

Phase I Environmental Site Assessment

Proposed Kaiser Permanente Site

Southwest Corner of Escondido Avenue and Major Place

APNs 3057-011-22 through 3057-011-26

Hesperia, San Bernardino County, California

August 16, 2017

Terracon Project No. CB177179



Prepared for:

Kaiser Permanente
Pasadena, California

Prepared by:

Terracon Consultants, Inc.
Colton, California

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

August 16, 2017



Kaiser Permanente
393 East Walnut Street, 4th Floor
Pasadena, CA 91188

Attn: Mr. Alex Kim
P: (626) 405-5278
E: Alex.Y1.Kim@kp.org

Re: Phase I Environmental Site Assessment
Proposed Kaiser Permanente Site
Southwest Corner of Escondido Avenue and Major Place
Hesperia, San Bernardino County, California
Terracon Project No. CB177179

Dear Mr. Kim:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with our Master Services Agreement dated June 3, 2016 and Kaiser Work Authorization dated July 13, 2017.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in blue ink that reads "Ann Laudermilk".

Ann M. Laudermilk
Project Manager

Michael Harris
Senior Project Manager

Attachments

Terracon Consultants Inc. 1355 E. Cooley Drive Colton, CA 92324

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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with our Master Services Agreement dated June 3, 2016 and Kaiser Work Authorization dated July 13, 2017, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Ann M. Lauder milk, Environmental Professional. Ms. Ann M. Lauder milk performed the site reconnaissance on July 17, 2017.

Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is located at the Southwest Corner of Escondido Avenue and Major Place in Hesperia, San Bernardino County, California (APNs: 3057-011-22 through 3057-011-26) and consists of approximately 9.93 acres of vacant land. During the site reconnaissance, the site consisted of vacant, undeveloped land with evidence of utilities and scattered miscellaneous trash. The site is located in an area that is primarily characterized by commercial uses, including restaurants, hotels, and retail stores, in addition to adjacent vacant land.

Historical Information

Based on a review of historical information, the site has consisted of vacant undeveloped land since at least 1902. A dirt road was mapped traversing the site from the northwest to southwest across the site as early as 1902. An apparent overhead power line crossed the site in the 1940s.

The properties surrounding the site consisted of vacant, undeveloped land from at least 1902 through the mid-1990s, when commercial development began along Main Street to the north of the site. Residential development east of the site began in the 1990s and retail development east of the site is limited to approximately the last five years.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was not identified in the regulatory databases. Documents related to the site were not provided by governmental agencies. Facilities identified within the specified search distances do not represent recognized environmental conditions (RECs).

Phase I Environmental Site Assessment

Proposed Kaiser Permanente Site ■ Hesperia, California

August 16, 2017 ■ Terracon Project No. CB177179



Site Reconnaissance

During the site reconnaissance, the site consisted of vacant, undeveloped land with evidence of utilities. One pad-mounted transformer was located along the driveway in the northern portion of the site. Scattered miscellaneous household trash was noted throughout the site, concentrated in the southwestern portion of the site. RECs were not identified during the site reconnaissance.

Adjoining Properties

The property to the adjoining north of the site consisted of a retail parking lot and vacant, graded land. Escondido Avenue abuts the site to the east followed by vacant, graded land with a gravel cover and Walmart further to the east (13401 Main Street). The properties to the adjoining south and west of the site consisted of vacant, undeveloped land.

Additional Services

As request by the client, Terracon performed additional services. The findings for the additional services are as follows:

- Based on site observations, the site has a low risk for asbestos, chromium, Freon, lead paint, lead shielding, mercury, PCB light ballasts, soil remediation, underground storage tanks (USTs), and aboveground storage tanks (ASTs).
- Based on current research, there is a low potential for onsite lead in drinking water, wetlands, cultural and historic resources, ecological resources, and vapor intrusion issues.
- Based on the vacant and undeveloped nature of the site, there is a moderate potential to support threatened and endangered species.
- The site is located outside the estimated sea level rise of 0-2 feet above mean sea level and is considered to have a low risk impact from sea level rise.

Significant Data Gaps

Significant data gaps were not identified.

Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 at the Southwest Corner of Escondido Avenue and Major Place in Hesperia, San Bernardino County, California (APNs: 3057-011-22 through 3057-011-26), the site. Recognized Environmental Conditions (RECs) or Controlled RECs (CREC) were not identified in connection with the site.

Recommendations

Based on the scope of services, limitations, and conclusions of this assessment, Terracon did not identify RECs or CRECs. However, Terracon recommends conduct an endangered species study prior to development of the property.

1.0 INTRODUCTION

1.1 Site Description

Site Name	Proposed Kaiser Permanente Site
Site Location/Address	Southwest Corner of Escondido Avenue and Major Place, Hesperia, San Bernardino County, California (APNs: 3057-011-22 through 3057-011-26)
Land Area	Approximately 9.93 Acres
Site Improvements	The site consists of undeveloped land.
Anticipated Future Site Use	Development for commercial use – medical office building
Purpose of the ESA	Acquisition

The location of the Site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. The Site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

1.2 Scope of Services

This Phase I ESA was performed in accordance with our Master Services Agreement dated June 3, 2016 and Kaiser Work Authorization dated July 13, 2017, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

ASTM E1527-13 contains a new definition of "migrate/migration," which refers to "the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." By including this explicit reference to migration in ASTM E1527-13, the Standard clarifies that the potential for vapor migration should be addressed as part of a Phase I ESA. This Phase I ESA has considered vapor migration in evaluation of RECs associated with the site.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

- The client did not provide the requested User's information as of the issuance date of the report, which represents a data gap. Terracon assumes the client is evaluating the questionnaire information outside the context of Terracon's Phase I ESA scope of work and report. Based on the available information, the absence of the client questionnaire does not constitute a significant data gap.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Kaiser Permanente. Use or reliance by any other party is prohibited without the written authorization of Kaiser Permanente and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Agreement. The limitation of liability defined in the Agreement is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-13.

1.6 Client Provided Information

Prior to the site visit, Mr. Alex Kim, client's representative, was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.	X		
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.	X		
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.	X		
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.	X		
Obvious Indicators of Contamination at the site.	X		

The client did not provide the requested User's information as of the issuance date of the report, which represents a data gap. Terracon assumes the client is evaluating the questionnaire information outside the context of Terracon's Phase I ESA scope of work and report. Based on the available information the absence of the client questionnaire does not constitute a significant data gap.

2.0 PHYSICAL SETTING

Physical Setting

Physical Setting Information		Source
Topography (Refer to Appendix A for an excerpt of the Topographic Map)		
Site Elevation	Approximately 3,515 feet above sea level	USGS Topographic Map, Hesperia and Baldy Mesa Quadrangles, 2012
Surface Runoff/ Topographic Gradient	Very gently sloping towards the northeast	
Closest Surface Water	California Aqueduct, approximately 1,500 feet northeast of the site.	
Soil Characteristics		
Soil Type	Hesperia sandy loam	San Bernardino County, California USDA-NRCS Web Soil Survey issued September 2014
Description	Well drained soils with moderately coarse textures derived from granite and related rocks.	
Geology/Hydrogeology		
Formation	Middle Holocene alluvial fan deposits.	

Physical Setting Information		Source
Description	Young slightly to moderately consolidated silt, sand and coarse-grained sand to boulder alluvial fan deposits.	Geologic Map of the San Bernardino and Santa Ana 30' by 60' Quadrangles, California, Morton and Miller, USGS Open-File Report 2006-1217
Estimated Depth to First Occurrence of Groundwater	Estimated depth to groundwater 715 feet.	Regional Water Table (2014) in the Mojave River and Morongo Groundwater Basins, Southwestern Mojave Desert, California, Teague, et.al., USGS OFR 2016-1105
*Hydrogeologic Gradient	Generally to the north.	
Flood Zone	The site is not located within the 100 or 500-year flood zone.	

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps

Readily available historical USGS topographic maps and selected historical aerial photographs (at approximately 10 to 15 year intervals) were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps, aerial photographs and Sanborn Maps are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. According to EDR, Sanborn maps are not available for the site.

- Topographic map: Hesperia, California, published in **1902, 1942** (1:62,500)
- Topographic map: Hesperia, California, published in **1947** (1:50,000)
- Topographic map: Hesperia, California, published in **1956** aerial photorevised 1952, published in **1968** aerial photorevised 1968, published in **1980** aerial photorevised 1978, published in **2012** (1:24,000)
- Topographic map: Baldy Mesa, California, published in **1956** aerial photorevised 1952, Baldy Mesa, California, published in **1968** aerial photorevised 1968, Baldy Mesa, California, published in **1988** aerial photorevised 1985, Baldy Mesa, California, published in **1988** aerial photorevised 1985, Baldy Mesa, California,

- published in **1996** aerial photorevised 1994, Baldy Mesa, California, published in **2012** (1:24,000)
- Aerial photograph: USDA, **1949, 1953, 1959, 1968, 1985, 2005, 2009, 2010, 2012**, 1"=500'
- Aerial photograph: USGS, **1975, 1995**, 1"=500'
- Aerial photograph: Google Earth, **2016**, variable

Historical Topographic Maps, Aerial Photographs

Direction	Description
Site	Undeveloped land with a northeast to southwest trending dirt road across the western portion (1902); vacant land with dirt road and a power line mapped (1942-1947); power lines no longer mapped in 1956, alignment appears as a dirt road, vacant land (1949-2016).
North	Undeveloped land, dirt road extends offsite, a road in the alignment of Main Street (1902); vacant land, power line extends offsite (1942-1947); power lines no longer mapped in 1956, alignment appears as a dirt road, vacant land (1949-1985); commercial/restaurant pads graded along Main Street, retail parking lot and driveways paved (1995); development of hotels and restaurants northwest to northeast (2005-2012).
South	Undeveloped land, dirt road extends offsite (1902); vacant land, power line extends offsite (1942-1947); power lines no longer mapped in 1956, alignment appears as a dirt road, vacant land (1949-1985); vacant and undeveloped, vegetation adjacent to site cleared (1995-2012).
East	Undeveloped land (1902-1968); a dirt road adjacent to site, vacant and undeveloped land (1975-1985); paved road adjacent, residential development underway beyond vacant adjacent property (1995-2010); Walmart construction underway (2012).
West	Undeveloped land (1902-2012).

3.2 Historical City Directories

The Haines Criss Cross Directories and Cole Information Services city directories used in this study were made available through Environmental Data Resources (EDR) (selected years reviewed: 1975-2013) and were reviewed at approximate five-year intervals, if readily available. There is no current street address. Escondido Avenue was searched by EDR; however, the address interval searched is south of the site area. The restaurant, car wash, and other retail locations northeast of the site on Escondido Avenue were not present in 2013. The closest retail/restaurant locations north of the site have Main Street addresses, and were not included in the directory search.

3.3 Site Ownership

Based on a review of information on the San Bernardino County Property Information Management System (PIMS) website, the current site owner is the Paul M. Bingham Trust, et al. (a total of seven trusts, LLC's and individuals) since November 22, 2016. Previous site owners

have included Carl. E. Ross and Ross family trusts (2008-2016), various LLCs (2000-2008), and the Michel Dunia Trust from 1975-2000.

3.4 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.5 Environmental Liens and Activity and Use Limitations

Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

While not requested by the client, the EDR regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Based on its limited nature, this review does not constitute a review of AULs per ASTM E1527-13.

3.6 Interview Regarding Current and Historical Site Uses

The following individual was interviewed regarding the current and historical use of the site.

Interviewee

Interviewer	Interviewee/Phone #	Title	Date
Ms. Ann M. Laudermilk	Mr. Mike Harrison / (909) 989-7771	Senior Vice President	July 31, 2017

Terracon interviewed Mr. Mike Harrison, Senior Vice President of Lee and Associates and broker for the site, via email, in regards to the history of the site. Mr. Harrison has been associated with the site since approximately November of 2016. Mr. Harrison indicated that the seller is not aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability, or potential environmental concerns in connection with the site.

3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports they are aware of for the site. Previous reports were not provided by the client to Terracon for review.

4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated, and the scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal and State Databases

Database	Description	Radius (miles)	Listings
Federal			
NPL	Environmental Protection Agency (EPA): National Priority List	1.0	0
NPL (Delisted)	EPA: National Priority List (Delisted)	0.5	0
CERCLIS (SEMS)	EPA: Comprehensive Environmental Response, Compensation, and Liability Information System	0.5	0
CERCLIS/ NFRAP (SEMS-ARCHIVE)	EPA: CERCLIS/No Further Remedial Action Planned	0.5	0
RCRA CORRACTS/ TSD	EPA: Resource Conservation and Recovery Act (RCRA), Corrective Action Report/Treatment, Storage and Disposal	1.0	0
RCRA Non-CORRACTS/ TSD	EPA: RCRA, Non-Corrective Action Report/Treatment, Storage and Disposal	0.5	0
RCRA Generators	EPA: RCRA – Generator	0.1	0
IC / EC	EPA: Site with Institutional Controls/Engineering Controls Site	Site	0

Database	Description	Radius (miles)	Listings
ERNS	United States Coast Guard National Response Center: Emergency Response Notification System	Site	0
State/Tribal			
RESPONSE	Department of Toxic Substances Control (DTSC): State Response Sites	1.0	0
ENVIROSTOR	DTSC: EnviroStor Database	0.5	0
CHMIRS	EPA Office of Emergency Services: California Hazardous Material Incident Report System	Site and adjoining	0
CORTESE	EPA Office of Emergency Services: Hazardous Waste & Substances Sites List	0.1	0
HIST CORTESE	EPA Office of Emergency Services: Historical Hazardous Waste & Substances Sites List	0.1	0
HAZNET	EPA: Facility and Manifest Data	Site and Adjoining	0
SWF / LF (SWIS)	California Department of Resources Recycling and Recovery: Solid Waste Information System	0.5	0
LUST	State Water Resources Control Board (SWRCB): Leaking Underground Storage Tank Database	0.5	1
SWEEPS	SWRCB: Statewide Environmental Evaluation and Planning System	0.25	1
HISTUST	SWRCB: Hazardous Substance Storage Container Database	0.25	1
CA FID UST	EPA: Facility Inventory Database Underground Storage Tank	0.25	1
UST	SWRCB: Active Underground Storage Tank Facilities	0.25	4
AST	EPA Aboveground Petroleum Storage Tank Facilities	0.25	1
SLIC	SWRCB: Spills, Leaks, Investigations and Cleanup Cases	0.25	0
DRYCLEANERS	DTSC: Cleaner Facilities	0.25	0
VCP	DTSC: Voluntary Cleanup Program sites	0.5	0
Brownfields	EPA: Brownfield Sites	0.5	0
SWRCY	California Department of Conservation: Recycler Database	Site	0
NPDES	EPA, National Pollutant Discharge Elimination System	Site	0
FINDS	EPA, Facility Index System/Facility Registry System	Site	0
EDR Hist Auto	EDR Exclusive Historic Gas Stations	0.1	0
EDR Hist Cleaner	EDR Exclusive Historic Dry Cleaners	0.1	0

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The following table summarizes the site-specific information provided by the database and/or gathered by this office for identified facilities. Facilities are listed in order of proximity to the site. Additional discussion for selected facilities follows the summary table.

Listed Facilities

Facility Name And Location	Estimated Distance / Direction/Gradient	Database Listings	Is a REC, CREC, or HREC to the Site
Valero – Depot #5 13187 Main Street	800 feet / north-northwest / Down-gradient	UST, San Bernardino Co. Permit, EMI, HAZNET, UST	No, based on status, distance and gradient
Shell Service Station 13105 Main Street	900 feet / Northwest / Down-gradient	UST, HIST UST, LUST, HIST CORTESE, RCRA-SQG, SWEEPS UST, FINDS, ECHO, HAZNET, CA FID UST	No, based on status, distance and gradient
Wal-Mart #4340 13401 Main Street	1,000 feet / East / Cross-gradient	AST, San Bernardino Co. Permit, RCRA-SQG	No, based on status, distance and gradient
Chevron Travel Center 13188 Main Street	1,050 feet / North-northwest / Down-gradient	UST, San Bernardino Co. Permit	No, based on status, distance and gradient
Mission Crest Elementary School 13065 Muscatel Street	4,000 feet / South-southwest / Up-gradient	ENVIROSTOR, SCH	No, based on status and distance
Mesquite Trails West School Site Muscatel Road/Coyote Trail	4,260 feet / South-southwest / Up-gradient	ENVIROSTOR, SCH	No, based on status and distance
New Mesquite Trails West Elementary School 12850 Muscatel Street	4,380 feet / South-southwest / Up-gradient	ENVIROSTOR, SCH	No, based on status and distance

The facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed two facilities in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this

assessment; however, none of these facilities were identified as the site or adjacent properties. These facilities are listed in the database report in Appendix D.

4.2 Local Agency Inquiries

Agency Contacted / Contact Method	Response
San Bernardino County Fire Department, Hazardous Materials Division / email mmolina@sbcfire.org and mail	According to Ms. Donna Juday of the HMD, records were not found for the site.
San Bernardino County Department of Public Health, Environmental Health Services / by mail 385 N. Arrowhead Ave, San Bernardino	According to Mr. Raul Robles of the DEHS, records were not found for the site.
Lahontan Regional Water Quality Control Board / Email (robin.coale@waterboards.ca.gov)	According to Ms. Robin Coale of the Regional Water Quality Control Board, records were not found for the site.
Department of Toxic Substances Control (DTSC) / Email (pubreqact@dtsc.ca.gov)	According to Ms. Jan Papararo of the DTSC, records were not found for the site.
Mojave Desert Air Quality Management District (AQMD) / Email (jrhinehart@mdaqmd.ca.gov)	According to Ms. Jennifer Rhinehart of the MDAQMD, records were not found for the site.
City of Hesperia City Clerk's Office / Online submittal www.cityofhesperia.us/recordsrequest .	According to Ms. Stephanie McClure of the City Clerk's Office, records were not found for the site.

4.3 Local Area Knowledge

Terracon reviewed the Department of Conservation Division of Oil, Gas, and Geothermal Resources Well Finder for wells located on the site. A review of the website did not reveal wells on the site. RECs were not identified.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. Exhibit 2 in Appendix A is a Site Diagram of the site. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

General Site Information

Site Reconnaissance	
Field Personnel	Ms. Ann M. Laudermilk
Reconnaissance Date	July 19, 2017
Weather Conditions	Sunny, 90°F
Site Contact/Title	None

5.2 Overview of Current Site Occupants

The site is located at the Southwest Corner of Escondido Avenue and Major Place in Hesperia, San Bernardino County, California (APNs: 3057-011-22 through 3057-011-26) and consists of approximately 9.93 acres of vacant land.

5.3 Overview of Current Site Operations

During the site reconnaissance, the site consisted of vacant, undeveloped land with evidence of utilities and scattered miscellaneous household trash.

5.4 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	
	Paint booths	
	Sub-grade mechanic pits	

Phase I Environmental Site Assessment

Proposed Kaiser Permanente Site ■ Hesperia, California

August 16, 2017 ■ Terracon Project No. CB177179



Category	Item or Feature	Observed or Identified
	Wash-down areas or carwashes	
	Pesticide/herbicide production or storage	
	Printing operations	
	Metal finishing (e.g., electroplating, chrome plating, galvanizing, etc.)	
	Salvage operations	
	Oil, gas or mineral production	
	Other processes or equipment	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	
	Drums, barrels and/or containers ≥ 5 gallons	
	MSDS or SDS	
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, French drains, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators, clarifiers, sand traps, triple traps, interceptors	
	Pipeline markers	X
	Interior floor drains	
Electrical Transformers/PCBs	Transformers and/or capacitors	X
	Other equipment	
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	

Category	Item or Feature	Observed or Identified
	Wastewater lagoons	
	Wells	
	Other features	

Trash, debris and/or other waste materials

Scattered miscellaneous household trash and debris were observed throughout the site during the site reconnaissance, particularly in the southwestern portion of the site. Based on visual observation (only of surface materials), less than one cubic yard of debris, which consisted of household materials was observed. Leakage, spills or other releases from these materials were not observed during the visual reconnaissance. The debris materials did not appear to be hazardous in nature. Based on site observations, the trash and debris does not constitute a REC to the site.

Pipeline markers

Sewer pipeline placards and Hesperia Sewer manholes were observed along the northern property line. Natural gas line placards indicating a Southwest Gas Corporation pipeline were located along Escondido Avenue. Based on available parcel overlays, the natural gas line appears to be located on an adjacent portion of the public road right of way.

Transformers and/or capacitors

During Terracon's site visit, one pad-mounted transformer, owned and serviced by SCE, was observed along the driveway in the north-central portion of the site. An additional underground SCE vault was located in the northwest corner of the site. No information with regard to PCB content of the transformer fluids was observed. Some transformers contain mineral oil which may contain PCBs.

SCE maintains responsibility for the transformer, and if the transformer was "PCB contaminated," SCE is not required to replace the transformer fluids until a release is identified. However, evidence of current or prior releases was not observed in the vicinity of the electrical equipment during the site reconnaissance.

6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	The property to the adjoining north of the site consisted of a retail parking lot and vacant, graded land.
South	The property to the adjoining south of the site consisted of vacant, undeveloped land.
East	The property to the adjoining east of the site consisted of vacant, undeveloped land.
West	Escondido Avenue abuts the site to the east. Vacant, graded land with a gravel cover follows Escondido Avenue. Walmart is located further to the east.

7.0 ADDITIONAL SERVICES

Per the agreed scope of services specified in the proposal, the Terracon performed additional services.

7.1 Risk Assessment for Currently Tracked Materials

At the time of the site reconnaissance, the site consisted of vacant land. Therefore, currently tracked material issues were not identified.

Currently Tracked Materials	On-Site Risk	Comment
Asbestos	No	None reported or observed.
Chromium	No	None reported or observed.
Freon	No	None reported or observed.
Lead Paint	No	None reported or observed.
Lead Shielding	No	None reported or observed.
Mercury	No	None reported or observed.
PCB light ballasts	No	None reported or observed.
PCBs in Sealants	No	None reported or observed.
Soil remediation	No	None reported or observed.
Underground storage tanks	No	None reported or observed.
Aboveground storage tanks	No	None reported or observed.

7.2 Asbestos-Containing Building Materials

At the time of the site reconnaissance, the site consisted of vacant land. Therefore, asbestos-containing building material issues were not identified.

7.3 Radon

At the time of the site reconnaissance, the site consisted of vacant land. However, Terracon reviewed regional data published by the EPA (<http://www.epa.gov/radon/zonemap.html>) on average indoor radon concentrations in the vicinity of the site. The site is located in Zone 2 and is considered to have an average potential for radon. To determine Property-specific radon levels a radon survey would have to be conducted. However, because the site is not planned for residential use, further investigation of indoor radon issues does not appear to be warranted at this time. There is a low potential for environmental risks associated with indoor radon concentrations.

7.4 Lead-Based Paint

At the time of the site reconnaissance, the site consisted of vacant land. Therefore, lead-based paint issues were not identified.

7.5 Lead in Drinking Water

Based on a review of the 2016 Consumer Confidence Report for the City of Hesperia Water District, the 90th percentile of all 30 samples collected at customers' taps was non-detect for lead. As recently as 2011, 120 samples were reported, with results indicating that the 90th percentile was non-detect and none of the samples were above the action level at that time of 0.015 mg/L. There is a low potential for environmental risks associated with lead in drinking water.

7.6 Wetlands

Based on review of the US Fish and Wildlife Service National Wetland Inventory maps (<http://www.fws.gov/wetlands/data/mapper.html>), wetlands were not mapped within the site area. During the site reconnaissance, Terracon did not observe potential wetlands on the site. Based on the site observations and follow up interviews, there is a low potential for environmental risks associated with wetlands.

7.7 Regulatory Compliance

At the time of the site reconnaissance, the site consisted of vacant land. Therefore, regulatory compliance issues were not identified.

7.8 Cultural and Historic Resources

Terracon reviewed the National Register of Historic Places (NRHP) database online. Based on a review of the NRHP database, resources were not located in the vicinity of the site. Based on this information, there is a low potential for environmental risks associated with Cultural and Historical Resources.

7.9 Industrial Hygiene

At the time of the site reconnaissance, the site consisted of vacant land. Therefore, industrial hygiene issues were not identified.

7.10 Health and Safety

At the time of the site reconnaissance, the site consisted of vacant land. Therefore, health and safety issues were not identified.

7.11 Ecological Resources

During the site reconnaissance, Terracon observed the site as vacant, undeveloped land. Based on this information, there is a low potential for environmental risks associated with Ecological Resources.

7.12 Endangered Species

Literature and agency file searches were conducted to review the potential occurrence of federally- and state-listed threatened and endangered (T&E) species located in the site vicinity. The search included information from the U.S. Fish and Wildlife Service (USFWS) and the California Department of Fish and Wildlife. The following is a list of federally- and state-listed T&E species potentially located in the site vicinity.

Threatened & Endangered Species

SPECIES	STATUS*
<u>BIRDS</u>	
California Condor	SE / FE
Southwestern Willow Flycatcher	FE
Least Bell's Vireo	SE / FE
<u>REPTILES</u>	
Desert Tortoise	SE / FE
<u>AMPHIBIANS</u>	
Arroyo Toad	SE / FE

*Status Codes:

FE = Federally Endangered

FT = Federally Threatened

SE = State Endangered

ST = State Threatened

SC = State Special Concern (not a statutory category)

This level of assessment did not evaluate habitat suitability for T&E species. In addition, site observations to evaluate the potential presence/absence of listed species were not conducted. A

formal T&E species survey would be required to evaluate habitat suitability and/or the presence of T&E species. However, during the site reconnaissance, the site was vacant, undeveloped land. Based on this information, the site has a moderate potential to support T&E species.

7.13 Indoor Air Quality

At the time of the site reconnaissance, the site consisted of vacant land. Therefore, indoor air quality issues were not identified.

7.14 Biological Agents

At the time of the site reconnaissance, the site consisted of vacant land. Therefore, biological agent issues were not identified.

7.15 Mold/Water Intrusion

At the time of the site reconnaissance, the site consisted of vacant land. Therefore, mold and water intrusion issues were not identified.

7.16 Limited Vapor Intrusion Assessment

Pursuant to the client's request, and in conjunction with the ESA, Terracon conducted a limited Vapor Intrusion Assessment. This assessment was not conducted in accordance with ASTM E2600 15. This assessment was based on information collected in conjunction with the ESA, including existing/planned use of the site, type of structures located on the site, surrounding property description, user information, historical and physical records review, regulatory database review, manmade or natural conduits, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties, and did not include regulatory file reviews or subsurface investigations to evaluate soil, soil gas, or groundwater quality.

Based on the available historical information, current operations, and physical setting, the potential for vapor encroachment issues on-site is low.

7.17 Limited Sea Level Rise Assessment

Based on a review of the Office for Coastal Management's Sea Level Rise and Coastal Flooding Impacts Map (<https://coast.noaa.gov/slr/>), the site is located outside the estimated sea level rise of 0-2 feet above mean sea level. Based on this information, the site is considered to have a low risk impact from sea level rise.

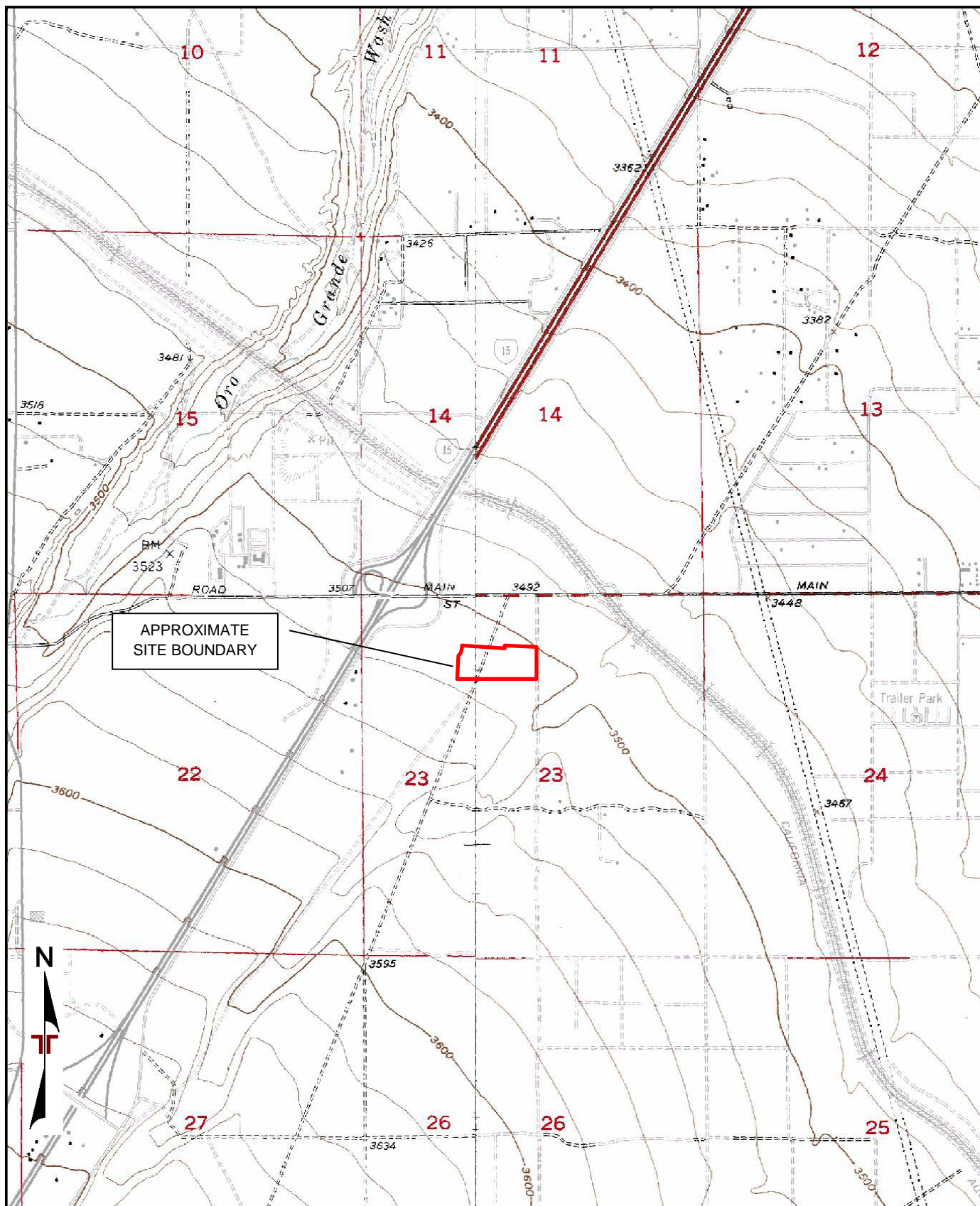
8.0 DECLARATION

I, Ann M. Laudermilk, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Ann M. Laudermilk
Project Manager

APPENDIX A
EXHIBIT 1 – TOPOGRAPHIC MAP
EXHIBIT 2 – SITE DIAGRAM



TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
 QUADRANGLES INCLUDE: BALDY MESA, CA (1/1/1996) and HESPERIA, CA (1/1/1980).

Project Manager: AL
 Drawn by: AL
 Checked by: CP
 Approved by: MH

Project No. CB177179
 Scale: 1"=2,000'
 File Name: Exhibit 1
 Date: 7/20/17

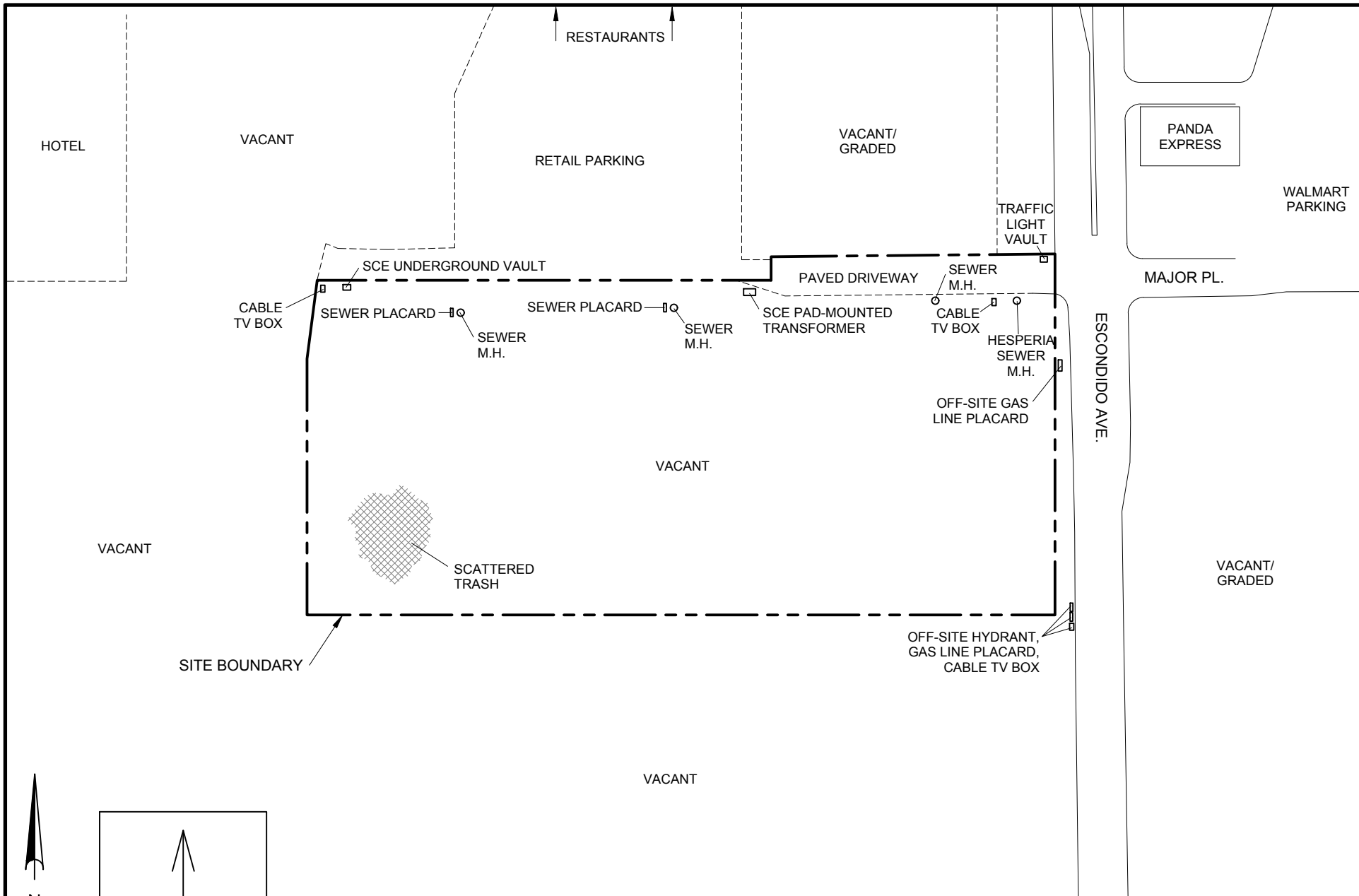
Terracon
 1355 E Cooley Dr Ste C
 Colton, CA 92324-3954

TOPOGRAPHIC MAP

Proposed Kaiser Permanente
 SW Corner of Escondido Avenue and Major Place
 Hesperia, CA

Exhibit

1



Project Manager:	AL	Project No.	CB177179
Drawn By:	ST	Approx. Scale:	1" = 350'
Checked By:	CP	File Name:	Exhibit 2
Approved By:	CP	Date:	7/25/17

Terracon

1355 E. Cooley Drive
Colton, CA 92324

SITE MAP

Proposed Kaiser Permanente
SW Corner of Escondido Avenue and Major Place
Hesperia, CA

Exhibit

2

APPENDIX B
SITE PHOTOGRAPHS



Photo #1 View toward west from southeastern portion of site.



Photo #2 View toward northwest from southeastern portion of site.



Photo #3 View of scattered trash in southwestern portion of site.



Photo #4 View of scattered trash in southwestern portion of site.



Photo #5 Pad-mounted transformer in north-central portion of site.



Photo #6 View toward west from north-central portion of site.



Photo #7 Sewer pipeline placard and manhole in northern portion of site.



Photo #8 View toward east of northeastern portion of site; cable TV box in view.



Photo #9 View toward east offsite from northeastern portion of site, retail parking lot and Walmart.



Photo #10 View toward east offsite from southeastern portion of site, vacant, graded land and Walmart.



Photo #11 View toward northwest from north-central portion of site, retail parking lot.



Photo #12 View toward northeast from north-central portion of site, vacant, graded land.

APPENDIX C
HISTORICAL DOCUMENTATION



SW Corner of Escondido Avenue and Major Place

Not Reported

Hesperia, CA 92344

Inquiry Number: 4994402.4

July 17, 2017

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

07/17/17

Site Name:

SW Corner of Escondido Avenue
Not Reported
Hesperia, CA 92344
EDR Inquiry # 4994402.4

Client Name:

Terracon
1421 Edinger Avenue
Tustin, CA 92780
Contact: Ann Lauder milk



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

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	34.423724 34° 25' 25" North
Project:	CB177179	Longitude:	-117.374655 -117° 22' 29" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	465574.07
		UTM Y Meters:	3809202.91
		Elevation:	3513.06' above sea level

Maps Provided:

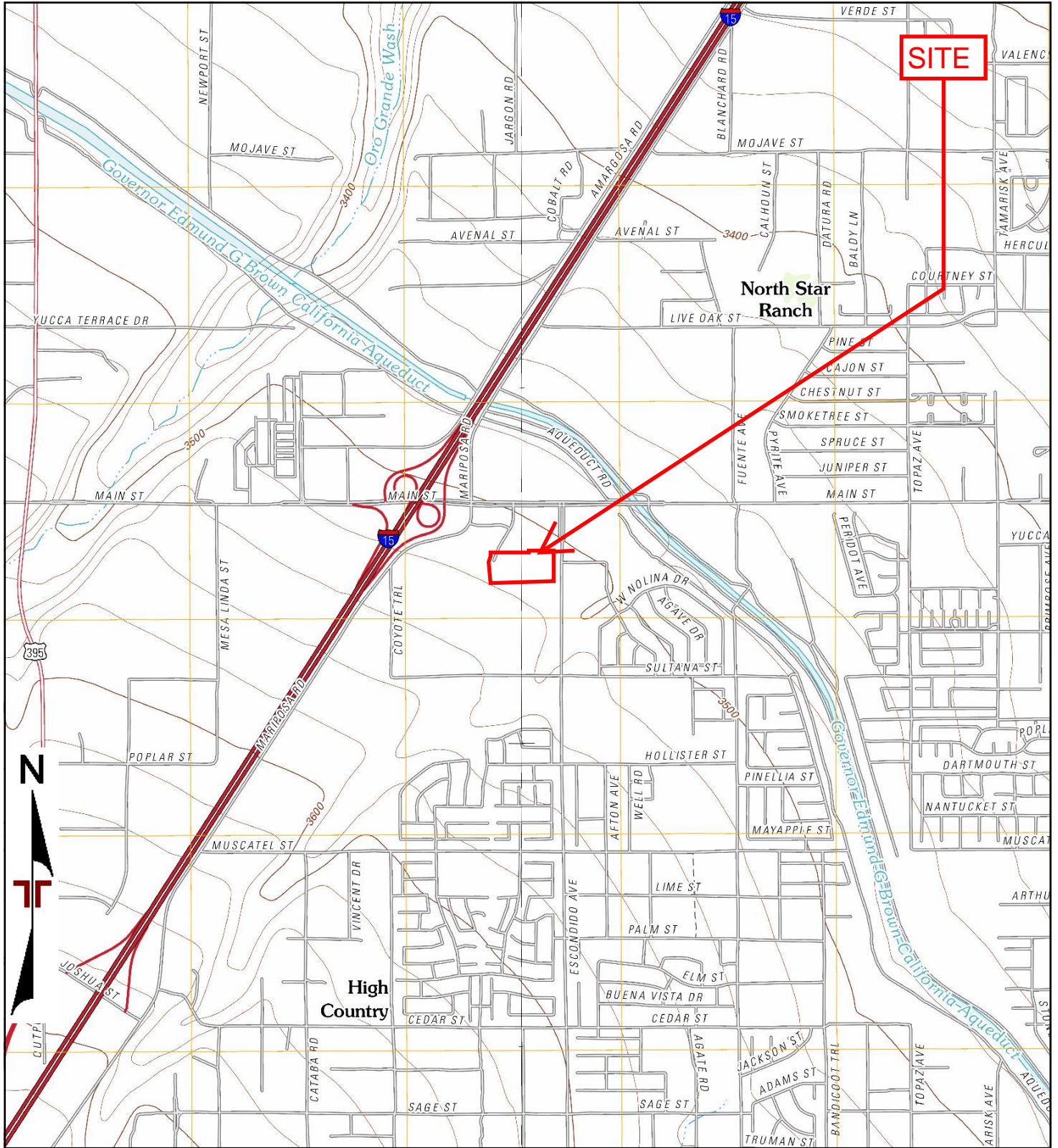
2012	1902
1996	
1988	
1980	
1968	
1956	
1947	
1942	

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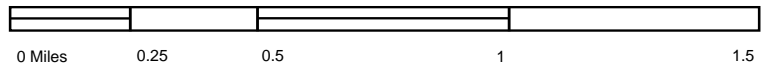
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TP, Hesperia, 2012, 7.5-minute
W, Baldy Mesa, 2012, 7.5-minute

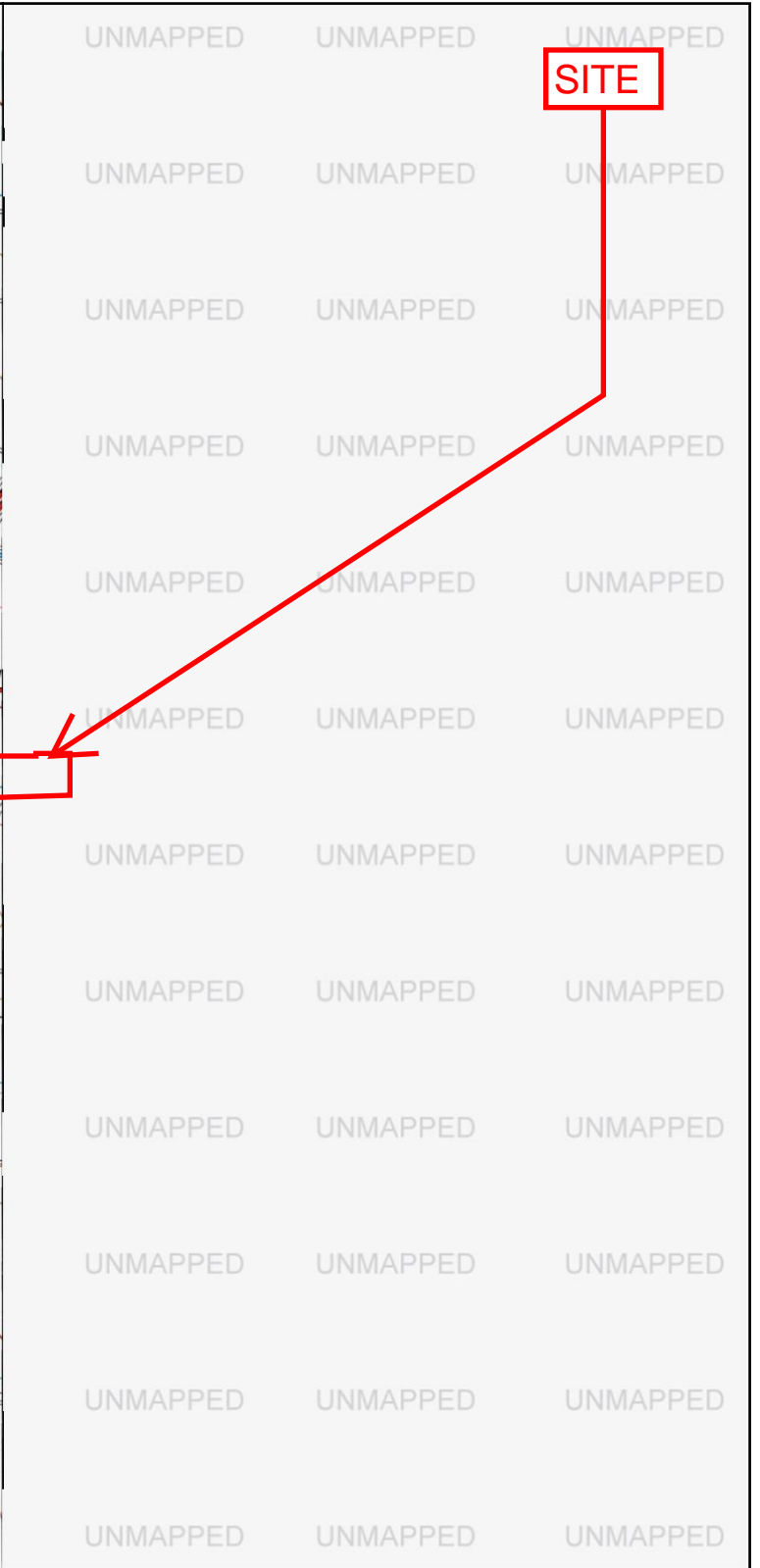
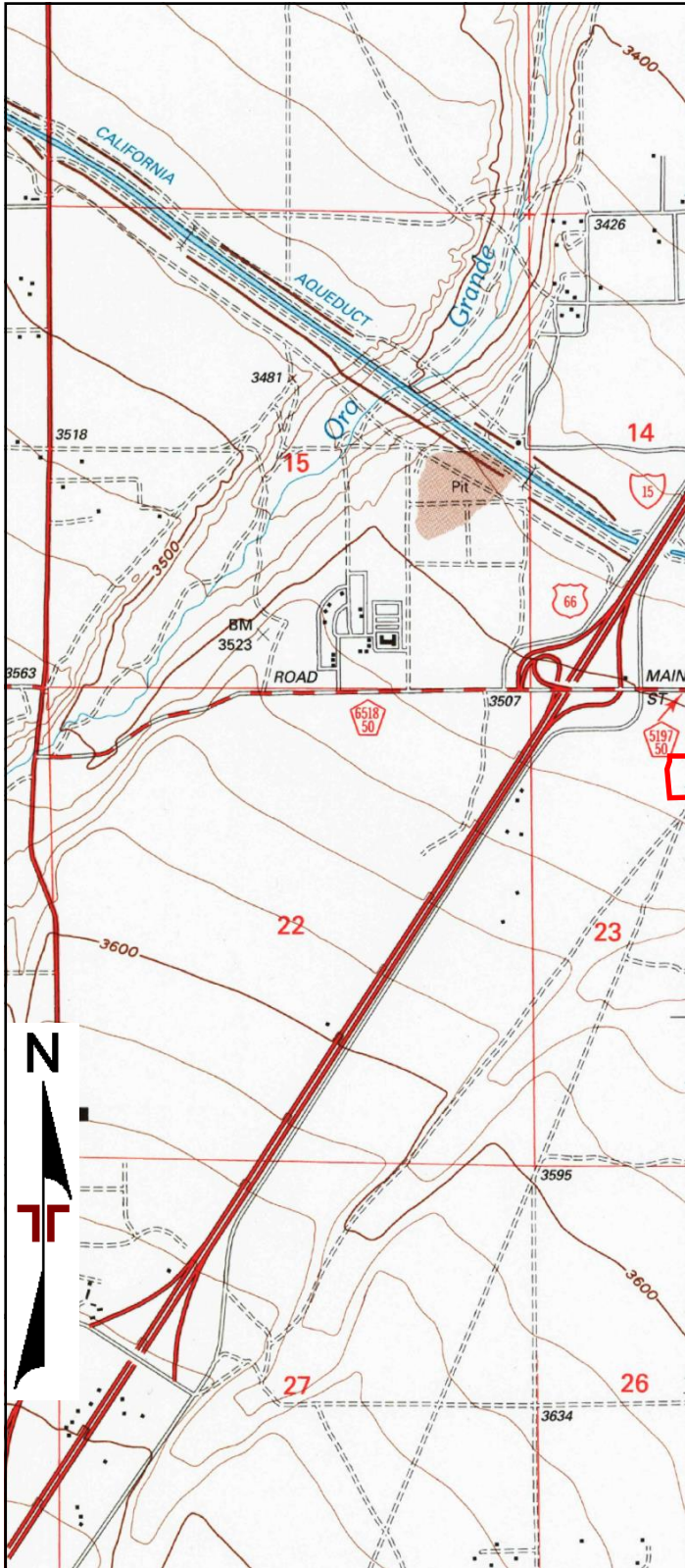


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Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 2012

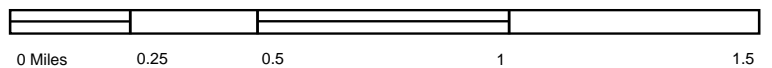
Terracon
1355 E. Cooley Drive
Colton, CA 92324

2012 TOPOGRAPHIC MAP
SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



W, Baldy Mesa, 1996, 7.5-minute



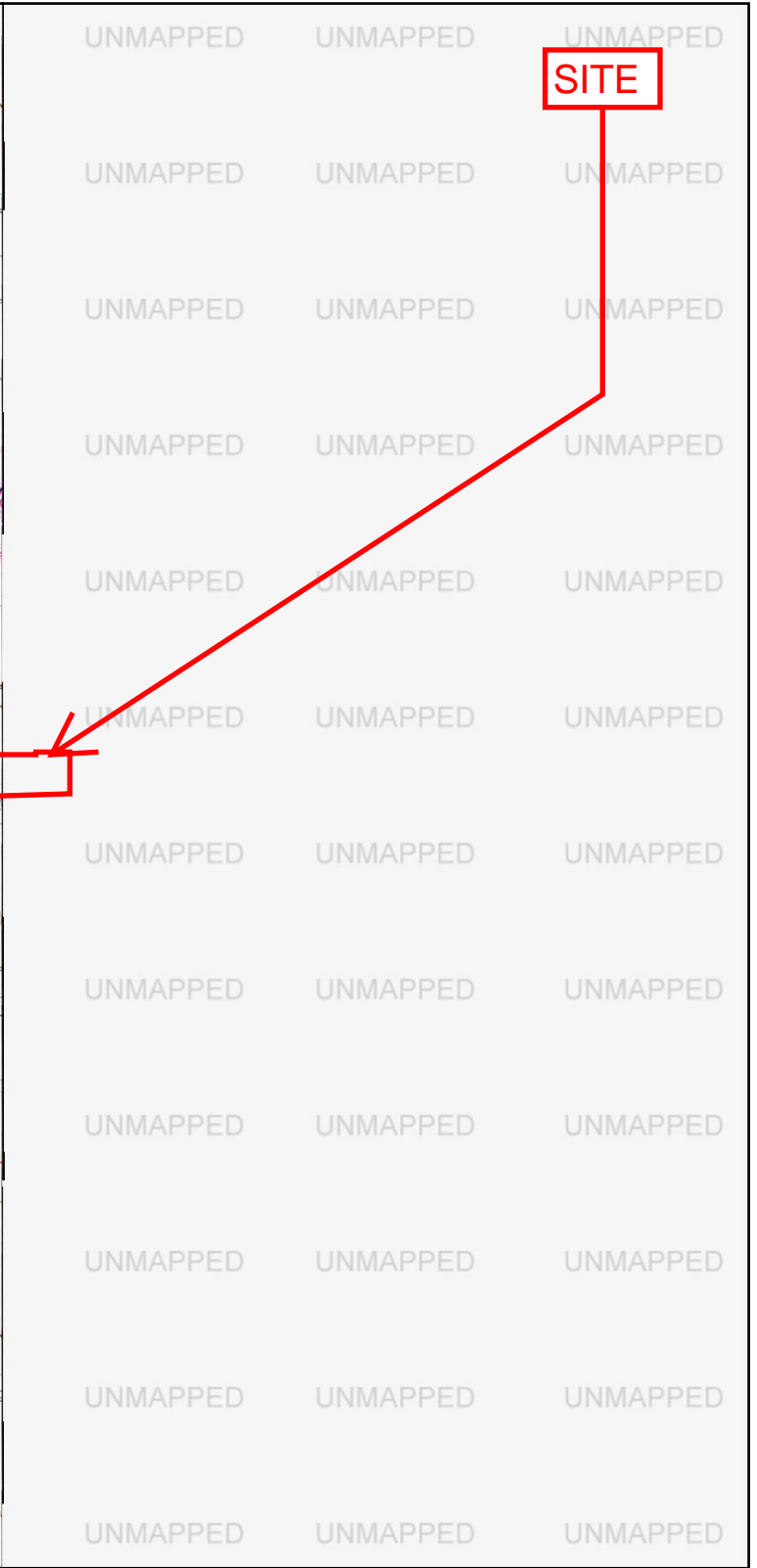
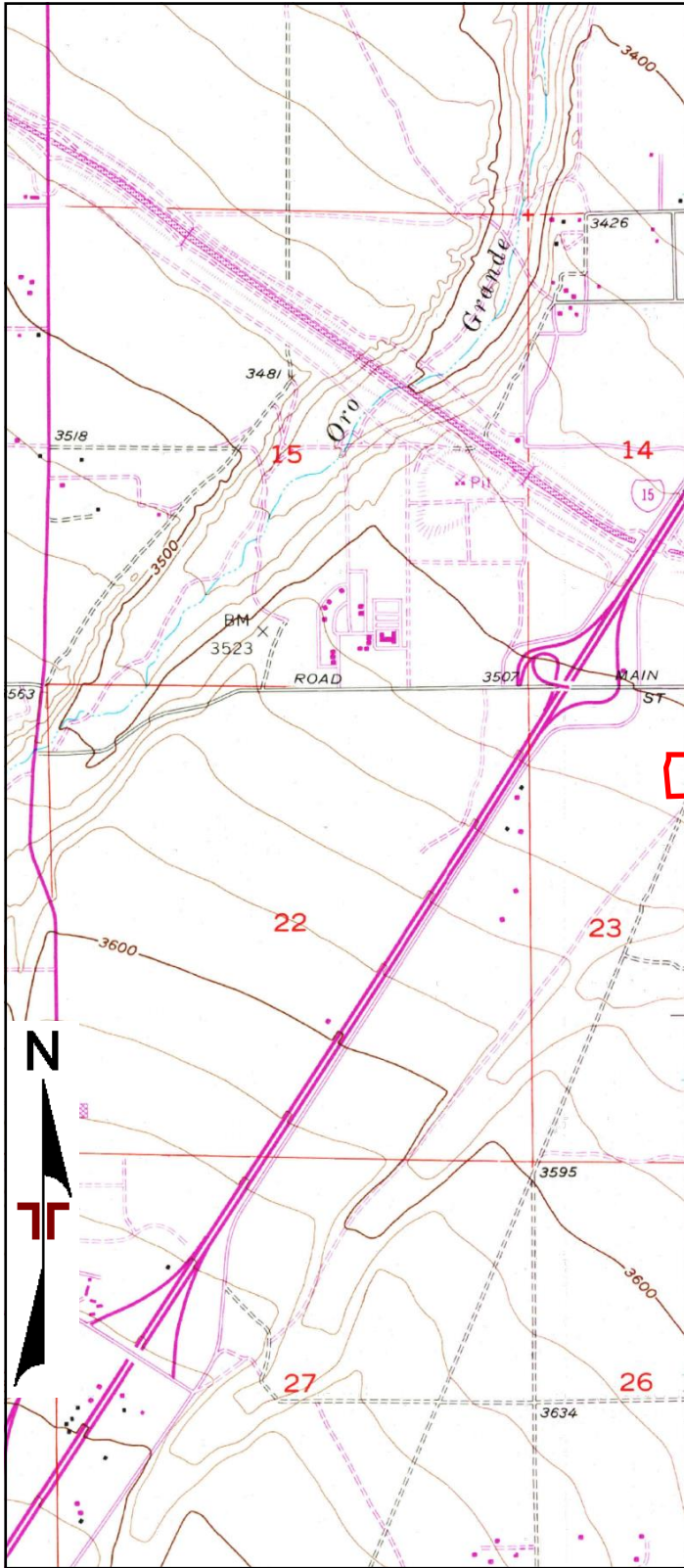
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1355 E. Cooley Drive
Colton, CA 92324

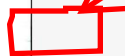
1996 TOPOGRAPHIC MAP

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

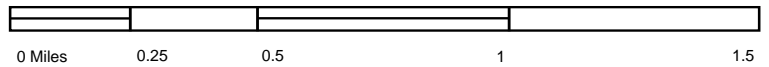
C



SITE



W, Baldy Mesa, 1988, 7.5-minute



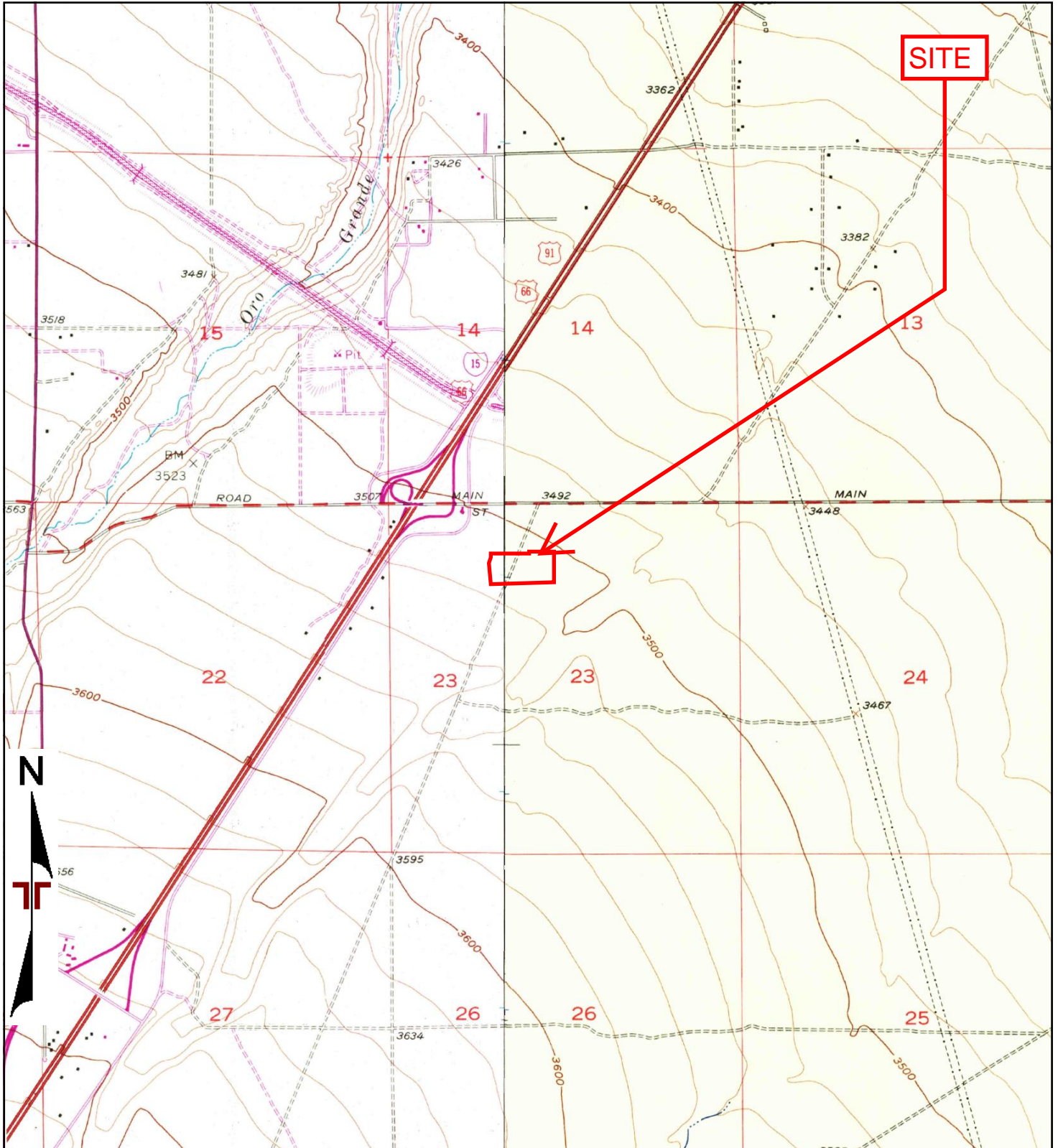
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Approved by:	Date: 1988

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1355 E. Cooley Drive
Colton, CA 92324

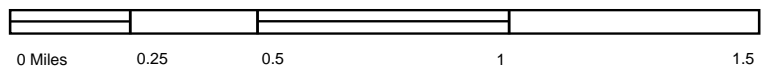
1988 TOPOGRAPHIC MAP

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



TP, Hesperia, 1980, 7.5-minute
W, Baldy Mesa, 1980, 7.5-minute

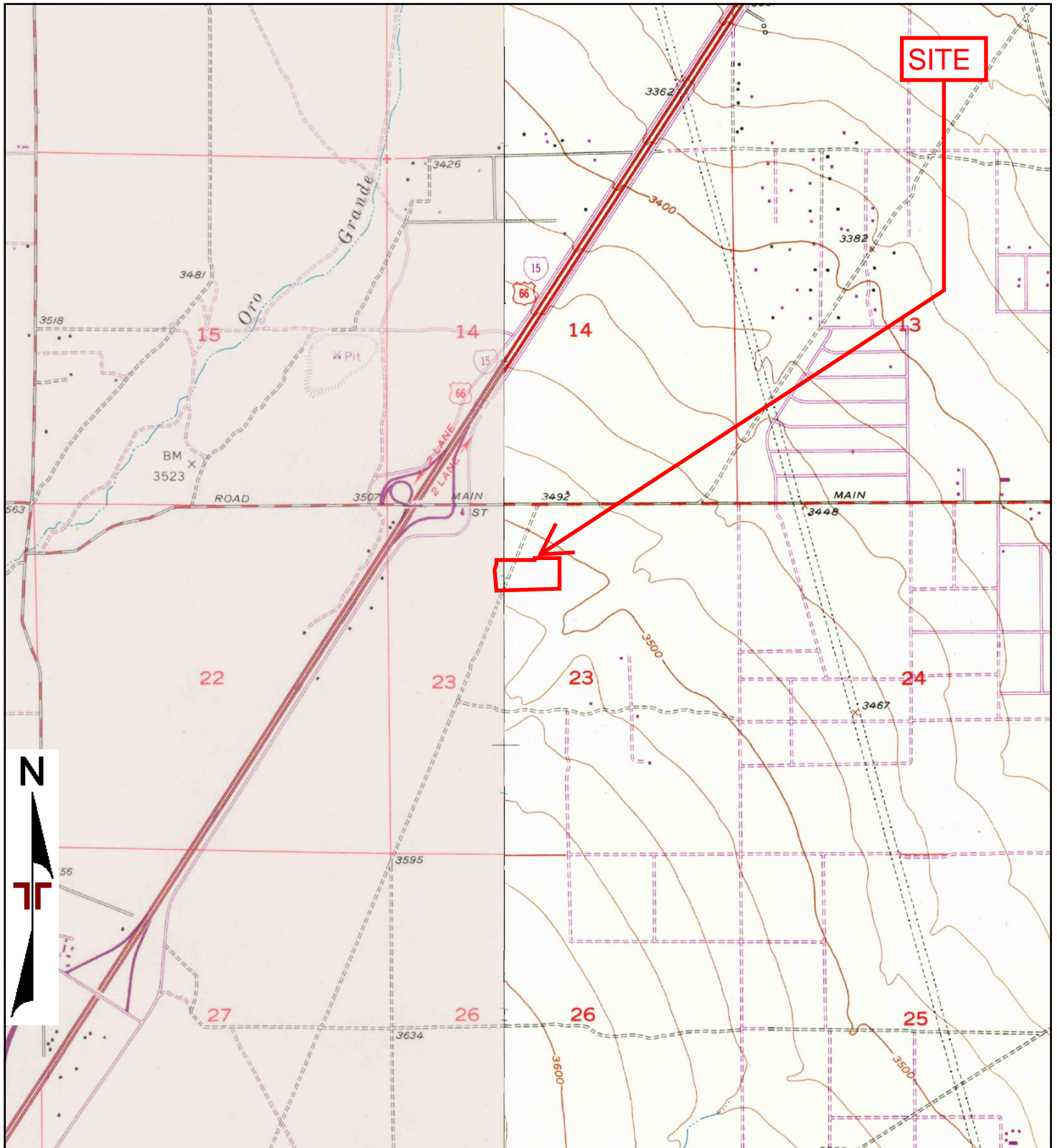


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Approved by:	Date: 1980

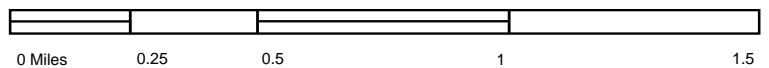
Terracon
1355 E. Cooley Drive
Colton, CA 92324

1980 TOPOGRAPHIC MAP
SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



TP, Hesperia, 1968, 7.5-minute
W, Baldy Mesa, 1968, 7.5-minute



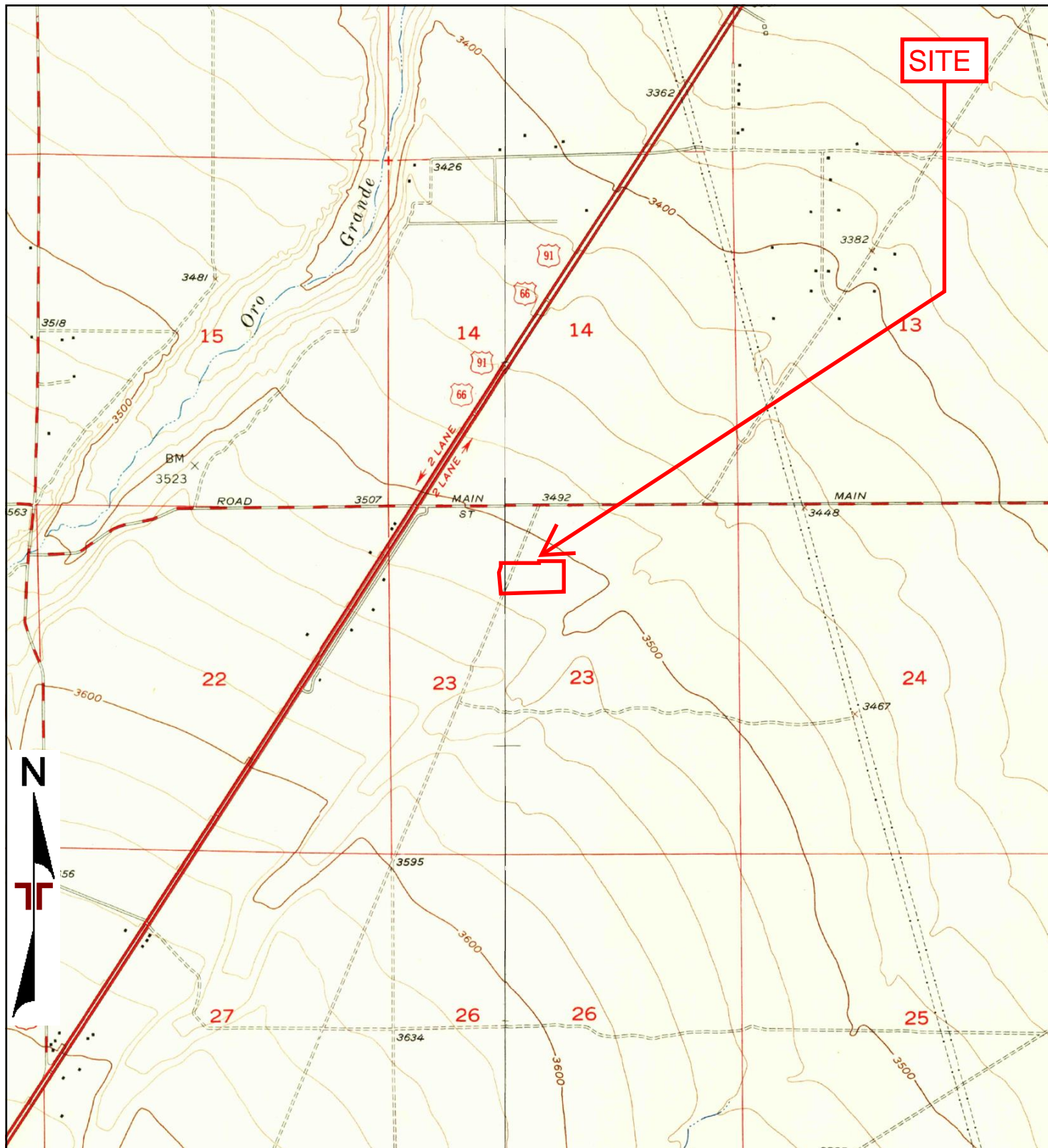
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Approved by:	Date: 1968

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Colton, CA 92324

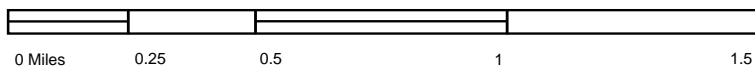
1968 TOPOGRAPHIC MAP

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



TP, Hesperia, 1956, 7.5-minute
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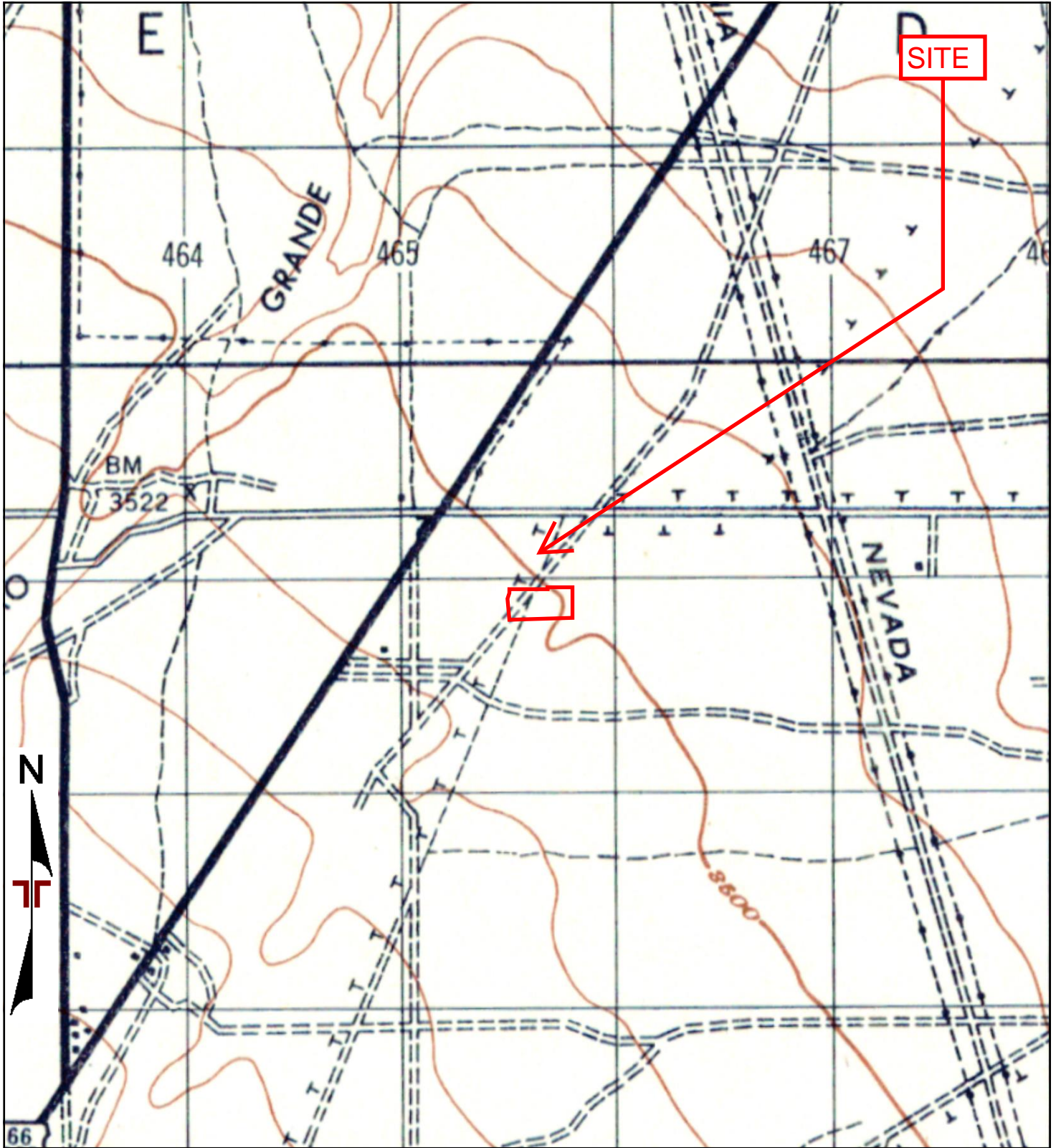


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Approved by:	Date: 1956

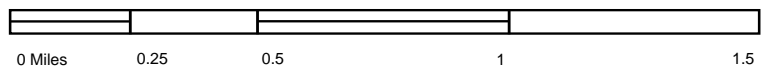
Terracon
1355 E. Cooley Drive
Colton, CA 92324

1956 TOPOGRAPHIC MAP
SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



TP, HESPERIA, 1947, 15-minute



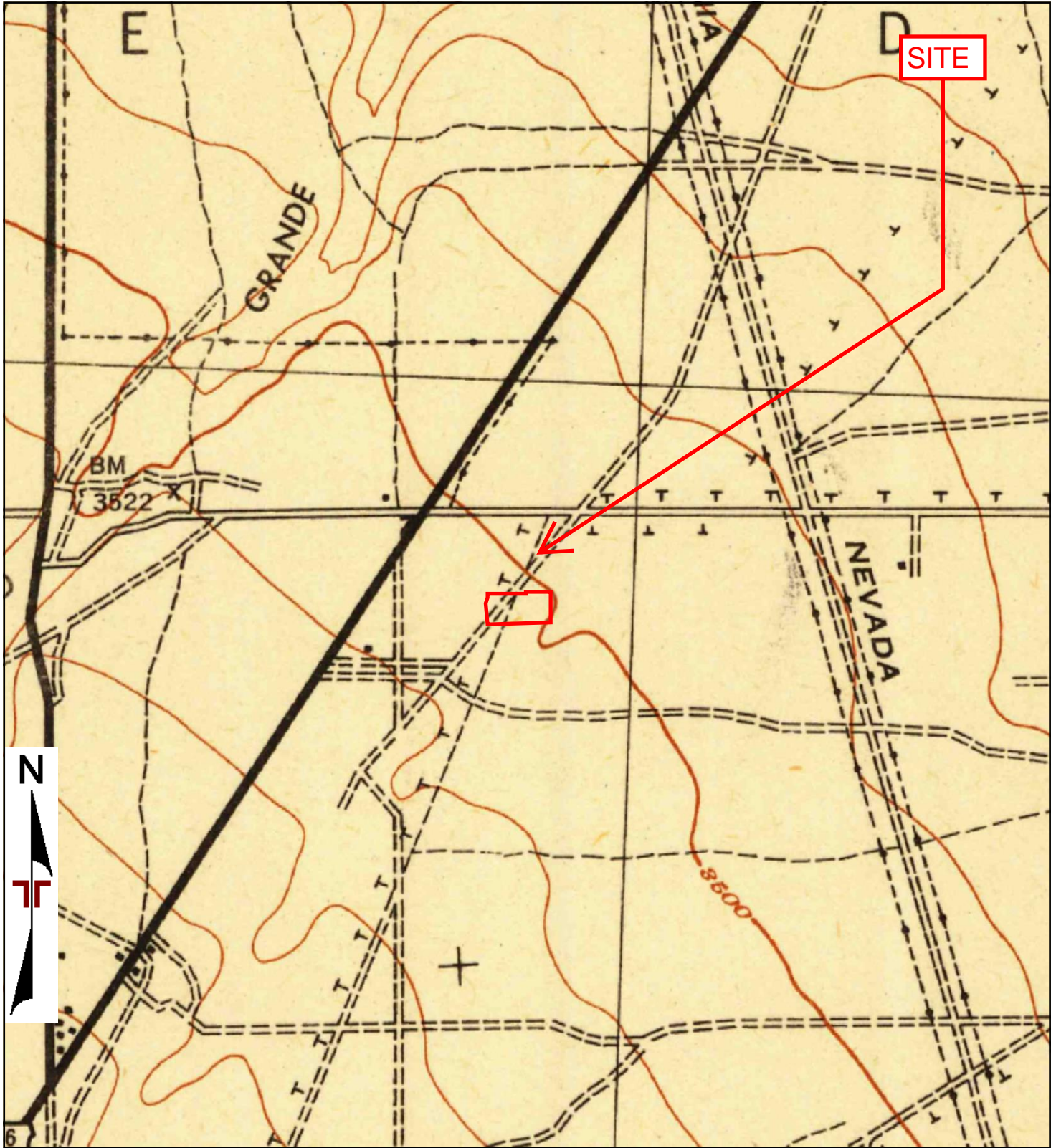
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1355 E. Cooley Drive
Colton, CA 92324

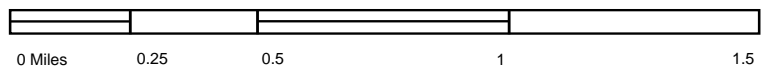
1947 TOPOGRAPHIC MAP

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



TP, Hesperia, 1942, 15-minute



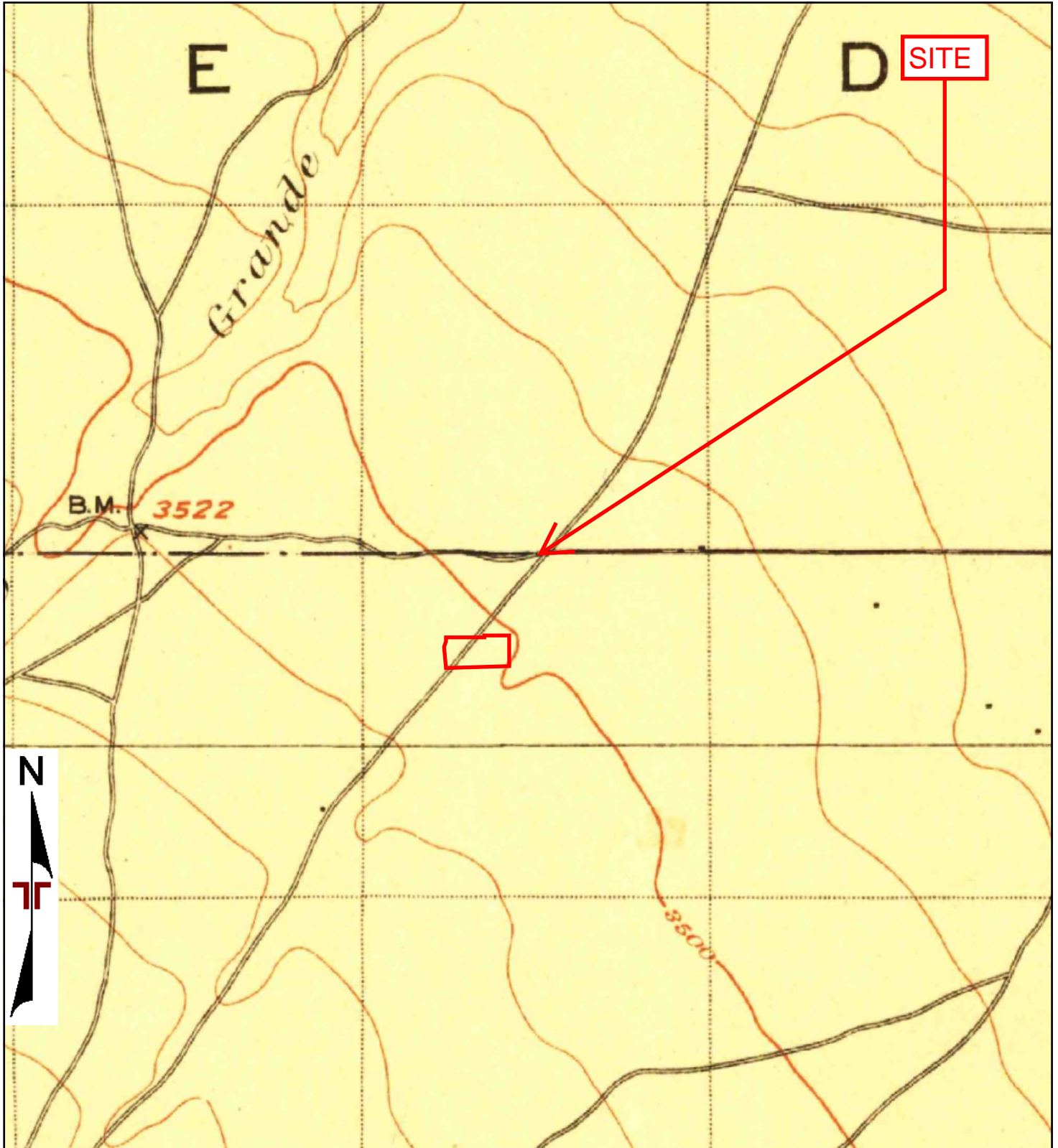
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Terracon
1355 E. Cooley Drive
Colton, CA 92324

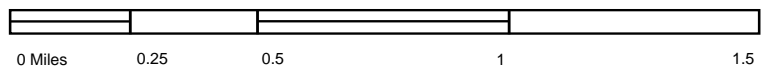
1942 TOPOGRAPHIC MAP

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



TP, Hesperia, 1902, 15-minute



Project Manager:	Project No. CB177179
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1902

Terracon
1355 E. Cooley Drive
Colton, CA 92324

1902 TOPOGRAPHIC MAP

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



SW Corner of Escondido Avenue and Major Place

Not Reported

Hesperia, CA 92344

Inquiry Number: 4994402.9

July 17, 2017

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

07/17/17

Site Name:

SW Corner of Escondido Avenue
Not Reported
Hesperia, CA 92344
EDR Inquiry # 4994402.9

Client Name:

Terracon
1421 Edinger Avenue
Tustin, CA 92780
Contact: Ann Lauder milk



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1995	1"=500'	Acquisition Date: October 07, 1995	USGS/DOQQ
1985	1"=500'	Flight Date: July 28, 1985	USDA
1975	1"=500'	Flight Date: August 01, 1975	USGS
1968	1"=500'	Flight Date: August 01, 1968	USDA
1959	1"=500'	Flight Date: June 22, 1959	USDA
1953	1"=500'	Flight Date: January 23, 1953	USDA
1949	1"=500'	Flight Date: May 21, 1949	USDA

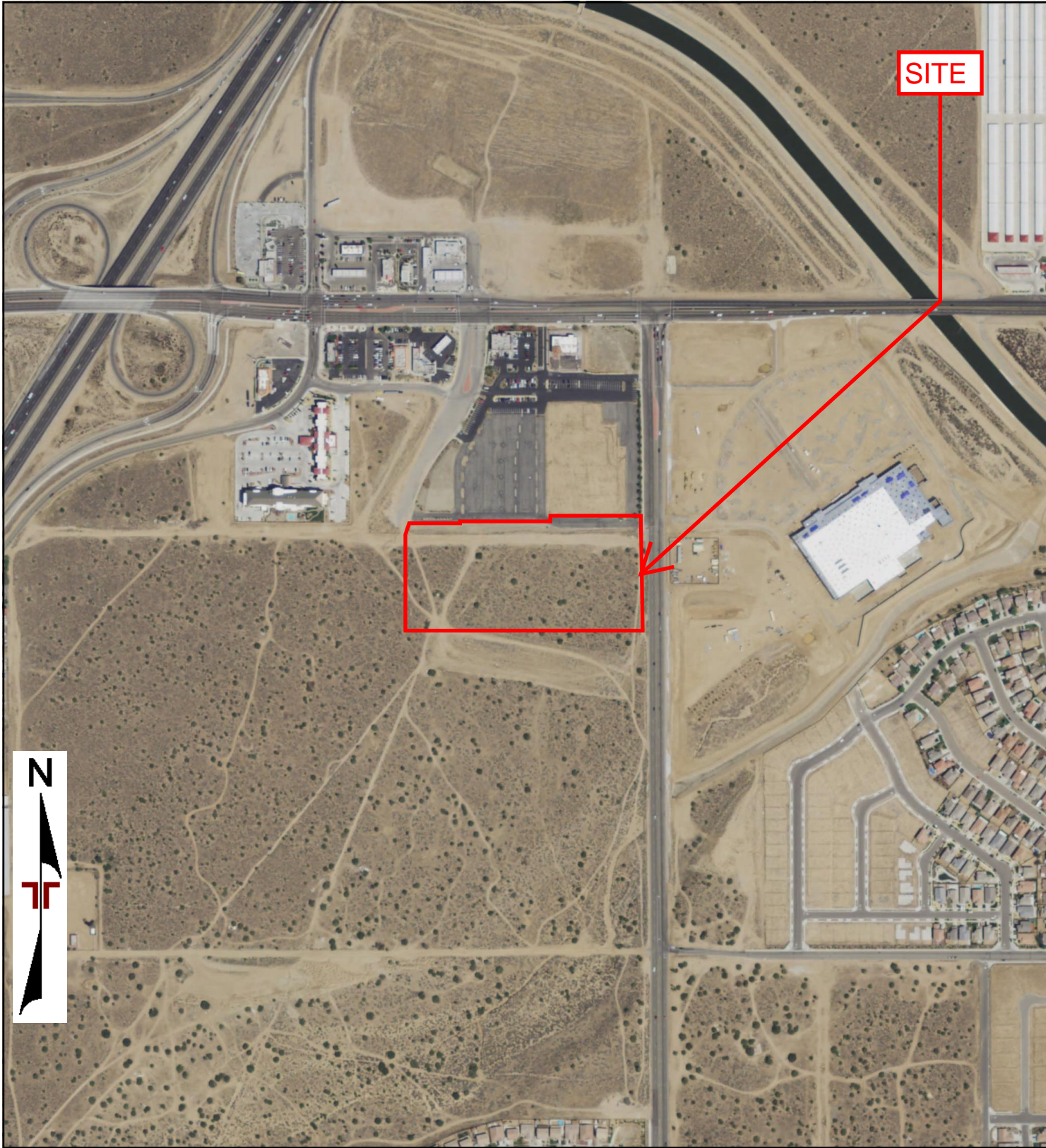
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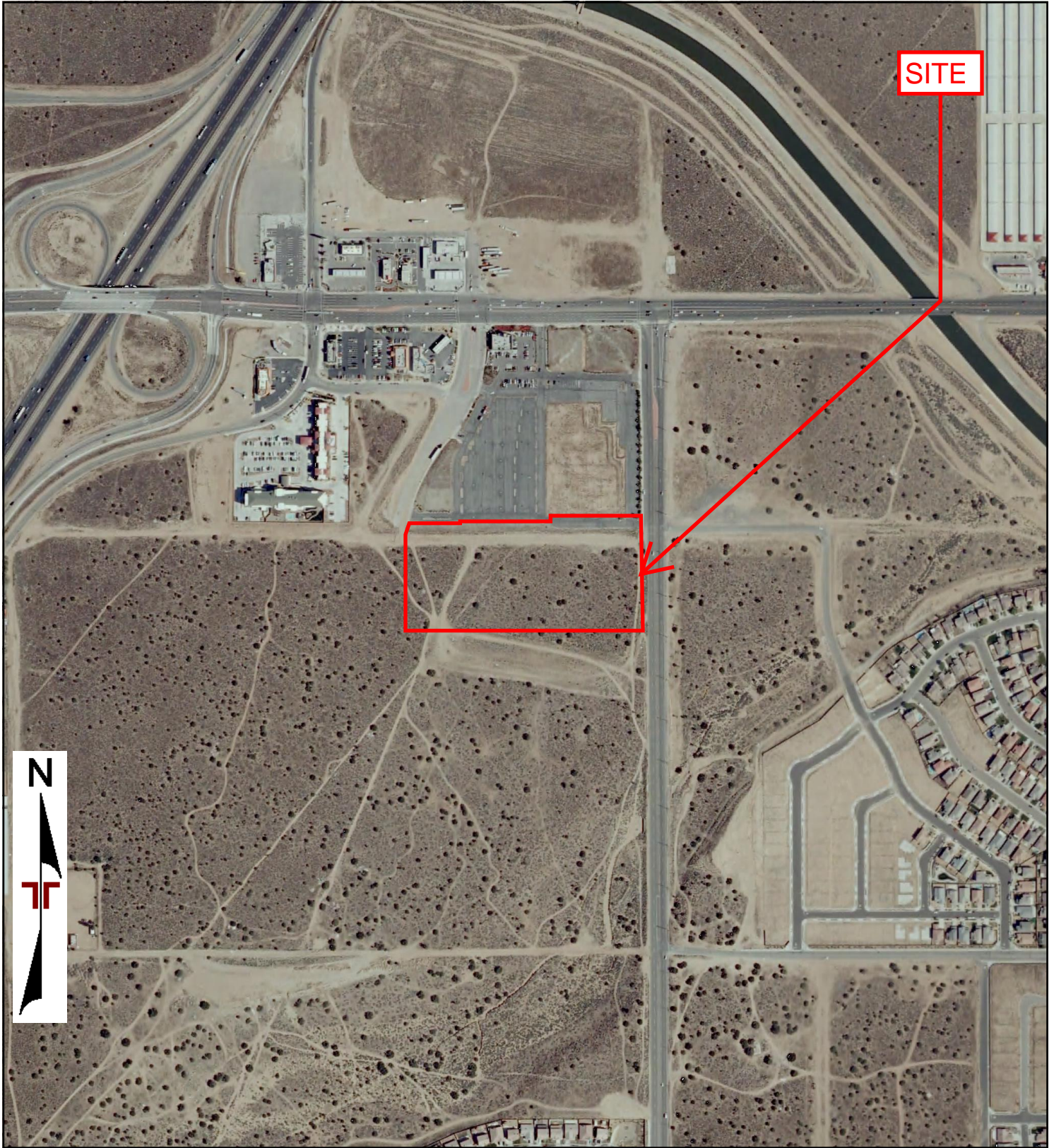
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0 Feet 500 1000 2000

Project Manager:	Project No: CB177179	 1355 E. Cooley Drive Colton, CA 92324	2012 AERIAL PHOTOGRAPH	C
Drawn by:	Scale:		SW Corner of Escondido Avenue and Major Place	
Checked by:	File Name:		Hesperia, CA 92344	
Approved by:	Date: 2012			



0 Feet

500

1000

2000

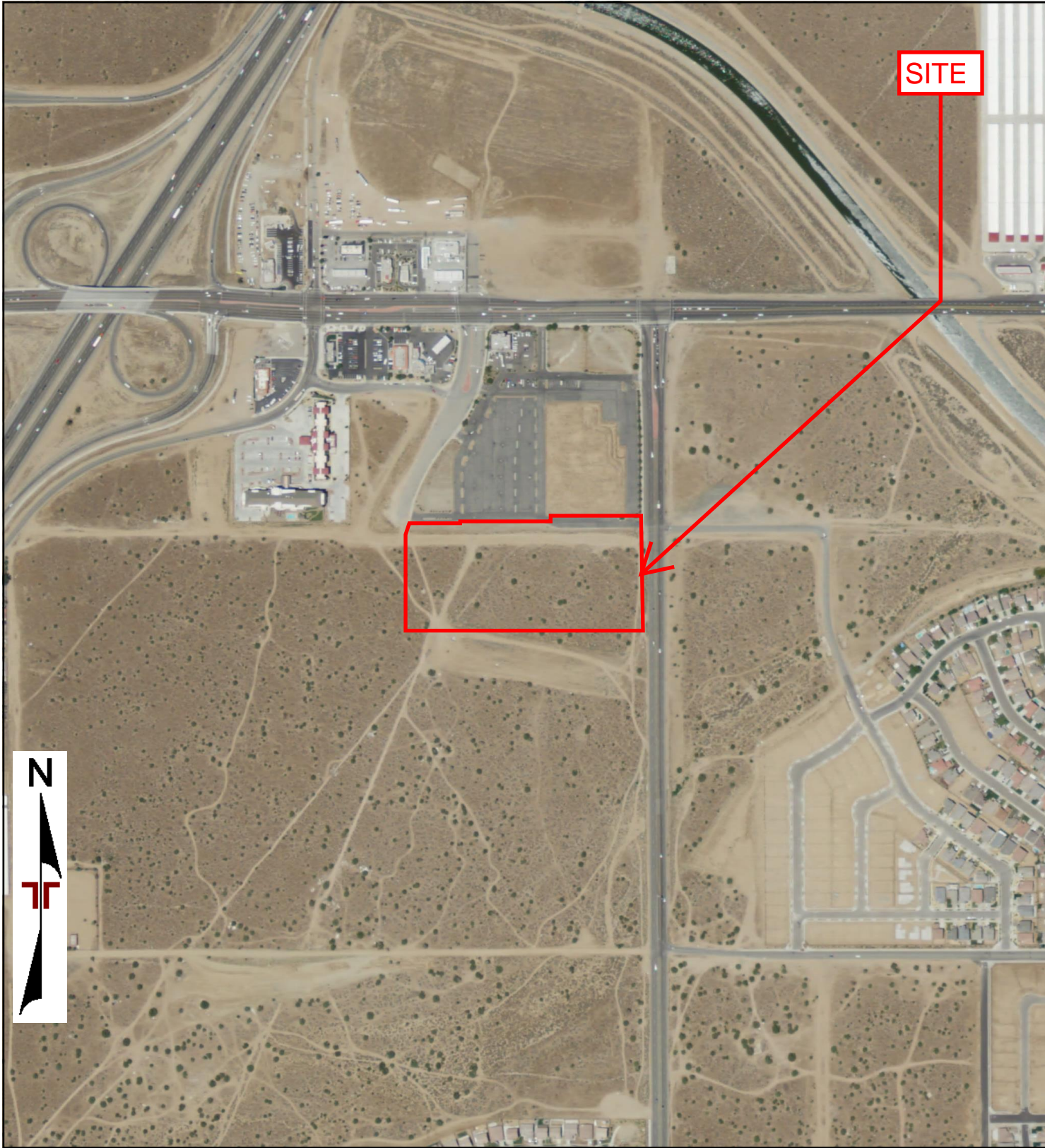
Project Manager:	Project No: CB177179
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 2010

Terracon
1355 E. Cooley Drive
Colton, CA 92324


2010 AERIAL PHOTOGRAPH

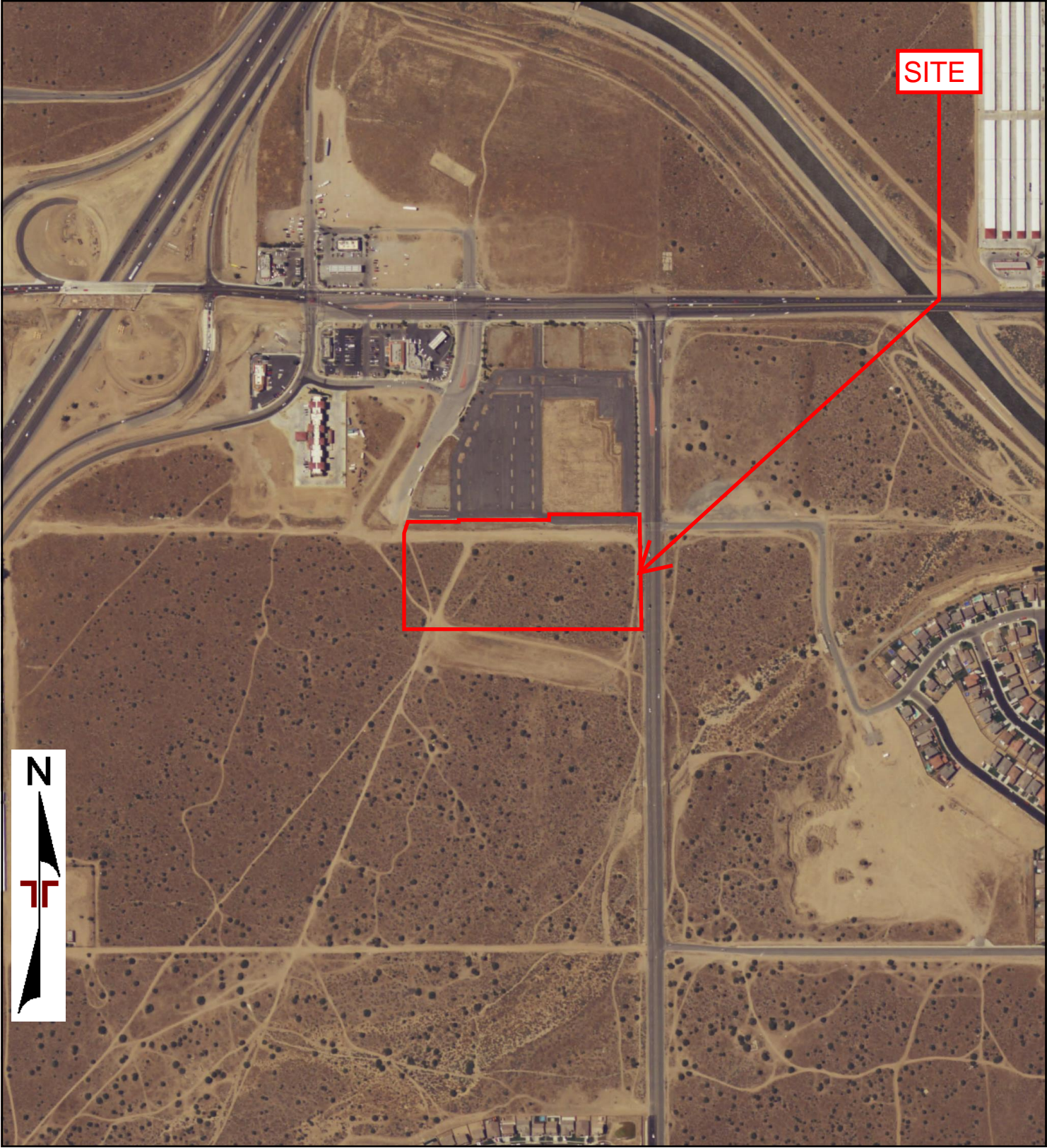
SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



0 Feet 500 1000 2000

Project Manager:	Project No: CB177179	 1355 E. Cooley Drive Colton, CA 92324	2009 AERIAL PHOTOGRAPH	C
Drawn by:	Scale:		SW Corner of Escondido Avenue and Major Place	
Checked by:	File Name:		Hesperia, CA 92344	
Approved by:	Date: 2009			



0 Feet 500 1000 2000

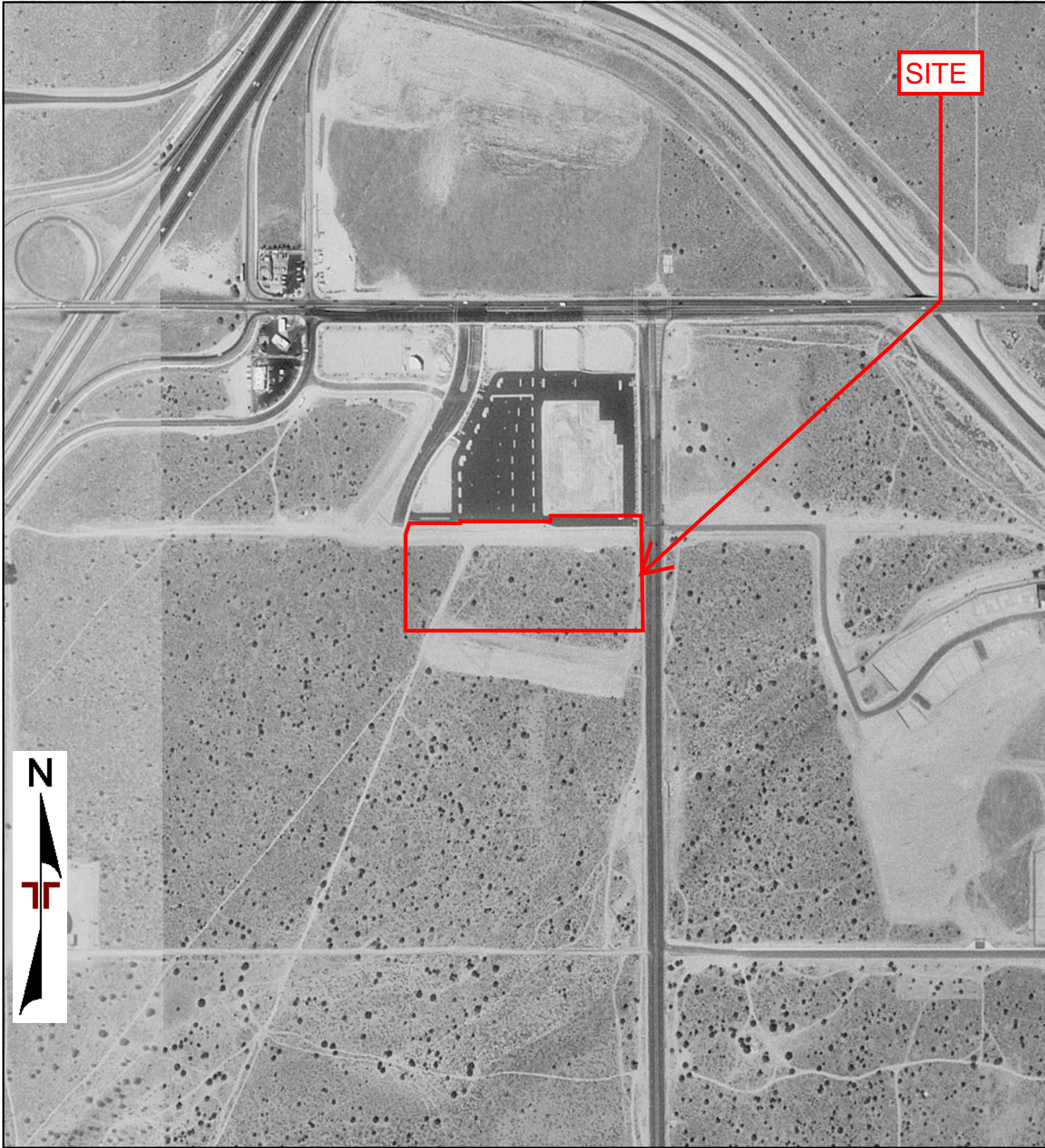
Project Manager:	Project No. CB177179
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 2005



1355 E. Cooley Drive
Colton, CA 92324

2005 AERIAL PHOTOGRAPH
SW Corner of Escondido Avenue and Major Place Hesperia, CA 92344

C



0 Feet

500

1000

2000

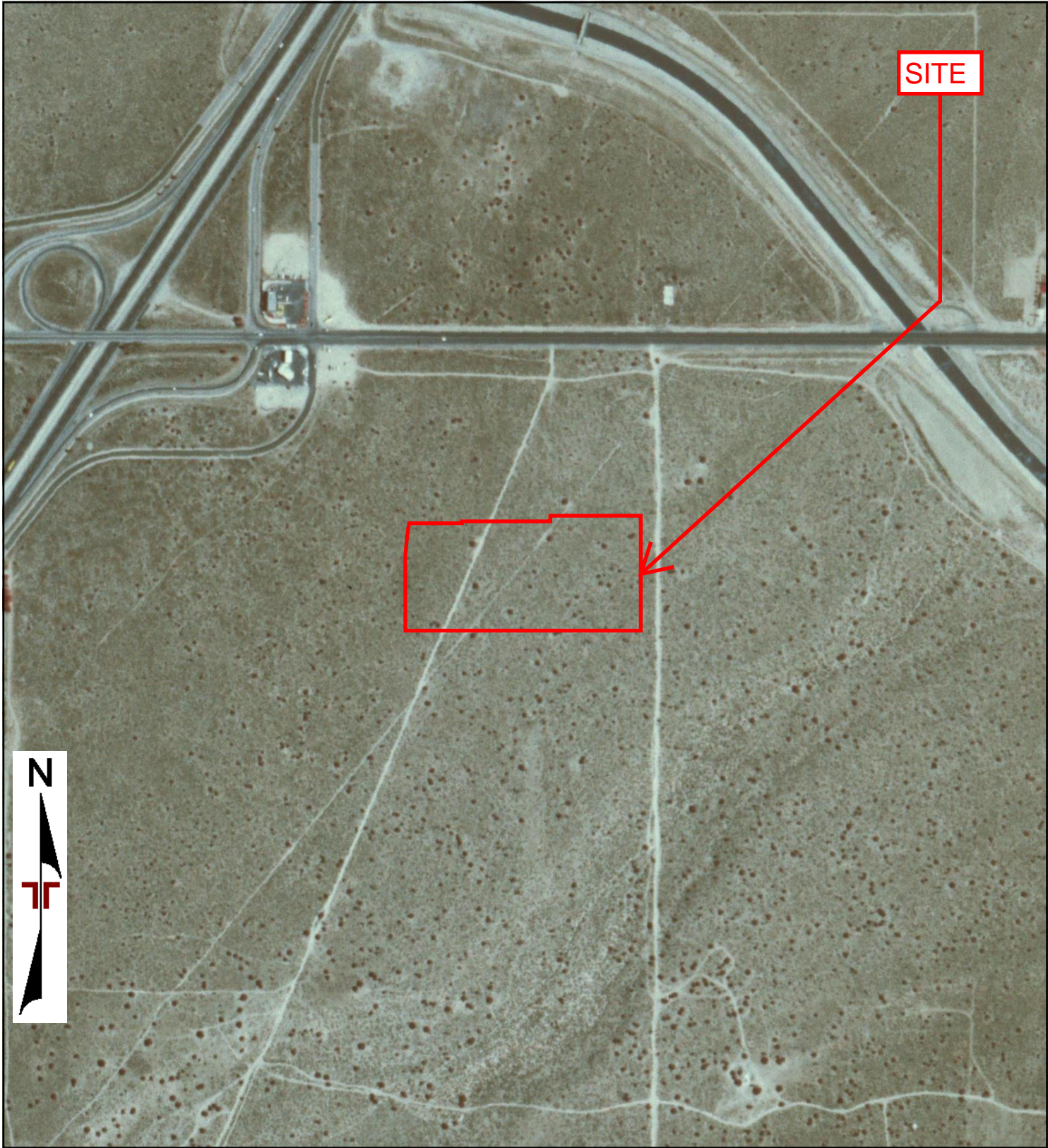
Project Manager:	Project No. CB177179
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1995

Terracon
1355 E. Cooley Drive
Colton, CA 92324

1995 AERIAL PHOTOGRAPH

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



0 Feet 500 1000 2000

Project Manager:	Project No. CB177179
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1985

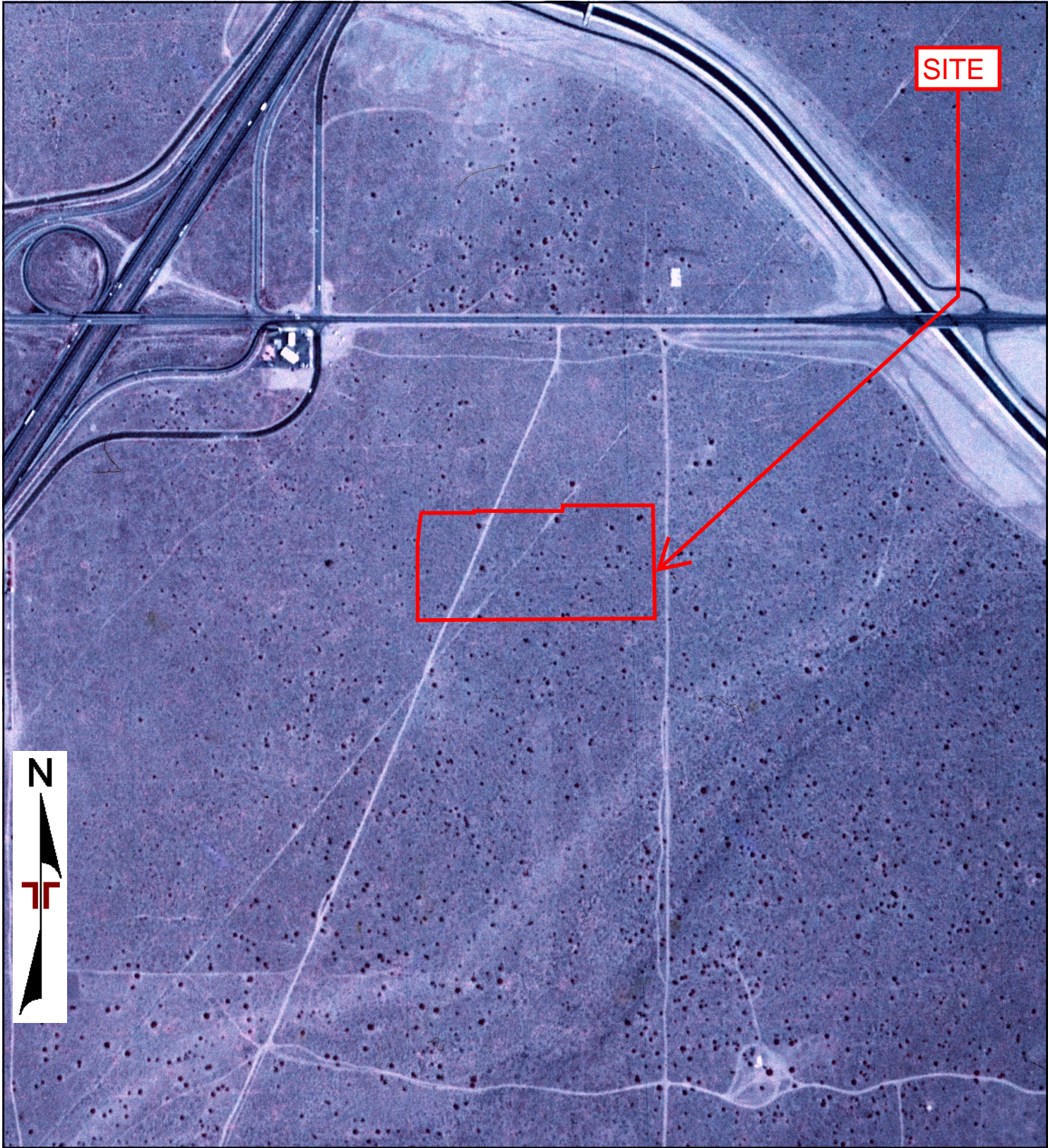


1355 E. Cooley Drive
Colton, CA 92324

1985 AERIAL PHOTOGRAPH

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



0 Feet

500

1000

2000

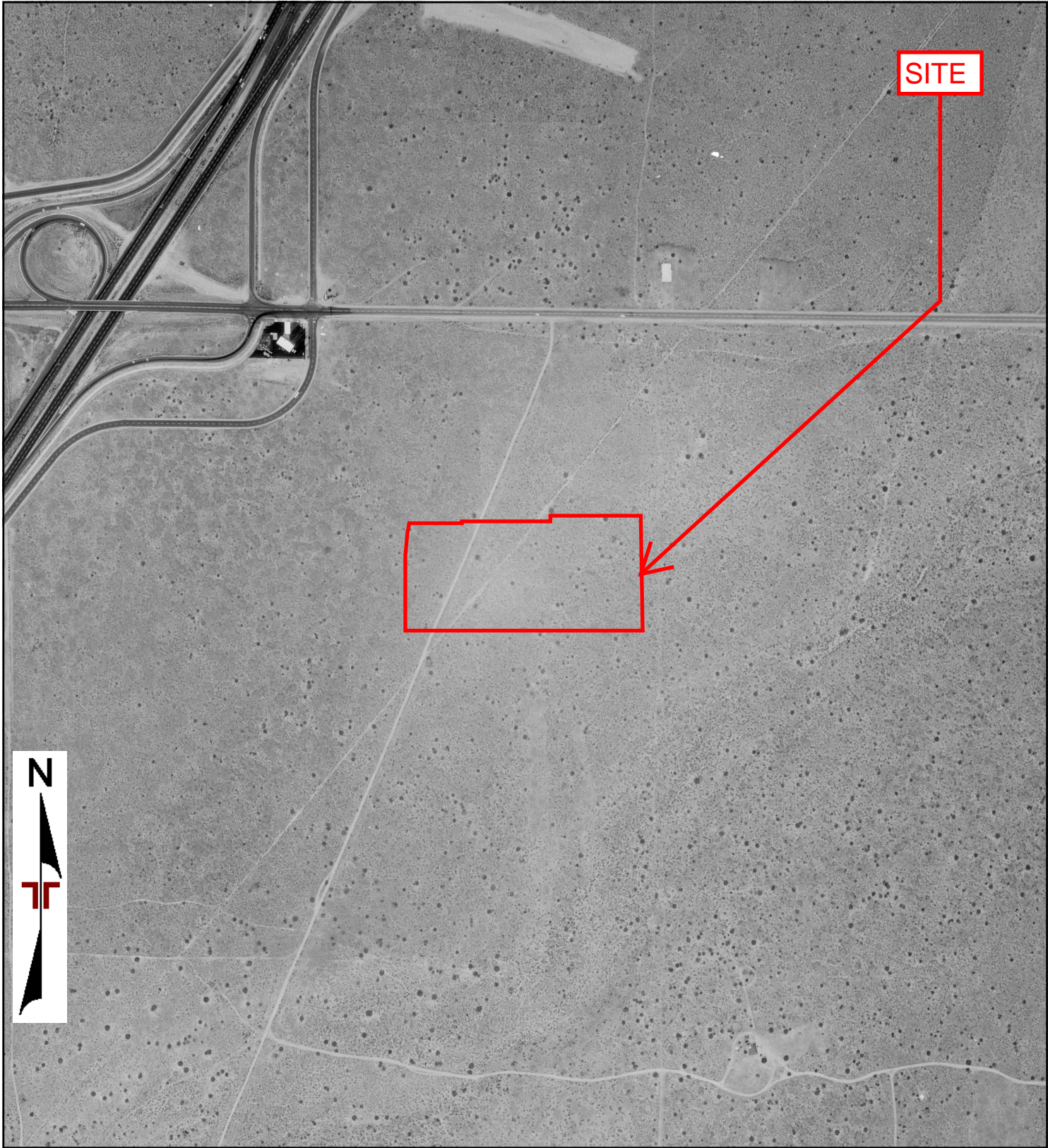
Project Manager:	Project No: CB177179
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1975

Terracon
1355 E. Cooley Drive
Colton, CA 92324

1975 AERIAL PHOTOGRAPH

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



0 Feet

500

1000

2000

Project Manager:

Project No.
CB177179

Drawn by:

Scale:

Checked by:

File Name:

Approved by:

Date:

1968

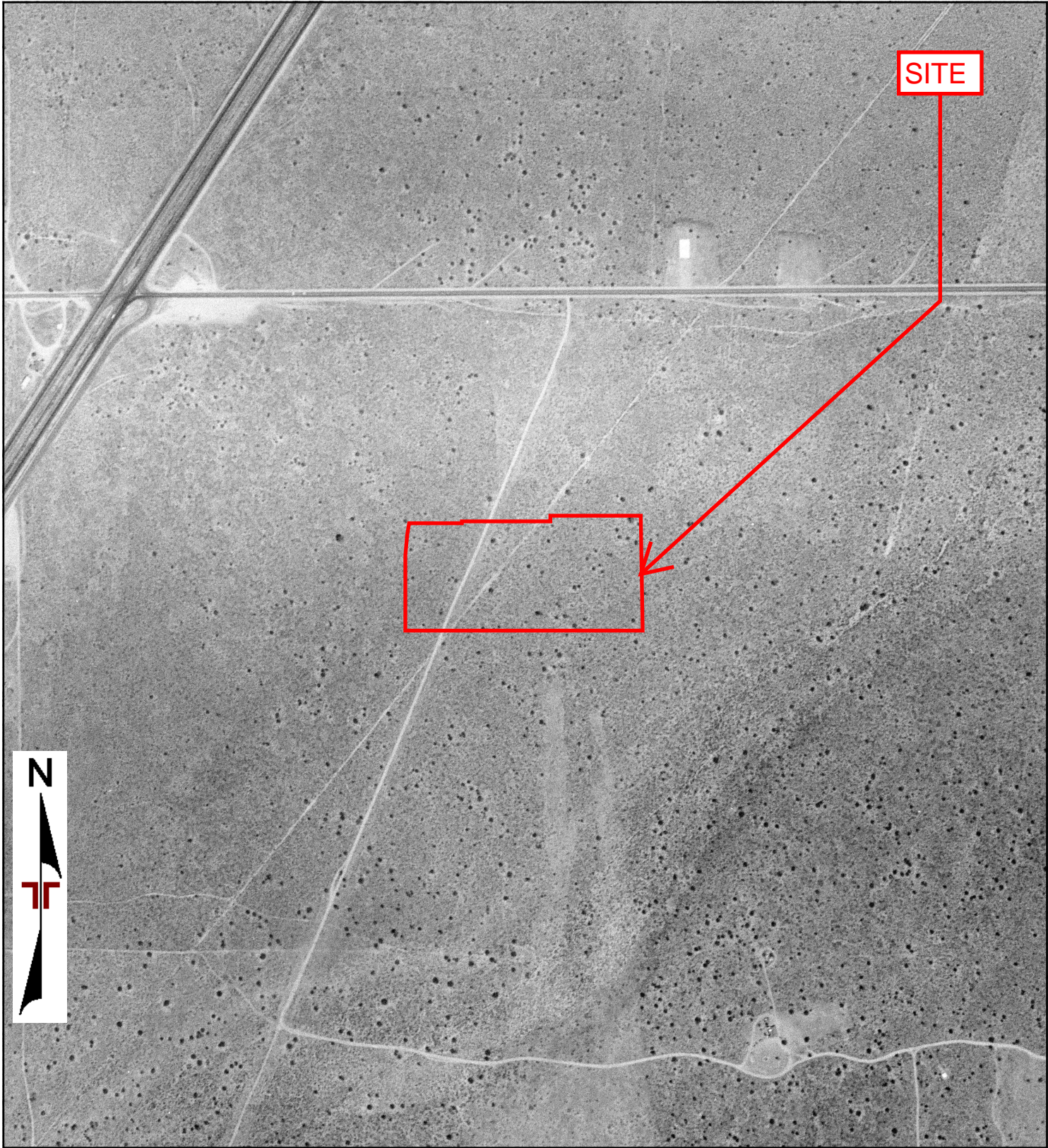
Terracon

1355 E. Cooley Drive
Colton, CA 92324

1968 AERIAL PHOTOGRAPH

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



0 Feet

500

1000

2000

Project Manager:

Project No.
CB177179

Drawn by:

Scale:

Checked by:

File Name:

Approved by:

Date:

1959

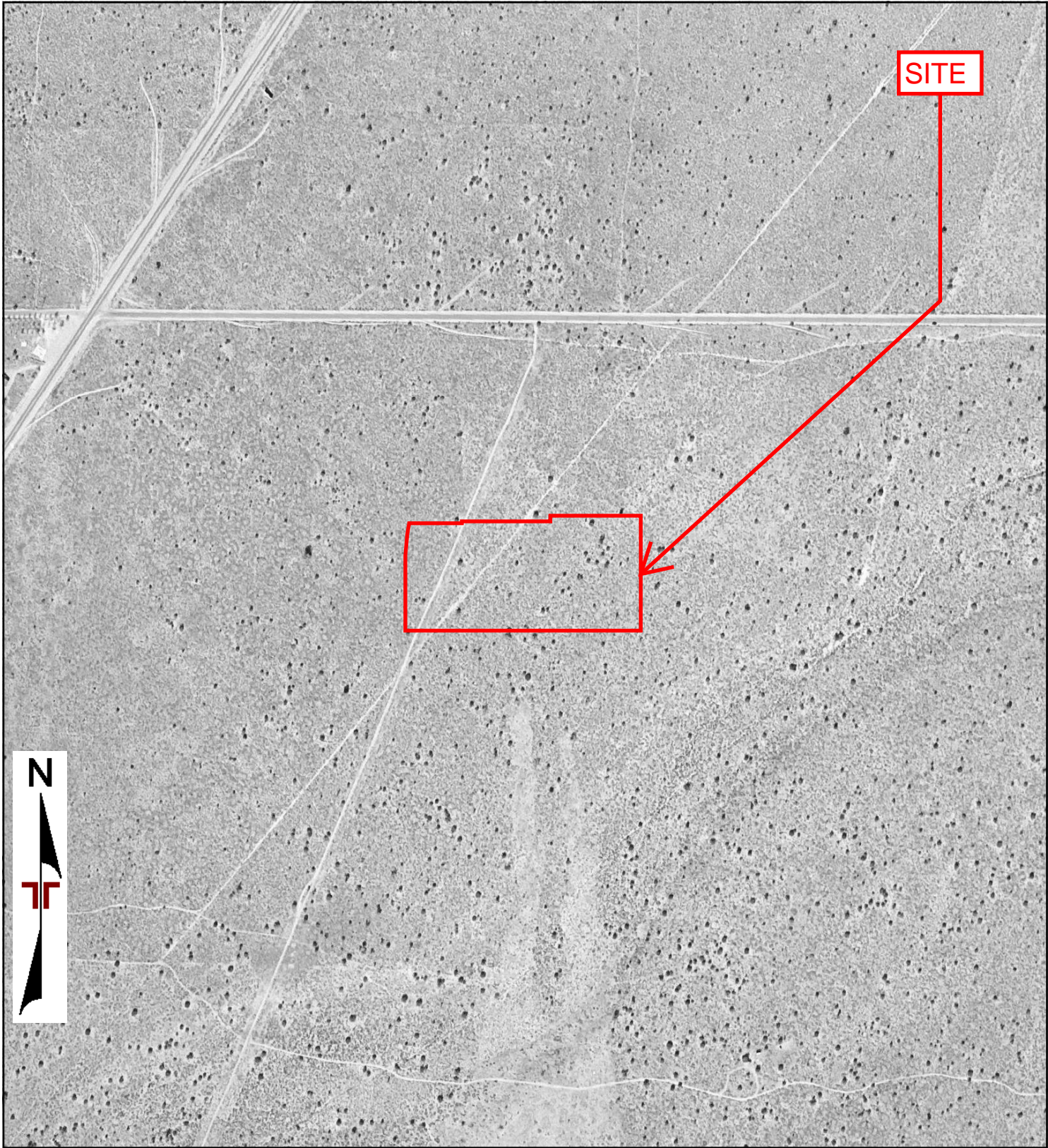
Terracon

1355 E. Cooley Drive
Colton, CA 92324

1959 AERIAL PHOTOGRAPH

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



0 Feet 500 1000 2000

Project Manager:	Project No: CB177179
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date: 1953

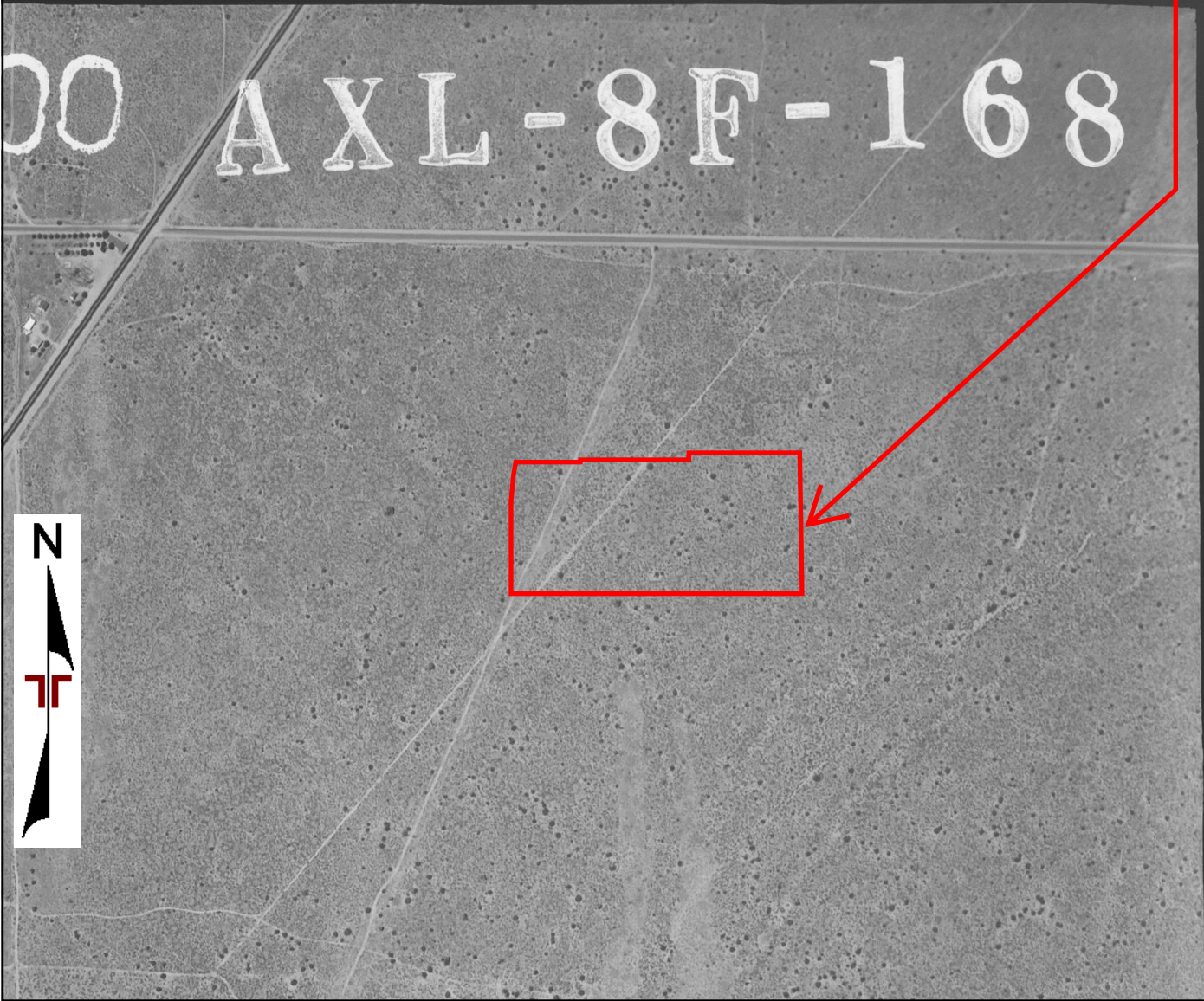


1355 E. Cooley Drive
Colton, CA 92324


1953 AERIAL PHOTOGRAPH

SW Corner of Escondido Avenue
and Major Place
Hesperia, CA 92344

C



0 Feet 500 1000 2000

Project Manager:	Project No: CB177179	 1355 E. Cooley Drive Colton, CA 92324	1949 AERIAL PHOTOGRAPH	C
Drawn by:	Scale:		SW Corner of Escondido Avenue and Major Place	
Checked by:	File Name:		Hesperia, CA 92344	
Approved by:	Date: 1949			

APPENDIX D
ENVIRONMENTAL DATABASE INFORMATION

SW Corner of Escondido Avenue and Major Place

Not Reported

Hesperia, CA 92344

Inquiry Number: 4994402.2s

July 17, 2017

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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

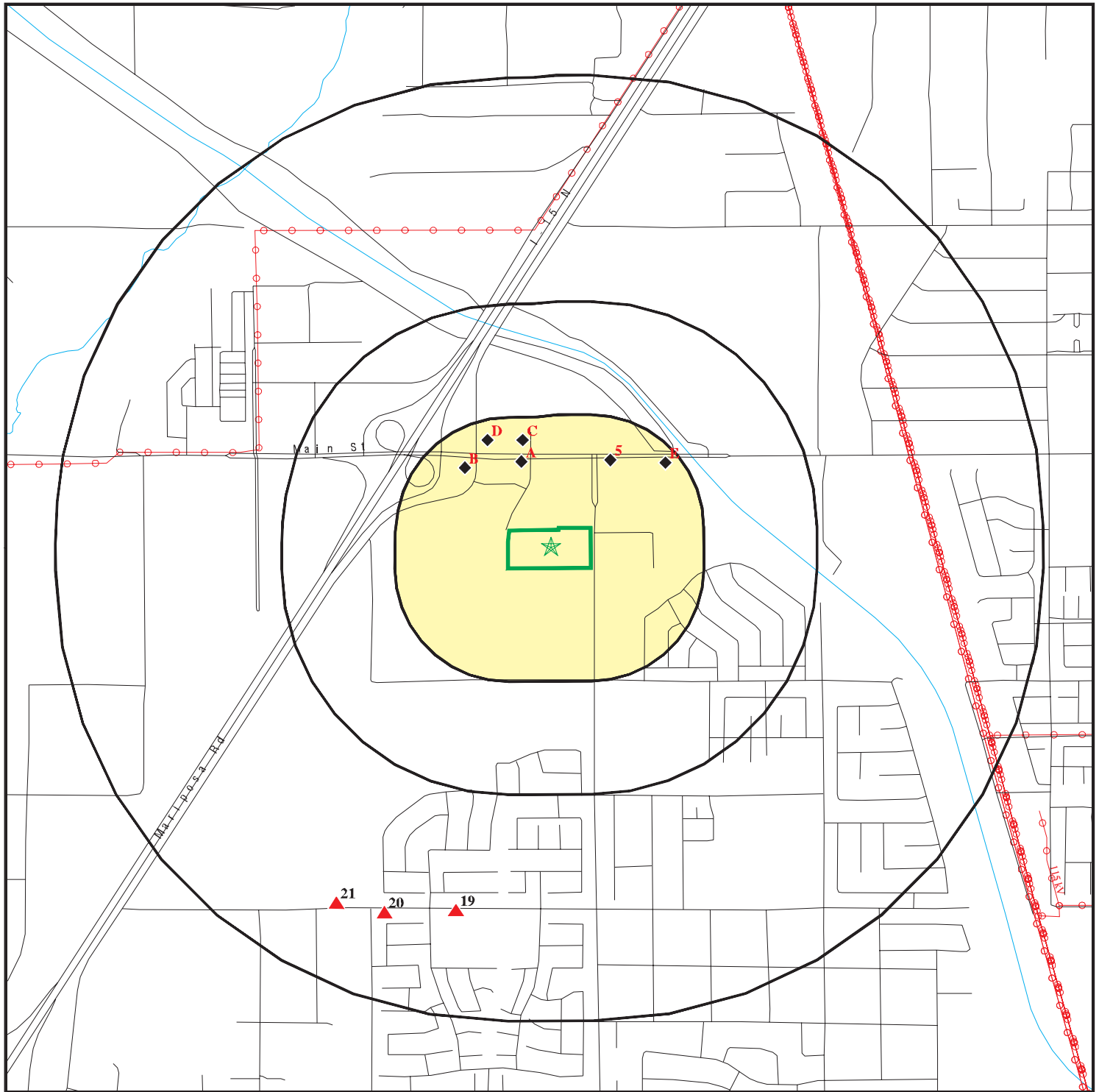
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OVERVIEW MAP - 4994402.2S



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property


 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites


 Indian Reservations BIA

 Power transmission lines

 100-year flood zone

 500-year flood zone

 Upgradient Area

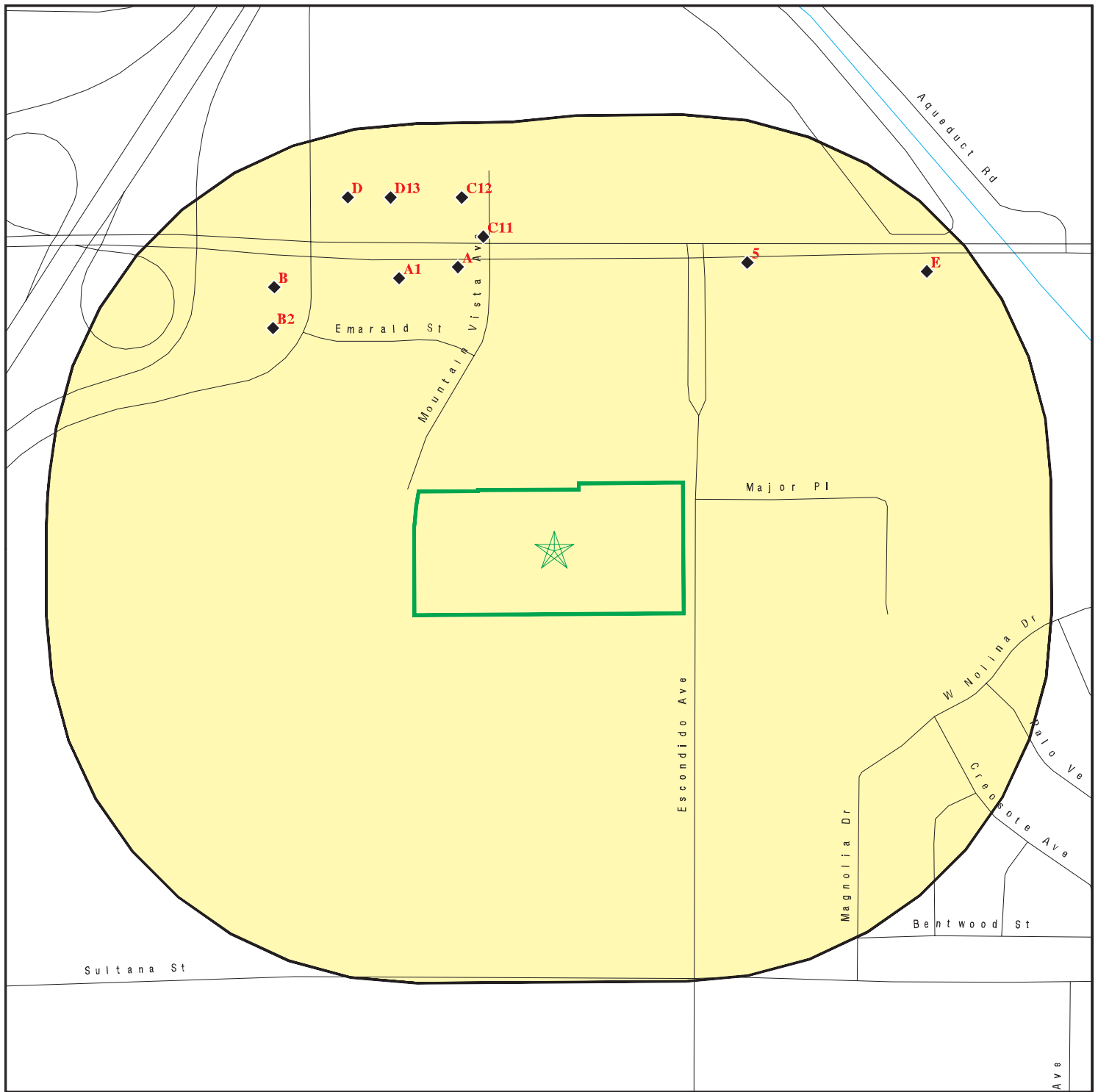
 Areas of Concern








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

SITE NAME: SW Corner of Escondido Avenue and Major Place
 ADDRESS: Not Reported
 Hesperia CA 92344
 LAT/LONG: 34.423724 / 117.374655




CLIENT: Terracon
 CONTACT: Ann Lauder milk
 INQUIRY #: 4994402.2s
 DATE: July 17, 2017 10:39 am


DETAIL MAP - 4994402.2S



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

0 1/16 1/8 1/4 Miles

-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone

-  Areas of Concern



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

SITE NAME: SW Corner of Escondido Avenue and Major Place
 ADDRESS: Not Reported
 Hesperia CA 92344
 LAT/LONG: 34.423724 / 117.374655

CLIENT: Terracon
 CONTACT: Ann Laudermilk
 INQUIRY #: 4994402.2s
 DATE: July 17, 2017 10:46 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	3	NR	NR	NR	3
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	0	0	3	NR	3
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	1	0	NR	NR	1

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	1	0	NR	NR	1
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	TP		NR	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
San Bern. Co. Permit	0.250		0	8	NR	NR	NR	8
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals --		0	0	22	0	3	0	25
-------------	--	---	---	----	---	---	---	----

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
A1	DENNY'S #7095	San Bern. Co. Permit	S109598557
NNW	13165 MAIN ST		N/A
1/8-1/4	HESPERIA, CA 92345		
0.146 mi.			
769 ft.	Site 1 of 3 in cluster A		

Relative:	San Bern. Co. Permit:
Lower	Region: SAN BERNARDINO
	Facility ID: FA0012383
	Owner: DENCO ENTERPRISES, INC.
Actual:	Permit Number: PT0021710
3502 ft.	Permit Category: BULK CO2 AT RETAIL FOOD FACILITIES
	Facility Status: INACTIVE
	Expiration Date: 05/31/2010

B2	BURGER KING #8067	San Bern. Co. Permit	S109598449
NW	9640 MARIPOSA RD		N/A
1/8-1/4	HESPERIA, CA 92345		
0.149 mi.			
785 ft.	Site 1 of 6 in cluster B		

Relative:	San Bern. Co. Permit:
Lower	Region: SAN BERNARDINO
	Facility ID: FA0012274
	Owner: CATEGO CORPORATION
Actual:	Permit Number: PT0021574
3508 ft.	Permit Category: BULK CO2 AT RETAIL FOOD FACILITIES
	Facility Status: INACTIVE
	Expiration Date: 05/31/2010

A3	VALERO - DEPOT # 5	EMI	S106718227
NNW	13187 MAIN ST STE B	San Bern. Co. Permit	N/A
1/8-1/4	HESPERIA, CA 92345		
0.152 mi.			
803 ft.	Site 2 of 3 in cluster A		

Relative:	EMI:
Lower	Year: 2014
	County Code: 36
Actual:	Air Basin: MD
3500 ft.	Facility ID: 157901555
	Air District Name: MOJ
	SIC Code: 5541
	Air District Name: MOJAVE DESERT AQMD
	Community Health Air Pollution Info System: Not reported
	Consolidated Emission Reporting Rule: Not reported
	Total Organic Hydrocarbon Gases Tons/Yr: 0.58111157
	Reactive Organic Gases Tons/Yr: 0.58111157
	Carbon Monoxide Emissions Tons/Yr: 0
	NOX - Oxides of Nitrogen Tons/Yr: 0
	SOX - Oxides of Sulphur Tons/Yr: 0
	Particulate Matter Tons/Yr: 0
	Part. Matter 10 Micrometers and Smllr Tons/Yr:0

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0008913
Owner: JOGINDER S. VIRK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VALERO - DEPOT # 5 (Continued)

S106718227

Permit Number: PT0031001
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY
Facility Status: ACTIVE
Expiration Date: 12/31/2017

Region: SAN BERNARDINO
Facility ID: FA0008913
Owner: JOGINDER S. VIRK
Permit Number: PT0015446
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 12/31/2017

Region: SAN BERNARDINO
Facility ID: FA0008913
Owner: JOGINDER S. VIRK
Permit Number: PT0015447
Permit Category: UST OWNERSHIP/OPERATING PERMIT (PER UST)
Facility Status: ACTIVE
Expiration Date: 12/31/2017

Region: SAN BERNARDINO
Facility ID: FA0008913
Owner: JOGINDER S. VIRK
Permit Number: PT0015444
Permit Category: HAZMAT HANDLER - UST ONLY
Facility Status: ACTIVE
Expiration Date: 12/31/2017

**A4
NNW
1/8-1/4
0.152 mi.
803 ft.**

**VALERO - DEPOT # 5
13187 MAIN ST
HESPERIA, CA 92345
Site 3 of 3 in cluster A**

**UST U003782475
N/A**

**Relative:
Lower**

UST:
Facility ID: FA0008913
Permitting Agency: San Bernardino County Fire Department
Latitude: 34.426174
Longitude: -117.375946

**Actual:
3500 ft.**

Facility ID: 36-082-013187
Permitting Agency: HESPERIA, CITY OF
Latitude: 34.427557
Longitude: -117.374823

**5
NE
1/8-1/4
0.156 mi.
823 ft.**

**PETCO #2138
13319 MAIN ST
HESPERIA, CA 92345**

**San Bern. Co. Permit S118839908
N/A**

**Relative:
Lower**

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0016911
Owner: Petco Animal Supplies LLC

**Actual:
3490 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PETCO #2138 (Continued)

S118839908

Permit Number: PT0036183
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR SPECIAL
Facility Status: ACTIVE
Expiration Date: 09/30/2017

**B6
NW
1/8-1/4
0.170 mi.
898 ft.**

**JAMES * : GEORGE
13105 MAIN ST
HESPERIA, CA 92345
Site 2 of 6 in cluster B**

**HIST UST U001575066
N/A**

**Relative:
Lower**

HIST UST:

**Actual:
3505 ft.**

File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000013956
Facility Type: Gas Station
Other Type: Not reported
Contact Name: JAMES * : GEORGE
Telephone: 6199482520
Owner Name: SHELL OIL COMPANY
Owner Address: P.O. 4848
Owner City,St,Zip: ANAHEIM, CA 92803
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: 67
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: 12
Leak Detection: Stock Inventor, 10

Tank Num: 002
Container Num: 2
Year Installed: 67
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, 10

Tank Num: 003
Container Num: 3
Year Installed: 67
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, 10

Tank Num: 004
Container Num: 4
Year Installed: 67
Tank Capacity: 00005000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JAMES * : GEORGE (Continued)

U001575066

Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, 10

Tank Num: 005
Container Num: 5
Year Installed: 71
Tank Capacity: 00008000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 1/4
Leak Detection: Stock Inventor, 10

**B7
NW
1/8-1/4
0.170 mi.
898 ft.**

**SHELL SERVICE STATION
13105 MAIN ST W
HESPERIA, CA 92345**

**LUST S102437222
HIST CORTESE N/A**

Site 3 of 6 in cluster B

**Relative:
Lower**

LUST:

**Actual:
3505 ft.**

Region: STATE
Global Id: T0607100718
Latitude: 34.4274151333334
Longitude: -117.377076466667
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 11/20/2008
Lead Agency: SAN BERNARDINO COUNTY
Case Worker: JC
Local Agency: SAN BERNARDINO COUNTY
RB Case Number: 6B3600208T
LOC Case Number: 2008009
File Location: Local Agency
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

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

Contact:

Global Id: T0607100718
Contact Type: Local Agency Caseworker
Contact Name: JACKSON CRUTSINGER
Organization Name: SAN BERNARDINO COUNTY
Address: 620 SOUTH E STREET
City: SAN BERNARDINO
Email: jcrutsinger@sbcfire.org
Phone Number: Not reported

Global Id: T0607100718
Contact Type: Regional Board Caseworker
Contact Name: OMAR PACHECO
Organization Name: LAHONTAN RWQCB (REGION 6V)
Address: 15095 Armagosa Road, Building 2, Suite 210
City: VICTORVILLE
Email: opacheco@waterboards.ca.gov
Phone Number: 7602417377

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S102437222

Status History:

Global Id: T0607100718
Status: Completed - Case Closed
Status Date: 11/20/2008

Global Id: T0607100718
Status: Open - Case Begin Date
Status Date: 08/15/1990

Global Id: T0607100718
Status: Open - Remediation
Status Date: 08/15/1990

Regulatory Activities:

Global Id: T0607100718
Action Type: Other
Date: 03/19/2002
Action: Leak Reported

Global Id: T0607100718
Action Type: Other
Date: 03/07/2002
Action: Leak Stopped

Global Id: T0607100718
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0607100718
Action Type: Other
Date: 03/07/2002
Action: Leak Discovery

LUST Region 6V:

Region: 6V
Case Number: 6B3600208T
Leak Record: 8/27/1990
Report Date: 5/15/1990
Reported By Address: Not reported
Responsible Party: SHELL OIL CO
Operator: Not reported
Cross Street: MIRAPOSA
Local Agency: 36000L
Regional Board: 6V
Chemical: Gasoline
Case Type: Soil only
Funding: Not reported
Enforce Type: N
How Found: Not reported
How Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Global ID: T0607100718
Stop Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

S102437222

Leak Confirm: Not reported
Submit Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: 8/15/1990
Monitoring: Not reported
Close Date: Not reported
Discovered: Not reported
Enforce Date: 1/1/1965
Review Date: 8/27/1990
GW Qualifier: Not reported
Soil Qualifier: =
MTBE class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: 6500
MTBE Counts: 0
MTBE Fuel: 1
MTBE Tested: YES
Organization Name: Not reported
Status: Remedial action (cleanup) Underway
Contact: Not reported
Interim Action: No
Pilot Program: LUST
Lat/Long: 34.4314818 / -117.3611098
Staff Initials: GDC
Local Agency Staff: UNK
Lead Agency: Local Agency
Summary: Not reported
Basin Number: UPPER MOJAVE RIVER V
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: Not reported
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported
Distance: 1681.874906
Wst Disch Reqrmt Global ID: Not reported
Wst Disch Reqrmt Name: Not reported

HIST CORTESE:

Region: CORTESE
Facility County Code: 36
Reg By: LTNKA
Reg Id: 6B3600208T

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

B8
NW
1/8-1/4
0.170 mi.
898 ft.

SHELL SERVICE STATION
13105 W MAIN ST
HESPERIA, CA 92345
Site 4 of 6 in cluster B

RCRA-SQG
SWEEPS UST
FINDS
ECHO
HAZNET

1005415507
CAR000112003

Relative:
Lower

RCRA-SQG:

Date form received by agency: 01/31/2002

Facility name: SHELL SERVICE STATION

Facility address: 13105 W MAIN ST

S A P 135361

HESPERIA, CA 92345

EPA ID: CAR000112003

Mailing address: P O BOX 2648

HOUSTON, TX 772522648

Contact: SONDRA BIENVENU

Contact address: P O BOX 2648

HOUSTON, TX 772522648

Contact country: US

Contact telephone: (713) 241-5036

Contact email: Not reported

EPA Region: 09

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: EQUILON ENTERPRISES L L C

Owner/operator address: P O BOX 2648

HOUSTON, TX 77252

Owner/operator country: Not reported

Owner/operator telephone: (713) 241-5036

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: Not reported

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

Mixed waste (haz. and radioactive): No

Recycler of hazardous waste: No

Transporter of hazardous waste: No

Treater, storer or disposer of HW: No

Underground injection activity: No

On-site burner exemption: No

Furnace exemption: No

Used oil fuel burner: No

Used oil processor: No

User oil refiner: No

Used oil fuel marketer to burner: No

Used oil Specification marketer: No

Used oil transfer facility: No

Used oil transporter: No

Waste code: D001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1005415507

. Waste name: IGNITABLE WASTE

. Waste code: D018

. Waste name: BENZENE

Violation Status: No violations found

SWEEPS UST:

Status: Not reported

Comp Number: 13956

Number: Not reported

Board Of Equalization: Not reported

Referral Date: Not reported

Action Date: Not reported

Created Date: Not reported

Owner Tank Id: Not reported

SWRCB Tank Id: 36-082-013956-000005

Tank Status: Not reported

Capacity: 8000

Active Date: Not reported

Tank Use: M.V. FUEL

STG: PRODUCT

Content: REG UNLEADED

Number Of Tanks: 1

Status: Active

Comp Number: 13956

Number: 1

Board Of Equalization: Not reported

Referral Date: 03-18-92

Action Date: 03-18-92

Created Date: 02-29-88

Owner Tank Id: 1

SWRCB Tank Id: 36-082-013956-000001

Tank Status: A

Capacity: 550

Active Date: 07-01-85

Tank Use: OIL

STG: W

Content: WASTE OIL

Number Of Tanks: 4

Status: Active

Comp Number: 13956

Number: 1

Board Of Equalization: Not reported

Referral Date: 03-18-92

Action Date: 03-18-92

Created Date: 02-29-88

Owner Tank Id: 2

SWRCB Tank Id: 36-082-013956-000002

Tank Status: A

Capacity: 12000

Active Date: 03-28-90

Tank Use: M.V. FUEL

STG: P

Content: REG UNLEADED

Number Of Tanks: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1005415507

Status: Active
Comp Number: 13956
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-18-92
Action Date: 03-18-92
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 36-082-013956-000003
Tank Status: A
Capacity: 12000
Active Date: 03-28-90
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Status: Active
Comp Number: 13956
Number: 1
Board Of Equalization: Not reported
Referral Date: 03-18-92
Action Date: 03-18-92
Created Date: 02-29-88
Owner Tank Id: 4
SWRCB Tank Id: 36-082-013956-000004
Tank Status: A
Capacity: 12000
Active Date: 03-28-90
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

FINDS:

Registry ID: 110012228044

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

STATE MASTER

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1005415507

ECHO:

Envid: 1005415507
Registry ID: 110012228044
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110012228044>

HAZNET:

envid: 1005415507
Year: 2002
GEPaid: CAR000112003
Contact: N CORTEZ/ENV'T'L DATA ANALYST
Telephone: 2818742224
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DRIVE MFT 240-G
Mailing City,St,Zip: Houston, TX 770672508
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Recycler
Tons: 1.25
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Bernardino

envid: 1005415507
Year: 2002
GEPaid: CAR000112003
Contact: N CORTEZ/ENV'T'L DATA ANALYST
Telephone: 2818742224
Mailing Name: Not reported
Mailing Address: 12700 NORTHBOROUGH DRIVE MFT 240-G
Mailing City,St,Zip: Houston, TX 770672508
Gen County: Not reported
TSD EPA ID: CAD982484933
TSD County: Not reported
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Disposal, Other
Tons: 13.25
Cat Decode: Not reported
Method Decode: Not reported
Facility County: San Bernardino

B9
NW
1/8-1/4
0.170 mi.
898 ft.

HESPERIA SHELL
13105 W. MAIN ST.
HESPERIA, CA 92345

Site 5 of 6 in cluster B

UST **U003782474**
N/A

Relative: **UST:**
Lower Facility ID: 36-082-013105
Permitting Agency: HESPERIA, CITY OF
Latitude: 34.427651
Longitude: -117.376638

Actual:
3505 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B10
NW
1/8-1/4
0.170 mi.
898 ft.
JAMES * ; GEORGE
13105 W MAIN STREET
HESPERIA, CA 92345
Site 6 of 6 in cluster B

HIST UST
CA FID UST
S101591104
N/A

Relative:
Lower

HIST UST:

File Number: 0002A63A
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002A63A.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Actual:
3505 ft.

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

CA FID UST:

Facility ID: 36001496
Regulated By: UTNKA
Regulated ID: 00013956
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 6199482520
Mail To: Not reported
Mailing Address: P O
Mailing Address 2: Not reported
Mailing City,St,Zip: HESPERIA 92345
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C11
NNW
1/8-1/4
0.172 mi.
909 ft.

CHEVRON TRAVEL CENTER
13188 MAIN ST
HESPERIA, CA 92345

San Bern. Co. Permit

S109598505
N/A

Site 1 of 2 in cluster C

Relative:
Lower

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0010688
Owner: MAC SRC INC
Permit Number: PT0021687
Permit Category: UST OWNERSHIP/OPERATING PERMIT COMPLEX
Facility Status: ACTIVE
Expiration Date: 10/31/2017

Region: SAN BERNARDINO
Facility ID: FA0010688
Owner: MAC SRC INC
Permit Number: PT0021669
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY
Facility Status: ACTIVE
Expiration Date: 10/31/2017

Region: SAN BERNARDINO
Facility ID: FA0010688
Owner: MAC SRC INC
Permit Number: PT0021668
Permit Category: HAZMAT HANDLER - UST ONLY
Facility Status: ACTIVE
Expiration Date: 10/31/2017

Region: SAN BERNARDINO
Facility ID: FA0010688
Owner: MAC SRC INC
Permit Number: PT0021686
Permit Category: UST OWNERSHIP/OPERATING PERMIT COMPLEX
Facility Status: ACTIVE
Expiration Date: 10/31/2017

Region: SAN BERNARDINO
Facility ID: FA0010688
Owner: MAC SRC INC
Permit Number: PT0021685
Permit Category: UST OWNERSHIP/OPERATING PERMIT COMPLEX
Facility Status: ACTIVE
Expiration Date: 10/31/2017

C12
NNW
1/8-1/4
0.199 mi.
1051 ft.

CHEVRON TRAVEL CENTER
13188 MAIN ST
HESPERIA, CA 92345

UST **U004264091**
N/A

Site 2 of 2 in cluster C

Relative:
Lower

UST:

Facility ID: FA0010688
Permitting Agency: San Bernardino County Fire Department
Latitude: 34.42681
Longitude: -117.375475

Actual:
3495 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D13
NNW
1/8-1/4
0.201 mi.
1060 ft.

ARBY'S 7741
13140 MAIN ST
HESPERIA, CA 92345

Site 1 of 4 in cluster D

San Bern. Co. Permit

S109598395
N/A

Relative:
Lower

San Bern. Co. Permit:
Region: SAN BERNARDINO
Facility ID: FA0012278
Owner: JMN MANAGEMENT INC
Permit Number: PT0021579
Permit Category: BULK CO2 AT RETAIL FOOD FACILITIES
Facility Status: INACTIVE
Expiration Date: 05/31/2010

Actual:
3497 ft.

D14
NNW
1/8-1/4
0.206 mi.
1086 ft.

TEXACO SERVICE STATION
13100 W MAIN ST
HESPERIA, CA 92345

Site 2 of 4 in cluster D

RCRA-SQG
FINDS
ECHO

1004675721
CAR000076364

Relative:
Lower

RCRA-SQG:
Date form received by agency: 06/23/2000
Facility name: TEXACO SERVICE STATION
Facility address: 13100 W MAIN ST
S A P 121757
HESPERIA, CA 92345
EPA ID: CAR000076364
Mailing address: P O BOX 2099
HOUSTON, TX 772522099
Contact: SONDRA BIENVENU
Contact address: P O BOX 2099
HOUSTON, TX 772522099
Contact country: US
Contact telephone: (713) 241-5036
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
3498 ft.

Owner/Operator Summary:

Owner/operator name: EQUILON ENTERPRISES L L C
Owner/operator address: P O BOX 2099
HOUSTON, TX 77252
Owner/operator country: Not reported
Owner/operator telephone: (713) 241-5036
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TEXACO SERVICE STATION (Continued)

1004675721

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110002939134

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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

ECHO:

Envid: 1004675721
Registry ID: 110002939134
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110002939134>

**D15
NNW
1/8-1/4
0.206 mi.
1086 ft.**

**TESORO (SHELL) 68543
13100 MAIN ST
HESPERIA, CA 92345**

Site 3 of 4 in cluster D

**UST U003941940
N/A**

**Relative:
Lower**

UST:

Facility ID: 36-082-013100
Permitting Agency: HESPERIA, CITY OF
Latitude: 34.4286901
Longitude: -117.375707

**Actual:
3498 ft.**

Facility ID: FA0009110
Permitting Agency: San Bernardino County Fire Department
Latitude: 34.427193
Longitude: -117.377121

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D16
NNW
1/8-1/4
0.206 mi.
1086 ft.

MAIN STREET SHELL #68543
13100 MAIN ST
HESPERIA, CA 92345

Site 4 of 4 in cluster D

San Bern. Co. Permit **S103990619**
N/A

Relative:
Lower

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0009110
Owner: TESORO REFINING & MARKETING COMPANY LLC
Permit Number: PT0020088
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY
Facility Status: ACTIVE
Expiration Date: 10/31/2017

Region: SAN BERNARDINO
Facility ID: FA0009110
Owner: TESORO REFINING & MARKETING COMPANY LLC
Permit Number: PT0015202
Permit Category: UST OWNERSHIP/OPERATING PERMIT COMPLEX
Facility Status: ACTIVE
Expiration Date: 10/31/2017

Region: SAN BERNARDINO
Facility ID: FA0009110
Owner: TESORO REFINING & MARKETING COMPANY LLC
Permit Number: PT0015201
Permit Category: UST OWNERSHIP/OPERATING PERMIT COMPLEX
Facility Status: ACTIVE
Expiration Date: 10/31/2017

Region: SAN BERNARDINO
Facility ID: FA0009110
Owner: TESORO REFINING & MARKETING COMPANY LLC
Permit Number: PT0015200
Permit Category: HAZMAT HANDLER - UST ONLY
Facility Status: ACTIVE
Expiration Date: 10/31/2017

Region: SAN BERNARDINO
Facility ID: FA0009110
Owner: TESORO REFINING & MARKETING COMPANY LLC
Permit Number: PT0015203
Permit Category: UST OWNERSHIP/OPERATING PERMIT COMPLEX
Facility Status: ACTIVE
Expiration Date: 10/31/2017

E17
NE
1/8-1/4
0.219 mi.
1158 ft.

WAL-MART #4340
13401 MAIN ST
HESPERIA, CA 92345

Site 1 of 2 in cluster E

AST **S112274049**
San Bern. Co. Permit **N/A**

Relative:
Lower

AST:

Certified Unified Program Agencies: Not reported
Owner: Walmart Stores, Inc.
Total Gallons: Not reported
CERSID: 10313659
Facility ID: FA0014725
Business Name: Walmart

Actual:
3481 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WAL-MART #4340 (Continued)

S112274049

Phone: (760) 948-4851
Fax: Not reported
Mailing Address: 702 Southwest 8th Street
Mailing Address City: Bentonville
Mailing Address State: AR
Mailing Address Zip Code: Not reported
Operator Name: Walmart Stores, Inc.
Operator Phone: 479-204-3911
Owner Phone: (479) 204-3911
Owner Mail Address: 702 Southwest 8th Street
Owner State: AR
Owner Zip Code: Not reported
Owner Country: United States
Property Owner Name: Wal-Mart Stores, Inc.
Property Owner Phone: (479) 204-3911
Property Owner Mailing Address: PO Box 8050
Property Owner City: Bentonville
Property Owner Stat : AR
Property Owner Zip Code: 72716
Property Owner Country: United States
EPAID: CAR000226944

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0014725
Owner: Walmart Stores, Inc.
Permit Number: PT0025723
Permit Category: SMALL QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 10/31/2017

Region: SAN BERNARDINO
Facility ID: FA0014725
Owner: Walmart Stores, Inc.
Permit Number: PT0026035
Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 10/31/2017

Region: SAN BERNARDINO
Facility ID: FA0014725
Owner: Walmart Stores, Inc.
Permit Number: PT0025722
Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 10/31/2017

E18
NE
1/8-1/4
0.219 mi.
1158 ft.

WALMART SUPERCENTER NO 4340
13401 MAIN ST
HESPERIA, CA 92345
Site 2 of 2 in cluster E

RCRA-SQG 1014950659
CAR000226944

Relative:
Lower

RCRA-SQG:
Date form received by agency: 06/20/2016
Facility name: WALMART SUPERCENTER NO 4340
Facility address: 13401 MAIN ST

Actual:
3481 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER NO 4340 (Continued)

1014950659

EPA ID: HESPERIA, CA 92345
CAR000226944
Mailing address: PO BOX 8041
BENTONVILLE, AR 72712 8041
Contact: ROSE ARNOLD
Contact address: PO BOX 8041
BENTONVILLE, AR 72712 8041
Contact country: US
Contact telephone: 479-277-8972
Contact email: ROSE.ARNOLD@WALMART.COM
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WAL MART STORES INC
Owner/operator address: PO BOX 8041
BENTONVILLE, AR 72712
Owner/operator country: US
Owner/operator telephone: 479-277-8972
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/12/2012
Owner/Op end date: Not reported

Owner/operator name: WAL MART STORES INC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/12/2012
Owner/Op end date: Not reported

Handler Activities Summary:

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER NO 4340 (Continued)

1014950659

. Waste code:	122
. Waste name:	122
. Waste code:	141
. Waste name:	141
. Waste code:	181
. Waste name:	181
. Waste code:	213
. Waste name:	213
. Waste code:	214
. Waste name:	214
. Waste code:	221
. Waste name:	221
. Waste code:	223
. Waste name:	223
. Waste code:	232
. Waste name:	232
. Waste code:	311
. Waste name:	311
. Waste code:	331
. Waste name:	331
. Waste code:	352
. Waste name:	352
. Waste code:	791
. Waste name:	791
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D003
. Waste name:	REACTIVE WASTE
. Waste code:	D004
. Waste name:	ARSENIC
. Waste code:	D005
. Waste name:	BARIUM
. Waste code:	D006
. Waste name:	CADMIUM
. Waste code:	D007
. Waste name:	CHROMIUM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER NO 4340 (Continued)

1014950659

. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D010
. Waste name:	SELENIUM
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D016
. Waste name:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D022
. Waste name:	CHLOROFORM
. Waste code:	D024
. Waste name:	M-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	D027
. Waste name:	1,4-DICHLOROBENZENE
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE
. Waste code:	D043
. Waste name:	VINYL CHLORIDE
. Waste code:	P001
. Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
. Waste code:	P075
. Waste name:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
. Waste code:	U002
. Waste name:	2-PROPANONE (I) (OR) ACETONE (I)
. Waste code:	U034
. Waste name:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
. Waste code:	U035
. Waste name:	BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER NO 4340 (Continued)

1014950659

- . Waste code: U058
- . Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

- . Waste code: U072
- . Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

- . Waste code: U089
- . Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS, (E)-

- . Waste code: U122
- . Waste name: FORMALDEHYDE

- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

- . Waste code: U132
- . Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

- . Waste code: U134
- . Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

- . Waste code: U150
- . Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

- . Waste code: U165
- . Waste name: NAPHTHALENE

- . Waste code: U188
- . Waste name: PHENOL

- . Waste code: U200
- . Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

- . Waste code: U205
- . Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

- . Waste code: U210
- . Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

- . Waste code: U249
- . Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

- . Waste code: U279
- . Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

- . Waste code: U409

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER NO 4340 (Continued)

1014950659

. Waste name: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL
ESTER (OR) THIOPHANATE-METHYL

Historical Generators:

Date form received by agency: 10/28/2014

Site name: WALMART SUPERCENTER NO 4340

Classification: Small Quantity Generator

. Waste code: 122

. Waste name: 122

. Waste code: 141

. Waste name: 141

. Waste code: 181

. Waste name: 181

. Waste code: 213

. Waste name: 213

. Waste code: 214

. Waste name: 214

. Waste code: 221

. Waste name: 221

. Waste code: 232

. Waste name: 232

. Waste code: 311

. Waste name: 311

. Waste code: 331

. Waste name: 331

. Waste code: 352

. Waste name: 352

. Waste code: 541

. Waste name: 541

. Waste code: 791

. Waste name: 791

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D004

. Waste name: ARSENIC

. Waste code: D005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER NO 4340 (Continued)

1014950659

. Waste name:	BARIUM
. Waste code:	D006
. Waste name:	CADMIUM
. Waste code:	D007
. Waste name:	CHROMIUM
. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D010
. Waste name:	SELENIUM
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D016
. Waste name:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D022
. Waste name:	CHLOROFORM
. Waste code:	D024
. Waste name:	M-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	D027
. Waste name:	1,4-DICHLOROBENZENE
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE
. Waste code:	D043
. Waste name:	VINYL CHLORIDE
. Waste code:	P001
. Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
. Waste code:	P075
. Waste name:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
. Waste code:	U002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER NO 4340 (Continued)

1014950659

- . Waste name: 2-PROPANONE (I) (OR) ACETONE (I)
- . Waste code: U034
- . Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
- . Waste code: U035
- . Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL
- . Waste code: U058
- . Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE
- . Waste code: U072
- . Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
- . Waste code: U112
- . Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
- . Waste code: U122
- . Waste name: FORMALDEHYDE
- . Waste code: U129
- . Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE
- . Waste code: U132
- . Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-
- . Waste code: U134
- . Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)
- . Waste code: U150
- . Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
- . Waste code: U165
- . Waste name: NAPHTHALENE
- . Waste code: U188
- . Waste name: PHENOL
- . Waste code: U200
- . Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-
- . Waste code: U205
- . Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)
- . Waste code: U210
- . Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER NO 4340 (Continued)

1014950659

- . Waste code: U249
- . Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

- . Waste code: U279
- . Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

- . Waste code: U409
- . Waste name: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL

Date form received by agency: 07/23/2012

Site name: WALMART SUPERCENTER NO 4340

Classification: Small Quantity Generator

- . Waste code: 122
- . Waste name: 122

- . Waste code: 135
- . Waste name: 135

- . Waste code: 141
- . Waste name: 141

- . Waste code: 181
- . Waste name: 181

- . Waste code: 212
- . Waste name: 212

- . Waste code: 213
- . Waste name: 213

- . Waste code: 214
- . Waste name: 214

- . Waste code: 221
- . Waste name: 221

- . Waste code: 223
- . Waste name: 223

- . Waste code: 232
- . Waste name: 232

- . Waste code: 281
- . Waste name: 281

- . Waste code: 291
- . Waste name: 291

- . Waste code: 311
- . Waste name: 311

- . Waste code: 331
- . Waste name: 331

- . Waste code: 343

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER NO 4340 (Continued)

1014950659

. Waste name:	343
. Waste code:	352
. Waste name:	352
. Waste code:	561
. Waste name:	561
. Waste code:	791
. Waste name:	791
. Waste code:	792
. Waste name:	792
. Waste code:	D001
. Waste name:	IGNITABLE WASTE
. Waste code:	D002
. Waste name:	CORROSIVE WASTE
. Waste code:	D003
. Waste name:	REACTIVE WASTE
. Waste code:	D004
. Waste name:	ARSENIC
. Waste code:	D005
. Waste name:	BARIUM
. Waste code:	D006
. Waste name:	CADMIUM
. Waste code:	D007
. Waste name:	CHROMIUM
. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D009
. Waste name:	MERCURY
. Waste code:	D010
. Waste name:	SELENIUM
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D016
. Waste name:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D022
. Waste name:	CHLOROFORM
. Waste code:	D024

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WALMART SUPERCENTER NO 4340 (Continued)

1014950659

. Waste name:	M-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	D027
. Waste name:	1,4-DICHLOROBENZENE
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE
. Waste code:	P001
. Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
. Waste code:	P075
. Waste name:	NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS
. Waste code:	U002
. Waste name:	2-PROPANONE (I) (OR) ACETONE (I)
. Waste code:	U034
. Waste name:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
. Waste code:	U035
. Waste name:	BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL
. Waste code:	U058
. Waste name:	2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE
. Waste code:	U072
. Waste name:	BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
. Waste code:	U080
. Waste name:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
. Waste code:	U122
. Waste name:	FORMALDEHYDE
. Waste code:	U129
. Waste name:	CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE
. Waste code:	U132
. Waste name:	HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-
. Waste code:	U150
. Waste name:	L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN
. Waste code:	U154
. Waste name:	METHANOL (I) (OR) METHYL ALCOHOL (I)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

WALMART SUPERCENTER NO 4340 (Continued)

1014950659

- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

- . Waste code: U165
- . Waste name: NAPHTHALENE

- . Waste code: U182
- . Waste name: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

- . Waste code: U188
- . Waste name: PHENOL

- . Waste code: U200
- . Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID, 11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER, (3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

- . Waste code: U205
- . Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

- . Waste code: U240
- . Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

- . Waste code: U249
- . Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

- . Waste code: U279
- . Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

- . Waste code: U409
- . Waste name: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL

Violation Status: No violations found

19
SSW
1/2-1
0.763 mi.
4029 ft.

MISSION CREST ELEMENTARY SCHOOL
13065 MUSCATEL STREET
HESPERIA, CA 92345

ENVIROSTOR **S118757365**
SCH **N/A**

Relative:
Higher

ENVIROSTOR:
Facility ID: 70000075
Status: No Action Required
Status Date: 10/26/2005
Site Code: 404658
Site Type: School Investigation
Site Type Detailed: School
Acres: 10
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Yolanda Garza
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 33
Senate: 21
Special Program: Not reported

Actual:
3584 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSION CREST ELEMENTARY SCHOOL (Continued)

S118757365

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.4119
Longitude: -117.3808
APN: 3046-011-01
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: 3046-011-01
Alias Type: APN
Alias Name: 404658
Alias Type: Project Code (Site Code)
Alias Name: 70000075
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/26/2005
Comments: Completed No Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/02/2005
Comments: Not reported

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

SCH:

Facility ID: 70000075
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 10
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Yolanda Garza
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404658
Assembly: 33
Senate: 21

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSION CREST ELEMENTARY SCHOOL (Continued)

S118757365

Special Program Status: Not reported
Status: No Action Required
Status Date: 10/26/2005
Restricted Use: NO
Funding: School District
Latitude: 34.4119
Longitude: -117.3808
APN: 3046-011-01
Past Use: NONE
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: 3046-011-01
Alias Type: APN
Alias Name: 404658
Alias Type: Project Code (Site Code)
Alias Name: 70000075
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/26/2005
Comments: Completed No Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/02/2005
Comments: Not reported

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

20
SSW
1/2-1
0.807 mi.
4260 ft.

**MESQUITE TRAILS WEST SCHOOL SITE
MUSCATEL ROAD/COYOTE TRAIL
HESPERIA, CA 92345**

**ENVIROSTOR S118756831
SCH N/A**

**Relative:
Higher**

ENVIROSTOR:

Facility ID: 36820003
Status: No Action Required
Status Date: 06/06/2006
Site Code: 404588
Site Type: School Investigation
Site Type Detailed: School
Acres: 20
NPL: NO
Regulatory Agencies: SMBRP

**Actual:
3598 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MESQUITE TRAILS WEST SCHOOL SITE (Continued)

S118756831

Lead Agency: SMBRP
Program Manager: Amit Pathak
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 33
Senate: 21
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.41205
Longitude: -117.3811
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: 31000-NO
Potential Description: NMA
Alias Name: HESPERIA USD-MESQUITE TRAILS WEST SCL
Alias Type: Alternate Name
Alias Name: 404588
Alias Type: Project Code (Site Code)
Alias Name: 36820003
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/29/2007
Comments: CRU Memo completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/07/2005
Comments: Not reported

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

SCH:

Facility ID: 36820003
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 20
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MESQUITE TRAILS WEST SCHOOL SITE (Continued)

S118756831

Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Amit Pathak
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404588
Assembly: 33
Senate: 21
Special Program Status: Not reported
Status: No Action Required
Status Date: 06/06/2006
Restricted Use: NO
Funding: School District
Latitude: 34.41205
Longitude: -117.3811
APN: NONE SPECIFIED
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: 31000-NO
Potential Description: NMA
Alias Name: HESPERIA USD-MESQUITE TRAILS WEST SCL
Alias Type: Alternate Name
Alias Name: 404588
Alias Type: Project Code (Site Code)
Alias Name: 36820003
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/29/2007
Comments: CRU Memo completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/07/2005
Comments: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

21
SSW
1/2-1
0.830 mi.
4381 ft.

NEW MESQUITE TRAILS WEST ELEMENTARY SCHOOL
12850 MUSCATEL STREET
HESPERIA, CA 92345

ENVIROSTOR
SCH

S118757382
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
3605 ft.

Facility ID: 70000125
Status: No Action Required
Status Date: 11/16/2005
Site Code: 404669
Site Type: School Investigation
Site Type Detailed: School
Acres: 7
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 33
Senate: 21
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.41397
Longitude: -117.3826
APN: 3064-631-07
Past Use: NONE
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: 3064-631-07
Alias Type: APN
Alias Name: 404669
Alias Type: Project Code (Site Code)
Alias Name: 70000125
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/16/2005
Comments: Phase I review complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/16/2005
Comments: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MESQUITE TRAILS WEST ELEMENTARY SCHOOL (Continued)

S118757382

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 70000125
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 7
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404669
Assembly: 33
Senate: 21
Special Program Status: Not reported
Status: No Action Required
Status Date: 11/16/2005
Restricted Use: NO
Funding: School District
Latitude: 34.41397
Longitude: -117.3826
APN: 3064-631-07
Past Use: NONE
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: 3064-631-07
Alias Type: APN
Alias Name: 404669
Alias Type: Project Code (Site Code)
Alias Name: 70000125
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 11/16/2005
Comments: Phase I review complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/16/2005
Comments: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW MESQUITE TRAILS WEST ELEMENTARY SCHOOL (Continued)

S118757382

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

Count: 2 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HESPERIA	S102431259	HAYWARD LUMBER	931 MAIN ST	92345	LUST
SOUTH OF VICTORVILLE	1001115045	CAJON DERAILMENT	MILEPOST 66.9 SOUTH MAIN TRACK	92392	SEMS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
CA	BROWNFIELDS	Considered Brownfields Sites Listing	State Water Resources Control Board	01/03/2017	01/04/2017	03/02/2017
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2016	03/17/2017	05/10/2017
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	12/06/2016	01/25/2017	05/10/2017
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	12/28/2016	12/28/2016	03/02/2017
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	03/06/2017	03/07/2017	05/23/2017
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	03/09/2017	04/11/2017	05/23/2017
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2014	09/23/2016	10/24/2016
CA	ENF	Enforcement Action Listing	State Water Resources Control Board	01/23/2017	01/27/2017	05/25/2017
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	01/30/2017	01/31/2017	05/23/2017
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	04/25/2016	04/29/2016	06/21/2016
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	02/14/2017	02/17/2017	05/25/2017
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	01/13/2017	01/17/2017	05/31/2017
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2015	10/12/2016	12/15/2016
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	11/21/2016	11/22/2016	01/23/2017
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	04/11/2017	04/13/2017	04/26/2017
CA	ICE	ICE	Department of Toxic Substances Control	11/21/2016	11/22/2016	01/23/2017
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Quality Control Board	03/13/2017	03/14/2017	05/02/2017
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	03/06/2017	03/07/2017	04/21/2017
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	03/13/2017	03/14/2017	05/02/2017
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Board	02/01/2001	02/28/2001	03/29/2001
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Board	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Board	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Board	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Board	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Board	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Board	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Board	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Board	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Board	03/01/2001	04/23/2001	05/21/2001
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	03/13/2017	03/14/2017	05/02/2017
CA	MINES	Mines Site Location Listing	Department of Conservation	09/12/2016	09/14/2016	10/14/2016
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	12/02/2016	12/06/2016	03/02/2017
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	12/16/2016	12/22/2016	03/02/2017
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	11/14/2016	11/15/2016	03/02/2017
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	12/06/2016	12/06/2016	03/03/2017
CA	PROC	Certified Processors Database	Department of Conservation	03/13/2017	03/14/2017	05/03/2017
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	01/30/2017	01/31/2017	05/23/2017
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tank	State Water Resources Control Board		07/01/2013	12/30/2013
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	01/30/2017	01/31/2017	05/23/2017
CA	SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	03/13/2017	03/14/2017	05/02/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	02/13/2017	02/15/2017	05/02/2017
CA	SWRCY	Recycler Database	Department of Conservation	03/13/2017	03/14/2017	05/03/2017
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	01/20/2017	03/14/2017	05/03/2017
CA	UST	Active UST Facilities	SWRCB	03/12/2017	03/16/2017	05/12/2017
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	03/09/2017	03/17/2017	05/23/2017
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	01/30/2017	01/31/2017	05/23/2017
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	04/15/2015	04/17/2015	06/23/2015
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	04/22/2013	03/03/2015	03/09/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/14/2017	03/17/2017	04/07/2017
US	BRS	Biennial Reporting System	EPANTIS	12/31/2013	02/24/2015	09/30/2015
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	09/30/2016	11/18/2016	02/03/2017
US	CORRACTS	Corrective Action Report	EPA	12/12/2016	12/28/2016	02/10/2017
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	06/02/2016	06/03/2016	09/02/2016
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	07/31/2012	08/07/2012	09/18/2012
US	Delisted NPL	National Priority List Deletions	EPA	04/05/2017	04/21/2017	05/12/2017
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	03/19/2017	03/21/2017	05/12/2017
US	EDR Hist Auto	EDR Exclusive Historic Gas Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historic Dry Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	09/26/2016	09/29/2016	11/11/2016
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	11/07/2016	01/05/2017	04/07/2017
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FEMA UST	Underground Storage Tank Listing	FEMA	01/01/2010	02/16/2010	04/12/2010
US	FINDS	Facility Index System/Facility Registry System	EPA	04/04/2017	04/07/2017	05/12/2017
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/31/2015	07/08/2015	10/13/2015
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/22/2017	02/22/2017	05/12/2017
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	12/23/2016	12/27/2016	02/17/2017
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/28/2016	12/28/2016	02/03/2017
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	11/14/2016	01/26/2017	05/05/2017
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/07/2016	01/26/2017	05/05/2017
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2016	01/27/2017	05/05/2017
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	11/14/2016	01/26/2017	05/05/2017
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/01/2016	01/26/2017	05/05/2017
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	09/01/2016	01/26/2017	05/05/2017
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/17/2016	01/26/2017	05/05/2017
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/06/2016	01/26/2017	05/05/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	11/14/2016	01/26/2017	05/05/2017
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/07/2016	01/26/2017	05/05/2017
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/14/2016	01/27/2017	05/05/2017
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	01/14/2017	01/26/2017	05/05/2017
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/01/2016	01/26/2017	05/05/2017
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	09/01/2016	01/26/2017	05/05/2017
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/17/2016	01/26/2017	05/05/2017
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/06/2016	01/26/2017	05/05/2017
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	12/05/2016	01/05/2017	02/10/2017
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/18/2014	03/18/2014	04/24/2014
US	LUCIS	Land Use Control Information System	Department of the Navy	12/28/2016	01/04/2017	04/07/2017
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	08/30/2016	09/08/2016	10/21/2016
US	NPL	National Priority List	EPA	04/05/2017	04/21/2017	05/12/2017
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	01/20/2016	04/28/2016	09/02/2016
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	02/01/2011	10/19/2011	01/10/2012
US	PRP	Potentially Responsible Parties	EPA	10/25/2013	10/17/2014	10/20/2014
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/05/2017	04/21/2017	05/12/2017
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	01/04/2017	01/06/2017	02/10/2017
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/12/2016	12/28/2016	02/10/2017
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	12/12/2016	12/28/2016	02/10/2017
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/12/2016	12/28/2016	02/10/2017
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/12/2016	12/28/2016	02/10/2017
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/12/2016	12/28/2016	02/10/2017

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	RMP	Risk Management Plans	Environmental Protection Agency	02/01/2017	02/09/2017	04/07/2017
US	ROD	Records Of Decision	EPA	11/25/2013	12/12/2013	02/24/2014
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	02/07/2017	04/19/2017	05/05/2017
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	02/07/2017	04/19/2017	05/05/2017
US	SSTS	Section 7 Tracking Systems	EPA	12/31/2009	12/10/2010	02/25/2011
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2014	11/24/2015	04/05/2016
US	TSCA	Toxic Substances Control Act	EPA	12/31/2012	01/15/2015	01/29/2015
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	09/14/2010	10/07/2011	03/01/2012
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	03/02/2017	03/02/2017	04/07/2017
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	02/09/2017	03/08/2017	06/09/2017
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2017	02/28/2017	06/09/2017
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	02/13/2017	02/15/2017	05/12/2017
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	02/09/2017	03/08/2017	06/09/2017
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	02/13/2017	02/28/2017	06/09/2017
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/08/2017	02/28/2017	04/07/2017
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	10/25/2015	01/29/2016	04/05/2016
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	07/30/2013	08/19/2013	10/03/2013
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2015	09/29/2016	01/03/2017
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/30/2017	02/01/2017	02/13/2017
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2015	07/22/2016	11/22/2016
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2013	06/19/2015	07/15/2015
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	12/31/2016	04/13/2017	07/14/2017
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
CA	Daycare Centers	Sensitive Receptor: Licensed Facilities	Department of Social Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
CA	State Wetlands	Wetland Inventory	Department of Fish & Game			
US	Topographic Map	Current USGS 7.5 Minute Topographic Map	U.S. Geological Survey			
US	Oil/Gas Pipelines		PennWell Corporation			
US	Electric Power Transmission Line Data		PennWell Corporation			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
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STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SW CORNER OF ESCONDIDO AVENUE AND MAJOR PLACE
NOT REPORTED
HESPERIA, CA 92344

TARGET PROPERTY COORDINATES

Latitude (North):	34.423724 - 34° 25' 25.41"
Longitude (West):	117.374655 - 117° 22' 28.76"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	465573.3
UTM Y (Meters):	3809007.0
Elevation:	3514 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5620406 HESPERIA, CA
Version Date:	2012
West Map:	5630603 BALDY MESA, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

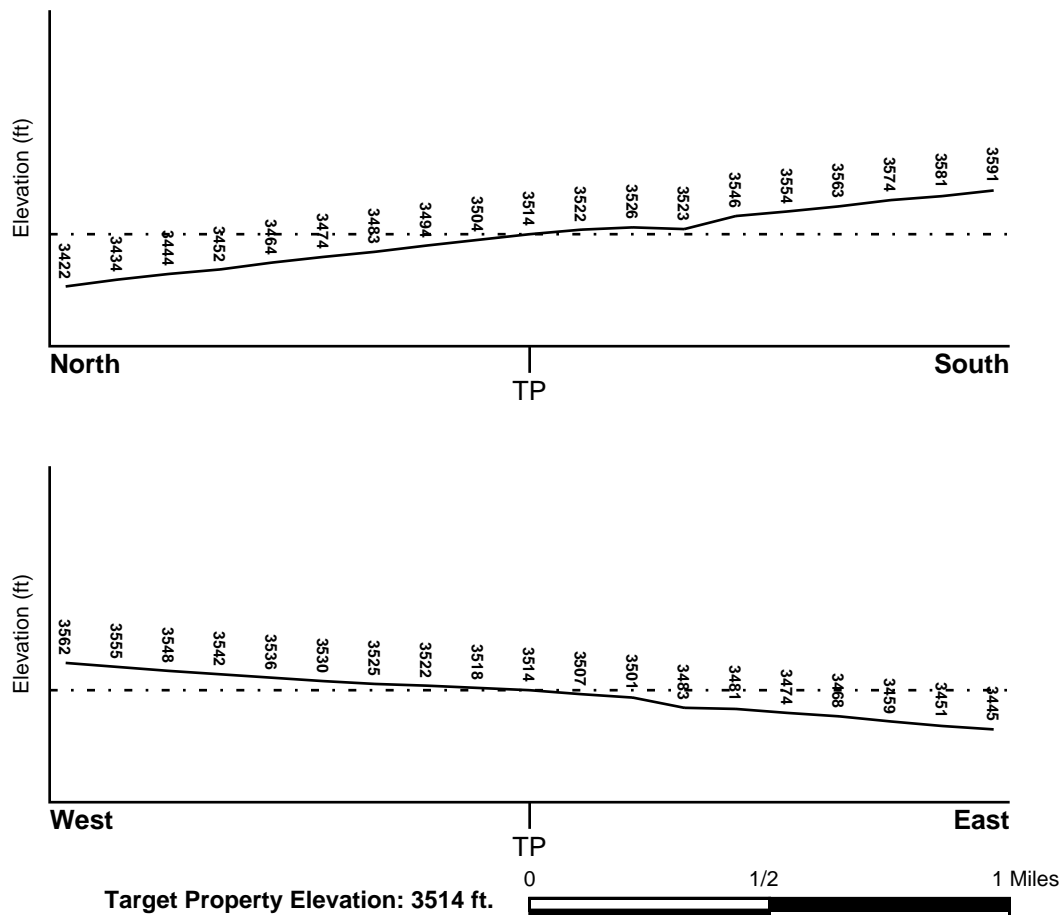
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06071C6490F	FEMA Q3 Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06071C6480H	FEMA FIRM Flood data
06071C6480F	FEMA Q3 Flood data
06071C6475F	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
HESPERIA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

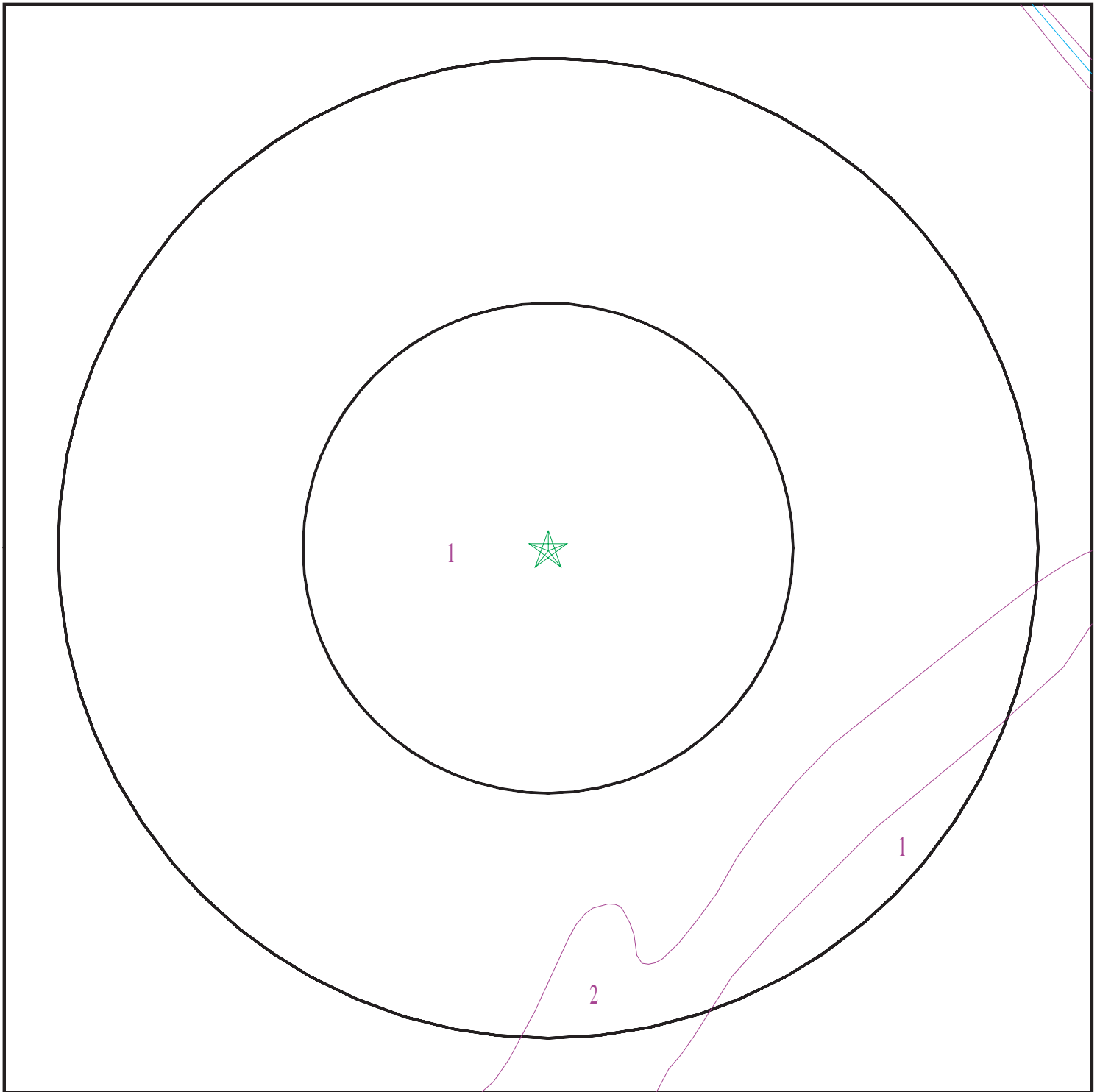
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

SSURGO SOIL MAP - 4994402.2s



- ★ Target Property
- ∨ SSURGO Soil
- ∨ Water

0 1/16 1/8 1/4 Miles



SITE NAME: SW Corner of Escondido Avenue and Major Place
ADDRESS: Not Reported
Hesperia CA 92344
LAT/LONG: 34.423724 / 117.374655

CLIENT: Terracon
CONTACT: Ann Lauder milk
INQUIRY #: 4994402.2s
DATE: July 17, 2017 10:48 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: HESPERIA

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	5 inches	59 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: CAJON

Soil Surface Texture:
Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	5 inches	42 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
3	42 inches	59 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000143891	1/4 - 1/2 Mile WSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

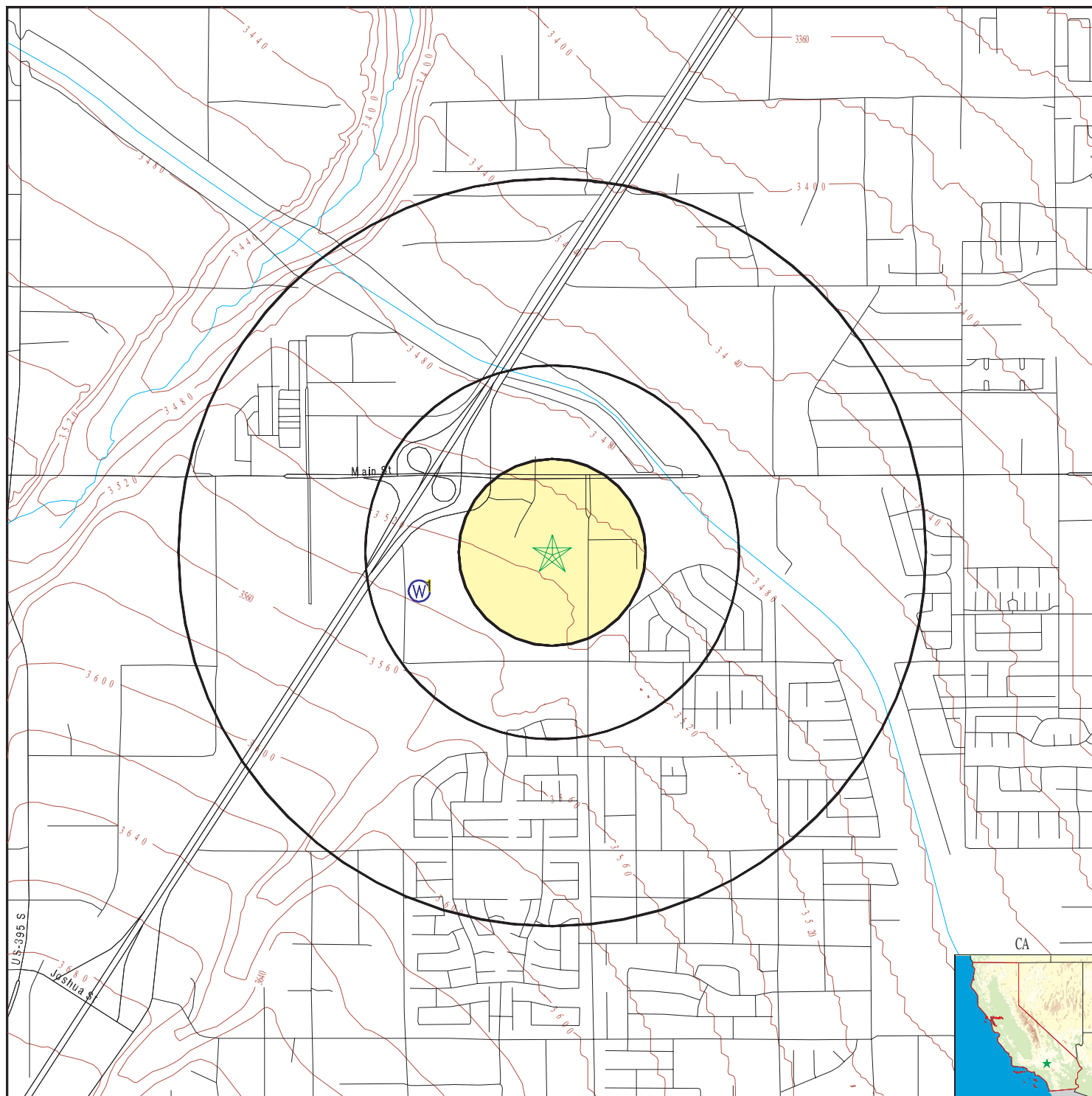
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 4994402.2s



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

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

SITE NAME: SW Corner of Escondido Avenue and Major Place
 ADDRESS: Not Reported
 Hesperia CA 92344
 LAT/LONG: 34.423724 / 117.374655

CLIENT: Terracon
 CONTACT: Ann Laufermilk
 INQUIRY #: 4994402.2s
 DATE: July 17, 2017 10:47 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1

WSW

FED USGS

USGS40000143891

1/4 - 1/2 Mile

Higher

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-342520117224801		
Monloc name:	004N005W23E001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18090208	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	34.4222213
Longitude:	-117.3808803	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	3532
Vert measure units:	feet	Vertacc measure val:	1.0
Vert accmeasure units:	feet		
Vertcollection method:	Altimeter		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19860827	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92344		

Federal EPA Radon Zone for SAN BERNARDINO County: 2

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

Federal Area Radon Information for Zip Code: 92344

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.600 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish & Game

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

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

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

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

STREET AND ADDRESS INFORMATION

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APPENDIX E CREDENTIALS

ANN M. LAUDERMILK

Environmental Project Manager

Ms. Laudermilk is a Project Manager with CHJ and has 14 years of experience in performing environmental assessments. Ms. Laudermilk joined CHJ in 2003 during which time her duties included performing Phase I environmental site assessments, as well as conducting subsurface investigations. She was promoted to the position she currently holds as Environmental Project Manager in 2005. Ms. Laudermilk is responsible for the daily management of the Environmental Division including field oversight, project costing/scheduling, and proposal preparation. Her work also includes performing Phase I environmental site assessments and conducting subsurface investigations. These projects include large residential developments, grade separation and other corridor alignments, and numerous individual industrial, commercial, and vacant properties, as well as storm water sampling and water quality monitoring well sampling.

Education:

B.A. in Geology, Pomona College, Claremont, California 1994

Certifications:

OSHA 40 Hour
Hazardous Waste
Operations and
Emergency Response
Training

Years with CHJ:

14

EXPERIENCE:

- *Highway 111 1.6 Mile Street Improvement Project, Phase I Environmental Site Assessment, Indio, California*
- *San Bernardino County Redevelopment Agency, Various Phase I Environmental Site Assessments*
- *Preliminary Environmental Site Assessment - Historical Citrus Packing House, Redlands, California,*
- *Ben Clark Training Center, Limited Subsurface Investigation, Riverside, California*
- *Chamber of Commerce & Historical Police Station, Limited Subsurface Investigation, Upland California*
- *LLU Tippecanoe Site, Limited Subsurface Investigation, San Bernardino, California*
- *East Campus Child Development Center Expansion, Limited Subsurface Investigation, UCR, Riverside, California*
- *Loma Linda University, 12 PESAs, Loma Linda and San Bernardino, California*
- *West Hall Parking Structure, Phase I Environmental Site Assessment, Loma Linda University, Loma Linda, California*
- *West Campus Solar Photovoltaic Project, Phase I Environmental Site Assessment and Limited Subsurface Investigation, University California, Riverside; California*
- *Glen Mor II, Phase I Environmental Site Assessment and Limited Subsurface Investigation, University California, Riverside; California*
- *Colton Crossing, Colton, California*
- *Hazardous Materials Corridor Study, Vineyard Avenue Grade Separation Project, Ontario, California*



CHJ Consultants

A Terracon COMPANY

MICHAEL P. HARRIS, P.G.

SENIOR PROJECT MANAGER

PROFESSIONAL EXPERIENCE

Michael Harris has managed and worked on public and national private sector environmental projects for more than 25 years. Michael's experience covers an expansive range of projects and programs involving regulatory strategy development and implementation; oil and gas exploration permitting and assessments; underground storage tank compliance and upgrades; remediation system design; site remediation and closure; agency negotiation; compliance and multi-media permitting; risk assessment; merger and acquisition; environmental, health and safety policy and planning; and litigation support. His experience gives him an intimate knowledge of assessment and remediation programs under the various state and local regulations throughout the U.S. and Canada.

PROJECT EXPERIENCE

National Account Manager – Ryder Truck Rental, Inc. and H&E Equipment Services, Inc. throughout the U.S.

As a National Account Manager, Michael manages Ryder Truck Rental and H&E Equipment for Terracon which provides large national firms with a streamlined, consistent approach to procuring geotechnical, environmental, construction materials or facilities services throughout the United States. Our National Account Program provides our geographically diverse clients with the necessary resources and expertise to achieve even the most ambitious business goals.

Waste Management – Mississippi Solid Waste Facilities

Project Manager for Groundwater Assessment Monitoring at numerous active and closed solid waste facilities. A statistical method to evaluate the groundwater data was selected in accordance with the EPA statistical guidance document ("Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance", July 1992), and ASTM standard D6312-98 Standard Guide for Developing Appropriate Statistical Approaches for Groundwater Detection. Statistical evaluations are made by comparing inorganic parameters to background using inter-well (upgradient vs. downgradient) comparisons.

Plains All America Pipeline – Mobile, AL

Michael served as project manager for the environmental construction supervision of the installation of a new high pressure pipeline. The route of the new pipeline had to traverse through an active creosote hazardous waste facility. Approximately 607,000 gallons of impacted groundwater was containerized onsite and transported offsite for treatment prior to disposal.

Ryder Truck Rental Facilities – throughout U.S.

Michael served as project manager for underground storage tank (UST) compliance involving the conversion of gasoline USTs to diesel USTs, in accordance with the respective state and local regulations and guidelines. The project was complex due to the age of the USTs and piping configurations of each site. Many sites entailed piping upgrades and/or converting the piping to a manifold type of configuration.

Circle K Retail Petroleum Facilities – Memphis, TN

Michael managed a Rapid Release Phase II Environmental Site Assessment project for Circle K and within five days completed 20 Phase II Site Assessments for properties divested by BP Oil Company. Work was conducted by three crews and no accidents, no losses and no near losses occurred during that period. The client's engineer was supervising field work throughout project activities.

BP Oil Company Retail Petroleum Facilities – multiple sites in AL, MS, and TN

Michael performed contamination assessments at approximately 18 retail petroleum facilities. Assessment tasks included: installation of soil borings and monitor wells; field analysis of collected soil samples; collection and laboratory analysis of soil and groundwater samples; aquifer characterization; and identification of potential hydrocarbon sources, migration routes, and receptors. Completed these investigations in eight weeks, and was awarded *Contractor of the Year* by the client.



EDUCATION

Bachelor of Science, Geology
Mississippi State University,
1991

REGISTRATIONS

Professional Geologist:
Mississippi, No. 0669
Alabama, No. 362
Arkansas, No. 1987
Georgia, No. PG001647
Louisiana, No. 534
Tennessee, No. 4131

Louisiana Contractors License,
Hazardous Waste Assessment /
Remediation and UST Closure
Specialty

Louisiana UST Individual Closure
License

AFFILIATIONS

National Ground Water
Association

CERTIFICATIONS

29 CFR 1910.120 Hazardous
Waste Operations and
Emergency Response – 40 Hour

WORK HISTORY

Terracon Consultants, Inc.
2014 - Present

EarthCon Consultants, Inc.
2007-2014

Groundwater and Environmental
Services, Inc.
2002-2006

H₂O Environmental, Inc.
1991-2006

Michael P. Harris, P.G. (continued)

Pennzoil Quaker State / Shell Oil and Lubricants Terminal – Vicksburg, MS

Michael prepared Site Characterization Report, and implemented a groundwater monitoring program for this facility in accordance with MDEQ-Voluntary Cleanup regulations.

Denbury E&P Company – Smithdale, MS

Michael managed and supervised the assessment and remediation of an Active Enhanced CO₂ Tertiary Recovery Oil Production Field. An oil well had an uncontrolled release, and remediation included soil and groundwater remediation system design in accordance with Mississippi Department of Environmental Quality–Uncontrolled Sites regulations.

Pursue Energy Sour Natural Gas Processing Plant – Thomasville, MS

Michael updated SPCC Plans in accordance with current regulations and supervised naturally occurring radioactive material (NORM) surveys in accordance with the MS Oil and Gas Board.

Former Amerada Hess Petroleum Refinery, Terminal and Pipeline Facility – Purvis, MS

Michael implemented a RCRA monitoring program for this facility in accordance with MDEQ–HWB regulations.

Ryder Truck Rental Facilities – AL, AR, GA, MS and TN

Michael performed UST closure activities at 37 sites to facilitate compliance with U.S. Environmental Protection Agency UST guidelines. Projects involved the removal of approximately 24,530 tons of petroleum-impacted soil that was transported offsite for either bioremediation or thermal treatment. Additionally, approximately 300,000 gallons of petroleum-impacted groundwater was removed from the excavations and either treated on site or hauled offsite for treatment. Performed all of the required subsequent assessments and received “No Further Action” status on 22 of the sites.

Independent Retail Petroleum Facilities – Mobile, AL

Michael performed design, project management, site supervision, installation, and O&M of dual-phase remediation system. This remediation system consisted of a 40 and 25 horsepower (hp) vacuum pump, oil/water separation, air stripping, and air treatment via thermal oxidation or catalytic oxidation.

Zurich Commercial Insurance Company | Southeast

Michael performed project management and technical oversight to investigate environmental insurance claims for their policies. He conducted site inspections and summarized findings for Company’s legal counsel.

Former Ryder Truck Rental Tanker Washout Facility | Birmingham, AL

Michael implemented a RCRA closure for this facility, pursuant to Alabama Department of Environmental Management–Hazardous Waste Branch regulations. A “No Further Action” status was granted for this RCRA closure.

Ryder Truck Rental Facility | Knoxville, TN

Michael was project manager for the O&M of the remediation system. He implemented a geophysical subsurface mapping program using electrical resistivity and seismic refraction technology to identify geologic faults and other geologic features that assisted in site remediation.

Ryder Truck Rental Facility | Baton Rouge, LA

Michael managed the removal of three diesel fuel 12,000-gallon USTs and associated appurtenances. Approximately 107 tons of petroleum-impacted backfill and soil was loaded onto trucks and transported to Soil Remediation, Inc. in Kingsland, Georgia for thermal incineration. Michael also managed the removal of one used oil 2,500-gallon UST and associated appurtenances. Approximately 12,960 gallons of sludge and liquids were removed from the USTs and product lines and transported offsite for subsequent disposal/recycling.

Ryder Truck Rental | Monroe, LA

Michael managed the operation and maintenance of a soil and groundwater remediation system at the Ryder facility from 1999 through 2006. A RECAP assessment, pilot testing, Corrective Action Plan, and additional assessment activities were performed to enhance the recovery of phase separated hydrocarbons and groundwater.

Michael P. Harris, P.G. (continued)

Ryder Truck Rental | New Iberia, LA

Michael managed the removal of one diesel fuel 12,000-gallon UST and associated appurtenances. Approximately 335 gallons of sludge and liquids were removed from the UST and product lines and transported offsite for subsequent disposal/recycling. Based on the presence of petroleum-impacted backfill and native soil, a remedial excavation was performed. Approximately 154 tons of petroleum-impacted backfill and soil was loaded onto trucks and transported to Soil Remediation, Inc. in Kingsland, Georgia for thermal incineration.

Jimmy Sanders / Pinnacle Agriculture | Monroe, LA

Michael managed a RECAP assessment for this agriculture chemical distribution facility. After submittal of a deed convenience notice, the facility received a "No Further Action-At This Time" approval from the LDEQ.

APPENDIX F
DESCRIPTION OF TERMS AND ACRONYMS

Description of Selected General Terms and Acronyms

Term/Acronym	Description
ACM	<p>Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).</p> <p>Regulatory agencies have generally defined ACM as a material containing greater than one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.</p> <p>Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.</p>
AHERA	Asbestos Hazard Emergency Response Act
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
Brownfields	State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally Exempt Small Quantity Generators
CFR	Code of Federal Regulations

Description of Selected General Terms and Acronyms

Term/Acronym	Description
CREC	Controlled Recognized Environmental Condition is defined in ASTM E1527-13 as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.”
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a “solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”
HREC	Historical Recognized Environmental Condition is defined in ASTM E1527-13 as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”
IC/EC	A listing of sites with institutional and/or engineering controls in place. IC include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls. EC include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.
ILP	Innocent Landowner/Operator Program
LQG	Large Quantity Generators
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/L	picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ("cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.
RCRA CORRACTS/TS Ds	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TS Ds	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E1527-13 as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment. <i>De minimis</i> conditions are not recognized environmental conditions.”
SCL	State “CERCLIS” List (see SPL /State Priority List, below).
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State “CERCLIS” List.
SQG	Small Quantity Generator
SWF/LF	State and/or Tribal database of Solid Waste/Landfill facilities. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-13, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.
VOC	Volatile Organic Compound

Description of Selected General Terms and Acronyms

Term/Acronym	Description
Wetlands	<p>Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <u>Corps of Engineers Wetlands Delineation Manual</u> (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.</p> <p>The federal Clean Water Act which regulates “waters of the US,” also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.</p>