ID	ID / SITE NAME	ADDRESS / DATABASE	AGENCY COORDINATES	DISTANCE (MILES)	DIRECTION
N/A	No occurrences were identified where the agency provided coordinates that differed significantly from our mapped locations.				

LISTED OCCURRENCE DETAILS

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CUPA-CA	Listed	0.12 miles N	23 ft	1
SITE NAME			MAPS	ID
SAFEWAY STORE #2669			1 , 3	FA0824952-MRY
ADDRESS			CITY	ZIP
5 CROSSROADS BLVD			CARMEL	93923
DETAILS				
<p>County: Monterey Responsible Agency: Monterey County Health Department</p> <p>Program/Element Code: 5040 Program/Element: BASE FEE-HAZARDOUS MATERIALS REGISTRATION Entered Date: 7/2/2012 Mailing Address: PO BOX 29096 MS 6516 Mailing Address (Care Of): Not Reported Mailing Address 2: Not Reported Mailing City Name: PHOENIX Mailing City/State/Zip: PHOENIX, AZ 85038 Mailing State: AZ Mailing Zip: 85038</p>				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-LQG-US	Listed	0.12 miles N	23 ft	1
SITE NAME			MAPS	ID
SAFEWAY STORE NO 2669			1 , 3	CAR000227736
ADDRESS			CITY	ZIP
5 CROSSROADS BLVD			CARMEL	93923

DETAILS

Additional details may be found online using the following link:
http://oaspub.epa.gov/enviro/fii_query_dtl_disp_program_facility?pgm_sys_id_in=CAR000227736&pgm_sys_acrnm_in=RCRAINFO
 Source Type: Notification
 Generator Status Universe: LQG
 Generator Status: Large Quantity Generator
 NAICS1: SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES
 Active Site Indicator: H---
 Owner Name: CARMEL VALLEY PARTNERS
 Operator Name: SAFEWAY
 In Handler Universes: Y
 In a Universe: Y
 Short Term Generator: N
 Importer Activity: N
 Mixed Waste Generator: N
 Transporter Activity: N
 Transfer Facility: N
 Recycler Activity: N
 Onsite Burner Exemption: N
 Furnace Exemption: N
 Underground Injection Activity: N
 Receives Waste From Off-site: N
 Universal Waste: N
 Universal Waste Destination Facility: N
 Used Oil Universe: NNNNNNN
 Federal Universal Waste: N
 Active Site Federally Regulated TSD: -----
 Active Site Converter TSD: -----

[More Details Link](#)

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
RCRA-LQG-US	Listed	0.17 miles N	25 ft	2
SITE NAME			MAPS	ID
CVS PHARMACY NO 9612			1 , 3	CAR000237495
ADDRESS			CITY	ZIP
6 THE CROSSROADS			CARMEL	93923

DETAILS

Additional details may be found online using the following link:
http://oaspub.epa.gov/enviro/fii_query_dtl_disp_program_facility?pgm_sys_id_in=CAR000237495&pgm_sys_acrnm_in=RCRAINFO
 Source Type: Notification
 Generator Status Universe: LQG
 Generator Status: Large Quantity Generator
 NAICS1: PHARMACIES AND DRUG STORES
 Active Site Indicator: H---
 Owner Name: CARMEL VALLEY PARTNERS
 Operator Name: LONGS DRUG STORES CALIFORNIA LLC
 In Handler Universes: Y
 In a Universe: Y
 Short Term Generator: N
 Importer Activity: N
 Mixed Waste Generator: N
 Transporter Activity: N
 Transfer Facility: N
 Recycler Activity: N
 Onsite Burner Exemption: N
 Furnace Exemption: N
 Underground Injection Activity: N
 Receives Waste From Off-site: N
 Universal Waste: N
 Universal Waste Destination Facility: N
 Used Oil Universe: NNNNNNN
 Federal Universal Waste: N
 Active Site Federally Regulated TSD: -----
 Active Site Converter TSD: -----

[More Details Link](#)

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-CA	Completed - Case Closed	0.21 miles N	30 ft	3
SITE NAME			MAPS	ID
ARCOSERVICE STATION #2161			1 , 3	T0605300295
ADDRESS			CITY	ZIP
7 CARMEL CENTER PL			CARMEL	93921

DETAILS

Sites Details

URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0605300295

Global ID: T0605300295

Case Type: LUST Cleanup Site

Status: Completed - Case Closed

Status Date: 5/17/1999

Lead Agency: CENTRAL COAST RWQCB (REGION 3)

Case Worker: JWG

Local Agency: MONTEREY COUNTY

RB Case Number: 384

Loc Case Number: Not Reported

File Location: State Records Center

Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating

Potential Media Affected: Aquifer used for drinking water supply

Site History: Not Reported

Agency Provided Latitude: 36.5381872

Agency Provided Longitude: -121.907455

MTBE/Region Details

: Not Reported

Regulatory Activites Details

Action Date: 3/26/2013

Action Type: RESPONSE

Action: Tank Removal Report / UST Sampling Report

Action Date: 4/23/2012

[More Details Link](#)

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
UST-Priority-CA	Listed	0.21 miles N	30 ft	3
SITE NAME			MAPS	ID
ARCO #2161			1 , 3	11067
ADDRESS			CITY	ZIP
7 CARMEL CENTER PL			CARMEL	93921

DETAILS
<p>Facility Information Global ID: 11067 Claim Number: T0605300295 County: Monterey Priority: D Rank: 2020 Report Date: 4/8/1987 Stop Date: 4/7/1987 Discovered Date: 4/7/1987 Claimant: BP PRODUCTS NORTH AMERICA, INC., ASSIGNEE Lead Agency: CENTRAL COAST RWQCB (</p> <p>GIS Information Agency Provided Longitude: -121.907455 Agency Provided Latitude: 36.5381872</p>

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CUPA-CA	Listed	0.21 miles N	30 ft	3
SITE NAME			MAPS	ID
CARMEL SHELL **CLOSED**			1 , 3	FA0812419-MRY
ADDRESS			CITY	ZIP
7 CARMEL CENTER PL			CARMEL	93923

DETAILS
<p>County: Monterey Responsible Agency: Monterey County Health Department</p> <p>Program/Element Code: 5040 Program/Element: BASE FEE-HAZARDOUS MATERIALS REGISTRATION Entered Date: Not Reported Mailing Address: Not Reported Mailing Address (Care Of): Not Reported Mailing Address 2: Not Reported Mailing City Name: Not Reported Mailing City/State/Zip: Not Reported Mailing State: Not Reported Mailing Zip: Not Reported</p>

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Air-CA	Listed	0.21 miles N	30 ft	3
SITE NAME			MAPS	ID
NAFT PETROLEUM, INC.			1 , 3	MNTE APCD-MBU-973
ADDRESS			CITY	ZIP
7 CARMEL PLACE CENTER			CARMEL	93923
DETAILS				
<p>Toxic Facility Information</p> <p>Agency ID Desc: The first portion is the Air Quality District, the second portion is the County, the last is the Facility ID</p> <p>Facility ID: 973</p> <p>Database Year: 2015</p> <p>Air Basin: NCC</p> <p>County Code: 27</p> <p>District Code: MBU</p> <p>District: MONTEREY BAY UNIFIED APCD</p> <p>Facility SIC Code: 5541</p> <p>COID: MON</p> <p>Prioritization Thresholds: Not Reported</p> <p>Health Risk Assessment (HRA): Not Reported</p> <p>Non-Cancer Chronic Hazard Index: Not Reported</p> <p>Non-Cancer Acute Hazard Index: Not Reported</p> <p>CHAPIS: Not Reported</p> <p>CERR Code: Not Reported</p> <p>Pollutant Information</p> <p>: Not Reported</p>				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CUPA-CA	Listed	0.21 miles N	30 ft	3
SITE NAME			MAPS	ID
CARMEL CENTER SHELL			1 , 3	FA0825776-MRY
ADDRESS			CITY	ZIP
7 CARMEL CENTER PL			CARMEL	93923

DETAILS	
County: Monterey Responsible Agency: Monterey County Health Department Program/Element Code: 5040 Program/Element: BASE FEE-HAZARDOUS MATERIALS REGISTRATION Entered Date: 12/17/2012 Mailing Address: PO BOX 131 Mailing Address (Care Of): CARMEL CENTER SHELL Mailing Address 2: Not Reported Mailing City Name: EUREKA Mailing City/State/Zip: EUREKA, CA 95502 Mailing State: CA Mailing Zip: 95502	

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.21 miles N	30 ft	3
SITE NAME			MAPS	ID
RIO ROAD ARCO			1 , 3	260521
ADDRESS			CITY	ZIP
7 CARMEL CENTER PL			CARMEL	93923
DETAILS				
Note: ID has been assigned by ERS Tank Details: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002E221.pdf County: Monterey				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Hist-UST-CA	Listed	0.21 miles N	30 ft	3
SITE NAME			MAPS	ID
RIO ROAD ARCO			1 , 3	260520
ADDRESS			CITY	ZIP
7 CARMEL CENTER PL			CARMEL	93923

DETAILS

Note: ID has been assigned by ERS
 Tank Details: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A92A.pdf>
 County: Monterey

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CUPA-CA	Listed	0.21 miles N	30 ft	3
SITE NAME			MAPS	ID
RIO ROAD ARCO #2161			1 , 3	FA0825498-MRY
ADDRESS			CITY	ZIP
7 CARMEL CENTER PL			CARMEL	93923

DETAILS

County: Monterey
 Responsible Agency: Monterey County Health Department

Program/Element Code: 5040
 Program/Element: BASE FEE-HAZARDOUS MATERIALS REGISTRATION
 Entered Date: Not Reported
 Mailing Address: Not Reported
 Mailing Address (Care Of): Not Reported
 Mailing Address 2: Not Reported
 Mailing City Name: Not Reported
 Mailing City/State/Zip: Not Reported
 Mailing State: Not Reported
 Mailing Zip: Not Reported

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
UST-CA	Listed	0.21 miles N	30 ft	3
SITE NAME			MAPS	ID
CARMEL SHELL			1 , 3	546956
ADDRESS			CITY	ZIP
7 CARMEL CENTER PLACE			CARMEL	93923

DETAILS

More Information on Site? Go to Following Link: <http://geotracker.waterboards.ca.gov/search.asp>
 Global ID: FA0812419
 COUNTY: Monterey
 Permitting Agency: MONTEREY COUNTY
 Agency Provided Latitude: 36.53788764
 Agency Provided Longitude: -121.9076872
 PROJECT TYPE: Not Reported
 RB Case Number: Not Reported
 LOC Case Number: Not Reported
 Case Worker: Not Reported
 MTBE DATE: Not Reported
 GW CONC (PPB): Not Reported
 MATRIX: Not Reported

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
ENF-CA	Listed	0.21 miles N	30 ft	4
SITE NAME			MAPS	ID
SAFEWAY			1 , 3	SL0605371998
ADDRESS			CITY	ZIP
CROSSROADS SHOPPING CENTER			CARMEL	

DETAILS

Global ID: SL0605371998
 County: Monterey
 Site History: No information is available on this site except a reported soil sample that contained a small amount of solvent, well below cleanup goals. No records are available from Water Board or Monterey County Environmental Health. Monterey Health did not open a
 Case Type: Cleanup Program Site
 Status: Completed - Case Closed
 Lead Agency: CENTRAL COAST RWQCB (REGION 3)
 Case Worker: AJ
 Local Agency: MONTEREY COUNTY
 RB Case Number: Not Reported
 Loc Case Number: Not Reported
 File Location: Not Reported
 Potential Contaminants of Concern: Tetrachloroethylene (PCE)
 Potential Media Affected: Other Groundwater (uses other than drinking water)
 Action Date: 5/11/2009
 Action Type: ENFORCEMENT
 Action: File review

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
SLIC-Closed-CA	Completed - Case Closed	0.21 miles N	30 ft	4
SITE NAME			MAPS	ID
SAFEWAY			1 , 3	SL0605371998
ADDRESS			CITY	ZIP
CROSSROADS SHOPPING CENTER			CARMEL	
DETAILS				
<p>Sites Details URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL0605371998 Global ID: SL0605371998 Case Type: Cleanup Program Site Status: Completed - Case Closed Status Date: 12/31/2005 Lead Agency: CENTRAL COAST RWQCB (REGION 3) Case Worker: AJ Local Agency: MONTEREY COUNTY RB Case Number: Not Reported Loc Case Number: Not Reported File Location: Not Reported Potential Contaminants of Concern: Tetrachloroethylene (PCE) Potential Media Affected: Other Groundwater (uses other than drinking water) Site History: No information is available on this site except a reported soil sample that contained a small amount of solvent, well below cleanup goals. No records are available from Water Board or Monterey County Environmental Health. Monterey Health did not open a case on this site. The Water Board administratively closed this case as of 12/31/2005. Agency Provided Latitude: 36.53812254 Agency Provided Longitude: -121.9078159</p> <p>MTBE/Region Details : Not Reported</p> <p>Regulatory Activites Details Action Date: 5/11/2009 Action Type: ENFORCEMENT Action: File review</p> <p>Action Date: 8/18/2005 More Details Link</p>				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
CUPA-CA	Listed	0.25 miles N	29 ft	5
SITE NAME			MAPS	ID
CROSSROADS CLEANERS**CLOSED**			1 , 3	FA0812644-MRY
ADDRESS			CITY	ZIP
123 CROSSROADS BLVD			CARMEL	92923-0000
DETAILS				
<p>County: Monterey Responsible Agency: Monterey County Health Department</p> <p>Program/Element Code: 5150 Program/Element: BASE FEE HAZARDOUS WASTE GENERATOR Entered Date: Not Reported Mailing Address: Not Reported Mailing Address (Care Of): Not Reported Mailing Address 2: Not Reported Mailing City Name: Not Reported Mailing City/State/Zip: Not Reported Mailing State: Not Reported Mailing Zip: Not Reported</p> <p>Program/Element Code: 5150 Program/Element: BASE FEE HAZARDOUS WASTE GENERATOR Entered Date: Not Reported Mailing Address: Not Reported Mailing Address (Care Of): Not Reported Mailing Address 2: Not Reported Mailing City Name: Not Reported Mailing City/State/Zip: Not Reported Mailing State: Not Reported Mailing Zip: Not Reported</p>				

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
UST-Priority-CA	Listed	0.3 miles N	33 ft	6
SITE NAME			MAPS	ID
CHEVRON #9-8345			1 , 3	15842
ADDRESS			CITY	ZIP
3645 RIO RD			CARMEL	93923

DETAILS

Facility Information

Global ID: 15842

Claim Number: T0605300249

County: Monterey

Priority: D

Rank: 3006

Report Date: 10/22/1998

Stop Date: 10/9/1998

Discovered Date: 10/9/1998

Claimant: CHEVRON PRODUCTS COMPANY

Lead Agency: CENTRAL COAST RWQCB (REGION 3)

R

GIS Information

Agency Provided Longitude: -121.9092241

Agency Provided Latitude: 36.5392

RECORDS SOURCES SEARCHED

Air-CA

Air Permits with Emissions

Category: ERS Supplemental Govt Sources

Description: This database contains permitted facilities that report to the ARB by the different Air Quality Districts.

Agency: California Air Resources Board

Phone Number: 9163222990

Date last updated: 7/17/2015

Date last checked: 5/19/2015

Distance searched: 0.25 miles

Sites:

NAFT PETROLEUM, INC.

MapID: [3](#) Listed

AST-CA

Aboveground Storage Tanks

Category: State/Tribal UST

Description: This database includes aboveground storage tanks previously maintained by the California EPA. The data is historic as AST's are now tracked by local county offices.

Agency: California Environmental Protection Agency

Phone Number: 9163232514

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

BF-US

A Listing of Brownfields Sites

Category: Federal Brownfield

Description: This database contains a listing of Brownfields sites listed under the "Cleanups in My Community" program maintained by EPA.

Agency: U.S. Environmental Protective Agency

Phone Number: 2025662777

Date last updated: 7/27/2015

Date last checked: 6/24/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-BZ-HazWaste-CA

Border Zone or Hazardous Waste Property

Category: State/Tribal ASTM Other

Description: This database Identifies properties that went through the Border Zone Property or Hazardous Waste Property process of evaluation as reported by California Department of Toxic and Substance Control. Potential Border Zone properties are located within 2,000 feet of a significant disposal of hazardous waste; Hazardous Waste Property facilities/sites have a significant disposal of hazardous waste.

Agency: California Department of Toxic and Substance Control.

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-CorAct-Closed-CA

Corrective Action Sites

Category: State/Tribal ASTM Other

Description: This database contains Investigation or cleanup activities at Resource Conservation and Recovery Act (RCRA) or state-only hazardous waste reported by the California Department of Toxic and Substance Control.

Agency: California Department of Toxic and Substance Control.

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-CorAct-Open-CA

Corrective Action Sites

Category: State/Tribal ASTM Other

Description: This database contains Investigation or cleanup activities at Resource Conservation and Recovery Act (RCRA) or state-only hazardous waste reported by the California Department of Toxic and Substance Control.

Agency: California Department of Toxic and Substance Control.

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-Eval-Hist

EnviroStor Database Evaluation History Listing

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of Historical Sites. Historical sites are Identified sites from an older database where no site type was identified. Most of these sites have a status of Referred or No Further Action. DTSC is working to clean up this data by identifying an appropriate site type for each Historic Site.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-Eval-Hist-NFA

EnviroStor Database Evaluation History NFA Listing

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of Historical sites from older database where no site type was identified. These particular sites have received No Further Action.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-Military-Active

EnviroStor Database Military Active Listing

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing Military sites including open and closed bases and Former Used Defense Sites. Active sites are those with confirmed or unconfirmed releases and where DTSC is involved in investigation and/or remediation, either in a lead or support capacity.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 1 mile

Sites:

None Found

Cal-Military-NFA

EnviroStor Database Military NFA Listing

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of Military sites including open and closed bases and Former Used Defense Sites. The confirmed or unconfirmed releases have been cleaned up and the case has received No Further Action.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-Military-Other

EnviroStor Database Military Other Listing

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of Military sites including open and closed bases and Former Used Defense Sites.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 1 mile

Sites:

None Found

Cal-School-Active

EnviroStor Database School Active Listing

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-School-NFA

EnviroStor Database School NFA Listing

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. These particular cases have now received a No Further Action.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-School-Other

EnviroStor Database School Other Listing

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-State-Response-Active

EnviroStor Database Superfund Other Listing

Category: State/Tribal NPL

Description: This database contains a listing of State Response Active sites. These sites are 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.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 1 mile

Sites:

None Found

Cal-State-Response-NFA

EnviroStor Database State Response NFA Listing

Category: State/Tribal NPL

Description: This database contains a listing of State Response Sites. These sites are confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These particular cases have now received No Further Action.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-State-Response-Other

EnviroStor Database State Response Other Listing

Category: State/Tribal NPL

Description: This database contains a listing of State Response Sites. These sites are 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.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-Superfund-Active

BEAP

Category: State/Tribal CERCLIS Equivalent

Description: This database contains a listing of Federal Superfund Sites identified by the U.S. EPA where the DTSC is actively involved, either in a lead or support capacity, in the investigation and/or remediation currently in progress.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 1 mile

Sites:

None Found

Cal-Superfund-NFA

EnviroStor Database Superfund NFA Listing

Category: State/Tribal CERCLIS Equivalent

Description: This database contains a listing of Federal Superfund Sites identified by the U.S. EPA where the DTSC is actively involved, either in a lead or support capacity in the investigation and/or remediation currently in progress. These particular cases have now received No Further Action.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 1 mile

Sites:

None Found

Cal-Superfund-Other

EnviroStor Database Superfund Other Listing

Category: State/Tribal CERCLIS Equivalent

Description: This database contains a listing of Federal Superfund Sites identified by the U.S. EPA where DTSC is actively involved, either in a lead or support capacity in the investigation and/or remediation currently in progress.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 1 mile

Sites:

None Found

Cal-VCP-Active

EnviroStor Database VCP Active Listing

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of sites with either confirmed or unconfirmed releases, and the project proponents have requested that DTSC oversee evaluation, investigation, and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-VCP-NFA

EnviroStor Database VCP NFA Listing

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of sites where the confirmed or unconfirmed releases have been cleaned up and have been reported as receiving No Further Action.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Cal-VCP-Other

EnviroStor Database VCP Other Listing

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of sites with either confirmed or unconfirmed releases, and the project proponents have requested that DTSC oversee evaluation, investigation, and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Agency: California Department of Toxic Substances Control

Phone Number: 9163233400

Date last updated: 10/2/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

CBF-CA

Considered Brownfield Sites

Category: State/Tribal ASTM Other

Description: This database contains facilities that are considered Brownfields reported by the State Waster Resource Controls Board.

Agency: State Waster Resource Controls Board

Phone Number: 9163237905

Date last updated: 9/17/2015

Date last checked: 9/15/2015

Distance searched: 0.5 miles

Sites:

None Found

CERCLIS-Archived-US

CERCLIS sites that have been archived

Category: Federal CERCLIS NFRAP

Description: This database contains a listing of Archived CERCLIS sites. The Archive designation means that assessment at a site has been completed and EPA has determined no steps will be taken to designate the site as a priority by listing it on the National Priorities List (NPL). No further remedial action is planned for these sites under the Superfund Program.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/15/2015

Date last checked: 9/15/2015

Distance searched: 0.5 miles

Sites:

None Found

CERCLIS-US

Comprehensive Environmental Response, Compensation, and Liability Information System

Category: Federal CERCLIS

Description: CERCLIS is the Comprehensive Environmental Response, Compensation, and Liability Information System. CERCLIS contains information on hazardous waste sites, potential hazardous waste sites, and remedial activities across the nation, including sites that are on the National Priorities List (NPL) or being considered for the NPL. This database contains a listing of NPL Sites.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/15/2015

Date last checked: 9/15/2015

Distance searched: 0.5 miles

Sites:

None Found

CHMIRS-CA

California Hazardous Material Incident Report System

Category: Emergency Release Reports

Description: This database contains California's Haz Mat spill notifications reported to the California Office of Emergency Service.

Agency: Governor's Office of Emergency Service

Phone Number: 9168458768

Date last updated: 9/29/2015

Date last checked: 9/18/2015

Distance searched: 0.063 miles

Sites:

None Found

City-AST-CA

Underground Storage Tanks

Category: State/Tribal UST

Description: This database contains registered Aboveground Storage Tanks reported by city agencies. The following is contact information for the respective cities:

Alameda, Union City: 510-567-6704
Alameda, Hayward City: 510 583-4924
Alameda, San Leandro City: 510-577-3401

Agency: Local City Agencies
Phone Number: 7146698096
Date last updated: 3/18/2015
Date last checked: 3/16/2015
Distance searched: 0.25 miles

Sites:
None Found

City-CUPA-CA

Certified Unified Program Agency

Category: State/Tribal ASTM Other

Description: The records in this database come from city CUPA listings. The CUPA program provides oversight for the following statewide environmental programs: Hazardous Waste, Hazardous Materials Business Plan, California Release Prevention Program, UST, AST, Onsite Hazardous Waste Treatment. The following is contact information for the respective CUPA cities:

Alameda, Union City: (510) 675-5367
Alameda, San Leandro City: (510) 577-3401
Alameda, Hayward City: (510) 583-4924
Sonoma, Santa Rosa City: (707) 543-3537
Sonoma, Healdsburg City: (707) 431-3125
Sonoma, Petaluma City: (707) 778-4389
Sonoma, Sebastopol City: (707) 431-3125

Agency: Local City Agencies
Phone Number: 7146698096
Date last updated: 9/23/2015
Date last checked: 9/1/2015
Distance searched: 0.25 miles

Sites:
None Found

City-Others-CA

Various City Files

Category: State/Tribal ASTM Other

Description: This database contains facilities reported by city agencies. Respective database/listing name is mentioned in the details section of the occurrence.

Santa Clara – San Jose City: 408-535-7694

Agency: Local City Agencies
Phone Number: 7146698096
Date last updated: 9/23/2015

Date last checked: 9/1/2015
Distance searched: 0.25 miles
Sites:
None Found

City-UST-CA

Underground Storage Tanks

Category: State/Tribal UST

Description: This database contains registered Underground Storage Tanks reported by city agencies. The following is contact information for the respective cities:

Alameda, Union City: 510-567-6704
Alameda, Berkeley City: 510-567-6704
Alameda, Hayward City: 510 583-4924
Alameda, San Leandro City: 510-577-3401
Los Angeles, El Segundo City: 310-524-2242
Los Angeles, Long Beach City: 562-570-4285
Los Angeles, Torrance City: 310-618-2872
Sonoma, Santa Rosa City: 707-565-6571
Kern, Bakersfield City: 661-862-8748

Agency: Local City Agencies

Phone Number: 7146698096

Date last updated: 9/23/2015

Date last checked: 9/1/2015

Distance searched: 0.25 miles

Sites:
None Found

Controls-CA

Calsites with Deed Restrictions or other Controls

Category: State/Tribal Inst/Eng Controls

Description: A deed restricted site is a property where DTSC has placed limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site. The DTSC Site Mitigation and Brownfield's 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. Not all deed restrictions are available at this time.

Agency: California Department of Toxic Substances Control

Phone Number: 9162553745

Date last updated: 9/29/2015

Date last checked: 9/18/2015

Distance searched: 0.5 miles

Sites:
None Found

Controls-RCRA-US

Federal RCRA with Controls

Category: Federal Inst/Eng Controls

Description: This database contains RCRA facilities that have Inst/Eng Controls placed on them as identified by the EPA.

Agency: Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/29/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Controls-US

Controls List

Category: Federal Inst/Eng Controls

Description: This database contains a listing of Voluntary Action Program Sites with Engineering Controls and/or Institutional Controls placed on them and were identified by the Environmental Protection Agency.

Agency: Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/15/2015

Date last checked: 9/15/2015

Distance searched: 0.5 miles

Sites:

None Found

CORTESE-CA

Cortese Hazardous Waste & Substances Sites List

Category: State/Tribal ASTM Other

Description: The Hazardous Waste and Substances Sites (Cortese) List. These sites are active or backlogged on remediation and may also be listed on other CA databases. The specific database type was done to comply with the California Environmental Quality Act.

Agency: California Department of Toxic Substances Control

Phone Number: 8007286942

Date last updated: 9/30/2015

Date last checked: 9/18/2015

Distance searched: 0.25 miles

Sites:

None Found

County-AST-CA

Aboveground Storage Tanks

Category: State/Tribal UST

Description: This database contains Aboveground Storage Tanks reported by county agencies in California. The following is contact information for the respective counties:

Amador: 209-223-6439

Contra Costa: 925-335-3200

Del Norte: 707-465-0426

Imperial: 760-352-0381

Lake: 707-263-1164

Mendocino: 707-234-6625

Merced: 209-381-1100

Mono: 760-924-1830

Napa: 707-253-4471

Orange: 714-433-6000

Placer: 530-745-2350

San Bernardino: 909-386-8400

San Joaquin: 209-468-3451

San Mateo: 650-372-6200

Sonoma: 707-565-1152

Sutter: 530-822-7400

Tuolumne: 209-533-5633

Yolo: 530-666-8646

Agency: Local County Agencies

Phone Number: 7146698096

Date last updated: 9/23/2015

Date last checked: 9/1/2015

Distance searched: 0.25 miles

Sites:

None Found

County-Hist-CA

Historic County Listings

Category: State/Tribal ASTM Other

Description: This database contains historic databases reported by county agencies.

San Diego: 619-505-6921

Agency: Local County Agencies

Phone Number: 7146698096

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

County-LUST-CA

Leaking Underground Storage Tanks

Category: State/Tribal LUST

Description: This database contains leaking underground storage tanks reported by county agencies in California. Either the reporting agency has not provided the status or the case has been referred to the SWRCB. The following is contact information for the respective counties:

Alameda: 510-567-6700

Riverside: 951 955-8980

San Joaquin: 209-468-3451

Sonoma: 707-565-6571

Stanislaus: 209-525-6700

Ventura: 805-654-2815

Agency: Local County Agencies

Phone Number: 7146698096

Date last updated: 9/23/2015

Date last checked: 9/1/2015

Distance searched: 0.5 miles

Sites:

None Found

County-LUST-Closed-CA

Leaking Underground Storage Tanks, Closed Cases

Category: State/Tribal LUST

Description: This database contains leaking underground storage tanks reported by county agencies in California. The following is contact information for the respective counties:

Alameda: 510-567-6700

Humboldt: 707-268-2212

Napa: 707-253-4471

Riverside: 951 955-8980

San Mateo: 650-372-6200

Santa Clara: 408-918-3400

Sonoma: 707-565-6571

Orange: 714-433-6000

San Diego: 858-505-6818

San Joaquin: 209-468-3451

Solano: 707-784-3314

Stanislaus: 209-525-6700

Tulare: 559-624-7419

Agency: Local County Agencies

Phone Number: 7146698096

Date last updated: 9/23/2015

Date last checked: 9/1/2015

Distance searched: 0.25 miles

Sites:

None Found

County-LUST-Open-CA

Leaking Underground Storage Tanks, Open Cases

Category: State/Tribal LUST

Description: This database contains leaking underground storage tanks reported by county agencies in California. The following is contact information for the respective counties:

Alameda: 510-567-6700

Humboldt: 707-268-2212

Napa: 707-253-4471

Riverside: 951 955-8980

San Mateo: 650-372-6200

Santa Clara: 408-918-3400

Sonoma: 707-565-6571

Orange: 714-433-6000

San Diego: 858-505-6818

San Joaquin: 209-468-3451

Solano: 707-784-3314

Stanislaus: 209-525-6700

Agency: Local County Agencies

Phone Number: 7146698096

Date last updated: 9/23/2015

Date last checked: 9/1/2015

Distance searched: 0.5 miles

Sites:

None Found

County-Others-CA

Various County Files

Category: State/Tribal ASTM Other

Description: This database contains facilities reported by county agencies. Respective database/listing name is mentioned in the details section of the occurrence.

Sacramento: 916-875-8484

San Joaquin: 209-468-3420

Ventura: 805-654-2815

Solano: 707-784-6765

Napa: 707-253-4471

Alameda: 510-567-6700

Placer: 530-745-2350

Contra Costa: 925-313-6636

San Bernardino: 909-386-8401

Riverside: 951-358-7018

Orange: 714-433-6000

Agency: Local County Agencies

Phone Number: 7146698096

Date last updated: 9/23/2015

Date last checked: 9/1/2015

Distance searched: 0.25 miles

Sites:

None Found

County-SLIC-Closed-CA

County SLIC Sites

Category: Emergency Release Reports

Description: This database contains SLIC sites reported by county agencies. The following is contact information for the respective counties:

Alameda: 510-567-6700

Agency: Local County Agencies

Phone Number: 7146698096

Date last updated: 9/23/2015

Date last checked: 9/1/2015

Distance searched: 0.25 miles

Sites:

None Found

County-SLIC-Open-CA

County SLIC Sites

Category: Emergency Release Reports

Description: This database contains SLIC sites reported by county agencies. The following is contact information for the respective counties:

Alameda: 510-567-6700

Agency: Local County Agencies

Phone Number: 7146698096

Date last updated: 9/23/2015

Date last checked: 9/1/2015

Distance searched: 0.5 miles

Sites:

None Found

County-SML-CA

County Site Mitigation Unit List

Category: State/Tribal ASTM Other

Description: This database contains sites listed by the Site Mitigation Unit program at various county agencies. The following is contact information for the respective counties:

Santa Barbara: 805-346-8359

Santa Cruz: 831-454-2761

Solano: 707-784-6765

Agency: Local County Agencies

Phone Number: 7146698096

Date last updated: 5/18/2015

Date last checked: 4/6/2015

Distance searched: 0.5 miles

Sites:

None Found

County-SWF-CA

County Solid Waste Facilities

Category: State/Tribal Landfill/Solid Waste

Description: This database contains a listing of solid waste facilities reported by county agencies. The following is the contact information for the respective counties:

Alameda: 510-567-6790

Los Angeles: 888-253-2652

Napa: 707-253-4471

San Diego: 858-694-2801

Agency: Local County Agencies

Phone Number: 7146698096

Date last updated: 9/25/2015

Date last checked: 9/1/2015

Distance searched: 0.5 miles

Sites:

None Found

County-UST-CA

Underground Storage Tanks

Category: State/Tribal UST

Description: This database contains registered Underground Storage Tanks reported by county agencies. The following is contact information for the respective counties:

Amador: 209-223-6439

Contra Costa: 925-335-3200

Del Norte: 707-465-0426

Humboldt: 707-268-2204

Imperial: 760-352-0381

Kern: 661-862-8748

Lake: 707-263-1164

Marin: 415-473-7085

Merced: 209-381-1100

Mendocino: 707-234-6625

Mono: 760-924-1830

Napa: 707-253-4471

Orange: 714-433-6000

Placer: 530-745-2350

Riverside: 951 955-8980

San Bernardino: 909-386-8400

San Joaquin: 209-468-3451

San Mateo: 650-372-6200

Solano: 707-784-6765

Sonoma: 707-565-6571

Sutter: 530-822-7400

Tuolumne: 209-533-5633

Ventura: 805-654-2815

Yolo: 530-666-8646

Agency: Local County Agencies

Phone Number: 7146698096

Date last updated: 9/23/2015

Date last checked: 9/1/2015

Distance searched: 0.25 miles

Sites:

None Found

CUPA-CA

Certified Unified Program Agency

Category: State/Tribal ASTM Other

Description: The records in this database come from county CUPA listings. The CUPA program provides oversight for the following statewide environmental programs: Hazardous Waste, Hazardous Materials Business Plan, California Release Prevention Program, UST, AST, Onsite Hazardous Waste Treatment. The following is contact information for the respective CUPA counties:

Alpine: (530) 694-2235

Amador: 209-223-6439

Butte: (530) 538-7281

Colusa: (530) 458-0395

Del Norte: (707) 465-0426

El Dorado: (530) 621-5300

Fresno: (559) 600-3271

Humboldt: (707) 445-6215

Imperial: (760) 352-0381

Inyo: (760) 878-0238

King: (559) 584-1411

Lake: 707-263-1164

Madera: (559) 675-7823

Marin: 415-473-7085

Merced: (209) 381-1100

Mono: (760) 924-1830

Monterey: (831) 755-4511

Nevada: (530) 265-7134

San Bernardino: (909) 386-8401

San Diego: (858) 505-6880

San Luis Obispo: (805) 781-5544

Santa Clara: (408) 918-3400

Santa Cruz: (831) 454-2022

Shasta: (530) 225-5787

800-377-2430

www.RecCheck.com

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Solano: (707) 784-3314
 Sonoma: (707) 565-1152
 Sutter: (530) 822-7400
 Tuolumne: (209) 533-5633
 Ventura: (805) 654-2823
 Yuba: (530) 749-5450

Agency: Local County Agencies
Phone Number: 7146698096
Date last updated: 9/23/2015
Date last checked: 7/31/2015
Distance searched: 0.25 miles

Sites:

SAFeway STORE #2669	MapID: 1	Listed
CARMEL SHELL**CLOSED**	MapID: 3	Listed
CARMEL CENTER SHELL	MapID: 3	Listed
RIO ROAD ARCO #2161	MapID: 3	Listed
CROSSROADS CLEANERS**CLOSED**	MapID: 5	Listed

Debris-US

Debris Sites

Category: Federal Solid Waste

Description: This database contains the Torres Martinez Reservation Illegal dump sites reported by the United States Environmental Protection Agency.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Delisted-NPL-US

Delisted NPL Sites

Category: Federal Delisted NPL

Description: This database contains a listing of Delisted NPL sites. These are facilities that have been removed from the NPL list. The EPA may delete a final NPL site if it determines that no further response is required to protect human health or the environment.

Agency: Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 7/1/2015

Date last checked: 7/1/2015

Distance searched: 1 mile

Sites:

None Found

ENF-CA

Enforcement Actions Data

Category: State/Tribal ASTM Other

Description: This database contains facilities that have been assigned an Enforcement Action by the California State Water Resources Control Board.

Agency: California State Water Resources Control Board

Phone Number: 9163415808

Date last updated: 9/30/2015

Date last checked: 9/18/2015

Distance searched: 0.25 miles

Sites:

SAFEWAY

MapID: [4](#) Listed

ERNS-US

Emergency Response Notification System

Category: Federal ERNS

Description: The primary function of the National Response Center is to serve as the sole national point of contact for reporting all oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database contains a listing of discharge locations.

Agency: National Response Center

Phone Number: 8004248802

Date last updated: 3/2/2015

Date last checked: 7/8/2015

Distance searched: 0.063 miles

Sites:

None Found

FEMA-UST-US

FEMA Underground Storage Tanks

Category: Federal UST

Description: This database contains Federal Emergency Management Agency (FEMA) owned and operated underground storage tanks. The report was published in 2006.

Agency: Environmental Protection Agency

Phone Number: 7036037165

Date last updated: 9/4/2015

Date last checked: 5/15/2015

Distance searched: 0.25 miles

Sites:

None Found

FTTS-ENF-US

FIFRA/TSCA Tracking System (FTTS) Enforcement Actions

Category: Federal ASTM Other

Description: The FIFRA/TSCA Tracking System (FTTS) is a regional system used to track compliance activities such as inspections, case review, enforcement actions taken, samples collected, and pesticide grants and cooperative agreement information. The compliance monitoring and enforcement activities are tracked from the time an inspector conducts (or schedules) an inspection until the time the case is closed or the enforcement action is settled. Specific legal citations include, but are not limited to: Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), Toxic Substances Control Act (TSCA), and Emergency Planning and Community Right-to-Know Act (EPCRA).

Agency: United States Environmental Protection Agency

Phone Number: 2025642501

Date last updated: 7/10/2014

Date last checked: 5/4/2015

Distance searched: 0.063 miles

Sites:

None Found

HazWaste-CA

Hazardous Waste Sites

Category: State/Tribal ASTM Other

Description: This database contains a listing of Hazardous Waste Sites tracked by DTSC. The majority of the sites are no longer in operation.

Agency: California Department of Toxic Substance Control

Phone Number: 9163233400

Date last updated: 9/30/2015

Date last checked: 9/18/2015

Distance searched: 0.25 miles

Sites:

None Found

Hist-Controls-CA

Previous Restricted Use Sites

Category: State/Tribal Inst/Eng Controls

Description: This database contains a listing of previous (historical) restricted use sites where DTSC placed limits or requirements on future use of the property.

Agency: Department of Toxic Substances Control

Phone Number: 9162553745

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Hist-Cort-CA

Hist Cortese list

Category: State/Tribal ASTM Other

Description: This database contains historical cortese listings reported by the California State Water Resource Control Board.

Agency: California State Water Resource Control Board.

Phone Number: 8007286942

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Dumps-US

Dumps Inventory of 1985

Category: Federal Solid Waste

Description: This database contains Dumps as reported on the Inventory of Open Dumps from 1985. This report was published by the Office of Solid Waste, EPA.

Agency: Environmental Protection Agency

Phone Number: 2025660200

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

HIST-R4-CA

Historical sites

Category: State/Tribal ASTM Other

Description: This database contains a listing of Historical sites in Los Angeles Region reported by Los Angeles Regional Water Quality Control Board.

Agency: Los Angeles Regional Water Quality Control Board

Phone Number: 2135766725

Date last updated: 5/16/2014

Date last checked: 5/12/2014

Distance searched: 0.25 miles

Sites:

None Found

Hist-SWF-CA

Previous listed Solid Waste Facilities

Category: State/Tribal Landfill/Solid Waste

Description: This database contains a listing of previous listed active sites that may no longer be active as reported by the California Department of Toxic and Substance Control.

Agency: California Department of Toxic and Substance Control

Phone Number: 9163233400

Date last updated: 5/8/2014

Date last checked: 5/8/2014

Distance searched: 0.5 miles

Sites:

None Found

Hist-US-EC**Engineering Controls Sites List**

Category: Federal Inst/Eng Controls

Description: This database contains a listing of Voluntary Action Program Sites with Engineering Controls placed on them and were identified by the Environmental Protection Agency.

Agency: Environmental Protection Agency

Phone Number: 8004249346

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Hist-US-IC**Sites with Institutional Controls**

Category: Federal Inst/Eng Controls

Description: This database contains a listing of Voluntary Action Program Sites with Institutional Controls placed on them and were identified by the Environmental Protection Agency.

Agency: Environmental Protection Agency

Phone Number: 8004249346

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Hist-UST-CA**Historical Underground Storage Tanks**

Category: State/Tribal UST

Description: The California State Water Resources Control Board maintained the Hazardous Substances Storage Container Information on file. This is a database that is considered historical by RWQCB as historical and no longer updated.

Agency: California State Water Resources Control Board

Phone Number: 9163415851

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

RIO ROAD ARCO

MapID: [3](#) Listed

RIO ROAD ARCO

MapID: [3](#) Listed

Hist-WIP-Active-CA

Well Investigation Program Case List, Active Sites

Category: State/Tribal ASTM Other

Description: The Los Angeles Regional Water Quality Control Board maintains a listing under the San Gabriel-San Fernando Valley Cleanup Programs (Case List). The Well Investigation Program tracks these sites. These records are active and also on the California SLIC database. This database is no longer updated.

Agency: Los Angeles Regional Water Quality Control Board

Phone Number: 2135766725

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Hist-WIP-Backlog-CA

Well Investigation Program Case List, Backlog Sites

Category: State/Tribal ASTM Other

Description: The Los Angeles Regional Water Quality Control Board maintains a listing under the San Gabriel-San Fernando Valley Cleanup Programs (Case List). The records on this database have not been currently assigned to a staff member and/or has very low priority in terms of contamination. This database is no longer updated.

Agency: Los Angeles Regional Water Quality Control Board

Phone Number: 2135766725

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Hist-WIP-Historical-CA

Well Investigation Program Case List, Historical Sites

Category: State/Tribal ASTM Other

Description: The Los Angeles Regional Water Quality Control Board maintains a listing under the San Gabriel-San Fernando Valley Cleanup Programs (Case List). The records in this database have received a No Further Action Letter. This database is no longer updated.

Agency: Los Angeles Regional Water Quality Control Board

Phone Number: 2135766725

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

HMIS-US

Hazardous Materials Information System

Category: Federal Emergency Release Reports

Description: Data includes spills, releases, or other incidents involving hazardous materials in commerce during the course of transportation. All modes of transportation are included except pipeline and bulk marine transportation. Data represent a census of all incidents reportable to the U.S. Department of Transportation This database contains a listing of spills. (DOT). U.S. federal regulations require all spills meeting the following criteria to be reported, in writing, to DOT's Office of Hazardous Materials Safety.

Agency: US Department of Transportation Pipeline and Hazardous Materials Safety Administration

Phone Number: 2023664433

Date last updated: 9/1/2015

Date last checked: 7/8/2015

Distance searched: 0.063 miles

Sites:

None Found

HWIS-CA

Hazardous Waste Information Summary

Category: State/Tribal RCRA Equivalent

Description: The Hazardous Waste Summary Report (formerly the Tanner Report) is prepared from data extracted from the copies of hazardous waste manifests received each year by DTSC. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments. This database contains a listing of facilities extracted from the data.

Agency: California Department of Toxic Substances Control

Phone Number: 9162553745

Date last updated: 9/21/2015

Date last checked: 9/21/2015

Distance searched: 0.063 miles

Sites:

None Found

Land-Disposal-CA

Land Disposal-Landfill

Category: State/Tribal Landfill/Solid Waste

Description: This database contains a listing of Land Disposal Sites managed by RWQCB. Cleanup status is included on data.

Agency: California Regional Water Quality Control Board

Phone Number: 9163415455

Date last updated: 10/1/2015

Date last checked: 9/18/2015

Distance searched: 0.5 miles

Sites:

None Found

Liens-CA

California Liens

Category: State/Tribal Inst/Eng Controls

Description: This database identifies sites that have liens reported by the California Department of Toxic and Substance Control.

Agency: California Department of Toxic and Substance Control.

Phone Number: 9163233400

Date last updated: 9/29/2015

Date last checked: 9/17/2015

Distance searched: 0.063 miles

Sites:

None Found

LIENS-US

Federal LIEN Sites

Category: Federal Inst/Eng Controls

Description: This database contains sites that have had Federal Liens filed on them as reported by the EPA.

Agency: U.S. Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/15/2015

Date last checked: 9/15/2015

Distance searched: 0.063 miles

Sites:

None Found

LUST-Closed-CA

Leaking Underground Storage Tanks, Closed Cases

Category: State/Tribal LUST

Description: The California State Water Resources Control Board's Underground Storage Tank Program keeps a list of all underground storage tanks which have been reported as having had a release. This subset of sites are those that have received closure and now have a status of Case Closed. This database contains a listing of these facilities.

Agency: California State Water Resources Control Board

Phone Number: 9163415808

Date last updated: 10/1/2015

Date last checked: 9/18/2015

Distance searched: 0.25 miles

Sites:

ARCOSERVICE STATION #2161

MapID: [3](#) Completed - Case Closed

LUST-Open-CA

Leaking Underground Storage Tanks, Open Cases

Category: State/Tribal LUST

Description: The California State Water Resources Control Board's Underground Storage Tank Program keeps a list of all underground storage tanks which have been reported as having had a release. This subset of sites are those that have not yet been cleaned up and now have a status of Case Open.

Agency: California State Water Resources Control Board

Phone Number: 9163415808

Date last updated: 10/1/2015

Date last checked: 9/18/2015

Distance searched: 0.5 miles

Sites:

None Found

Manifest2-NY

Hazardous Waste Manifest

Category: State/Tribal RCRA Equivalent

Description: The New York Department of Environmental Conservation, Hazardous Waste Manifest System lists sites from all over the country, not just New York. To be thorough, ERS has searched the data subset that includes New Hampshire sites for listings on or near the subject site that are listed in the New York Department of Environmental Conservation, Hazardous Waste Manifest System.

Agency: New York State Department of Environmental Conservation

Phone Number: 5184028730

Date last updated: 12/9/2014

Date last checked: 12/5/2014

Distance searched: 0.063 miles

Sites:

None Found

Manifest2-RI

Hazardous Waste Manifest

Category: State/Tribal RCRA Equivalent

Description: The Rhode Island Department of Environmental Management, Hazardous Waste Manifest System lists sites from all over the country, not just Rhode Island. To be thorough, ERS has searched the data subset that includes New Hampshire sites for listings on or near the subject site that are listed in the Rhode Island Department of Environmental Management, Hazardous Waste Manifest System.

Agency: Rhode Island Department of Environmental Management

Phone Number: 4012222797

Date last updated: 12/16/2014

Date last checked: 12/16/2014

Distance searched: 0.063 miles

Sites:

None Found

NPL-US

National Priorities List

Category: Federal NPL

Description: The National Priorities List is the list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States and its territories. The NPL is intended primarily to guide the EPA in determining which sites warrant further investigation. This database contains a listing of NPL sites.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/15/2015

Date last checked: 9/15/2015

Distance searched: 1 mile

Sites:

None Found

PADS-US

PCB Registration Database System

Category: Federal ASTM Other

Description: This database contains a listing of generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Agency: Environmental Protection Agency

Phone Number: 2025660500

Date last updated: 8/4/2015

Date last checked: 7/27/2015

Distance searched: 0.063 miles

Sites:

None Found

PCB-US**PCB Transformers****Category:** Federal ASTM Other**Description:** PCB Transformer Registration Database. This database indicates the best known current status of registered PCB transformers**Agency:** U.S Environmental Protection Agency**Phone Number:** 7033088404**Date last updated:** 7/8/2015**Date last checked:** 7/8/2015**Distance searched:** 0.25 miles**Sites:**

None Found

PR-MOA-CA**Polanco Redevelopment****Category:** State/Tribal ASTM Other**Description:** This database contains the Polanco Redevelopment MOA sites reported by the Department of Toxic Substances Control.**Agency:** California Department of Toxic Substances Control**Phone Number:** 9162553586**Date last updated:** 10/1/2015**Date last checked:** 9/18/2015**Distance searched:** 0.25 miles**Sites:**

None Found

RCRA-CESQG-US**Resource Conservation and Recovery Act, Conditionally Exempt Small Quantity Generators****Category:** Federal RCRA Generators**Description:** The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner. This database contains a listing of Conditionally Exempt Small Quantity Generators.**Agency:** United States Environmental Protection Agency**Phone Number:** 8004249346**Date last updated:** 9/23/2015**Date last checked:** 9/16/2015**Distance searched:** 0.25 miles**Sites:**

None Found

RCRA-COR-US**Resource Conservation and Recovery Act - Corrective Actions**

Category: Federal RCRA CORRACTS

Description: The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner.

EPA estimates that between 50 and 70 percent of all TSDFs have some degree of environmental contamination requiring detailed investigation and perhaps cleanup. Under a program entitled Corrective Action, EPA has the statutory authority to require permitted and interim status TSDFs to clean up hazardous waste contamination. This database contains a listing of sites that have had corrective action.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/23/2015

Date last checked: 9/16/2015

Distance searched: 1 mile

Sites:

None Found

RCRA-LQG-US

Resource Conservation and Recovery Act, Large Quantity Generators

Category: Federal RCRA Generators

Description: The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner. This database contains a listing of Large Quantity Generators.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/23/2015

Date last checked: 9/16/2015

Distance searched: 0.25 miles

Sites:

SAFEWAY STORE NO 2669

MapID: [1](#) Listed

CVS PHARMACY NO 9612

MapID: [2](#) Listed

RCRA-NON-US

Resource Conservation and Recovery Act

Category: Federal RCRA Generators

Description: The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner. This database contains a listing of RCRA Non-Hazardous generators.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/23/2015

Date last checked: 9/16/2015

Distance searched: 0.25 miles

Sites:

None Found

RCRA-SQG-US

Resource Conservation and Recovery Act, Small Quantity Generators

Category: Federal RCRA Generators

Description: The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner. This database contains a listing of Small Quantity Generators.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/23/2015

Date last checked: 9/16/2015

Distance searched: 0.25 miles

Sites:

None Found

RCRA-TSD-US

Resource Conservation and Recovery Act - Treatment, Storage, and Disposal sites

Category: Federal RCRA non-CORRACTS TSD

Description: The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner.

This database contains a listing of Treatment, Storage and Disposal Facilities - Facilities that receive hazardous waste from generators or other facilities for treatment, storage or disposal of waste are known as TSDFs.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/23/2015

Date last checked: 9/16/2015

Distance searched: 0.5 miles

Sites:

None Found

SAA-Agreements-US

Sites with Superfund Alternative Approach Agreements

Category: Federal ASTM Other

Description: This database contains sites that have a Superfund Alternative agreement. The Superfund alternative (SA) approach uses the same investigation and cleanup process and standards that are used for sites listed on the NPL. The SA approach is an alternative to listing a site on the NPL; it is not an alternative to Superfund or the Superfund process.

Agency: Environmental Protection Agency

Phone Number: 2025645110

Date last updated: 7/27/2015

Date last checked: 7/27/2015

Distance searched: 1 mile

Sites:

None Found

SLIC-Closed-CA

The Spills, Leaks, Investigation & Cleanup, Closed Cases

Category: Emergency Release Reports

Description: The Spills, Leaks, Investigation & Cleanup (SLIC) Program deals with site investigation and corrective action involving sites not overseen by the Underground Tank Program and the Well Investigation Program. These particular sites have had all remediation completed and are now considered closed by the agency.

Agency: California State Water Resources Control Board

Phone Number: 9163415808

Date last updated: 10/1/2015

Date last checked: 9/18/2015

Distance searched: 0.5 miles

Sites:

SAFEWAY

MapID: [4](#) Completed - Case Closed

SLIC-CV-CLOSED-CA

List of Spills and Leak Sites

Category: Emergency Release Reports

Description: This database contains a List of Spill and Leak Sites (SL) and Department of Defense (DOD) and Department of Energy (DOE) cleanup cases in the central portion of the Central Valley Region as reported by the Central Valley Regional Quality Board. The database has not been updated since 2005

Agency: Central Valley Regional Quality Board

Phone Number: 9164644712

Date last updated: 5/26/2015

Date last checked: 5/26/2015

Distance searched: 0.5 miles

Sites:

None Found

SLIC-CV-OPEN-CA

List of Spills and Leak Sites

Category: Emergency Release Reports

Description: This database contains a List of Spill and Leak Sites (SL) and Department of Defense (DOD) and Department of Energy (DOE) cleanup cases in the central portion of the Central Valley Region as reported by the Central Valley Regional Quality Board. The database has not been updated since 2005.

Agency: Central Valley Regional Quality Board

Phone Number: 9164644712

Date last updated: 5/26/2015

Date last checked: 5/26/2015

Distance searched: 0.5 miles

Sites:

None Found

SLIC-Open-CA

The Spills, Leaks, Investigation & Cleanup, Open Cases

Category: Emergency Release Reports

Description: The Spills, Leaks, Investigation & Cleanup (SLIC) Program deals with site investigation and corrective action involving sites not overseen by the Underground Tank Program and the Well Investigation Program.

Agency: California State Water Resources Control Board

Phone Number: 9163415808

Date last updated: 10/1/2015

Date last checked: 9/18/2015

Distance searched: 0.5 miles

Sites:

None Found

SML-Closed-CA

Site Mitigation List

Category: State/Tribal ASTM Other

Description: This database contains sites listed by the Site Mitigation Unit program at the Los Angeles County Fire Department. SMU voluntary oversight and corrective action oversight programs are options in addition to DTSC and Regional Water Quality Control Board (RWQCB) oversight programs for residents and businesses of Los Angeles County seeking oversight in a cost effective and timely manner for cleanup of their contaminated properties.

Agency: Los Angeles County Fire Department

Phone Number: 3238904106

Date last updated: 8/10/2015

Date last checked: 8/10/2015

Distance searched: 0.5 miles

Sites:

None Found

SML-Open-CA

Site Mitigation List

Category: State/Tribal ASTM Other

Description: This database contains sites listed by the Site Mitigation Unit program at the Los Angeles County Fire Department. SMU voluntary oversight and corrective action oversight programs are options in addition to DTSC and Regional Water Quality Control Board (RWQCB) oversight programs for residents and businesses of Los Angeles County seeking oversight in a cost effective and timely manner for cleanup of their contaminated properties.

Agency: Los Angeles County Fire Department

Phone Number: 3238904106

Date last updated: 8/10/2015

Date last checked: 8/10/2015

Distance searched: 0.5 miles

Sites:

None Found

SML-Other-CA

Site Mitigation List

Category: State/Tribal ASTM Other

Description: This database contains sites listed by the Site Mitigation Unit program at the Los Angeles County Fire Department. SMU voluntary oversight and corrective action oversight programs are options in addition to DTSC and Regional Water Quality Control Board (RWQCB) oversight programs for residents and businesses of Los Angeles County seeking oversight in a cost effective and timely manner for cleanup of their contaminated properties.

Agency: Los Angeles County Fire Department

Phone Number: 3238904106

Date last updated: 8/10/2015

Date last checked: 8/10/2015

Distance searched: 0.5 miles

Sites:

None Found

SWIS-CA

Solid Waste Information System

Category: State/Tribal Landfill/Solid Waste

Description: The Solid Waste Information System (SWIS) database contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites. Includes basic information on each facility in the database such as site, enforcement agency, operator, land owner, throughput, capacity, acreage, permit date, waste types, activity type, regulatory status and operational status.

Agency: California Department of Resources Recycling and Recovery

Phone Number: 9163416320

Date last updated: 10/1/2015

Date last checked: 9/18/2015

Distance searched: 0.5 miles

Sites:
None Found

SWRCY-CA

Recycler Database

Category: State/Tribal ASTM Other

Description: A listing of all operational Recycling Centers identified by their Certification Number.

Agency: California Department of Resources Recycling and Recovery

Phone Number: 9163233836

Date last updated: 10/23/2015

Date last checked: 10/19/2015

Distance searched: 0.5 miles

Sites:
None Found

Tribal-BF-US

Tribal Brownfields

Category: Federal Brownfield

Description: This database contains a listing of Brownfields on Native American Land identified by the United States Environmental Protection Agency.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 5/16/2014

Date last checked: 5/16/2014

Distance searched: 0.5 miles

Sites:
None Found

Tribal-LUST-Closed-Reg9

Tribal Leaking Underground Storage Tanks

Category: Federal LUST

Description: This database contains a listing of Leaking Underground Storage Tanks on Native American Land identified by the United States Environmental Protection Agency in Region 9.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 6/16/2015

Date last checked: 6/16/2015

Distance searched: 0.5 miles

Sites:
None Found

Tribal-LUST-Open-Reg9

Tribal Leaking Underground Storage Tanks

Category: Federal LUST

Description: This database contains a listing of Leaking Underground Storage Tanks on Native American Land identified by the United States Environmental Protection Agency in Region 9.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 6/16/2015

Date last checked: 6/16/2015

Distance searched: 0.5 miles

Sites:

None Found

Tribal-ODI-US

Tribal Open Dump Sites

Category: Federal Solid Waste

Description: This database contains a listing of Open Dump Sites on Native American Land identified by the Indian Health Service

Agency: Indian Health Service

Phone Number: 3014431046

Date last updated: 7/27/2015

Date last checked: 7/27/2015

Distance searched: 0.5 miles

Sites:

None Found

Tribal-UST-Reg9

Tribal Underground Storage Tanks

Category: Federal UST

Description: This database contains a listing of Underground Storage Tanks on Native American Land identified by the United States Environmental Protection Agency in Region 9.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 6/16/2015

Date last checked: 6/16/2015

Distance searched: 0.25 miles

Sites:

None Found

Tribal-VCP-US

Tribal VCP

Category: Federal Tribal VCP

Description: This database contains voluntary cleanup sites located in tribal land as reported by the United States Environmental Protection Agency.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 9/24/2015

Date last checked: 9/24/2015

Distance searched: 0.5 miles

Sites:

None Found

UST-Abandoned-CA

Inventory of Abandoned Tank Sites

Category: State/Tribal UST

Description: This database contains an inventory of abandoned tank sites reported by the California State Water Resources Control Board.

Agency: California State Water Resources Control Board

Phone Number: 9163415808

Date last updated: 9/30/2015

Date last checked: 9/17/2015

Distance searched: 0.25 miles

Sites:

None Found

UST-CA

Underground Storage Tanks

Category: State/Tribal UST

Description: This database maintains permitted Underground Storage Tanks in CA.

Agency: California State Water Resources Control Board

Phone Number: 9163415808

Date last updated: 10/1/2015

Date last checked: 9/18/2015

Distance searched: 0.25 miles

Sites:

CARMEL SHELL

MapID: [3](#) Listed

UST-Cleanup-CA

UST Cleanup Fund Cases

Category: State/Tribal LUST

Description: This database contains leaking UST cases that have been recommended for closure under the State Water Board's authority to perform reviews of claims to the UST Cleanup Fund that have been open for 5 or more years (5 Year Review).

Agency: California State Water Resource Control Board

Phone Number: 9163415808

Date last updated: 9/17/2015

Date last checked: 9/17/2015

Distance searched: 0.5 miles

Sites:

None Found

UST-Closed-CA

Closure of Underground Storage Tank (UST) Cases

Category: State/Tribal UST

Description: This database contains UST tanks that have been closed as reported by the California State Water Resource Control Board.

Agency: California State Water Resource Control Board

Phone Number: 9163415808

Date last updated: 9/30/2015

Date last checked: 9/18/2015

Distance searched: 0.25 miles

Sites:

None Found

UST-Comp-CA

Compliance UST

Category: State/Tribal UST

Description: This database contains previously abandoned UST sites that are now in compliance as reported by the California State Water Resources Control Board.

Agency: California State Water Resources Control Board

Phone Number: 9163415808

Date last updated: 9/30/2015

Date last checked: 9/17/2015

Distance searched: 0.25 miles

Sites:

None Found

UST-Priority-CA

UST Cleanup Fund Priority List

Category: State/Tribal UST

Description: This database includes current cleanup cases that are listed on the Cleanup Fund Priority List. The Underground Storage Tank (UST) Cleanup Fund (Fund) provides a means for petroleum UST owners and operators to meet the federal and state requirements of maintaining financial responsibility to pay for any damages arising from their tank operations.

Agency: California State Water Resources Control Board

Phone Number: 9163415808

Date last updated: 10/20/2015

Date last checked: 9/30/2015

Distance searched: 0.5 miles

Sites:

ARCO #2161

MapID: [3](#) Listed

CHEVRON #9-8345

MapID: [6](#) Listed

UST-Proposed-CA

UST Proposed for Closure

Category: State/Tribal UST

Description: This database contains UST's that are being considered for closure by the SWRCB or the Executive Director.

Agency: California State Water Resources Control Board

Phone Number: 9163415808

Date last updated: 9/30/2015

Date last checked: 9/18/2015

Distance searched: 0.25 miles

Sites:

None Found

UN-MAPPABLE OCCURRENCES

The following occurrences were not mapped primarily due to incomplete or inaccurate address information. All of the following occurrences were determined to share the same zip code as the area searched. General status information is given with each occurrence along with any address information entered by the agency responsible for the list.

ID	Facility Name	Address	Database	Status
No "un-mapped" sites requested.				

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Preliminary Site Investigation (Phase II)

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July 29, 2016

Big Sur Land Trust
509 Hartnell Street
Monterey, California 93940

Subject: Limited Phase II Soil Investigation for property located at State Route 1 (Highway 1) from approximately postmile 71.9 to 72.3, APNs 243-071-003 (portion), 243-071-004 (portion), and 243-021-007 (portion), Carmel, California
EIS Project # 1567-2

Dear Big Sur Land Trust:

Environmental Investigation Services Inc. (EIS) has completed this Site Investigation Report for the subject property located at State Route 1 (Highway 1) from approximately Postmile 71.9 to 72.3, assessor parcel numbers (APNs) 243-071-003 (portion), 243-071-004 (portion), and 243-021-007 (portion), Carmel, California, hereafter called the subject property. The purpose of this investigation was to assess possible subsurface impacts in shallow site soil based on the former and present state highway use and former agricultural use of the property. A site overview map is presented on Figure 1 and a detailed site map showing exploratory soil boring and sample locations are shown on Figure 2.

I. BACKGROUND

A. Subject Property Background

EIS performed a Phase I Environmental Site Assessment on the subject property, dated January 29, 2016. The subject property is located on State Route 1 from approximately Postmile 71.9 to 72.3 in Carmel, California, comprised of portions of three individual parcels covering a total of ten acres. The highway is paved asphalt with dirt and gravel shoulders. The subject property area extends approximately 130 feet laterally on the east and west sides of Highway 1. The bridge spanning the Carmel River on Highway 1 bounds the northern portion of the subject property area. The section of the property on the west side of Highway 1 is comprised of undeveloped fields vegetated with brush and grass. The section of the property on the east side of Highway 1 includes a dirt road and a small section of a larger cattle grazing field. Odello Ranch marks the southern boundary. Highway 1 is elevated approximately six feet above the eastern and western sections of the property. In addition, the “active” Carmel River channel is located within 350 feet of the northern part of the property (Figure 2).

The historical review revealed that the subject property has been developed with Highway 1 since approximately 1934, and was previously developed with a smaller road. The western portion of the subject property has been undeveloped since the 2000s, and was previously developed as agricultural fields from at least the 1960s through 1990s. The eastern portion of the property is currently used for cattle pasture, and was previously used as agricultural fields since at least the 1960s through 1990s.

Environmental Investigation Services, Inc.
15951 Los Gatos Boulevard, Suite #17, Los Gatos CA 95032
Phone: (408) 402-9800 Fax: (408) 402-9830

B. Environmental Concerns

Highway 1 roadway use dates from at least 1934, with assumed aerially deposited lead (ADL) from automobile traffic leaded fuel use, representing a recognized environmental concern. The agricultural use of western and eastern sections of the property from roughly the 1960s through 1990s, with associated potential arsenic and residual pesticide impacts, represents a recognized environmental concern.

II. PHASE 2 LIMITED SOIL INVESTIGATION

The purpose of this Phase II Limited Investigation was to ascertain possible contaminant presence in site soil. The Phase II Limited Subsurface Investigation of the Site included the following tasks:

- Notified USA North, a private utility locator, and consulted with the property representative regarding all proposed boring locations to clear underground utilities.
- Prepared a sampling workplan and a Site Specific Health and Safety Plan for the planned sampling field activities.
- Obtained soil-boring permits from Monterey County Health Department, Environmental Health Bureau for regulatory approval and oversight.
- Drilled eight exploratory borings (SB-1 to SB-8) on the dirt shoulder along Highway 1. Advanced borings to a total depth of 3 feet below ground surface (ft. bgs), collecting soil samples at approximate depth intervals of 0-0.5 ft., 1.0-1.5 ft., and 2.5-3.0 ft. bgs.
- Drilled seven exploratory borings (SB-9 to SB-15) in the fields on the western section of the property and seven borings (SB-15 to SB-22) in the fields on the east side of the property. Advanced borings SB-9 through SB-22 to a total depth of 1.5 ft. bgs, collecting soils samples at depth intervals of 0-0.5 ft. and 1.0-1.5 ft. bgs.
- Transferred all soil samples to McCampbell Analytical, a California State certified laboratory, under chain of custody.
- Analyzed all soil samples collected from boring SB-1 through SB-8 for lead by EPA Method 6020.
- Analyzed soil samples collected from borings SB-2@3', SB-4@3', SB-6@0.5' for Soluble Threshold Limit Concentration (STLC), Deionized (DI) STLC, and Toxic Characteristic Leachate Procedure (TCLP) for lead, along with CAM 17 metals by EPA Method 6020, and pH by EPA Method 9045C.
- Analyzed soil samples collected from borings SB-8@0.5' for STLC, DI STLC, and TCLP for lead by EPA Method 6020, and pH by EPA Method 9045C.
- Analyzed shallow soil samples collected from borings SB-9 through SB-22 for arsenic by EPA method 6020 and organochlorine pesticides by EPA method 8081A. Held deeper samples from SB-9 through SB-22 pending analytical results of the shallow samples.
- Observed and logged soil conditions from each boring, noting any field evidence of potential contaminants (such as odors, staining or discoloration).

- All borings were sealed with hydrated bentonite or neat cement grout after sampling, placed from the bottom to top of each borehole per Monterey County soil boring permit requirements.
- Prepared this technical report to present field procedures, laboratory methods, analytical results, and investigation findings.

III. FIELD PROCEDURES

A. Boring Installation Methods

All exploratory soil borings were advanced using track-mounted limited access GeoProbe™ equipment on June 24th, 2016. EIS contracted with Environmental Control Associates (ECA) of Aptos, California, a C-57 licensed drilling company, to advance 22 temporary soil borings by hydraulically pushing the GeoProbe™ sampling device to the desired sampling depths. All reusable equipment was subject to a three-stage decontamination process following the completion of each borehole. Boring locations were positioned based on site accessibility and underground utility proximity. Final boring locations are shown on Figure 1.

Borings SB-1 through SB-8 were advanced along the dirt and gravel shoulder of Highway 1 to total depths of 3 ft. bgs. Borings SB-9 through SB-22 were installed throughout the fields on the west and east section of the subject property to total depths of 1.5 ft. bgs.

B. Soil Sampling Methods

All borings used the Geoprobe™ continuous core sampling device, advanced to the desired depths to recover soil cores from each boring. The sampler, which is equipped with a 2-inch diameter acetate liner, is capable of collecting a continuous soil core up to 4 feet long. After each sample drive, the sampler was removed from the borehole, the soil-filled acetate liner was removed, and the sampler was decontaminated and fitted with a new acetate liner. The sampler was then inserted back into the borehole and hydraulically pushed through the next sample depth interval.

Soil samples were continuously collected in acetate liners. Liners retained for chemical analysis were filled to minimum headspace, sealed with Teflon paper and endcaps, labeled with a unique number, logged onto a chain-of-custody form and placed in a chilled ice chest on crushed ice. Sample IDs were assigned based on boring designation and bottom of the sampling interval depth. For example, soil samples collected from SB-1 at intervals of 0-0.5 feet, 1-1.5 feet, and 2.5-3.0 feet were respectively designated SB-1@0.5', SB-1@1.5', and SB-1@3'.

Soil encountered in each borehole was logged using the Unified Soil Classification System (USCS), and for relative moisture content, field evidence of contaminants (odor, staining and discoloration), and other observable geologic characteristics. The exploratory borings logs are presented in Appendix A.

C. Completion Activities

All drill cuttings and equipment decontamination rinse water were stored in sealed labeled drums pending analysis and disposal. Upon completion of all sampling activities, the borings were backfilled to ground surface using hydrated bentonite or neat cement grout per Monterey County soil boring permit requirements. A Monterey County representative was onsite to observe borehole seals. Upon completion of all other field activities, EIS arranged with Integrated Wastestream Management, Inc. for disposal of drill cuttings from the borings and decontamination rinse water.

D. Subsurface Conditions

Native soils encountered in the borings primarily included silty sands and sandy silts with interspersed trace gravels. Groundwater was not encountered in any of the borings.

Borings SB-1 through SB-8 were advanced to a total depth of 3 ft. bgs; soil samples were collected at depths of 0-0.5 ft, 1.0-1.5 ft., and 2.5-3.0 ft. bgs. Borings SB-9 through SB-22 were advanced to a total depth of 1.5 ft. bgs; soil samples were collected from 0-0.5 ft. and 1.0-1.5 ft. bgs.

IV. ANALYTICAL RESULTS

A. Laboratory Analyses

All collected samples were transported to McCampbell Analytical Incorporated (a California state certified laboratory) in Pittsburg, California, for chemical analysis. Selected soil samples were analyzed for lead and arsenic by EPA 6020, CAM 17 metals by EPA Method 6020, organochlorine pesticides by EPA 8081A, and pH by EPA Method 9045C.

B. Soil Analytical Results

Analytical results for soil samples from borings SB-9@0.5' through SB-22@0.5' ft. revealed arsenic concentrations ranging from 1.5 to 4.2 mg/kg. Analytical results revealed concentrations of p,p-DDE at 0.039 mg/kg and p,p-DDT at 0.016 mg/kg in soil sample SB-21@0.5'. Laboratory analysis revealed concentrations of p,p-DDE at 0.044 mg/kg and p,p-DDT at 0.065 mg/kg in soil sample SB-22@0.5'. No other pesticides were detected in soil samples collected from borings SB-9 through SB-22.

Soil samples collected from borings SB-1 through SB-8 at depth intervals of 0-0.5 ft., 1-1.5 ft., and 2.5-3.0 ft. bgs were initially analyzed for lead by EPA Method 6020. Analytical results revealed detections of lead in all samples collected from borings SB-1 to SB-8 at concentrations ranging from 1.5 to 76 mg/kg.

Samples with the highest concentrations of lead (SB-2@3', SB-4@3', SB-6@0.5', and SB-8@0.5'; 63 to 76 mg/kg) were selected for STLC, TCLP, and pH analysis. Concentrations of STLC lead ranged from 0.033 to 3.4 milligrams per-liter (mg/L), while concentrations of TCLP lead ranged from <0.10 to 0.17 mg/L. The pH of the four samples ranged from 6.34 to 8.13.

Samples SB-2@3', SB-4@3', and SB-6@0.5' were also analyzed for CAM-17 metals by EPA method 6020. Analysis of the three samples revealed low detections of several metals at the following

concentration ranges: arsenic from 1.1 to 2.6 mg/kg, barium from 36 to 100 mg/kg, cadmium from <0.25 to 0.30 mg/kg, chromium from 6.7 to 27 mg/kg, cobalt from 2.6 to 9.6 mg/kg, copper from 9.7 to 57 mg/kg, molybdenum from 0.64 to 2.6 mg/kg, nickel from 5.2 to 20 mg/kg, selenium from <0.50 to 0.91 mg/kg, vanadium from 19 to 80 mg/kg, and zinc from 43 to 65 mg/kg.

Soil sample analytical data are summarized in Tables 1, 2 and 3. Laboratory certified analytical reports and chain-of-custody documents are included in Attachment B of this report.

V. DISCUSSION OF FINDINGS

Native soils encountered in the borings from near ground surface to depths of roughly 3 ft. bgs were primarily composed of silty sand and sandy silt with interspersed trace gravel. All borings were dry on completion. No odor or staining suggestive of potential contaminants was observed in any of the borings.

Concentrations of arsenic ranging from 1.1 to 4.2 mg/kg detected in soil samples SB-2, SB-4, SB-6, and SB-9 through SB-22 are within the threshold of background arsenic concentrations and interpreted as naturally present in this region (typically observed in the range of approximately 0.6 mg/kg to 11 mg/kg).

Concentrations of p,p-DDE and p,p-DDT detected in SB-21 and SB-22 were beneath the associated EPA CHHSLs and RWQCB ESLs for residential use. No other pesticides were detected in soil samples collected from SB-9 through SB-22.

Lead was detected at concentrations ranging from 1.5 to 76 mg/kg in soil samples collected from borings SB-1 through SB-8 at depth intervals of 0-0.5 ft., 1-1.5 ft., and 2.5-3 ft. bgs. All lead detections were beneath applicable residential RWQCB ESLs and EPA CHHSLs. Soil samples SB-2@3', SB-4@3', SB-6@0.5', and SB-8@0.5' contained the highest concentrations of lead, ranging from 63 to 76 mg/kg, and were subsequently analyzed for lead using STLC and TCLP methods. Lead concentrations following STLC extraction ranged from 0.033 to 3.4 mg/L. Lead concentrations following TCLP extraction ranged from <0.10 mg/L to 0.17 mg/L. None of the STLC or TCLP lead detections exceeded the hazardous waste limits for soluble lead (5.0 mg/L).

Analysis of samples SB-2@3', SB-4@3', and SB-6@0.5' revealed low concentrations of metals including barium, cadmium, chromium, cobalt, copper, molybdenum, nickel, selenium, vanadium, and zinc, none of which exceeded applicable EPA CHHSLs or RWQCB ESLs for residential use. The metal detections are interpreted within the naturally geologic background of metal concentrations of the region.

VI. CONCLUSIONS AND RECOMMENDATIONS

Based on field observations and analytical data, EIS concludes the following:

- Borings SB-1 through SB-22 were successfully drilled and sampled at the subject property on June 24, 2016.

- Analytical results revealed low concentrations of arsenic ranging from 1.5 to 4.2 mg/kg in soil samples collected from borings SB-9 through SB-22 at depth intervals of 0-0.5 ft. bgs. All arsenic detections are within the geologic background arsenic concentrations naturally present in this region (typically observed in the range of approximately 0.6 mg/kg to 11 mg/kg).
- Laboratory analysis of soil samples SB-9 through SB-22 revealed low to non-detectable concentrations of pesticides below EPA CHHSLs and RWQCB ESLs for residential use in all soil samples.
- Lead concentrations following STLC extraction ranged from 0.033 to 3.4 mg/L. Lead concentrations following TCLP extraction ranged from <0.10 mg/L to 0.17 mg/L. None of the STLC or TCLP lead detections exceeded the hazardous waste limits for soluble lead (5.0 mg/L).

EIS recommends the following:

- Lead was detected at concentrations ranging from 1.5 to 76 mg/kg in soil samples collected from borings SB-1 through SB-8 at depth intervals of 0-0.5 ft., 1-1.5 ft., and 2.5-3 ft. bgs. Lead detections were beneath applicable RWQCB ESLs and EPA CHHSLs for residential use. Four soil samples had lead concentrations exceeding the Monterey County Action Level (50 ppm). Results should be submitted to Monterey County within 30 days.

VII. LIMITATIONS

This report has been prepared specifically for the Big Sur land Trust in Carmel, California and was done according to the current State and local agency suggested guidance documents for these investigations. The interpretations, conclusions and recommendations made herein are based on the data and analysis for the soil and water samples collected on-site. Conditions of the property can change over time and the use of this report by third parties is entirely at their own risk.

The soil borings can only present information accurately on the area directly at the point of the boring. They give a general indication of the condition of the site, but will not serve as a basis for a guarantee of non-contamination of the site. The conclusions and professional opinions presented are developed in accordance with generally accepted practice as outlined in the guidelines of the California Regional Water Quality Control Board and/or other agencies for soil and groundwater sampling.

The chemical analysis results are based on data collected at the sampling locations only, therefore Environmental Investigation Services, Inc. cannot have complete knowledge of the underlying conditions. Conditions at the project site will change with time due to natural processes or the works of man. Accordingly, the findings of this report will apply to the present conditions only; the opinions expressed therein are subject to revisions in light of new information, and no warranties are expressed or implied therein.

Please note that reports of contamination must be submitted to the agencies in a timely manner. This report has been prepared for use solely of Big Sur Land Trust, our Client and County of Monterey and CalTrans, California Department of Transportation. This report shall not be relied upon by or transferred to any other party, or used for any other purpose, without the express written authorization of our Client. Environmental Investigation Services, Inc. is not responsible for errors neither in previous consultant's reports or contract laboratory analysis and reporting, nor for information not available, nor unreported or unknown sources of site contamination during the course of the study, and no warranty or guarantee is expressed or implied therein.

If you have any questions or comments regarding this report, please contact EIS at (408) 402-9800.

Sincerely,

Environmental Investigation Services, Inc.



Emlyn Stokes
Staff Geologist



Christopher M. Palmer, C. E. G. 1262
Senior Consulting Geologist



Attachments:

- Table 1 – Summary of Soil Sample Analytical Results – Lead
- Table 2 – Summary of Soil Sample Analytical Results – CAM17 Metals
- Table 3 – Summary of Soil Sample Analytical Results – Arsenic, Pesticides

- Figure 1 – Site Location
- Figure 2 – Soil Boring Locations

- Attachment A – Boring Logs
- Attachment B – Laboratory Report and Chain of Custody Documents

References:

Environmental Investigation Services, Inc., Phase I Environmental Site Assessment; Caltrans Right-of-way State Route 1 Postmile 71.9 to 72.3, Carmel, CA, EIS Project #1567-1, January 29, 2016.

Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region, Dylan Jacques Duvergé, San Francisco, California, December 2011.

Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States, 1984, U.S. Geological Survey Professional Paper 1270.

San Francisco Bay Regional Water Quality Control Board, User's Guide Derivation and Application of Environmental Screening Levels (ESLs), February 2016, 3rd revision.

Table 1 - Summary of Soil Sample Lead Analytical Data - Lead, pH
 Highway 1 - Postmile 71.9 to 72.3, Carmel, California

Sample Designation	Depth	Date	Lead ^a	Lead (DISTLC) ^b	Lead (STLC) ^c	Lead (TCLP) ^d	pH
SB-1	0-0.5'	6/24/2016	4.6	NA	NA	NA	NA
	1.0-1.5'	6/24/2016	6.2	NA	NA	NA	NA
	2.5-3.0'	6/24/2016	3.5	NA	NA	NA	NA
SB-2	0-0.5'	6/24/2016	5.6	NA	NA	NA	NA
	1.0-1.5'	6/24/2016	10	NA	NA	NA	NA
	2.5-3.0'	6/24/2016	76	0.033	2.4	0.17	8.13
SB-3	0-0.5'	6/24/2016	3.4	NA	NA	NA	NA
	1.0-1.5'	6/24/2016	3.3	NA	NA	NA	NA
	2.5-3.0'	6/24/2016	1.5	NA	NA	NA	NA
SB-4	0-0.5'	6/24/2016	9.5	NA	NA	NA	NA
	1.0-1.5'	6/24/2016	4.5	NA	NA	NA	NA
	2.5-3.0'	6/24/2016	71	0.073	3.4	0.17	7.48
SB-5	0-0.5'	6/24/2016	5.0	NA	NA	NA	NA
	1.0-1.5'	6/24/2016	14	NA	NA	NA	NA
	2.5-3.0'	6/24/2016	6.7	NA	NA	NA	NA
SB-6	0-0.5'	6/24/2016	75	0.15	2.9	<0.10	6.64
	1.0-1.5'	6/24/2016	9.6	NA	NA	NA	NA
	2.5-3.0'	6/24/2016	7.6	NA	NA	NA	NA
SB-7	0-0.5'	6/24/2016	43	NA	NA	NA	NA
	1.0-1.5'	6/24/2016	11	NA	NA	NA	NA
	2.5-3.0'	6/24/2016	8.0	NA	NA	NA	NA
SB-8	0-0.5'	6/24/2016	63	0.061	2.2	<0.10	6.34
	1.0-1.5'	6/24/2016	27	NA	NA	NA	NA
	2.5-3.0'	6/24/2016	4.8	NA	NA	NA	NA
EPA CHHSLs			80	--	--	--	--
RWQCB ESL			80	--	--	--	--

Notes:

Bold = results which are greater than the RWQCB ESLs and/or CHHSL:

^aLead analyzed by EPA method 6020, data in milligrams per kilogram (mg/kg)

^bLead analyzed by EPA method 6020 after Waste Extraction Test using DI water (DISTLC), results presented in milligrams per liter (mg/L)

^cLead analyzed by EPA method 6020 after Soluble Threshold Limit Concentration (STLC) Waste Extraction Test, results in mg/L

^dLead analyzed by EPA method 6020 after extraction by Toxic Characteristic Leachate Procedure (TCLP), results in mg/L

pH analyzed by method SW9045C

NA = not analyzed

RWQCB ESLs = Regional Water Quality Control Board Environmental Screening Levels (Rev. 3, Feb. 2016)

CHHSLs = California Human Health Screening Levels for Residential Land Use (2010)

Table 2 - Summary of Soil Sample Results for Metals Analysis
 Highway 1 - Postmile 71.9 to 72.3, Carmel, California

Sample Designation	Sample Depth	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
SB-2	2.5-3.0'	6/24/2016	<0.5	1.1	100	<0.5	<0.25	27	9.6	57	76	<0.05	0.64	20	<0.5	<0.5	<0.5	80	51
SB-4	2.5-3.0'	6/24/2016	<0.5	2.6	54	<0.5	0.26	9.6	3.0	9.7	71	<0.05	2.6	9.2	0.91	<0.5	<0.5	23	65
SB-6	0-0.5'	6/24/2016	<0.5	1.8	36	<0.5	0.30	6.7	2.6	12	75	<0.05	1.4	5.2	<0.5	<0.5	<0.5	19	43
RWQCB ESLs (Tier 1)			31	0.067	3,000	42	39	--	23	3,100	80	13	390	86	390	390	0.78	390	23,000
EPA CHHSLs (Residential)			30	0.07	5,200	16	1.7	--	660	3,000	80	18	380	1,600	380	380	5.0	530	23,000

Notes:

Soil sample results reported in milligrams per kilogram (mg/kg)

EPA Method 6020 for CAM-17 metals analysis

Bold = results which are greater than the CHHSLs/ESLs

CHHSLs = California Human Health Screening Levels for Residential Land Use (2010)

RWQCB ESLs = Regional Water Quality Control Board Environmental Screening Levels (Rev. 3, Feb. 2016)

ND = Not Detected

-- = Not Established

NA = Not Available

Table 3 - Summary of Soil Sample Arsenic and Presicide Analytical Data
Highway 1 - Milepost 71.9 to 72.3, Carmel, California

Sample Designation	Depth	Date	Arsenic	alpha-Chlordane	p,p-DDD	p,p-DDE	p,p-DDT	Dieldrin	Toxaphene	Other Organochlorine Pesticides ^a
SB-9	0-0.5'	6/24/2016	1.8	<0.02	<0.02	<0.02	<0.02	<0.02	<1.0	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-10	0-0.5'	6/24/2016	1.9	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-11	0-0.5'	6/24/2016	2.8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-12	0-0.5'	6/24/2016	2.7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-13	0-0.5'	6/24/2016	2.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-14	0-0.5'	6/24/2016	3.0	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-15	0-0.5'	6/24/2016	3.8	<0.02	<0.02	<0.02	<0.02	<0.02	<1.0	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-16	0-0.5'	6/24/2016	1.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-17	0-0.5'	6/24/2016	2.4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-18	0-0.5'	6/24/2016	3.6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-19	0-0.5'	6/24/2016	3.4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-20	0-0.5'	6/24/2016	3.6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.5	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-21	0-0.5'	6/24/2016	4.2	<0.01	<0.01	0.039	0.016	<0.01	<0.5	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
SB-22	0-0.5'	6/24/2016	3.9	<0.02	<0.02	0.044	0.065	<0.02	<1.0	ND
	1.0-1.5'	6/24/2016	NA	NA	NA	NA	NA	NA	NA	NA
CHHSLs: Residential Scenario ^b			0.07	0.43	2.3	1.6	1.6	0.035	0.46	--
RWQCB ESLs: Residential ^c			0.067	0.48	2.7	1.9	1.9	0.038	0.51	--

Notes:

Soil sample results reported in milligrams per kilogram (mg/kg)
EPA Method 6020 for Arsenic, 8081A for Organochlorine Pesticides
Bold = results which are greater than the CHHSLs

CHHSLs = California Human Health Screening Levels for Residential Land Use (2010)
RWQCB ESLs = Regional Water Quality Control Board Environmental Screening Levels (Rev. 3, Feb. 2016)

ND = Not Detected
-- = Not Established
NA = Not Available

^aSee analytical report in Attachment A for complete list of analytes and detection limits.



Basemap: GoogleEarthPro, Aerial Imagery: 4/13/2015

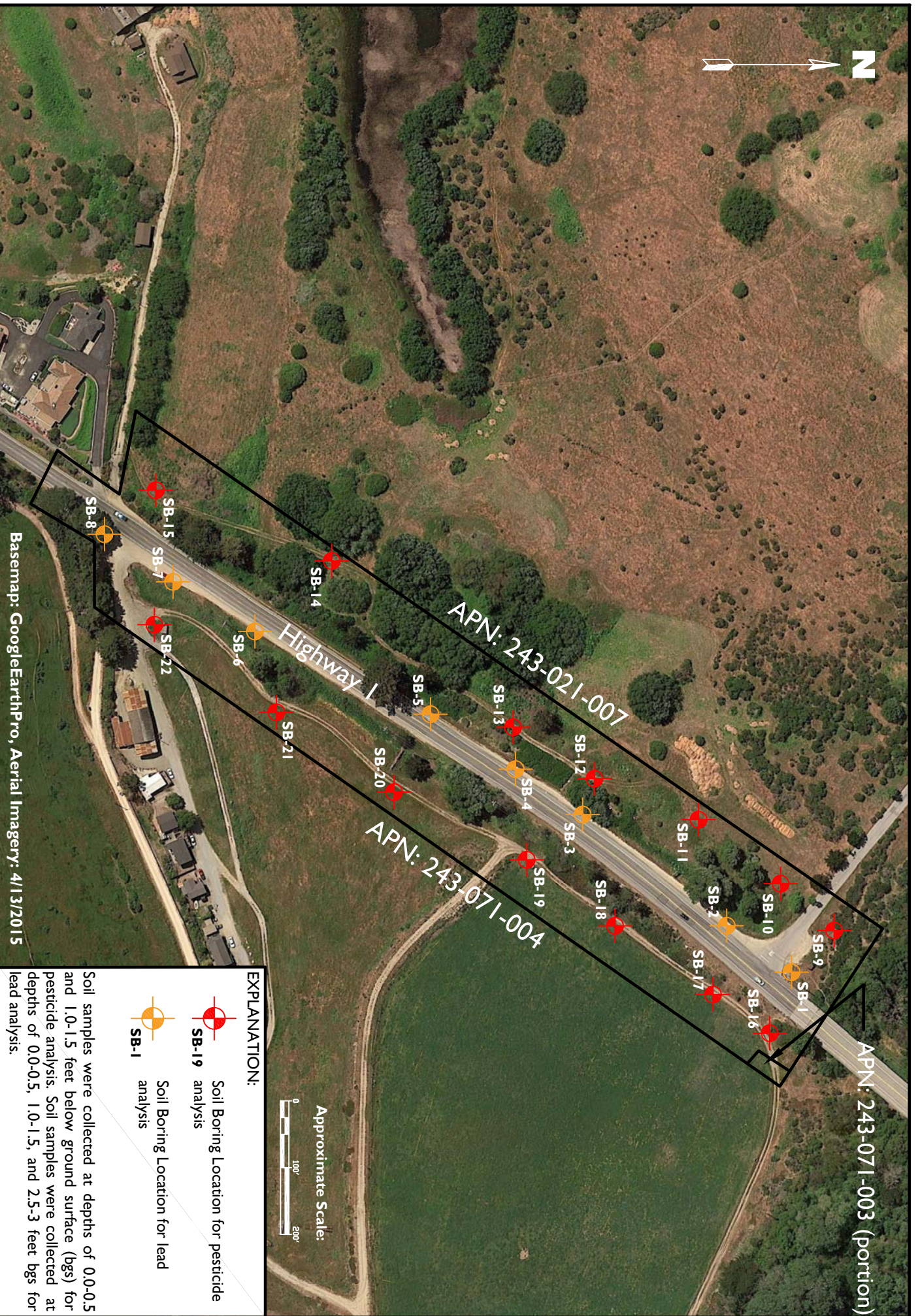
Environmental Investigation Services, Inc.
15951 Los Gatos Boulevard, Suite 17
Los Gatos, CA 95032
Ph: (408) 402-9800 Fax: (408) 402-9830





Site Location Plan

Colina Vista Property
Morgan Hill, California

Figure: 1
EIS Project: 1567-2
July 29, 2016



EXPLANATION:

-  Soil Boring Location for pesticide analysis
-  Soil Boring Location for lead analysis

Soil samples were collected at depths of 0.0-0.5 and 1.0-1.5 feet below ground surface (bgs) for pesticide analysis. Soil samples were collected at depths of 0.0-0.5, 1.0-1.5, and 2.5-3 feet bgs for lead analysis.

Soil Boring Location Plan

Highway 1 - Postmile 71.9 to 72.3
Carmel, California

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Figure: 2
EIS Project: 1567-2
July 29, 2016



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 3 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-1 @0.5'	9:50	3/3		SM		Silty SAND with gravel; dark grayish brown, 10YR 4/2; mostly SAND, fine to coarse; 20% SILT; 15% GRAVEL, sub-angular; loose; damp
1.0		SB-1 @1.5'	9:50					
2.0						SM-SP		Silty SAND; dark yellowish brown; 10YR 4/4; mostly SAND, fine to coarse, poorly graded; 15% SILT; <5% GRAVEL, sub-angular; loose; damp
3.0		SB-1 @3'	9:50					
4.0								TD = 3'
5.0								

Environmental Investigation Services, Inc.
 15951 Los Gatos Blvd, Suite 17
 Los Gatos, California 95032

Notes: Boring completed at 3 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 3 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-2 @0.5'	10:05	3/3		SM-SP		Silty SAND; yellowish brown, 10YR 5/6; mostly SAND, fine to coarse, poorly graded; 15% SILT; <5% GRAVEL, sub-angular; medium dense; damp
1.0		SB-2 @1.5'	10:05					
2.0								
3.0		SB-2 @3'	10:05					
4.0								TD = 3'
5.0								

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Notes: Boring completed at 3 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 3 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-3 @0.5'	10:34	3/3		SM-SP		Silty SAND; yellowish brown, 10YR 5/6; mostly SAND, fine to coarse, poorly graded; 15% SILT; medium dense; damp
1.0		SB-3 @1.5'	10:34					
2.0								
3.0		SB-3 @3'	10:34					
4.0								TD = 3'
5.0								

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Notes: Boring completed at 3 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 3 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-4 @0.5'	10:58	3/3		SM		Silty SAND with gravel; dark grayish brown, 10YR 4/2; mostly SAND, fine to coarse; 20% SILT; 15% GRAVEL, sub-angular; loose; damp
1.0		SB-4 @1.5'	10:58					
2.0						SM-SP		Silty SAND; dark yellowish brown; 10YR 4/4; mostly SAND, fine to coarse, poorly graded; 15% SILT; <5% GRAVEL, sub-angular; loose; damp
3.0		SB-4 @3'	10:58					
4.0								TD = 3'
5.0								

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 Los Gatos, California 95032

Notes: Boring completed at 3 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 3 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-5 @0.5'	10:46	3/3		SM		Silty SAND with gravel; dark grayish brown, 10YR 4/2; mostly SAND, fine to coarse; 20% SILT; 15% GRAVEL, sub-angular; loose; damp
1.0		SB-5 @1.5'	10:46					
2.0						ML		Sandy SILT; dark grayish brown, 10YR 4/2; 25% SAND, fine; <5% GRAVEL, sub-angular; loose; damp
3.0		SB-5 @3'	10:46					
4.0								TD = 3'
5.0								

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Notes: Boring completed at 3 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 3 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5072 SB:12

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-6 @0.5'	11:47	3/3		SM		Silty SAND with gravel; dark grayish brown, 10YR 4/2; mostly SAND, fine to coarse; 20% SILT; 15% GRAVEL, sub-angular; loose; damp
1.0		SB-6 @1.5'	11:47					
2.0						SM-SP		Silty SAND; light yellowish brown, 10YR 6/4; mostly SAND, fine, poorly graded; 20% SILT; cemented; medium dense; damp
3.0		SB-6 @3'	11:47					
4.0								TD = 3'
5.0								

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Notes: Boring completed at 3 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 3 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5072 SB:12

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-7 @0.5'	11:32	3/3		SM		Silty SAND with gravel; dark grayish brown, 10YR 4/2; mostly SAND, fine to coarse; 20% SILT; 15% GRAVEL, sub-angular; loose; damp
1.0		SB-7 @1.5'	11:32					
2.0						SM-SP		Silty SAND; light yellowish brown, 10YR 6/4; mostly SAND, fine, poorly graded; 20% SILT; cemented; medium dense; damp
3.0		SB-7 @3'	11:32					
4.0								TD = 3'
5.0								

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Notes: Boring completed at 3 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 3 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5072 SB:12

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-8 @0.5'	11:58	3/3		SM		Silty SAND; very dark brown, 10YR 3/2; mostly SAND, fine to coarse; 30% SILT; non-plastic; loose; damp
1.0		SB-8 @1.5'	11:58					
2.0								
3.0		SB-8 @3'	11:58					
4.0								TD = 3'
5.0								

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Notes: Boring completed at 3 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-9 @0.5'	14:53	1.5/1.5		SM		Silty SAND; brown, 10YR 4/3; mostly SAND, fine; 20% SILT; <5% GRAVEL; loose; non-cohesive; small roots; damp
1.0		SB-9 @1.5'	14:53					
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-10 @0.5'	13:52	1.5/1.5		SM		Silty SAND; brown, 10YR 5/3; 10% SILT; 10% GRAVEL; loose; small roots; damp
1.0		SB-10 @1.5'	13:52					
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-11 @0.5'	14:03	1.5/1.5		SM		Silty SAND; brown, 10YR 5/3; 15% SILT; 15% GRAVEL; medium dense; damp
1.0		SB-11 @1.5'	14:03					
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-12 @0.5'	14:09	1.5/1.5		SW	•••••	Well-graded gravelly SAND; brown, 10YR 4/3; 20% GRAVEL, fine to coarse, sub-angular; 5% SILT; medium dense; damp
1.0		SB-12 @1.5'	14:09				•••••	
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-13 @0.5'	14:18	1.5/1.5		SM		Silty SAND; brown, 10YR 5/3; 10% GRAVEL, fine, sub-angular; 15% SILT; loose; damp
1.0		SB-13 @1.5'	14:18					
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-14 @0.5'	14:26	1.5/1.5		SW	•••••	Well-graded gravelly SAND; brown, 10YR 4/3; 25% GRAVEL, fine to coarse, sub-angular, well-graded; 15% SILT; medium dense; damp
1.0		SB-14 @1.5'	14:26				•••••	
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5071 SB:10

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-15 @0.5'	14:32	1.5/1.5		SP	•••••	Poorly-graded gravelly SAND; brown, 10YR 5/3; 30% GRAVEL, coarse, sub-angular; 10% SILT; medium dense; damp
1.0		SB-15 @1.5'	14:32				•••••	
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5072 SB:12

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-16 @0.5'	12:50	1.5/1.5		SM		Silty SAND; brown, 10YR 5/3; mostly SAND, fine; 25% SILT; loose; non-cohesive; small roots; damp
1.0		SB-16 @1.5'	12:50					
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5072 SB:12

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-17 @0.5'	12:46	1.5/1.5		SM		Silty SAND; brown, 10YR 4/3; mostly SAND, fine; 20% SILT; <5% GRAVEL; loose; non-cohesive; small roots; damp
1.0		SB-17 @1.5'	12:46					
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5072 SB:12

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-18 @0.5'	12:33	1.5/1.5		SM		Silty SAND; brown, 10YR 4/3; mostly SAND, fine; 20% SILT; loose; non-cohesive; small roots; damp
1.0		SB-18 @1.5'	12:33					
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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 Los Gatos, California 95032

Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5072 SB:12

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-19 @0.5'	12:28	1.5/1.5		SM		Silty SAND; dark yellowish brown, 10YR 4/4; mostly SAND, fine; 35% SILT; loose; non-cohesive; small roots; damp to moist
1.0		SB-19 @1.5'	12:28					
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5072 SB:12

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-20 @0.5'	12:20	1.5/1.5		SM		Silty SAND; dark yellowish brown, 10YR 4/4; mostly SAND, fine; 35% SILT; loose; non-cohesive; small roots; damp to moist
1.0		SB-20 @1.5'	12:20					
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5072 SB:12

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-21 @0.5'	12:20	1.5/1.5		ML		Sandy SILT; brown, 10YR 4/3; 35% SAND, fine, poorly graded; loose; semi-cohesive; damp to moist
1.0		SB-21 @1.5'	12:20					
2.0								TD = 1.5'
3.0								
4.0								
5.0								

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Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



PROJECT NUMBER: 1567-2	BORING DIAMETER: 2 inches
PROJECT NAME: BSLT Carmel	TOTAL DEPTH: 1.5 feet
LOCATION: Postmile 71.9 to 72.3, Highway 1, Carmel, CA	STATIC WATER LEVEL (BGS): [-]
DRILLING COMPANY: ECA	FIRST GROUNDWATER ENCOUNTER: [-]
DRILLING METHOD: GeoProbe Direct Push (Limited Access)	SAMPLING EQUIPMENT: Macro-core
LOGGED BY: DR	DATE: 06/24/2016
REVIEWED BY: PG	PERMIT: HZ-5072 SB:12

DEPTH	SAMPLES	SAMPLE NUMBER	TIME	RECOVERY (FT/FT)	GROUNDWATER	SOIL TYPE	LITHOLOGY	DESCRIPTION
0.0		SB-22 @0.5'	12:08	1.5/1.5		ML		Sandy SILT; brown, 10YR 4/3; 30% SAND, fine, poorly graded; loose; semi-cohesive; damp
1.0		SB-22 @1.5'	12:08					
2.0								TD = 1.5'
3.0								
4.0								
5.0								

Environmental Investigation Services, Inc.
 15951 Los Gatos Blvd, Suite 17
 Los Gatos, California 95032

Notes: Boring completed at 1.5 ft. depth.
 Dry on completion.
 Reviewed by PG.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1606C71

Report Created for: Environmental Investigation Services, Inc.

15951 Los Gatos Blvd., Suite 17
Los Gatos, CA 95032

Project Contact: Peter Littman

Project P.O.:

Project Name: 1567-2; BSLT Caltrans Carmel

Project Received: 06/27/2016

Analytical Report reviewed & approved for release on 07/05/2016 by:

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Environmental Investigation Services, Inc.
Project: 1567-2; BSLT Caltrans Carmel
WorkOrder: 1606C71

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: Environmental Investigation Services, Inc.
Project: 1567-2; BSLT Caltrans Carmel
WorkOrder: 1606C71

Analytical Qualifiers

S Surrogate spike recovery outside accepted recovery limits
a3 sample diluted due to high organic content.
c1 surrogate recovery outside of the control limits due to the dilution of the sample.



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-9@0.5'	1606C71-025A	Soil	06/24/2016 14:53	GC23	122922

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.020	20	06/29/2016 04:31
a-BHC	ND	0.020	20	06/29/2016 04:31
b-BHC	ND	0.020	20	06/29/2016 04:31
d-BHC	ND	0.020	20	06/29/2016 04:31
g-BHC	ND	0.020	20	06/29/2016 04:31
Chlordane (Technical)	ND	0.50	20	06/29/2016 04:31
a-Chlordane	ND	0.020	20	06/29/2016 04:31
g-Chlordane	ND	0.020	20	06/29/2016 04:31
p,p-DDD	ND	0.020	20	06/29/2016 04:31
p,p-DDE	ND	0.020	20	06/29/2016 04:31
p,p-DDT	ND	0.020	20	06/29/2016 04:31
Dieldrin	ND	0.020	20	06/29/2016 04:31
Endosulfan I	ND	0.020	20	06/29/2016 04:31
Endosulfan II	ND	0.020	20	06/29/2016 04:31
Endosulfan sulfate	ND	0.020	20	06/29/2016 04:31
Endrin	ND	0.020	20	06/29/2016 04:31
Endrin aldehyde	ND	0.020	20	06/29/2016 04:31
Endrin ketone	ND	0.020	20	06/29/2016 04:31
Heptachlor	ND	0.020	20	06/29/2016 04:31
Heptachlor epoxide	ND	0.020	20	06/29/2016 04:31
Hexachlorobenzene	ND	0.20	20	06/29/2016 04:31
Hexachlorocyclopentadiene	ND	0.40	20	06/29/2016 04:31
Methoxychlor	ND	0.020	20	06/29/2016 04:31
Toxaphene	ND	1.0	20	06/29/2016 04:31

Surrogates	REC (%)	Limits	Date Analyzed
Decachlorobiphenyl	110	70-130	06/29/2016 04:31

Analyst(s): CK

Analytical Comments: a3

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-10@0.5'	1606C71-027A	Soil	06/24/2016 13:52	GC22	122922

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.010	10	07/01/2016 11:31
a-BHC	ND	0.010	10	07/01/2016 11:31
b-BHC	ND	0.010	10	07/01/2016 11:31
d-BHC	ND	0.010	10	07/01/2016 11:31
g-BHC	ND	0.010	10	07/01/2016 11:31
Chlordane (Technical)	ND	0.25	10	07/01/2016 11:31
a-Chlordane	ND	0.010	10	07/01/2016 11:31
g-Chlordane	ND	0.010	10	07/01/2016 11:31
p,p-DDD	ND	0.010	10	07/01/2016 11:31
p,p-DDE	ND	0.010	10	07/01/2016 11:31
p,p-DDT	ND	0.010	10	07/01/2016 11:31
Dieldrin	ND	0.010	10	07/01/2016 11:31
Endosulfan I	ND	0.010	10	07/01/2016 11:31
Endosulfan II	ND	0.010	10	07/01/2016 11:31
Endosulfan sulfate	ND	0.010	10	07/01/2016 11:31
Endrin	ND	0.010	10	07/01/2016 11:31
Endrin aldehyde	ND	0.010	10	07/01/2016 11:31
Endrin ketone	ND	0.010	10	07/01/2016 11:31
Heptachlor	ND	0.010	10	07/01/2016 11:31
Heptachlor epoxide	ND	0.010	10	07/01/2016 11:31
Hexachlorobenzene	ND	0.10	10	07/01/2016 11:31
Hexachlorocyclopentadiene	ND	0.20	10	07/01/2016 11:31
Methoxychlor	ND	0.010	10	07/01/2016 11:31
Toxaphene	ND	0.50	10	07/01/2016 11:31

Surrogates	REC (%)	Limits	Date Analyzed
Decachlorobiphenyl	111	70-130	07/01/2016 11:31

Analyst(s): CK

Analytical Comments: a3

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11@0.5'	1606C71-029A	Soil	06/24/2016 14:03	GC22	122922

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.010	10	07/01/2016 12:06
a-BHC	ND	0.010	10	07/01/2016 12:06
b-BHC	ND	0.010	10	07/01/2016 12:06
d-BHC	ND	0.010	10	07/01/2016 12:06
g-BHC	ND	0.010	10	07/01/2016 12:06
Chlordane (Technical)	ND	0.25	10	07/01/2016 12:06
a-Chlordane	ND	0.010	10	07/01/2016 12:06
g-Chlordane	ND	0.010	10	07/01/2016 12:06
p,p-DDD	ND	0.010	10	07/01/2016 12:06
p,p-DDE	ND	0.010	10	07/01/2016 12:06
p,p-DDT	ND	0.010	10	07/01/2016 12:06
Dieldrin	ND	0.010	10	07/01/2016 12:06
Endosulfan I	ND	0.010	10	07/01/2016 12:06
Endosulfan II	ND	0.010	10	07/01/2016 12:06
Endosulfan sulfate	ND	0.010	10	07/01/2016 12:06
Endrin	ND	0.010	10	07/01/2016 12:06
Endrin aldehyde	ND	0.010	10	07/01/2016 12:06
Endrin ketone	ND	0.010	10	07/01/2016 12:06
Heptachlor	ND	0.010	10	07/01/2016 12:06
Heptachlor epoxide	ND	0.010	10	07/01/2016 12:06
Hexachlorobenzene	ND	0.10	10	07/01/2016 12:06
Hexachlorocyclopentadiene	ND	0.20	10	07/01/2016 12:06
Methoxychlor	ND	0.010	10	07/01/2016 12:06
Toxaphene	ND	0.50	10	07/01/2016 12:06

Surrogates	REC (%)	Limits	Date Analyzed
Decachlorobiphenyl	113	70-130	07/01/2016 12:06

Analyst(s): CK

Analytical Comments: a3



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12@0.5'	1606C71-031A	Soil	06/24/2016 14:09	GC22	122922
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Aldrin	ND		0.010	10	07/01/2016 12:40
a-BHC	ND		0.010	10	07/01/2016 12:40
b-BHC	ND		0.010	10	07/01/2016 12:40
d-BHC	ND		0.010	10	07/01/2016 12:40
g-BHC	ND		0.010	10	07/01/2016 12:40
Chlordane (Technical)	ND		0.25	10	07/01/2016 12:40
a-Chlordane	ND		0.010	10	07/01/2016 12:40
g-Chlordane	ND		0.010	10	07/01/2016 12:40
p,p-DDD	ND		0.010	10	07/01/2016 12:40
p,p-DDE	ND		0.010	10	07/01/2016 12:40
p,p-DDT	ND		0.010	10	07/01/2016 12:40
Dieldrin	ND		0.010	10	07/01/2016 12:40
Endosulfan I	ND		0.010	10	07/01/2016 12:40
Endosulfan II	ND		0.010	10	07/01/2016 12:40
Endosulfan sulfate	ND		0.010	10	07/01/2016 12:40
Endrin	ND		0.010	10	07/01/2016 12:40
Endrin aldehyde	ND		0.010	10	07/01/2016 12:40
Endrin ketone	ND		0.010	10	07/01/2016 12:40
Heptachlor	ND		0.010	10	07/01/2016 12:40
Heptachlor epoxide	ND		0.010	10	07/01/2016 12:40
Hexachlorobenzene	ND		0.10	10	07/01/2016 12:40
Hexachlorocyclopentadiene	ND		0.20	10	07/01/2016 12:40
Methoxychlor	ND		0.010	10	07/01/2016 12:40
Toxaphene	ND		0.50	10	07/01/2016 12:40

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	<u>Date Analyzed</u>
Decachlorobiphenyl	114	70-130	07/01/2016 12:40

Analyst(s): CK

Analytical Comments: a3



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13@0.5'	1606C71-033A	Soil	06/24/2016 14:18	GC22	122922
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Aldrin	ND		0.010	10	07/01/2016 13:15
a-BHC	ND		0.010	10	07/01/2016 13:15
b-BHC	ND		0.010	10	07/01/2016 13:15
d-BHC	ND		0.010	10	07/01/2016 13:15
g-BHC	ND		0.010	10	07/01/2016 13:15
Chlordane (Technical)	ND		0.25	10	07/01/2016 13:15
a-Chlordane	ND		0.010	10	07/01/2016 13:15
g-Chlordane	ND		0.010	10	07/01/2016 13:15
p,p-DDD	ND		0.010	10	07/01/2016 13:15
p,p-DDE	ND		0.010	10	07/01/2016 13:15
p,p-DDT	ND		0.010	10	07/01/2016 13:15
Dieldrin	ND		0.010	10	07/01/2016 13:15
Endosulfan I	ND		0.010	10	07/01/2016 13:15
Endosulfan II	ND		0.010	10	07/01/2016 13:15
Endosulfan sulfate	ND		0.010	10	07/01/2016 13:15
Endrin	ND		0.010	10	07/01/2016 13:15
Endrin aldehyde	ND		0.010	10	07/01/2016 13:15
Endrin ketone	ND		0.010	10	07/01/2016 13:15
Heptachlor	ND		0.010	10	07/01/2016 13:15
Heptachlor epoxide	ND		0.010	10	07/01/2016 13:15
Hexachlorobenzene	ND		0.10	10	07/01/2016 13:15
Hexachlorocyclopentadiene	ND		0.20	10	07/01/2016 13:15
Methoxychlor	ND		0.010	10	07/01/2016 13:15
Toxaphene	ND		0.50	10	07/01/2016 13:15
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Decachlorobiphenyl	104		70-130		07/01/2016 13:15
Analyst(s): CK			Analytical Comments: a3		

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14@0.5'	1606C71-035A	Soil	06/24/2016 14:26	GC22	122922
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Aldrin	ND		0.010	10	07/02/2016 00:29
a-BHC	ND		0.010	10	07/02/2016 00:29
b-BHC	ND		0.010	10	07/02/2016 00:29
d-BHC	ND		0.010	10	07/02/2016 00:29
g-BHC	ND		0.010	10	07/02/2016 00:29
Chlordane (Technical)	ND		0.25	10	07/02/2016 00:29
a-Chlordane	ND		0.010	10	07/02/2016 00:29
g-Chlordane	ND		0.010	10	07/02/2016 00:29
p,p-DDD	ND		0.010	10	07/02/2016 00:29
p,p-DDE	ND		0.010	10	07/02/2016 00:29
p,p-DDT	ND		0.010	10	07/02/2016 00:29
Dieldrin	ND		0.010	10	07/02/2016 00:29
Endosulfan I	ND		0.010	10	07/02/2016 00:29
Endosulfan II	ND		0.010	10	07/02/2016 00:29
Endosulfan sulfate	ND		0.010	10	07/02/2016 00:29
Endrin	ND		0.010	10	07/02/2016 00:29
Endrin aldehyde	ND		0.010	10	07/02/2016 00:29
Endrin ketone	ND		0.010	10	07/02/2016 00:29
Heptachlor	ND		0.010	10	07/02/2016 00:29
Heptachlor epoxide	ND		0.010	10	07/02/2016 00:29
Hexachlorobenzene	ND		0.10	10	07/02/2016 00:29
Hexachlorocyclopentadiene	ND		0.20	10	07/02/2016 00:29
Methoxychlor	ND		0.010	10	07/02/2016 00:29
Toxaphene	ND		0.50	10	07/02/2016 00:29

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Decachlorobiphenyl	116	70-130	07/02/2016 00:29

Analyst(s): SS **Analytical Comments:** a3



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-15@0.5'	1606C71-037A	Soil	06/24/2016 14:32	GC23	122922
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Aldrin	ND		0.020	20	06/29/2016 08:33
a-BHC	ND		0.020	20	06/29/2016 08:33
b-BHC	ND		0.020	20	06/29/2016 08:33
d-BHC	ND		0.020	20	06/29/2016 08:33
g-BHC	ND		0.020	20	06/29/2016 08:33
Chlordane (Technical)	ND		0.50	20	06/29/2016 08:33
a-Chlordane	ND		0.020	20	06/29/2016 08:33
g-Chlordane	ND		0.020	20	06/29/2016 08:33
p,p-DDD	ND		0.020	20	06/29/2016 08:33
p,p-DDE	ND		0.020	20	06/29/2016 08:33
p,p-DDT	ND		0.020	20	06/29/2016 08:33
Dieldrin	ND		0.020	20	06/29/2016 08:33
Endosulfan I	ND		0.020	20	06/29/2016 08:33
Endosulfan II	ND		0.020	20	06/29/2016 08:33
Endosulfan sulfate	ND		0.020	20	06/29/2016 08:33
Endrin	ND		0.020	20	06/29/2016 08:33
Endrin aldehyde	ND		0.020	20	06/29/2016 08:33
Endrin ketone	ND		0.020	20	06/29/2016 08:33
Heptachlor	ND		0.020	20	06/29/2016 08:33
Heptachlor epoxide	ND		0.020	20	06/29/2016 08:33
Hexachlorobenzene	ND		0.20	20	06/29/2016 08:33
Hexachlorocyclopentadiene	ND		0.40	20	06/29/2016 08:33
Methoxychlor	ND		0.020	20	06/29/2016 08:33
Toxaphene	ND		1.0	20	06/29/2016 08:33

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Decachlorobiphenyl	106	70-130	06/29/2016 08:33

Analyst(s): CK

Analytical Comments: a3



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-16@0.5'	1606C71-039A	Soil	06/24/2016 12:50	GC22	122922

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.010	10	07/01/2016 22:12
a-BHC	ND	0.010	10	07/01/2016 22:12
b-BHC	ND	0.010	10	07/01/2016 22:12
d-BHC	ND	0.010	10	07/01/2016 22:12
g-BHC	ND	0.010	10	07/01/2016 22:12
Chlordane (Technical)	ND	0.25	10	07/01/2016 22:12
a-Chlordane	ND	0.010	10	07/01/2016 22:12
g-Chlordane	ND	0.010	10	07/01/2016 22:12
p,p-DDD	ND	0.010	10	07/01/2016 22:12
p,p-DDE	ND	0.010	10	07/01/2016 22:12
p,p-DDT	ND	0.010	10	07/01/2016 22:12
Dieldrin	ND	0.010	10	07/01/2016 22:12
Endosulfan I	ND	0.010	10	07/01/2016 22:12
Endosulfan II	ND	0.010	10	07/01/2016 22:12
Endosulfan sulfate	ND	0.010	10	07/01/2016 22:12
Endrin	ND	0.010	10	07/01/2016 22:12
Endrin aldehyde	ND	0.010	10	07/01/2016 22:12
Endrin ketone	ND	0.010	10	07/01/2016 22:12
Heptachlor	ND	0.010	10	07/01/2016 22:12
Heptachlor epoxide	ND	0.010	10	07/01/2016 22:12
Hexachlorobenzene	ND	0.10	10	07/01/2016 22:12
Hexachlorocyclopentadiene	ND	0.20	10	07/01/2016 22:12
Methoxychlor	ND	0.010	10	07/01/2016 22:12
Toxaphene	ND	0.50	10	07/01/2016 22:12

Surrogates	REC (%)	Qualifiers	Limits	
Decachlorobiphenyl	132	S	70-130	07/01/2016 22:12

Analyst(s): SS

Analytical Comments: a3,c1



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-17@0.5'	1606C71-041A	Soil	06/24/2016 12:46	GC22	122922

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.010	10	07/01/2016 22:47
a-BHC	ND	0.010	10	07/01/2016 22:47
b-BHC	ND	0.010	10	07/01/2016 22:47
d-BHC	ND	0.010	10	07/01/2016 22:47
g-BHC	ND	0.010	10	07/01/2016 22:47
Chlordane (Technical)	ND	0.25	10	07/01/2016 22:47
a-Chlordane	ND	0.010	10	07/01/2016 22:47
g-Chlordane	ND	0.010	10	07/01/2016 22:47
p,p-DDD	ND	0.010	10	07/01/2016 22:47
p,p-DDE	ND	0.010	10	07/01/2016 22:47
p,p-DDT	ND	0.010	10	07/01/2016 22:47
Dieldrin	ND	0.010	10	07/01/2016 22:47
Endosulfan I	ND	0.010	10	07/01/2016 22:47
Endosulfan II	ND	0.010	10	07/01/2016 22:47
Endosulfan sulfate	ND	0.010	10	07/01/2016 22:47
Endrin	ND	0.010	10	07/01/2016 22:47
Endrin aldehyde	ND	0.010	10	07/01/2016 22:47
Endrin ketone	ND	0.010	10	07/01/2016 22:47
Heptachlor	ND	0.010	10	07/01/2016 22:47
Heptachlor epoxide	ND	0.010	10	07/01/2016 22:47
Hexachlorobenzene	ND	0.10	10	07/01/2016 22:47
Hexachlorocyclopentadiene	ND	0.20	10	07/01/2016 22:47
Methoxychlor	ND	0.010	10	07/01/2016 22:47
Toxaphene	ND	0.50	10	07/01/2016 22:47

Surrogates	REC (%)	Limits	Date Analyzed
Decachlorobiphenyl	118	70-130	07/01/2016 22:47

Analyst(s): SS

Analytical Comments: a3



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-18@0.5'	1606C71-043A	Soil	06/24/2016 12:33	GC22	122922

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.010	10	07/01/2016 23:21
a-BHC	ND	0.010	10	07/01/2016 23:21
b-BHC	ND	0.010	10	07/01/2016 23:21
d-BHC	ND	0.010	10	07/01/2016 23:21
g-BHC	ND	0.010	10	07/01/2016 23:21
Chlordane (Technical)	ND	0.25	10	07/01/2016 23:21
a-Chlordane	ND	0.010	10	07/01/2016 23:21
g-Chlordane	ND	0.010	10	07/01/2016 23:21
p,p-DDD	ND	0.010	10	07/01/2016 23:21
p,p-DDE	ND	0.010	10	07/01/2016 23:21
p,p-DDT	ND	0.010	10	07/01/2016 23:21
Dieldrin	ND	0.010	10	07/01/2016 23:21
Endosulfan I	ND	0.010	10	07/01/2016 23:21
Endosulfan II	ND	0.010	10	07/01/2016 23:21
Endosulfan sulfate	ND	0.010	10	07/01/2016 23:21
Endrin	ND	0.010	10	07/01/2016 23:21
Endrin aldehyde	ND	0.010	10	07/01/2016 23:21
Endrin ketone	ND	0.010	10	07/01/2016 23:21
Heptachlor	ND	0.010	10	07/01/2016 23:21
Heptachlor epoxide	ND	0.010	10	07/01/2016 23:21
Hexachlorobenzene	ND	0.10	10	07/01/2016 23:21
Hexachlorocyclopentadiene	ND	0.20	10	07/01/2016 23:21
Methoxychlor	ND	0.010	10	07/01/2016 23:21
Toxaphene	ND	0.50	10	07/01/2016 23:21

Surrogates	REC (%)	Qualifiers	Limits	Date Analyzed
Decachlorobiphenyl	134	S	70-130	07/01/2016 23:21

Analyst(s): SS

Analytical Comments: a3,c1



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-19@0.5'	1606C71-045A	Soil	06/24/2016 12:28	GC22	122922

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.010	10	07/01/2016 23:55
a-BHC	ND	0.010	10	07/01/2016 23:55
b-BHC	ND	0.010	10	07/01/2016 23:55
d-BHC	ND	0.010	10	07/01/2016 23:55
g-BHC	ND	0.010	10	07/01/2016 23:55
Chlordane (Technical)	ND	0.25	10	07/01/2016 23:55
a-Chlordane	ND	0.010	10	07/01/2016 23:55
g-Chlordane	ND	0.010	10	07/01/2016 23:55
p,p-DDD	ND	0.010	10	07/01/2016 23:55
p,p-DDE	ND	0.010	10	07/01/2016 23:55
p,p-DDT	ND	0.010	10	07/01/2016 23:55
Dieldrin	ND	0.010	10	07/01/2016 23:55
Endosulfan I	ND	0.010	10	07/01/2016 23:55
Endosulfan II	ND	0.010	10	07/01/2016 23:55
Endosulfan sulfate	ND	0.010	10	07/01/2016 23:55
Endrin	ND	0.010	10	07/01/2016 23:55
Endrin aldehyde	ND	0.010	10	07/01/2016 23:55
Endrin ketone	ND	0.010	10	07/01/2016 23:55
Heptachlor	ND	0.010	10	07/01/2016 23:55
Heptachlor epoxide	ND	0.010	10	07/01/2016 23:55
Hexachlorobenzene	ND	0.10	10	07/01/2016 23:55
Hexachlorocyclopentadiene	ND	0.20	10	07/01/2016 23:55
Methoxychlor	ND	0.010	10	07/01/2016 23:55
Toxaphene	ND	0.50	10	07/01/2016 23:55

Surrogates	REC (%)	Limits	Date Analyzed
Decachlorobiphenyl	124	70-130	07/01/2016 23:55

Analyst(s): SS

Analytical Comments: a3

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-20@0.5'	1606C71-047A	Soil	06/24/2016 12:20	GC22	122922
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Aldrin	ND		0.010	10	07/01/2016 21:38
a-BHC	ND		0.010	10	07/01/2016 21:38
b-BHC	ND		0.010	10	07/01/2016 21:38
d-BHC	ND		0.010	10	07/01/2016 21:38
g-BHC	ND		0.010	10	07/01/2016 21:38
Chlordane (Technical)	ND		0.25	10	07/01/2016 21:38
a-Chlordane	ND		0.010	10	07/01/2016 21:38
g-Chlordane	ND		0.010	10	07/01/2016 21:38
p,p-DDD	ND		0.010	10	07/01/2016 21:38
p,p-DDE	ND		0.010	10	07/01/2016 21:38
p,p-DDT	ND		0.010	10	07/01/2016 21:38
Dieldrin	ND		0.010	10	07/01/2016 21:38
Endosulfan I	ND		0.010	10	07/01/2016 21:38
Endosulfan II	ND		0.010	10	07/01/2016 21:38
Endosulfan sulfate	ND		0.010	10	07/01/2016 21:38
Endrin	ND		0.010	10	07/01/2016 21:38
Endrin aldehyde	ND		0.010	10	07/01/2016 21:38
Endrin ketone	ND		0.010	10	07/01/2016 21:38
Heptachlor	ND		0.010	10	07/01/2016 21:38
Heptachlor epoxide	ND		0.010	10	07/01/2016 21:38
Hexachlorobenzene	ND		0.10	10	07/01/2016 21:38
Hexachlorocyclopentadiene	ND		0.20	10	07/01/2016 21:38
Methoxychlor	ND		0.010	10	07/01/2016 21:38
Toxaphene	ND		0.50	10	07/01/2016 21:38

<u>Surrogates</u>	<u>REC (%)</u>	<u>Qualifiers</u>	<u>Limits</u>	
Decachlorobiphenyl	131	S	70-130	07/01/2016 21:38

Analyst(s): SS

Analytical Comments: a3,c1



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-21@0.5'	1606C71-049A	Soil	06/24/2016 12:15	GC22	122936
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Aldrin	ND		0.010	10	07/01/2016 10:57
a-BHC	ND		0.010	10	07/01/2016 10:57
b-BHC	ND		0.010	10	07/01/2016 10:57
d-BHC	ND		0.010	10	07/01/2016 10:57
g-BHC	ND		0.010	10	07/01/2016 10:57
Chlordane (Technical)	ND		0.25	10	07/01/2016 10:57
a-Chlordane	ND		0.010	10	07/01/2016 10:57
g-Chlordane	ND		0.010	10	07/01/2016 10:57
p,p-DDD	ND		0.010	10	07/01/2016 10:57
p,p-DDE	0.039		0.010	10	07/01/2016 10:57
p,p-DDT	0.016		0.010	10	07/01/2016 10:57
Dieldrin	ND		0.010	10	07/01/2016 10:57
Endosulfan I	ND		0.010	10	07/01/2016 10:57
Endosulfan II	ND		0.010	10	07/01/2016 10:57
Endosulfan sulfate	ND		0.010	10	07/01/2016 10:57
Endrin	ND		0.010	10	07/01/2016 10:57
Endrin aldehyde	ND		0.010	10	07/01/2016 10:57
Endrin ketone	ND		0.010	10	07/01/2016 10:57
Heptachlor	ND		0.010	10	07/01/2016 10:57
Heptachlor epoxide	ND		0.010	10	07/01/2016 10:57
Hexachlorobenzene	ND		0.10	10	07/01/2016 10:57
Hexachlorocyclopentadiene	ND		0.20	10	07/01/2016 10:57
Methoxychlor	ND		0.010	10	07/01/2016 10:57
Toxaphene	ND		0.50	10	07/01/2016 10:57
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Decachlorobiphenyl	113		70-130		07/01/2016 10:57
Analyst(s): CK					



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-22@0.5'	1606C71-051A	Soil	06/24/2016 12:08	GC23	122936
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Aldrin	ND		0.020	20	06/29/2016 03:53
a-BHC	ND		0.020	20	06/29/2016 03:53
b-BHC	ND		0.020	20	06/29/2016 03:53
d-BHC	ND		0.020	20	06/29/2016 03:53
g-BHC	ND		0.020	20	06/29/2016 03:53
Chlordane (Technical)	ND		0.50	20	06/29/2016 03:53
a-Chlordane	ND		0.020	20	06/29/2016 03:53
g-Chlordane	ND		0.020	20	06/29/2016 03:53
p,p-DDD	ND		0.020	20	06/29/2016 03:53
p,p-DDE	0.044		0.020	20	06/29/2016 03:53
p,p-DDT	0.065		0.020	20	06/29/2016 03:53
Dieldrin	ND		0.020	20	06/29/2016 03:53
Endosulfan I	ND		0.020	20	06/29/2016 03:53
Endosulfan II	ND		0.020	20	06/29/2016 03:53
Endosulfan sulfate	ND		0.020	20	06/29/2016 03:53
Endrin	ND		0.020	20	06/29/2016 03:53
Endrin aldehyde	ND		0.020	20	06/29/2016 03:53
Endrin ketone	ND		0.020	20	06/29/2016 03:53
Heptachlor	ND		0.020	20	06/29/2016 03:53
Heptachlor epoxide	ND		0.020	20	06/29/2016 03:53
Hexachlorobenzene	ND		0.20	20	06/29/2016 03:53
Hexachlorocyclopentadiene	ND		0.40	20	06/29/2016 03:53
Methoxychlor	ND		0.020	20	06/29/2016 03:53
Toxaphene	ND		1.0	20	06/29/2016 03:53
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Decachlorobiphenyl	119		70-130		06/29/2016 03:53
Analyst(s): CK					



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-9@0.5'	1606C71-025A	Soil	06/24/2016 14:53	ICP-MS1	122934
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	1.8		0.50	1	06/28/2016 23:06
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	99		70-130		06/28/2016 23:06
<u>Analyst(s):</u> DVH					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-10@0.5'	1606C71-027A	Soil	06/24/2016 13:52	ICP-MS2	122934
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	1.9		0.50	1	06/29/2016 23:25
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	105		70-130		06/29/2016 23:25
<u>Analyst(s):</u> DVH					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-11@0.5'	1606C71-029A	Soil	06/24/2016 14:03	ICP-MS2	122934
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	2.8		0.50	1	06/29/2016 23:31
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	105		70-130		06/29/2016 23:31
<u>Analyst(s):</u> DVH					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-12@0.5'	1606C71-031A	Soil	06/24/2016 14:09	ICP-MS2	122934
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	2.7		0.50	1	06/29/2016 23:38
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	108		70-130		06/29/2016 23:38
<u>Analyst(s):</u> DVH					

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-13@0.5'	1606C71-033A	Soil	06/24/2016 14:18	ICP-MS2	122934

Analytes	Result	RL	DF	Date Analyzed
Arsenic	2.0	0.50	1	06/29/2016 23:44

Surrogates	REC (%)	Limits
Terbium	105	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-14@0.5'	1606C71-035A	Soil	06/24/2016 14:26	ICP-MS2	122934

Analytes	Result	RL	DF	Date Analyzed
Arsenic	3.0	0.50	1	06/30/2016 00:08

Surrogates	REC (%)	Limits
Terbium	104	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-15@0.5'	1606C71-037A	Soil	06/24/2016 14:32	ICP-MS2	122934

Analytes	Result	RL	DF	Date Analyzed
Arsenic	3.8	0.50	1	06/28/2016 15:30

Surrogates	REC (%)	Limits
Terbium	111	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-16@0.5'	1606C71-039A	Soil	06/24/2016 12:50	ICP-MS2	122935

Analytes	Result	RL	DF	Date Analyzed
Arsenic	1.5	0.50	1	06/28/2016 16:44

Surrogates	REC (%)	Limits
Terbium	111	70-130

Analyst(s): BBO

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-17@0.5'	1606C71-041A	Soil	06/24/2016 12:46	ICP-MS2	122935

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	2.4	0.50	1	06/30/2016 00:14

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	102	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-18@0.5'	1606C71-043A	Soil	06/24/2016 12:33	ICP-MS2	122935

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	3.6	0.50	1	06/30/2016 00:21

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	106	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-19@0.5'	1606C71-045A	Soil	06/24/2016 12:28	ICP-MS2	122935

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	3.4	0.50	1	06/30/2016 00:27

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	107	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-20@0.5'	1606C71-047A	Soil	06/24/2016 12:20	ICP-MS2	122935

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	3.6	0.50	1	06/30/2016 00:33

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	106	70-130

Analyst(s): DVH

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-21@0.5'	1606C71-049A	Soil	06/24/2016 12:15	ICP-MS2	122935

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	4.2	0.50	1	06/30/2016 00:39

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	<u>Date Analyzed</u>
Terbium	102	70-130	06/30/2016 00:39

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-22@0.5'	1606C71-051A	Soil	06/24/2016 12:08	ICP-MS2	122935

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Arsenic	3.9	0.50	1	06/30/2016 00:45

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	<u>Date Analyzed</u>
Terbium	105	70-130	06/30/2016 00:45

Analyst(s): DVH



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1@0.5'	1606C71-001A	Soil	06/24/2016 09:50	ICP-MS1	122932

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	4.6	0.50	1	06/28/2016 19:43

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	97	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1@1.5'	1606C71-002A	Soil	06/24/2016 09:50	ICP-MS1	122932

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	6.2	0.50	1	06/28/2016 20:08

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	108	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1@3'	1606C71-003A	Soil	06/24/2016 09:50	ICP-MS1	122932

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	3.5	0.50	1	06/28/2016 20:14

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	113	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2@0.5'	1606C71-004A	Soil	06/24/2016 10:05	ICP-MS1	122932

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	5.6	0.50	1	06/28/2016 20:21

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	106	70-130

Analyst(s): DVH

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2@1.5'	1606C71-005A	Soil	06/24/2016 10:05	ICP-MS1	122932

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	10	0.50	1	06/28/2016 20:27
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
Terbium	107	70-130		06/28/2016 20:27

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2@3'	1606C71-006A	Soil	06/24/2016 10:05	ICP-MS1	122932

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	76	0.50	1	06/28/2016 20:33
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
Terbium	104	70-130		06/28/2016 20:33

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3@0.5'	1606C71-007A	Soil	06/24/2016 10:34	ICP-MS1	122932

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	3.4	0.50	1	06/28/2016 20:39
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
Terbium	105	70-130		06/28/2016 20:39

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3@1.5'	1606C71-008A	Soil	06/24/2016 10:34	ICP-MS1	122932

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	3.3	0.50	1	06/28/2016 20:45
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
Terbium	104	70-130		06/28/2016 20:45

Analyst(s): DVH

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3@3'	1606C71-009A	Soil	06/24/2016 10:34	ICP-MS1	122932

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	1.5	0.50	1	06/28/2016 20:51

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	109	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4@0.5'	1606C71-010A	Soil	06/24/2016 10:58	ICP-MS1	122932

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	9.5	0.50	1	06/28/2016 20:58

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	109	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4@1.5'	1606C71-011A	Soil	06/24/2016 10:58	ICP-MS1	122932

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	4.5	0.50	1	06/28/2016 21:04

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	105	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4@3'	1606C71-012A	Soil	06/24/2016 10:58	ICP-MS1	122934

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	71	0.50	1	06/28/2016 21:28

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	106	70-130

Analyst(s): DVH

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-5@0.5'	1606C71-013A	Soil	06/24/2016 10:46	ICP-MS1	122934

Analytes	Result	RL	DF	Date Analyzed
Lead	5.0	0.50	1	06/28/2016 21:34
Surrogates	REC (%)	Limits		
Terbium	107	70-130		06/28/2016 21:34

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-5@1.5'	1606C71-014A	Soil	06/24/2016 10:46	ICP-MS1	122934

Analytes	Result	RL	DF	Date Analyzed
Lead	14	0.50	1	06/28/2016 21:41
Surrogates	REC (%)	Limits		
Terbium	106	70-130		06/28/2016 21:41

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-5@3'	1606C71-015A	Soil	06/24/2016 10:46	ICP-MS1	122934

Analytes	Result	RL	DF	Date Analyzed
Lead	6.7	0.50	1	06/28/2016 21:47
Surrogates	REC (%)	Limits		
Terbium	106	70-130		06/28/2016 21:47

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6@0.5'	1606C71-016A	Soil	06/24/2016 11:47	ICP-MS1	122934

Analytes	Result	RL	DF	Date Analyzed
Lead	75	0.50	1	06/28/2016 21:53
Surrogates	REC (%)	Limits		
Terbium	102	70-130		06/28/2016 21:53

Analyst(s): DVH

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6@1.5'	1606C71-017A	Soil	06/24/2016 11:47	ICP-MS1	122934

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	9.6	0.50	1	06/28/2016 21:59

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	108	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6@3'	1606C71-018A	Soil	06/24/2016 11:47	ICP-MS1	122934

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	7.6	0.50	1	06/28/2016 22:05

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	101	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-7@0.5'	1606C71-019A	Soil	06/24/2016 11:32	ICP-MS1	122934

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	43	0.50	1	06/28/2016 22:11

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	106	70-130

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-7@1.5'	1606C71-020A	Soil	06/24/2016 11:32	ICP-MS1	122934

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	11	0.50	1	06/28/2016 22:17

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
Terbium	105	70-130

Analyst(s): DVH

(Cont.)



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-7@3'	1606C71-021A	Soil	06/24/2016 11:32	ICP-MS1	122934
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	8.0		0.50	1	06/28/2016 22:23
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	106		70-130		06/28/2016 22:23
<u>Analyst(s):</u> DVH					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-8@0.5'	1606C71-022A	Soil	06/24/2016 11:58	ICP-MS1	122934
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	63		0.50	1	06/28/2016 22:48
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	96		70-130		06/28/2016 22:48
<u>Analyst(s):</u> DVH					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-8@1.5'	1606C71-023A	Soil	06/24/2016 11:58	ICP-MS1	122934
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	27		0.50	1	06/28/2016 22:54
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	106		70-130		06/28/2016 22:54
<u>Analyst(s):</u> DVH					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-8@3'	1606C71-024A	Soil	06/24/2016 11:58	ICP-MS1	122934
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	4.8		0.50	1	06/28/2016 23:00
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	99		70-130		06/28/2016 23:00
<u>Analyst(s):</u> DVH					



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: GC20
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122922
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg
Sample ID: MB/LCS-122922

QC Summary Report for SW8081A

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0576	0.0010	0.050	-	115	70-130
a-BHC	ND	-	0.0010	-	-	-	-
b-BHC	ND	-	0.0010	-	-	-	-
d-BHC	ND	-	0.0010	-	-	-	-
g-BHC	ND	0.0622	0.0010	0.050	-	124	70-130
Chlordane (Technical)	ND	-	0.025	-	-	-	-
a-Chlordane	ND	-	0.0010	-	-	-	-
g-Chlordane	ND	-	0.0010	-	-	-	-
p,p-DDD	ND	-	0.0010	-	-	-	-
p,p-DDE	ND	-	0.0010	-	-	-	-
p,p-DDT	ND	0.0572	0.0010	0.050	-	114	70-130
Dieldrin	ND	0.0575	0.0010	0.050	-	115	70-130
Endosulfan I	ND	-	0.0010	-	-	-	-
Endosulfan II	ND	-	0.0010	-	-	-	-
Endosulfan sulfate	ND	-	0.0010	-	-	-	-
Endrin	ND	0.0596	0.0010	0.050	-	119	70-130
Endrin aldehyde	ND	-	0.0010	-	-	-	-
Endrin ketone	ND	-	0.0010	-	-	-	-
Heptachlor	ND	0.0579	0.0010	0.050	-	116	70-130
Heptachlor epoxide	ND	-	0.0010	-	-	-	-
Hexachlorobenzene	ND	-	0.010	-	-	-	-
Hexachlorocyclopentadiene	ND	-	0.020	-	-	-	-
Methoxychlor	ND	-	0.0010	-	-	-	-
Toxaphene	ND	-	0.050	-	-	-	-
Surrogate Recovery							
Decachlorobiphenyl	0.0540	0.0610		0.050	108	122	70-130



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: GC20
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122936
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg
Sample ID: MB/LCS-122936
 1606C71-049AMS/MSD

QC Summary Report for SW8081A

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0550	0.0010	0.050	-	110	70-130
a-BHC	ND	-	0.0010	-	-	-	-
b-BHC	ND	-	0.0010	-	-	-	-
d-BHC	ND	-	0.0010	-	-	-	-
g-BHC	ND	0.0586	0.0010	0.050	-	117	70-130
Chlordane (Technical)	ND	-	0.025	-	-	-	-
a-Chlordane	ND	-	0.0010	-	-	-	-
g-Chlordane	ND	-	0.0010	-	-	-	-
p,p-DDD	ND	-	0.0010	-	-	-	-
p,p-DDE	ND	-	0.0010	-	-	-	-
p,p-DDT	ND	0.0583	0.0010	0.050	-	117	70-130
Dieldrin	ND	0.0627	0.0010	0.050	-	125	70-130
Endosulfan I	ND	-	0.0010	-	-	-	-
Endosulfan II	ND	-	0.0010	-	-	-	-
Endosulfan sulfate	ND	-	0.0010	-	-	-	-
Endrin	ND	0.0458	0.0010	0.050	-	92	70-130
Endrin aldehyde	ND	-	0.0010	-	-	-	-
Endrin ketone	ND	-	0.0010	-	-	-	-
Heptachlor	ND	0.0522	0.0010	0.050	-	104	70-130
Heptachlor epoxide	ND	-	0.0010	-	-	-	-
Hexachlorobenzene	ND	-	0.010	-	-	-	-
Hexachlorocyclopentadiene	ND	-	0.020	-	-	-	-
Methoxychlor	ND	-	0.0010	-	-	-	-
Toxaphene	ND	-	0.050	-	-	-	-
Surrogate Recovery							
Decachlorobiphenyl	0.0550	0.0610		0.050	110	122	70-130



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: GC20
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122936
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg
Sample ID: MB/LCS-122936
 1606C71-049AMS/MSD

QC Summary Report for SW8081A

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aldrin	NR	NR		ND<0.01	NR	NR	-	NR	
g-BHC	NR	NR		ND<0.01	NR	NR	-	NR	
p,p-DDT	NR	NR		0.016	NR	NR	-	NR	
Dieldrin	NR	NR		ND<0.01	NR	NR	-	NR	
Endrin	NR	NR		ND<0.01	NR	NR	-	NR	
Heptachlor	NR	NR		ND<0.01	NR	NR	-	NR	
Surrogate Recovery									
Decachlorobiphenyl	NR	NR			NR	NR	-	NR	



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122934
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-122934
 1606C71-037AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Arsenic	ND	51.8	0.50	50	-	104	75-125
Surrogate Recovery							
Terbium	515	549		500	103	110	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Arsenic	52.8	54.6	50	3.797	98	102	75-125	3.22	20
Surrogate Recovery									
Terbium	536	550	500		107	110	70-130	2.52	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Arsenic	3.49	3.797	8.09	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122935
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-122935
 1606C71-039AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Arsenic	ND	50.9	0.50	50	-	102	75-125
Surrogate Recovery							
Terbium	519	542		500	104	108	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Arsenic	55.2	51.1	50	1.457	108	99	75-125	7.69	20
Surrogate Recovery									
Terbium	584	546	500		117	109	70-130	6.75	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Arsenic	ND<2.5	1.457	-	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122932
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-122932
 1606C64-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	48.9	0.50	50	-	98	75-125
Surrogate Recovery							
Terbium	508	524		500	102	105	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	71.0	63.8	50	12.21	118	103	75-125	10.7	20
Surrogate Recovery									
Terbium	566	558	500		113	112	70-130	1.58	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	11.8	12.21	3.36	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122934
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-122934
 1606C71-037AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	50.5	0.50	50	-	101	75-125

Surrogate Recovery

Terbium	515	549		500	103	110	70-130
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Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	73.6	77.4	50	27	94	101	75-125	5.05	20

Surrogate Recovery

Terbium	536	550	500		107	110	70-130	2.52	20
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Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	26.5	27	1.85	20

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1606C71

ClientCode: EISI

WaterTrax WriteOn EDF Excel EQUIS Email HardCopy ThirdParty J-flag

Report to:

Peter Littman
Environmental Investigation Services, In
15951 Los Gatos Blvd., Suite 17
Los Gatos, CA 95032
(408) 871-1470 FAX: (408) 871-1520

Email: plittman@eis1.net; emlyn@eis1.net; tyler@
cc/3rd Party:
PO:
ProjectNo: 1567-2; BSLT Caltrans Carmel

Bill to:

Barbara
Env. Investigation Svcs., Inc.
15951 Los Gatos Blvd., Suite 17
Los Gatos, CA 95032
barbara@eis1.net

Requested TAT: 5 days;

Date Received: 06/27/2016

Date Logged: 06/27/2016

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1606C71-001	SB-1@0.5'	Soil	6/24/2016 9:50	<input type="checkbox"/>			A									
1606C71-002	SB-1@1.5'	Soil	6/24/2016 9:50	<input type="checkbox"/>			A									
1606C71-003	SB-1@3'	Soil	6/24/2016 9:50	<input type="checkbox"/>			A									
1606C71-004	SB-2@0.5'	Soil	6/24/2016 10:05	<input type="checkbox"/>			A									
1606C71-005	SB-2@1.5'	Soil	6/24/2016 10:05	<input type="checkbox"/>			A									
1606C71-006	SB-2@3'	Soil	6/24/2016 10:05	<input type="checkbox"/>			A									
1606C71-007	SB-3@0.5'	Soil	6/24/2016 10:34	<input type="checkbox"/>			A									
1606C71-008	SB-3@1.5'	Soil	6/24/2016 10:34	<input type="checkbox"/>			A									
1606C71-009	SB-3@3'	Soil	6/24/2016 10:34	<input type="checkbox"/>			A									
1606C71-010	SB-4@0.5'	Soil	6/24/2016 10:58	<input type="checkbox"/>			A									
1606C71-011	SB-4@1.5'	Soil	6/24/2016 10:58	<input type="checkbox"/>			A									
1606C71-012	SB-4@3'	Soil	6/24/2016 10:58	<input type="checkbox"/>			A									
1606C71-013	SB-5@0.5'	Soil	6/24/2016 10:46	<input type="checkbox"/>			A									
1606C71-014	SB-5@1.5'	Soil	6/24/2016 10:46	<input type="checkbox"/>			A									
1606C71-015	SB-5@3'	Soil	6/24/2016 10:46	<input type="checkbox"/>			A									

Test Legend:

1	8081_S	2	ASMS_TTLC_S	3	PBMS_TTLC_S	4	
5		6		7		8	
9		10		11		12	

Prepared by: Briana Cutino

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1606C71

ClientCode: EISI

WaterTrax WriteOn EDF Excel EQUIS Email HardCopy ThirdParty J-flag

Report to:

Peter Littman
Environmental Investigation Services, In
15951 Los Gatos Blvd., Suite 17
Los Gatos, CA 95032
(408) 871-1470 FAX: (408) 871-1520

Email: plittman@eis1.net; emlyn@eis1.net; tyler@
cc/3rd Party:
PO:
ProjectNo: 1567-2; BSLT Caltrans Carmel

Bill to:

Barbara
Env. Investigation Svcs., Inc.
15951 Los Gatos Blvd., Suite 17
Los Gatos, CA 95032
barbara@eis1.net

Requested TAT: 5 days;

Date Received: 06/27/2016

Date Logged: 06/27/2016

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1606C71-016	SB-6@0.5'	Soil	6/24/2016 11:47	<input type="checkbox"/>			A									
1606C71-017	SB-6@1.5'	Soil	6/24/2016 11:47	<input type="checkbox"/>			A									
1606C71-018	SB-6@3'	Soil	6/24/2016 11:47	<input type="checkbox"/>			A									
1606C71-019	SB-7@0.5'	Soil	6/24/2016 11:32	<input type="checkbox"/>			A									
1606C71-020	SB-7@1.5'	Soil	6/24/2016 11:32	<input type="checkbox"/>			A									
1606C71-021	SB-7@3'	Soil	6/24/2016 11:32	<input type="checkbox"/>			A									
1606C71-022	SB-8@0.5'	Soil	6/24/2016 11:58	<input type="checkbox"/>			A									
1606C71-023	SB-8@1.5'	Soil	6/24/2016 11:58	<input type="checkbox"/>			A									
1606C71-024	SB-8@3'	Soil	6/24/2016 11:58	<input type="checkbox"/>			A									
1606C71-025	SB-9@0.5'	Soil	6/24/2016 14:53	<input type="checkbox"/>	A	A										
1606C71-027	SB-10@0.5'	Soil	6/24/2016 13:52	<input type="checkbox"/>	A	A										
1606C71-029	SB-11@0.5'	Soil	6/24/2016 14:03	<input type="checkbox"/>	A	A										
1606C71-031	SB-12@0.5'	Soil	6/24/2016 14:09	<input type="checkbox"/>	A	A										
1606C71-033	SB-13@0.5'	Soil	6/24/2016 14:18	<input type="checkbox"/>	A	A										
1606C71-035	SB-14@0.5'	Soil	6/24/2016 14:26	<input type="checkbox"/>	A	A										

Test Legend:

1	8081_S	2	ASMS_TTLC_S	3	PBMS_TTLC_S	4	
5		6		7		8	
9		10		11		12	

Prepared by: Briana Cutino

Comments:

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1606C71

ClientCode: EISI

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Report to:

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Email: plittman@eis1.net; emlyn@eis1.net; tyler@
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PO:
ProjectNo: 1567-2; BSLT Caltrans Carmel

Bill to:

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Env. Investigation Svcs., Inc.
15951 Los Gatos Blvd., Suite 17
Los Gatos, CA 95032
barbara@eis1.net

Requested TAT: 5 days;

Date Received: 06/27/2016

Date Logged: 06/27/2016

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1606C71-037	SB-15@0.5'	Soil	6/24/2016 14:32	<input type="checkbox"/>	A	A											
1606C71-039	SB-16@0.5'	Soil	6/24/2016 12:50	<input type="checkbox"/>	A	A											
1606C71-041	SB-17@0.5'	Soil	6/24/2016 12:46	<input type="checkbox"/>	A	A											
1606C71-043	SB-18@0.5'	Soil	6/24/2016 12:33	<input type="checkbox"/>	A	A											
1606C71-045	SB-19@0.5'	Soil	6/24/2016 12:28	<input type="checkbox"/>	A	A											
1606C71-047	SB-20@0.5'	Soil	6/24/2016 12:20	<input type="checkbox"/>	A	A											
1606C71-049	SB-21@0.5'	Soil	6/24/2016 12:15	<input type="checkbox"/>	A	A											
1606C71-051	SB-22@0.5'	Soil	6/24/2016 12:08	<input type="checkbox"/>	A	A											

Test Legend:

1	8081_S	2	ASMS_TTLC_S	3	PBMS_TTLC_S	4	
5		6		7		8	
9		10		11		12	

Prepared by: Briana Cutino

Comments:

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WORK ORDER SUMMARY

Client Name: ENVIRONMENTAL INVESTIGATION SERVICES, INC.

QC Level: LEVEL 2

Work Order: 1606C71

Project: 1567-2; BSLT Caltrans Carmel

Client Contact: Peter Littman

Date Logged: 6/27/2016

Comments:

Contact's Email: plittman@eis1.net; emlyn@eis1.net; tyler@eis1.net

WaterTrax
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 Excel
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 HardCopy
 ThirdParty
 J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1606C71-001A	SB-1@0.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 9:50	5 days		<input type="checkbox"/>	
1606C71-002A	SB-1@1.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 9:50	5 days		<input type="checkbox"/>	
1606C71-003A	SB-1@3'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 9:50	5 days		<input type="checkbox"/>	
1606C71-004A	SB-2@0.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:05	5 days		<input type="checkbox"/>	
1606C71-005A	SB-2@1.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:05	5 days		<input type="checkbox"/>	
1606C71-006A	SB-2@3'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:05	5 days		<input type="checkbox"/>	
1606C71-007A	SB-3@0.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:34	5 days		<input type="checkbox"/>	
1606C71-008A	SB-3@1.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:34	5 days		<input type="checkbox"/>	
1606C71-009A	SB-3@3'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:34	5 days		<input type="checkbox"/>	
1606C71-010A	SB-4@0.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:58	5 days		<input type="checkbox"/>	
1606C71-011A	SB-4@1.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:58	5 days		<input type="checkbox"/>	
1606C71-012A	SB-4@3'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:58	5 days		<input type="checkbox"/>	
1606C71-013A	SB-5@0.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:46	5 days		<input type="checkbox"/>	
1606C71-014A	SB-5@1.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:46	5 days		<input type="checkbox"/>	
1606C71-015A	SB-5@3'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 10:46	5 days		<input type="checkbox"/>	
1606C71-016A	SB-6@0.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 11:47	5 days		<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).
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WORK ORDER SUMMARY

Client Name: ENVIRONMENTAL INVESTIGATION SERVICES, INC.

QC Level: LEVEL 2

Work Order: 1606C71

Project: 1567-2; BSLT Caltrans Carmel

Client Contact: Peter Littman

Date Logged: 6/27/2016

Comments:

Contact's Email: plittman@eis1.net; emlyn@eis1.net; tyler@eis1.net

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1606C71-017A	SB-6@1.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 11:47	5 days		<input type="checkbox"/>	
1606C71-018A	SB-6@3'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 11:47	5 days		<input type="checkbox"/>	
1606C71-019A	SB-7@0.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 11:32	5 days		<input type="checkbox"/>	
1606C71-020A	SB-7@1.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 11:32	5 days		<input type="checkbox"/>	
1606C71-021A	SB-7@3'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 11:32	5 days		<input type="checkbox"/>	
1606C71-022A	SB-8@0.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 11:58	5 days		<input type="checkbox"/>	
1606C71-023A	SB-8@1.5'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 11:58	5 days		<input type="checkbox"/>	
1606C71-024A	SB-8@3'	Soil	SW6020 (Lead)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 11:58	5 days		<input type="checkbox"/>	
1606C71-025A	SB-9@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:53	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-026A	SB-9@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:53			<input checked="" type="checkbox"/>	
1606C71-027A	SB-10@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 13:52	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-028A	SB-10@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 13:52			<input checked="" type="checkbox"/>	
1606C71-029A	SB-11@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:03	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	

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QC Level: LEVEL 2

Work Order: 1606C71

Project: 1567-2; BSLT Caltrans Carmel

Client Contact: Peter Littman

Date Logged: 6/27/2016

Comments:

Contact's Email: plittman@eis1.net; emlyn@eis1.net; tyler@eis1.net

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1606C71-030A	SB-11@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:03			<input checked="" type="checkbox"/>	
1606C71-031A	SB-12@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:09	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-032A	SB-12@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:09			<input checked="" type="checkbox"/>	
1606C71-033A	SB-13@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:18	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-034A	SB-13@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:18			<input checked="" type="checkbox"/>	
1606C71-035A	SB-14@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:26	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-036A	SB-14@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:26			<input checked="" type="checkbox"/>	
1606C71-037A	SB-15@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:32	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-038A	SB-15@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 14:32			<input checked="" type="checkbox"/>	
1606C71-039A	SB-16@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:50	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-040A	SB-16@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:50			<input checked="" type="checkbox"/>	

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Work Order: 1606C71

Project: 1567-2; BSLT Caltrans Carmel

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Date Logged: 6/27/2016

Comments:

Contact's Email: plittman@eis1.net; emlyn@eis1.net; tyler@eis1.net

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1606C71-041A	SB-17@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:46	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-042A	SB-17@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:46			<input checked="" type="checkbox"/>	
1606C71-043A	SB-18@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:33	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-044A	SB-18@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:33			<input checked="" type="checkbox"/>	
1606C71-045A	SB-19@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:28	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-046A	SB-19@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:28			<input checked="" type="checkbox"/>	
1606C71-047A	SB-20@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:20	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-048A	SB-20@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:20			<input checked="" type="checkbox"/>	
1606C71-049A	SB-21@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:15	5 days		<input type="checkbox"/>	
			SW8081A (OC Pesticides)			<input type="checkbox"/>		5 days		<input type="checkbox"/>	
1606C71-050A	SB-21@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:15			<input checked="" type="checkbox"/>	
1606C71-051A	SB-22@0.5'	Soil	SW6020 (Arsenic)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:08	5 days		<input type="checkbox"/>	

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QC Level: LEVEL 2

Work Order: 1606C71

Project: 1567-2; BSLT Caltrans Carmel

Client Contact: Peter Littman

Date Logged: 6/27/2016

Comments:

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WaterTrax
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 HardCopy
 ThirdParty
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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1606C71-051A	SB-22@0.5'	Soil	SW8081A (OC Pesticides)	1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:08	5 days		<input type="checkbox"/>	
1606C71-052A	SB-22@1.5'	Soil		1	Acetate Liner	<input type="checkbox"/>	6/24/2016 12:08			<input checked="" type="checkbox"/>	

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McC Campbell Analytical, Inc.

1534 Willow Pass Rd. / Pittsburg, Ca. 94565-1701
www.mcccampbell.com / main@mcccampbell.com
Telephone: (877) 252-9262 / Fax: (925) 252-9269

Need 71

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH 1 DAY 2 DAY 3 DAY 5 DAY
GeoTracker EDF PDF EDD Write On (DW) EQulS 10 DAY
Effluent Sample Requiring "J" flag UST Clean Up Fund Project ; Claim # _____

Report To: Peter Littman / Emlyn Stokes Bill To: EIS, Inc.
Company: Environmental Investigation Services, Inc.
15951 Los Gatos Blvd. Suite 17
Los Gatos, CA 95032 E-Mail: emlyn@eis1.net
Tele: (408) 402 9800 Fax: (408) 402 9800
Project #: *1567-2* Project Name: *BSLT Caltrans Carmel*
Project Location: *Hwy 1, Carmel, CA* Purchase Order#
Sampler Signature: *[Signature]*

Analysis Request

BTX / MTBE & TPH as Gas (8021 / 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505 / 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCB's; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic CI Herbicides)	BTX / MTBE & TPH as Gas (82.60)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Metals (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis	Lead (EPA 6020 ICP-MS)

SAMPLE ID	Location/ Field Point Name	SAMPLING		# Containers	MATRIX								METHOD PRESERVED			
		Date	Time		Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	HCL	HNO ₃	Other	
SB-1@0.5'		6/24/16	9:50													
SB-1@1.5'			↓													
SB-1@3'			↓													
SB-2@0.5'			10:05													
SB-2@1.5'			↓													
SB-2@3'			↓													
SB-3@0.5'			10:34													
SB-3@1.5'			↓													
SB-3@3'			↓													
SB-4@0.5'			10:48													
SB-4@1.5'			↓													

****MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.**

Relinquished By: <i>[Signature]</i>	Date: 6/27/16	Time: 1340	Received By: <i>[Signature]</i>
Relinquished By: <i>[Signature]</i>	Date: 6/27	Time: 1710	Received By: <i>[Signature]</i>
Relinquished By: _____	Date: _____	Time: _____	Received By: _____

ICE/t° _____
 GOOD CONDITION _____
 HEAD SPACE ABSENT _____
 DECHLORINATED IN LAB _____
 APPROPRIATE CONTAINERS _____
 PRESERVED IN LAB _____

VOAS O&G METALS OTHER
 PRESERVATION _____ pH < 2 _____

COMMENTS:
Note: All samples SB-1 thru SB-8 may require further analysis; make sure to preserve

HAZARDOUS: _____



McC Campbell Analytical, Inc.

1534 Willow Pass Rd. / Pittsburg, Ca. 94565-1701
 www.mcccampbell.com / main@mcccampbell.com
 Telephone: (877) 252-9262 / Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH 1 DAY 2 DAY 3 DAY 5 DAY

GeoTracker EDF PDF EDD Write On (DW) EQuIS 10 DAY

Effluent Sample Requiring "J" flag UST Clean Up Fund Project ; Claim # _____

Report To: Peter Littman / Emlyn Stokes **Bill To:** EIS, Inc.
Company: Environmental Investigation Services, Inc.
 15951 Los Gatos Blvd. Suite 17
 Los Gatos, CA 95032 **E-Mail:** emlyn@eis1.net
Tele: (408) 402 9800 **Fax:** (408) 402 9800
Project #: 1567-2 **Project Name:** BSLT Caltrans Carmel
Project Location: Hwy 1, Carmel, CA **Purchase Order#**
Sampler Signature: Kyle Spawle

Analysis Request

SAMPLE ID	Location/ Field Point Name	SAMPLING		# Containers	MATRIX										METHOD PRESERVED	BTEX/ MTBE & TPH as Gas (8021/ 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCB's; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic CI Herbicides)	BTEX/ MTBE & TPH as Gas (8260)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Metals (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis	Lead (EPA 6020 ICP-MS)				
		Date	Time		Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	HCL	HNO ₃	Other																					
SB-4@3'		6/24/16	10:58	1					/																											
SB-5@0.5'			10:46						/																											
SB-5@1.5'			↓						/																											
SB-5@3'			↓						/																											
SB-6@0.5'			11:47						/																											
SB-6@1.5'			↓						/																											
SB-6@3'			↓						/																											
SB-7@0.5'			11:32						/																											
SB-7@1.5'			↓						/																											
SB-7@3'			↓						/																											
SB-8@0.5'			11:58						/																											

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By: <i>[Signature]</i>	Date: 6/27/16	Time: 1340	Received By: <i>[Signature]</i>
Relinquished By: <i>[Signature]</i>	Date: 6/27	Time: 1710	Received By: <i>[Signature]</i>
Relinquished By:	Date:	Time:	Received By:

ICE/t° _____	COMMENTS:
GOOD CONDITION _____	
HEAD SPACE ABSENT _____	
DECHLORINATED IN LAB _____	
APPROPRIATE CONTAINERS _____	
PRESERVED IN LAB _____	
VOAS O&G METALS OTHER HAZARDOUS:	
PRESERVATION _____ pH<2 _____	



McC Campbell Analytical, Inc.

1534 Willow Pass Rd. / Pittsburg, Ca. 94565-1701
 www.mcccampbell.com / main@mcccampbell.com
 Telephone: (877) 252-9262 / Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH 1 DAY 2 DAY 3 DAY 5 DAY
 GeoTracker EDF PDF EDD Write On (DW) EQuIS 10 DAY
 Effluent Sample Requiring "J" flag UST Clean Up Fund Project ; Claim # _____

Report To: Peter Littman / Emlyn Stokes **Bill To:** EIS, Inc.
Company: Environmental Investigation Services, Inc.
 15951 Los Gatos Blvd. Suite 17
 Los Gatos, CA 95032 **E-Mail:** emlyn@eis1.net
Tele: (408) 402 9800 **Fax:** (408) 402 9800
Project #: 1567-2 **Project Name:** BSLT Caltrans Carmel
Project Location: Hwy 9, Carmel, CA **Purchase Order#**
Sampler Signature: *Emlyn Stokes*

Analysis Request

SAMPLE ID	Location/ Field Point Name	SAMPLING		# Containers	MATRIX								METHOD PRESERVED			Analysis Request																																
		Date	Time		Ground Water	Waste Water	Drinking Water	Sea Water	Soil	Air	Sludge	Other	HCL	HNO ₃	Other	BTEX/ MTBE & TPH as Gas (8021/ 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 505/ 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCB's; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic CI Herbicides)	BTEX/ MTBE & TPH as Gas (82.60)	EPA 524.2 / 624 / 82.60 (VOCs)	EPA 525.2 / 625 / 82.70 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Metals (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis	Lead (6020 ICP-MS)	Arsenic	Organochlorine Pesticides (8081)														
SB-8@1.5'		6/24/16	11:58																																													
SB-8@3'			↓																																													
SB-9@0.5'			14:53																																													
SB-9@1.5'			↓																																													
SB-10@0.5'			13:52																																													
SB-10@1.5'			↓																																													
SB-11@0.5'			14:03																																													
SB-11@1.5'			↓																																													
SB-12@0.5'			14:09																																													
SB-12@1.5'			↓																																													
SB-13@0.5'			14:18																																													

****MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.**

Relinquished By: <i>[Signature]</i>	Date: 6/27/16	Time: 1340	Received By: <i>[Signature]</i>	COMMENTS: ICE/A° _____ GOOD CONDITION _____ HEAD SPACE ABSENT _____ DECHLORINATED IN LAB _____ APPROPRIATE CONTAINERS _____ PRESERVED IN LAB _____ VOAS _____ O&G _____ METALS _____ OTHER _____ HAZARDOUS: _____ PRESERVATION _____ pH<2 _____
Relinquished By: <i>[Signature]</i>	Date: 6/27	Time: 1710	Received By: <i>[Signature]</i>	
Relinquished By:	Date:	Time:	Received By:	



Sample Receipt Checklist

Client Name:	Environmental Investigation Services, Inc.	Date and Time Received:	6/27/2016 17:10
Project Name:	1567-2; BSLT Caltrans Carmel	Date Logged:	6/27/2016
WorkOrder №:	1606C71 Matrix: <u>Soil</u>	Received by:	Briana Cutino
Carrier:	<u>Benjamin Yslas (MAI Courier)</u>	Logged by:	Briana Cutino

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample/Temp Blank temperature	Temp: 6.9°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments:



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1606C71 A

Report Created for: Environmental Investigation Services, Inc.

15951 Los Gatos Blvd., Suite 17
Los Gatos, CA 95032

Project Contact: Peter Littman

Project P.O.:

Project Name: 1567-2; BSLT Caltrans Carmel

Project Received: 06/27/2016

Analytical Report reviewed & approved for release on 07/13/2016 by:

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Environmental Investigation Services, Inc.
Project: 1567-2; BSLT Caltrans Carmel
WorkOrder: 1606C71

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
e	spike reference value above calibration level
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: Environmental Investigation Services, Inc.
Project: 1567-2; BSLT Caltrans Carmel
WorkOrder: 1606C71

Analytical Qualifiers

S Surrogate spike recovery outside accepted recovery limits
a3 sample diluted due to high organic content.
c1 surrogate recovery outside of the control limits due to the dilution of the sample.



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 7/6/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: CA Title 22 modified
Analytical Method: SW6020
Unit: mg/L

Metals (DISTLC)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2@3'	1606C71-006A	Soil	06/24/2016 10:05	ICP-MS1	123272

Analytes	Result	RL	DF	Date Analyzed
Lead	0.033	0.0050	10	07/11/2016 21:51

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4@3'	1606C71-012A	Soil	06/24/2016 10:58	ICP-MS1	123272

Analytes	Result	RL	DF	Date Analyzed
Lead	0.073	0.0050	10	07/11/2016 21:57

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6@0.5'	1606C71-016A	Soil	06/24/2016 11:47	ICP-MS1	123272

Analytes	Result	RL	DF	Date Analyzed
Lead	0.15	0.0050	10	07/11/2016 21:45

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-8@0.5'	1606C71-022A	Soil	06/24/2016 11:58	ICP-MS1	123272

Analytes	Result	RL	DF	Date Analyzed
Lead	0.061	0.0050	10	07/11/2016 22:04

Analyst(s): DVH



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 7/6/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: CA Title 22
Analytical Method: SW6020
Unit: mg/L

STLC Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2@3'	1606C71-006A	Soil	06/24/2016 10:05	ICP-MS1	123270

Analytes	Result	RL	DF	Date Analyzed
Lead	2.4	0.10	1	07/11/2016 20:55

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4@3'	1606C71-012A	Soil	06/24/2016 10:58	ICP-MS1	123270

Analytes	Result	RL	DF	Date Analyzed
Lead	3.4	0.10	1	07/11/2016 21:07

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6@0.5'	1606C71-016A	Soil	06/24/2016 11:47	ICP-MS1	123270

Analytes	Result	RL	DF	Date Analyzed
Lead	2.9	0.10	1	07/11/2016 21:01

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-8@0.5'	1606C71-022A	Soil	06/24/2016 11:58	ICP-MS1	123270

Analytes	Result	RL	DF	Date Analyzed
Lead	2.2	0.10	1	07/11/2016 21:32

Analyst(s): DVH



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 7/6/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW1311/SW3010
Analytical Method: SW6020
Unit: mg/L

TCLP Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2@3'	1606C71-006A	Soil	06/24/2016 10:05	ICP-MS3	123273

Analytes	Result	RL	DF	Date Analyzed
Lead	0.17	0.10	1	07/08/2016 22:00

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4@3'	1606C71-012A	Soil	06/24/2016 10:58	ICP-MS3	123273

Analytes	Result	RL	DF	Date Analyzed
Lead	0.17	0.10	1	07/08/2016 22:06

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6@0.5'	1606C71-016A	Soil	06/24/2016 11:47	ICP-MS3	123273

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.10	1	07/08/2016 22:12

Analyst(s): DVH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-8@0.5'	1606C71-022A	Soil	06/24/2016 11:58	ICP-MS3	123273

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.10	1	07/08/2016 22:37

Analyst(s): DVH



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2@3'	1606C71-006A	Soil	06/24/2016 10:05	ICP-MS1	122932
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Antimony	ND		0.50	1	06/28/2016 20:33
Arsenic	1.1		0.50	1	06/28/2016 20:33
Barium	100		5.0	1	06/28/2016 20:33
Beryllium	ND		0.50	1	06/28/2016 20:33
Cadmium	ND		0.25	1	06/28/2016 20:33
Chromium	27		0.50	1	06/28/2016 20:33
Cobalt	9.6		0.50	1	06/28/2016 20:33
Copper	57		0.50	1	06/28/2016 20:33
Lead	76		0.50	1	06/28/2016 20:33
Mercury	ND		0.050	1	06/28/2016 20:33
Molybdenum	0.64		0.50	1	06/28/2016 20:33
Nickel	20		0.50	1	06/28/2016 20:33
Selenium	ND		0.50	1	06/28/2016 20:33
Silver	ND		0.50	1	06/28/2016 20:33
Thallium	ND		0.50	1	06/28/2016 20:33
Vanadium	80		0.50	1	06/28/2016 20:33
Zinc	51		5.0	1	06/28/2016 20:33
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	104		70-130		06/28/2016 20:33
<u>Analyst(s):</u> DVH					



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4@3'	1606C71-012A	Soil	06/24/2016 10:58	ICP-MS1	122934

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	06/28/2016 21:28
Arsenic	2.6	0.50	1	06/28/2016 21:28
Barium	54	5.0	1	06/28/2016 21:28
Beryllium	ND	0.50	1	06/28/2016 21:28
Cadmium	0.26	0.25	1	06/28/2016 21:28
Chromium	9.6	0.50	1	06/28/2016 21:28
Cobalt	3.0	0.50	1	06/28/2016 21:28
Copper	9.7	0.50	1	06/28/2016 21:28
Lead	71	0.50	1	06/28/2016 21:28
Mercury	ND	0.050	1	06/28/2016 21:28
Molybdenum	2.6	0.50	1	06/28/2016 21:28
Nickel	9.2	0.50	1	06/28/2016 21:28
Selenium	0.91	0.50	1	06/28/2016 21:28
Silver	ND	0.50	1	06/28/2016 21:28
Thallium	ND	0.50	1	06/28/2016 21:28
Vanadium	23	0.50	1	06/28/2016 21:28
Zinc	65	5.0	1	06/28/2016 21:28

Surrogates	REC (%)	Limits	
Terbium	106	70-130	06/28/2016 21:28

Analyst(s): DVH



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 6/27/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6@0.5'	1606C71-016A	Soil	06/24/2016 11:47	ICP-MS1	122934

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	06/28/2016 21:53
Arsenic	1.8	0.50	1	06/28/2016 21:53
Barium	36	5.0	1	06/28/2016 21:53
Beryllium	ND	0.50	1	06/28/2016 21:53
Cadmium	0.30	0.25	1	06/28/2016 21:53
Chromium	6.7	0.50	1	06/28/2016 21:53
Cobalt	2.6	0.50	1	06/28/2016 21:53
Copper	12	0.50	1	06/28/2016 21:53
Lead	75	0.50	1	06/28/2016 21:53
Mercury	ND	0.050	1	06/28/2016 21:53
Molybdenum	1.4	0.50	1	06/28/2016 21:53
Nickel	5.2	0.50	1	06/28/2016 21:53
Selenium	ND	0.50	1	06/28/2016 21:53
Silver	ND	0.50	1	06/28/2016 21:53
Thallium	ND	0.50	1	06/28/2016 21:53
Vanadium	19	0.50	1	06/28/2016 21:53
Zinc	43	5.0	1	06/28/2016 21:53

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	102	70-130	06/28/2016 21:53

Analyst(s): DVH



Analytical Report

Client: Environmental Investigation Services, Inc.
Date Received: 6/27/16 17:10
Date Prepared: 7/7/16
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
Extraction Method: SW9045C
Analytical Method: SW9045C
Unit: pH units @ 25°C

pH

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2@3'	1606C71-006A	Soil	06/24/2016 10:05	WetChem	123403

Analytes	Result	Accuracy	DF	Date Analyzed
pH	8.13	±0.1	1	07/07/2016 17:27

Analyst(s): RB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4@3'	1606C71-012A	Soil	06/24/2016 10:58	WetChem	123403

Analytes	Result	Accuracy	DF	Date Analyzed
pH	7.48	±0.1	1	07/07/2016 17:30

Analyst(s): RB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-6@0.5'	1606C71-016A	Soil	06/24/2016 11:47	WetChem	123403

Analytes	Result	Accuracy	DF	Date Analyzed
pH	6.64	±0.1	1	07/07/2016 17:33

Analyst(s): RB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-8@0.5'	1606C71-022A	Soil	06/24/2016 11:58	WetChem	123403

Analytes	Result	Accuracy	DF	Date Analyzed
pH	6.34	±0.1	1	07/07/2016 17:36

Analyst(s): RB



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 7/5/16
Date Analyzed: 7/8/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 123272
Extraction Method: CA Title 22 modified
Analytical Method: SW6020
Unit: mg/L
Sample ID: MB/LCS-123272
 1606777-001AMS/MSD

QC Summary Report for Metals (DISTLC)

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	0.0499	0.00050	0.050	-	100	75-125

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	0.0493	0.0486	0.050	ND<0.010	99	97	75-125	1.47	20



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 7/5/16
Date Analyzed: 7/8/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 123270
Extraction Method: CA Title 22
Analytical Method: SW6020
Unit: mg/L
Sample ID: MB/LCS-123270
 1607072-001AMS/MSD

QC Summary Report for Metals (STLC)

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	9.71	0.10	10	-	97	75-125

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	9.85	9.74	10	ND	98	97	75-125	1.10	20



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 7/5/16
Date Analyzed: 7/11/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 123273
Extraction Method: SW1311/SW3010
Analytical Method: SW6020
Unit: mg/L
Sample ID: MB/LCS-123273
 1607038-001AMS/MSD

QC Summary Report for Metals (TCLP)

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	9.79	0.10	10	-	98	75-125

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	9.64	9.50	10	ND	96	95	75-125	1.44	20



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122932
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-122932
 1606C64-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Antimony	ND	51.2	0.50	50	-	102	75-125
Arsenic	ND	50.3	0.50	50	-	101	75-125
Barium	ND	515	5.0	500	-	103	75-125
Beryllium	ND	52.2	0.50	50	-	104	75-125
Cadmium	ND	47.5	0.25	50	-	95	75-125
Chromium	ND	47.6	0.50	50	-	95	75-125
Cobalt	ND	48.5	0.50	50	-	97	75-125
Copper	ND	49.6	0.50	50	-	99	75-125
Lead	ND	48.9	0.50	50	-	98	75-125
Mercury	ND	1.29	0.050	1.25	-	103	75-125
Molybdenum	ND	48.9	0.50	50	-	98	75-125
Nickel	ND	49.5	0.50	50	-	99	75-125
Selenium	ND	50.5	0.50	50	-	101	75-125
Silver	ND	55.3	0.50	50	-	111	75-125
Thallium	ND	47.4	0.50	50	-	95	75-125
Vanadium	ND	47.5	0.50	50	-	95	75-125
Zinc	ND	502	5.0	500	-	100	75-125
Surrogate Recovery							
Terbium	508	524		500	102	105	70-130



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122932
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-122932
 1606C64-001AMS/MSD

QC Summary Report for Metals

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	53.8	52.5	50	ND	107	105	75-125	2.47	20
Arsenic	56.0	55.5	50	4.097	104	103	75-125	0.933	20
Barium	641	638	500	92.65	110	109	75-125	0.500	20
Beryllium	51.1	49.9	50	ND	101	99	75-125	2.30	20
Cadmium	52.6	51.3	50	ND	105	103	75-125	2.54	20
Chromium	81.0	82.8	50	26.38	109	113	75-125	2.21	20
Cobalt	49.6	49.5	50	5.463	88	88	75-125	0	20
Copper	63.8	62.1	50	14.61	98	95	75-125	2.68	20
Lead	71.0	63.8	50	12.21	118	103	75-125	10.7	20
Mercury	1.46	1.44	1.25	0.08100	110	109	75-125	1.31	20
Molybdenum	51.7	50.1	50	ND	103	100	75-125	3.18	20
Nickel	83.6	81.8	50	32.00	103	100	75-125	2.21	20
Selenium	52.6	51.3	50	ND	105	103	75-125	2.58	20
Silver	57.9	57.4	50	ND	116	115	75-125	0.972	20
Thallium	48.5	47.9	50	ND	97	96	75-125	1.24	20
Vanadium	84.9	84.0	50	33.80	102	100	75-125	1.07	20
Zinc	570	549	500	40.57	106	102	75-125	3.75	20

Surrogate Recovery

Terbium	566	558	500		113	112	70-130	1.58	20
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Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND<2.5	ND	-	-
Arsenic	3.82	4.097	6.76	-
Barium	88.4	92.65	4.59	-
Beryllium	ND<2.5	ND	-	-
Cadmium	ND<1.2	ND	-	-
Chromium	26.0	26.38	1.44	20
Cobalt	5.58	5.463	2.14	-
Copper	14.2	14.61	2.81	20
Lead	11.8	12.21	3.36	-
Mercury	ND<0.25	0.08100	-	-
Molybdenum	ND<2.5	ND	-	-
Nickel	31.5	32.00	1.56	20
Selenium	ND<2.5	ND	-	-

(Cont.)



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122932
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-122932
 1606C64-001AMS/MSD

QC Summary Report for Metals

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Silver	ND<2.5	ND	-	-
Thallium	ND<2.5	ND	-	-
Vanadium	33.4	33.80	1.18	20
Zinc	48.9	40.57	20.5	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122934
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-122934
 1606C71-037AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Antimony	ND	52.6	0.50	50	-	105	75-125
Arsenic	ND	51.8	0.50	50	-	104	75-125
Barium	ND	530	5.0	500	-	106	75-125
Beryllium	ND	53.0	0.50	50	-	106	75-125
Cadmium	ND	48.8	0.25	50	-	98	75-125
Chromium	ND	49.0	0.50	50	-	98	75-125
Cobalt	ND	49.5	0.50	50	-	99	75-125
Copper	ND	49.9	0.50	50	-	100	75-125
Lead	ND	50.5	0.50	50	-	101	75-125
Mercury	ND	1.28	0.050	1.25	-	102	75-125
Molybdenum	ND	50.1	0.50	50	-	100	75-125
Nickel	ND	50.1	0.50	50	-	100	75-125
Selenium	ND	46.7	0.50	50	-	93	75-125
Silver	ND	56.8	0.50	50	-	114	75-125
Thallium	ND	49.1	0.50	50	-	98	75-125
Vanadium	ND	49.0	0.50	50	-	98	75-125
Zinc	ND	505	5.0	500	-	101	75-125
Surrogate Recovery							
Terbium	515	549		500	103	110	70-130



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122934
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-122934
 1606C71-037AMS/MSD

QC Summary Report for Metals

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	49.9	50.5	50	ND	99	100	75-125	1.22	20
Arsenic	52.8	54.6	50	3.797	98	102	75-125	3.22	20
Barium	611	643	500	130	97	103	75-125	5.10	20
Beryllium	48.1	49.3	50	0.56	95	98	75-125	2.48	20
Cadmium	49.0	50.7	50	1.2	96	99	75-125	3.39	20
Chromium	74.7	77.5	50	30	90	96	75-125	3.72	20
Cobalt	47.3	48.5	50	6.5	82	84	75-125	2.55	20
Copper	62.4	64.9	50	18	89	94	75-125	3.94	20
Lead	73.6	77.4	50	27	94	101	75-125	5.05	20
Mercury	1.31	1.32	1.25	ND	101	103	75-125	1.37	20
Molybdenum	49.8	50.3	50	2.4	95	96	75-125	1.02	20
Nickel	67.7	70.8	50	23	90	96	75-125	4.48	20
Selenium	48.2	50.3	50	0.68	95	99	75-125	4.16	20
Silver	52.6	54.7	50	ND	105	109	75-125	4.01	20
Thallium	44.8	46.6	50	ND	89	93	75-125	3.85	20
Vanadium	94.5	97.3	50	50	88	94	75-125	2.90	20
Zinc	568	583	500	94	95	98	75-125	2.62	20

Surrogate Recovery

Terbium	536	550	500		107	110	70-130	2.52	20
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Analyte	DLT Result	DLTRef Val	%D	%D Limit
Antimony	ND<2.5	ND	-	-
Arsenic	3.49	3.797	8.09	-
Barium	126	130	3.08	20
Beryllium	ND<2.5	0.56	-	-
Cadmium	1.39	1.2	15.8	-
Chromium	31.1	30	3.67	20
Cobalt	7.02	6.5	8.00	-
Copper	18.0	18	0	20
Lead	26.5	27	1.85	20
Mercury	ND<0.25	ND	-	-
Molybdenum	ND<2.5	2.4	-	-
Nickel	23.4	23	1.74	20
Selenium	ND<2.5	0.68	-	-

(Cont.)



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 6/27/16
Date Analyzed: 6/28/16
Instrument: ICP-MS3
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 122934
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-122934
 1606C71-037AMS/MSD

QC Summary Report for Metals

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Silver	ND<2.5	ND	-	-
Thallium	ND<2.5	ND	-	-
Vanadium	52.6	50	5.20	20
Zinc	99.1	94	5.43	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.



Quality Control Report

Client: Environmental Investigation Services, Inc.
Date Prepared: 7/7/16
Date Analyzed: 7/7/16
Instrument: WetChem
Matrix: Soil
Project: 1567-2; BSLT Caltrans Carmel

WorkOrder: 1606C71
BatchID: 123403
Extraction Method: SW9045C
Analytical Method: SW9045C
Unit: pH units @ 25°C

QC Summary Report for pH

SampleID	Sample Result	Sample DF	Dup / Serial Dilution Result	Dup / Serial Dilution DF	Precision	Acceptance Criteria
1607193-001A	7.60	1	7.60	1	0	0.1



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1606C71 **A** ClientCode: EISI QuoteID: 5493

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Report to:
Peter Littman
Environmental Investigation Services, In
15951 Los Gatos Blvd., Suite 17
Los Gatos, CA 95032
(408) 871-1470 FAX: (408) 871-1520

Email: plittman@eis1.net; emlyn@eis1.net; tyler@
cc/3rd Party:
PO:
ProjectNo: 1567-2; BSLT Caltrans Carmel

Bill to:
Barbara
Env. Investigation Svcs., Inc.
15951 Los Gatos Blvd., Suite 17
Los Gatos, CA 95032
barbara@eis1.net

Requested TAT: 5 days;
Date Received: 06/27/2016
Date Logged: 06/27/2016
Date Add-On: 07/06/2016

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
1606C71-006	SB-2@3'	Soil	6/24/2016 10:05	<input type="checkbox"/>	A	A	A	A	A								
1606C71-012	SB-4@3'	Soil	6/24/2016 10:58	<input type="checkbox"/>	A	A	A	A	A								
1606C71-016	SB-6@0.5'	Soil	6/24/2016 11:47	<input type="checkbox"/>	A	A	A	A	A								
1606C71-022	SB-8@0.5'	Soil	6/24/2016 11:58	<input type="checkbox"/>	A	A	A		A								

Test Legend:

1	METALSMS_DISTLC_S	2	PBMS_STLC_S	3	PBMS_TCLP_S	4	PBMS_TTLC_S
5	PH_S	6		7		8	
9		10		11		12	

Prepared by: Briana Cutino
Add-On Prepared By: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: ENVIRONMENTAL INVESTIGATION SERVICES, INC

QC Level:

Work Order: 1606C71

Project: 1567-2; BSLT Caltrans Carmel

Client Contact: Peter Littman

Date Logged: 6/27/2016

Comments:

Contact's Email: plittman@eis1.net; emlyn@eis1.net; tyler@eis1.net

Date Add-On: 7/6/2016

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1606C71-006A	SB-2@3'	Soil	SW9045C (pH)	1	Acetate Liner	6/24/2016 10:05	5 days		<input type="checkbox"/>	
			SW6020 (Lead) <Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc>				5 days		<input type="checkbox"/>	
			SW6020 (Lead) (TCLP)				5 days*		<input type="checkbox"/>	
			SW6020 (Lead) (STLC)				5 days*		<input type="checkbox"/>	
			SW6020 (Metals) (DISTLC) <Lead>				5 days*		<input type="checkbox"/>	
1606C71-012A	SB-4@3'	Soil	SW9045C (pH)	1	Acetate Liner	6/24/2016 10:58	5 days		<input type="checkbox"/>	
			SW6020 (Lead) <Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc>				5 days		<input type="checkbox"/>	
			SW6020 (Lead) (TCLP)				5 days*		<input type="checkbox"/>	
			SW6020 (Lead) (STLC)				5 days*		<input type="checkbox"/>	
			SW6020 (Metals) (DISTLC) <Lead>				5 days*		<input type="checkbox"/>	
1606C71-016A	SB-6@0.5'	Soil	SW9045C (pH)	1	Acetate Liner	6/24/2016 11:47	5 days		<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).
 - MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.



WORK ORDER SUMMARY

Client Name: ENVIRONMENTAL INVESTIGATION SERVICES, INC

QC Level:

Work Order: 1606C71

Project: 1567-2; BSLT Caltrans Carmel

Client Contact: Peter Littman

Date Logged: 6/27/2016

Comments:

Contact's Email: plittman@eis1.net; emlyn@eis1.net; tyler@eis1.net

Date Add-On: 7/6/2016

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1606C71-016A	SB-6@0.5'	Soil	SW6020 (Lead) <Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc>	1	Acetate Liner	6/24/2016 11:47	5 days		<input type="checkbox"/>	
			SW6020 (Lead) (TCLP)				5 days*	<input type="checkbox"/>		
			SW6020 (Lead) (STLC)				5 days*	<input type="checkbox"/>		
			SW6020 (Metals) (DISTLC) <Lead>				5 days*	<input type="checkbox"/>		
1606C71-022A	SB-8@0.5'	Soil	SW9045C (pH)	1	Acetate Liner	6/24/2016 11:58	5 days		<input type="checkbox"/>	
			SW6020 (Lead) (TCLP)				5 days*	<input type="checkbox"/>		
			SW6020 (Lead) (STLC)				5 days*	<input type="checkbox"/>		
			SW6020 (Metals) (DISTLC) <Lead>				5 days*	<input type="checkbox"/>		

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).
 - MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

