

**Phase I Environmental Site Assessment
Generator Tie Transmission Line
Major Use Permit 3300-12-010
Rezone 3600-12-005
Environmental Review Project Number 3910-120005
Boulevard, California 91905
Unincorporated San Diego County**

Prepared for:

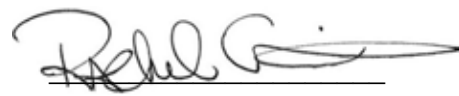
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1.0 EXECUTIVE SUMMARY

A Phase I Environmental Site Assessment (ESA) was conducted for the proposed generator tie transmission (Gen-Tie) line located in Boulevard, Unincorporated San Diego County, California (subject property, Figure 1). The subject property is approximately 6 miles in length and is located on a portion of the following 18 assessor's parcel numbers (APNs; Figure 2):

612-082-12-00	612-092-13-00	612-110-18-00	658-051-08-00	658-090-17-00	659-010-15-00
612-090-57-00	612-100-02-00	612-110-20-00	658-051-17-00	658-090-36-00	659-070-11-00
612-090-58-00	612-110-02-00	658-051-07-00	658-060-20-00	659-010-01-00	659-070-16-00

The subject property consists of paved and unpaved roads as well as animal grazing areas and vacant land. Several of the APNs associated with the subject property are/have been used for residential purposes.

The findings of this investigation are based upon a review of historical source information, a search of regulatory records, property owner/representative interviews, and a site reconnaissance.

Information gathered for this report indicated the following:

- No groundwater wells or septic systems were observed on the subject property. Groundwater wells and septic tanks were observed on the parcels associated with the subject property.
- No chemical or petroleum storage was observed on the subject property. Aboveground storage tanks and 55-gallon drums containing petroleum products and automotive chemicals were observed on parcels associated with the subject property.
- Railroad tracks were observed on portions of the subject property. Based on the age of the railroad and associated railroad operations, surface soils within the railroad right-of-way may contain metals, polynuclear aromatic hydrocarbons (PAHs), petroleum products, pesticides, coal ash, or creosote.
- Miscellaneous debris including chemical containers, machinery, industrial components, automotive components, ranch and livestock materials and various other trash and building materials was observed on parcels associated with the subject property.
- Burn ash was observed on one of the parcels associated with the subject property.

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- Based on the review of the database search report, there is one site, approximately 0.3 miles east of the subject property, where the subsurface is impacted by a fuel spill. While the site is far enough from the subject property that it is not expected to impact it, measures should be in place to protect worker health and safety if contaminated soil is discovered when the transmission line is installed. In addition, if contaminated soil is removed, it should be disposed of according to appropriate regulatory guidelines.

Dudek has performed this Phase I Environmental Site Assessment of the subject property in conformance with the scope and limitations of ASTM Practice E 1527-05. Based on the information reviewed this report, the following recognized environmental conditions were identified:

- Burn ash was observed on the Contasti property (APN 658-051-07-00). The residence was burned down due to a wildfire. Burn ash is the residual ash that results from the low temperature combustion of solid waste. The residual ash from nonhazardous household refuse tends to contain metals at concentrations that may be considered hazardous under California regulations. Additionally, since the age of the residence is unknown, there is a potential that the building was constructed with lead based materials. Thus, the burn ash may contain elevated concentrations of metals.
- A railroad was present on the subject property (SD and AZ Rail). Based on the age of the railroad (since at least 1944), surface soils within the railroad right-of-way may contain metals, PAHs, petroleum products, pesticides, coal ash, or creosote.

Based on these findings, Dudek recommends that soil samples be collected from the following areas and analyzed for the following constituents if soil will be disturbed:

Location	Constituent to be Analyzed
Within the railroad right-of-way	Metals, PAHs, petroleum hydrocarbons, pesticides, coal ash, creosote
Where burn ash was observed (Contasti property)	Metals

The results should be evaluated to assess potential human health and environmental risk. If the subject property is to remain vacant and soil is not disturbed, soil sampling would likely not be required by regulatory agencies.

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2.0 INTRODUCTION

This Phase I Environmental Site Assessment was performed according to the guidelines stipulated in the American Society for Testing and Materials Standard E 1527-05, “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process”. The subject property is located along the 6-mile proposed Gen-Tie line in Boulevard, Unincorporated San Diego County, California. This Phase I ESA is being conducted as environmental due diligence prior to the installation of the transmission line which will connect the renewable-energy generator to the Boulevard rebuild substation.

2.1 Assessment Procedure and Scope of Investigation

Phase I Environmental Site Assessments assist in identifying past and present land use, including identification of possible on-site releases or disposal of manufacturing or other wastes if such information is contained within regulatory reports, files, and/or is currently visible on-site. The assessment reviews local, county, state, and U.S. Environmental Protection Agency lists of known or potentially hazardous waste sites, landfills, and sites currently under investigation for environmental violations that may be of concern to the subject property.

The scope of the environmental investigation consisted of: 1) a reconnaissance of the accessible subject property areas; 2) a computerized database search of regulatory agency records; 3) a review of local regulatory agency files; 4) a review of available historical aerial photographs, topographic maps, and city directories 5) an interview with the property owner(s) or representative(s); and 6) the preparation of this Phase I Environmental Site Assessment Report detailing the findings of the investigation.

These activities were conducted in order to identify recognized environmental conditions. The term recognized environmental conditions means the presence or likely presence of any hazardous substances or petroleum products on the subject property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into the ground, groundwater, or surface water on the subject property.

The term recognized environmental condition is not intended to include *de minimus* conditions. *De minimus* conditions are conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

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2.2 Qualifications of Environmental Professionals

The Phase I ESA was prepared by Rachel Ganiere, Environmental Engineer, Patrick Rentz, Geologist, John S. Quinlan, Technician, and Glenna McMahon, Professional Engineer. The site reconnaissance was conducted by Mr. Quinlan. Qualifications for Ms. Ganiere, Mr. Rentz, Mr. Quinlan, and Ms. McMahon are presented in Appendix A.

The Phase I ESA was conducted under the supervision of Glenna McMahon, a Professional Engineer, with 13 years of relevant experience. I 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. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

3.0 SITE LOCATION

The subject property is located along a 6-mile proposed route in Boulevard, Unincorporated San Diego County, California (Figures 1 and 2). Some portions of the route are not finalized, thus alternate routes were also evaluated. The subject property is located within 18 APNs. Information for each of the properties is listed in Table 1.

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Table 1. Property Owner and Associated Parcels

Property Name	Owner	APN	Property Address
Allen	Allen Family Trust	658-090-36-00	940 Tierra del Sol
Contasti	Contasti Joseph and Austra Trs	658-051-07-00	0 Tierra del Sol
County ROW	San Diego County	--	Tierra del Sol
Davis	Davis William M II	658-090-17-00	0 Tierra del Sol
Lansing	Lansing Industries P S P LLC	612-082-12-00	0 Jewell Valley
		612-100-02-00	0 Jewell Valley
		612-110-02-00	0 Jewel Valley
		612-110-18-00	0 Jewel Valley
		612-110-20-00	0 Jewel Valley
		659-010-01-00	0 Jewel Valley
		659-010-15-00	0 Tierra del Sol
		659-070-16-00	0 Tierra del Sol
Pulver	Pulver Family Trust 11-08-08	658-051-17-00	0 Tierra Real
SDGE	San Diego Gas and Electric Co.	612-092-13-00	40749 Old Highway 80
SD and AZ Rail	San Diego and Arizona Eastern Railway Co.	658-051-08-00	--
Simpson	Simpson James Trust 04-17-08	659-070-11-00	1367 Tierra del Sol
Tecate	Tecate Divide LLC	612-090-57-00	0 Fisher
Troy	Troy Michael P	612-090-58-00	1991 Flying Cloud

Dirt and paved roads along with undeveloped properties are located to the north, south, east, and west of the subject property.

4.0 ENVIRONMENTAL SETTING

General topographic information for the subject property and the surrounding area was obtained from a review of a USGS topographic map for Live Oak Springs and Tierra del Sol, California (Appendix B) and from the site visit. The elevation of the subject property is between approximately 3400 and 3800 feet above mean sea level.

The subject property crosses the Tecate Divide, Rattlesnake Mountain, and Jewell Valley. Surface water on the subject property generally drains toward the south and east via naturally eroded drainages.

No subsurface geologic investigations were performed as part of the Phase I ESA. According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), the soils on the subject property consist predominantly of loamy coarse sand.

Based on property owner interviews (Section 5.1; Appendix D) and County of San Diego Department of Environmental Health (SD DEH) files (Section 5.3.1; Appendix E), groundwater wells are located on parcels associated with the subject property. Depths to

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water, in the vicinity of the subject property, range between 8.14 feet below ground surface (bgs) and 600 feet bgs.

5.0 INTERVIEWS

5.1 Property Owner/Representative Interview

Dudek was provided contact information for the property owners/ representatives with the exception of SDG&E, SD and AZ Rail, and Simpson properties. Between February 26 and March 1, 2013, Rachel Ganiere of Dudek contacted the owners/representatives of the Allen, Contasti, Davis, Lansing, Pulver, Tecate, and Troy properties to obtain information on the subject property and adjoining properties.

Allen

Mr. David Allen indicated that he has owned the property for 30 years. The property was undeveloped until a 2-bedroom dwelling and metal work shop were constructed 10 years and 15 years ago, respectively. When the residence was constructed, a groundwater well and septic tank were installed. He stated that no trash has been buried on the property. In addition, he stated that he is not aware of contamination at the property.

Contasti

Mr. Joe Contasti stated that he purchased the property between 30 and 40 years ago. The previous occupant raised goats on the property. A residence, groundwater well, and septic tank were present when he purchased the property. Mr. Contasti stated that he installed an additional groundwater well at the property in the 1970s. In addition, Mr. Contasti stated that a natural spring is located on the property.

Mr. Contasti indicated that he has not been to the property for approximately 10 years. The residence has since burned down. He stated that there was a lot of junk on the property related to raising goats and performing other agricultural activities. Mr. Contasti mentioned that stove oil was delivered to the site in 55-gallon drums, but the drums are no longer at the property. He stated that he is not aware of hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or other waste materials dumped, buried, or burned at the property.

Davis

Mr. William Davis has owned the property for approximately 10 years. Mr. Davis stated that the property is currently and was previously used for animal grazing (by pigs, horses, goats, and chickens). Mr. Davis stated that the only structures on the subject property consist of animal enclosures. He stated that no hazardous substances, petroleum

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products, unidentified waste materials, tires, automotive or industrial batteries or other waste materials have been dumped, buried, or burned on the site.

Mr. Davis said that a groundwater well was installed at the property in 2012. He stated that the depth to water was approximately 200 feet bgs.

Lansing

Mr. Gordon Dawson has been overseeing landscaping, infrastructure, fencing, irrigation, forestry, and ranching operations at the Lansing property for two and a half years. The property has been used as a cattle and horse ranch for 34 years. Previously, the property was undeveloped. As part of the landscaping work, Roundup® has been applied on the property. Additionally, five leach fields associated with the septic system are present on the property. Two pad-mounted transformers are also located on the property.

One 400-gallon and two 500-gallon aboveground storage tanks (ASTs) are located on the Lansing property. Mr. Dawson stated that the 400-gallon diesel AST is currently empty, and the 500-gallon ASTs contain gasoline and diesel fuel.

Ten groundwater wells are present on the Lansing property. Mr. Dawson stated that four of the wells are currently pumping to provide drinking and irrigation water. The wells have depths-to-water of approximately 600 feet bgs. Three groundwater wells are non-operational with approximate depths to water of 14 feet bgs. Three groundwater wells are open boreholes.

Pulver

Mr. Philip Herrera stated that the property was purchased in 1996 by the current owner. The property has been used as a residence. He stated that a groundwater well and septic tank are present on the property. Mr. Herrera stated that no tanks other than a water tank are present on the property. He stated that no hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries or other waste materials have been dumped, buried, or burned on the site.

Tecate

Dudek provided an interview questionnaire to Mr. Alex Gruft, owner representative of the Tecate property via email on February 26, 2013. Mr. Gruft replied via email on March 11, 2013 and stated that the property is vacant land with no existing structures or utility hook-ups (Appendix D). Mr. Gruft cited the Transmission Easement Option paragraphs 11.3 and 11.4, which state “No hazardous substances are or were located on the Property in violation of applicable laws...” and “The Property is currently in full and

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complete compliance with all governmental laws, ordinances, orders, rules, and regulations applicable to the Property.”, respectively, and he concluded that these paragraphs should satisfy the questionnaire.

Troy

Dudek provided an interview questionnaire to Mr. Troy via email on February 28, 2013. Mr. Troy returned the questionnaire via email on March 12, 2013. Mr. Troy stated that the property is currently used as a residential property. He is unaware of previous uses of the property. Mr. Troy stated that a groundwater well is present on the property. He stated that no hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries or other waste materials have been dumped, buried, or burned on the site.

5.2 User-Provided Information

In accordance with ASTM Standard 1527-05, the user of this Phase I ESA, Tierra Del Sol Solar Farm LLC, answered (in italics) the following questions regarding the environmental integrity of the subject property:

- 1) Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

Tierra del Sol Solar Farm LLC (“TDS”) is not aware of any cleanup liens filed against the property.

- 2) Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

TDS has not been notified of, nor is aware of any land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed against the property.

- 3) As the user of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

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TDS does not have any specialized knowledge or experience related to the property or nearby properties and is not engaged in the same line of business as the current or former occupants of the property or adjoining property.

- 4) If the purchase price of the subject property was below fair market value, did this occur because contamination was/is known or believed to be present at the property?

TDS is under contract to purchase the property at an agreed upon market price relating to its intended use. TDS has considered the likelihood of contamination and is not aware of any contamination known or present on the property.

- 5) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,
- Do you know the past uses of the property?
 - Do you know of specific chemicals that are present or once were present at the property?
 - Do you know of spills or other chemical releases that have taken place at the property?
 - Do you know of any environmental cleanups that have taken place at the property?

TDS has been notified that portions of the ROW were previously utilized for cattle grazing. TDS not aware of any chemicals present or that any were present at the property and/or spills or other chemical releases that have taken place onsite. TDS has no knowledge of any environmental cleanups at the property.

- 6) As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

TDS is not aware of any obvious indicators that suggest or present evidence of any contamination at the property.

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5.3 Agency Interviews

5.3.1 County of San Diego Department of Environmental Health

5.3.1.1 *Land and Water Quality Division*

Permit records maintained by SD DEH Land and Water Quality Division were accessed online between February 26 and March 1, 2013 to obtain permit information for the APNs associated with the subject property. Permits and information on file are summarized in Table 2. Copies of records are included in Appendix E.

The SD and AZ Rail property does not have an address associated with the APN. Therefore, no information was obtained from the Land and Water Quality Division for the SD and AZ Rail property.

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Table 2. County of San Diego Department of Environmental Health

Address Searched	Property Associated with Address	Permit No.	Date	Record Type	Record Status	Notes
0 Fisher	Tecate	No Records				
1991 Flying Cloud	Troy	DEH1983-LWELL-11524	9/27/1983	Water Well Program	LWQ/Expired/(none)	New private well
		DEH2012-LOWTS-20531	10/30/2012	Onsite Wastewater Treatment System	Approved	Ground mount solar
0 Jewel Valley	Lansing	DEH1978-LWELL-7230	1/20/1978	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1982-LWELL-4335	1/14/1982	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1982-LWELL-11448	10/19/1982	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1988-LWELL-6974	11/9/1988	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1989-LWELL-4101	1/30/1989	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1990-LWELL-4071	8/3/1990	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1990-LWELL-4070	8/27/1990	Water Well Program	LWQ/Expired/(none)	No additional information
0 Jewell Valley	Lansing	No Records				
40749 Old Highway 80	SDG&E	DEH2006-LSTP-6716	7/11/2006	Onsite Wastewater Treatment System Permit	Expired	No additional information
		DEH2007-LWELL-18330	5/21/2007	Water Well Program	Expired	Three water wells on permit
0 Tierra del Sol	Contasti Davis Lansing	DEH1975-LWELL-2201	8/15/1975	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1979-LWELL-3827	7/23/1979	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1979-LWELL-3142	11/1/1979	Water Well Program	LWQ/Expired/(none)	New private well
		DEH1979-LWELL-3143	11/1/1979	Water Well Program	LWQ/Expired/(none)	New private well
		DEH1980-LWELL-6655	5/6/1980	Water Well Program	LWQ/Expired/(none)	New private well associated with APN 659-070-13
		DEH1983-LWELL-3497	6/8/1983	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1984-LWELL-5283	8/20/1984	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1987-LWELL-2889	4/14/1987	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1990-LWELL-3293	5/17/1990	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH2002-LWELL-14728	5/17/2002	Water Well Program	LWQ/Expired/(none)	New Private well associated with APN 658-090-18
		DEH2002-LWELL-14729	5/17/2002	Water Well Program	LWQ/Expired/(none)	New Private well associated with APN 658-090-18
		DEH2002-LWELL-14727	11/15/2002	Water Well Program	LWQ/Expired/(none)	New Private well associated with APN 658-090-18

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Table 2. County of San Diego Department of Environmental Health

Address Searched	Property Associated with Address	Permit No.	Date	Record Type	Record Status	Notes
940 Tierra del Sol	Allen	DEH1983-LWELL-4632	12/1/1983	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH1986-LWELL-9056	4/23/1986	Water Well Program	LWQ/Expired/(none)	No additional information
		DEH2004-LOWTS-3809	2/4/2004	Onsite Wastewater Treatment System	Expired	Septic layout
		DEH2004-LSTP-2222	2/5/2004	Onsite Wastewater Treatment System	Expired	No additional information
1367 Tierra del Sol	Simpson	DEH2002-LWELL-14817	5/17/2002	Water Well Program	LWQ/Expired/(none)	New private well
0 Tierra Real	Pulver	No records				

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5.3.1.2 Site Assessment and Mitigation Program and Hazardous Materials Division

Dudek contacted the SD DEH Site Assessment and Mitigation (SAM) Program and the Hazardous Materials Division (HMD) on February 20, 2013 to obtain information regarding the subject property. According to Joyce Ellman, the SD DEH SAM Program and HMD do not have records for the parcels associated with the subject property (Appendix E).

5.3.2 County of San Diego Department of Public Works

Permit records maintained by the County of San Diego Department of Public Works were accessed online on February 28, 2013 to obtain permit information for the subject property. The records are filed by address. No records were identified for addresses associated with the subject property.

5.3.3 County of San Diego Planning and Development Services

Permit records maintained by the County of San Diego Planning and Development Services were accessed online between February 26 and March 1, 2013 to obtain permit information for the subject property. The permits included building and code enforcement records. The records are filed by address. Permits and information for the addresses associated with the subject property are summarized in Table 3 Copies of the records are included in Appendix E.

The SD and AZ Rail property does not have an address associated with the parcel. Therefore, no information was obtained from the County of San Diego Planning and Development Services for the SD and AZ Rail property.

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Table 3. County of San Diego Planning and Development Services

Address Searched	Property Associate d with Address	Permit No.	Date	Record Type	Record Status	Notes
0 Fisher	Tecate	No records				
1991 Flying Cloud	Troy	PDS1995-C-95001941	1/25/1995	New Primary Residential Structure	Completed	Renew mobile home on permanent permit
		PDS1998-C-9500194999	6/29/1998	New Primary Residential Structure	Issued	Renew mobile home on permanent permit
		PDS2012-1031-20121490	10/30/2012	Residential Alteration or Addition	Completed	Roof mounted photovoltaic system
0 Jewel Valley	Lansing	PDS2002-RFS-02-0006898	3/7/2002	General Enforcement	Closed	RV Camping, special events
0 Jewell Valley	Lansing	No records				
40749 Old Highway 80	SDG&E	PDS1989-E-89001351	2/15/1989	Residential Alteration or Addition	Completed	Upgrade from 60 to 100 amps
		PDS1992-C-92006601	2/24/1992	Residential Alteration or Addition	Completed	Re-stucco the existing storage building
		PDS1992-C-9200660999	2/24/1992	Residential Alteration or Addition	Completed	Re-stucco the existing storage building
		PDS2007-1007-20070575	8/17/2007	Residential Alteration or Addition	Completed	Electrical upgrade from 100 to 200 amps
		PDS2009-3720-84-0177	7/1/2009	Certificate of Compliance	Backfile	No additional information
0 Tierra del Sol	Contasti Davis Lansing	PDS2000-RFS-00-0001030	5/10/2000	General Enforcement	Closed	Trash, debris, abandoned vehicles, dead animals
		PDS2000-RFS-00-0001860	8/8/2000	General Enforcement	Closed	Non-operational vehicles, junk, trash, and debris
		PDS2005-RFS-05-0000782	3/9/2005	General Enforcement	Closed	Junk and trash (APN 658-040-110 – not subject property)
		PDS2006-RFS-06-0019015	3/27/2006	General Enforcement	Closed	13 abandoned vehicles and owner wants removed
		PDS2006-RFS-06-0021109	6/29/2006	General Enforcement	Closed	Grading over 4 feet
940 Tierra del Sol	Allen	PDS1990-C-90055411	8/13/1990	New Residential Detached Accessory Structure	Completed	Agricultural steel building
		PDS1990-C-9005541999	8/13/1990	New Residential Detached Accessory Structure	Completed	Agricultural steel building
		PDS1999-1011-99000280	7/1/1999	Residential Alteration or Addition	Withdraw	No additional information
		PDS2003-1001-2031376	8/8/2003	New Primary Residential Structure	PC Expired	Building site inspection
		PDS2004-1003-20040118	2/5/2004	New Primary Residential Structure	Completed	Permits include: framing, plumbing, foundation, etc.
1367 Tierra del Sol	Simpson	No records				
0 Tierra Real	Pulver	PDS2003-RFS-03-0011405	4/16/2003	General Enforcement	Closed	Non-operational vehicles

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6.0 SITE RECONNAISSANCE

A site reconnaissance was conducted on February 26, 2013 by John S. Quinlan of Dudek. The site reconnaissance consisted of walking the site, recording observations, and taking photographs. Photographs are presented in Appendix E.

The subject property consists of paved and unpaved roads, single family dwellings, animal grazing areas with associated structures, as well as unoccupied and undeveloped land. The subject property is bordered to the north by Old Highway 80; to the east by private property; to the south by Tierra del Sol Road; and to the west by Tierra Del Sol Road and private property. Several residences and several old and uninhabited structures are located adjacent to the subject property. A network of maintained, unpaved roads provides access to the majority of the subject property.

The majority of the subject property is located within a recreational ranch (Lansing). The lesser parcels associated with the subject property consisted mostly of a single residence and undeveloped land. Dudek observed various vehicles and equipment stored adjacent to the residences at these sites. Most of these homes appear to be served by a domestic water well and septic tank / leach field system.

At the direction of the client, Dudek did not access the Pulver or Simpson properties. Access to the SDG&E property was not available during the site reconnaissance.

Allen

The subject property located within the Allen property consists of undeveloped land along Tierra del Sol (Photograph 1). A residential building is located approximately 400 feet west of the subject property.

Contasti

The proposed gen tie transmission line includes several proposed routes within the Contasti and Pulver parcels (Figure 3). Vacant land and debris associated with a former residence was observed on the Contasti property (Photographs 2-12).

Dudek observed significant impact from fire across more than half of the property (Photographs 2, 4-7, and 10). Dudek observed a home site that was consumed by the fire. Dudek observed evidence of various household and automotive chemical storage including a variety of containers and three 55-gallon drums (Photographs 5 and 6). Dudek observed large quantities of debris surrounding the home site. Dudek observed stock corrals, troughs and tanks (Photographs 10 and 12). Dudek observed large

Phase I Environmental Site Assessment Proposed Generator Tie Transmission Line

quantities of burn ash across the property. Dudek observed a developed spring on the property from which water was flowing (Photograph 9). Dudek observed a well or cistern on the northern portion of the property (Photograph 3). The depth to water as measured during the site reconnaissance was 8.14 feet. Dudek observed a well or cistern adjacent to the burned home site (Photograph 5). The depth to water as measured during the site reconnaissance was 19.65 feet. Dudek observed overhead transmission lines crossing the Contasti property (Photograph 4).

County ROW

Dudek observed unpaved shoulders along the paved Tierra del Sol roadway (Photograph 13). A power line runs parallel to Tierra del Sol Road along the western shoulder.

Davis

The subject property located within the Davis property consists of undeveloped land along Tierra del Sol Road (Photograph 14). The residence and associated storage are located on the western portion of the Allen property at least 250 feet west of the subject property.

Lansing

The majority of the subject property is occupied by a large recreational ranch (Photographs 15-22). This ranch is largely undeveloped and consists of desert scrub flora with rocky outcroppings across varying topography. There is a developed portion of the ranch along Jewel Valley Road including several residences, pastures, work space, a man-made pond, several wells and an airstrip. Dudek observed several above ground storage tanks for water from the wells (Photographs 21 and 22). Dudek observed pole-mounted and pad-mounted transformers in this portion of the subject property, but did not observe any evidence of the release of PCBs (Photograph 20). Dudek observed an area where coarse earthen material was removed by grading (Photograph 19). The southern, undeveloped portion of the ranch has been consumed by wildfire (Photograph 15).

SD and AZ Rail

Dudek observed railroad tracks crossing the subject property (Photograph 23).

Tecate

The subject property located within the Tecate property consists of undeveloped land, which consists of desert scrub flora.

Phase I Environmental Site Assessment Proposed Generator Tie Transmission Line

Troy

A residence, debris, and vacant land were observed on the Troy property (Photographs 24 through 36). Dudek observed several automobiles, which appeared to be inoperable, and industrial debris (Photographs 25, 26, 28, 29, 31, 33, 34, and 35). Dudek observed two large trailers and several large structures, in addition to the residence (Photographs 24, 27, 30, 32, and 36). Dudek did not have access to the trailers, structures or residence.

SUMMARY

Wetlands and Natural Waterways

No wetlands or natural waterways were observed on the subject property.

Surface Water Discharge

Dudek observed springs and ponds on the Contasti and Lansing properties (Photograph 9). Surface water flows in various directions, depending on topography, across the parcels associated with the subject property.

Distressed Vegetation

Dudek observed large areas of vegetation that had been distressed by fire within the Contasti and Lansing properties (Photographs 4, 5, and 15).

Indications of Solid Debris Storage

Dudek observed solid debris storage at nearly all residences and a variety of debris at the Contasti and Troy properties (Photographs 25, 28, 31, 32, and 34). This debris included chemical containers, machinery, industrial components, automotive components, ranch and livestock materials and various other trash and building material.

Chemical Storage or Use

Evidence of chemical storage was observed at the Troy and Contasti properties (Photographs 6 and 7). Chemical containers including 55-gallon drums were observed as well as machinery and material associated with chemical use.

Unnaturally Discolored Ponds or Flowing Waters

No unnaturally discolored pools were observed on the subject property.

Phase I Environmental Site Assessment Proposed Generator Tie Transmission Line

Groundwater Wells, Cisterns, Cesspools or Septic Tanks

Wells and cisterns were observed Contasti and Lansing properties (Photographs 3, 5, 21, and 22).

Burn Ash

Burn ash was observed on the Contasti property (Photographs 3, 5 through 8, and 11). The residence burned down during a wildfire.

Sumps

No sumps were observed on the subject property.

Transformers

Pole-mounted transformers were observed on the Contasti property (Photograph 4). Pole- and pad-mounted transformers are located on the Lansing property (Photograph 20). Several electric meters were observed on the subject property. No staining was observed near the transformers.

Abnormal Odor

Dudek did not notice any abnormal odors on the subject property.

Soil Disturbances

Dudek observed soil disturbance in the form of grading on Lansing property (Photograph 19).

Storage Tanks

Dudek observed several above ground storage tanks for water and fuel on the Contasti, Lansing, and Troy properties (Photograph 12, 26, and 33).

7.0 REVIEW OF HISTORICAL AERIAL PHOTOGRAPHS

Dudek reviewed historical aerial photographs for the years 1953, 1975, 1989, 1996, and 2010 (Appendix G). The photographs provide background information needed to assess potential historical activities that could present environmental concerns. The aerial photographs are described in Table 4.

Phase I Environmental Site Assessment Proposed Generator Tie Transmission Line

Table 4. Description of Historical Aerial Photographs

Date	Description
1953	Shrubland/unimproved land and dirt roads/trails are visible on the subject property. The unimproved/shrubland areas are located throughout the subject property. Dirt roads and trails are visible throughout the southern portion of the subject property. Properties to the north, west, and east appear to be unimproved, scrubland.
1975	The subject property appears similar to the 1953 aerial. It appears that expanses of land located in the southwest portion of the subject property have been cleared. The remaining portions of the subject property appear as unimproved land. Adjoining properties appear similar to the 1953 aerial photograph.
1989	The subject property and surrounding properties appear similar to the 1980 aerial with the following exception: a network of dirt roads is visible on the southwest portion of the subject property. Land surrounding the subject property to the north and east appears to have been cleared or graded.
1996	The subject property and surrounding properties appear similar to the 1989 aerial photograph with the following exception: an additional dirt road and cleared land are visible adjacent to the southwest portion of the subject property.
2010	The subject property and surrounding properties appear similar to the 1996 aerial photograph with the following exception: a small strip of land intersecting the northeast portion of the subject property appears to have been cleared or graded.

8.0 REVIEW OF HISTORICAL TOPOGRAPHIC MAPS

Historical topographic maps are another historical source that can be used to document the prior use of the subject property and surrounding area. Topographic maps dated 1944, 1959, 1959 (photo-revised 1975), 1996, and 1997 were reviewed (Appendix B). The topographic maps are described in Table 5.

Table 5. Description of Historical Topographic Maps

Date	Scale	Description
1944	1:62,500	Unimproved land is depicted on the majority of the subject property. There are trails that appear to intersect the northern and southern portions of the subject property. A small structure is depicted on the southwestern portion of the subject property. The area surrounding the subject property appears to be largely undeveloped. There are several roads, a railroad line and several residences that exist southwest of the subject property associated with a community labeled Hipass. Highway 80 and the city of Boulevard are depicted to the north of the subject property. A national boundary is depicted south of the subject property.
1959	1:62,500	The subject property and adjoining properties appear unchanged from the 1944 topographic quad. Hipass is now labeled Tierra del Sol. The photo-revised 1959 topographic quad. depicts Interstate 8 to the north of Highway 80.
1996, 1997	1:24,000	The subject property appears unchanged from the 1959 topographic quad. Additional residences appear to the south and west of the subject property and development appears south of the national border, in Baja California.

Phase I Environmental Site Assessment Proposed Generator Tie Transmission Line

9.0 SITE HISTORY

Based on review of the historical aerial photographs and topographic maps, agency records, City Directory listings, and the site owner/representative interviews, the subject property has been used as open land/shrubland and animal grazing. Dirt and paved roads as well as railroad tracks have been present on portions of the subject property since at least 1944. Portions of the parcels associated with the subject property have been used as open land/shrubland, residences, and animal grazing. Groundwater wells and septic tanks have been present on most of the parcels associated with the subject property.

Adjacent properties consist of public roads, unimproved land, and residential properties.

City Directory

City Directory listings were reviewed for historical information (Appendix G). Entries for surrounding properties located between 1558 and 2083 Jewel Valley Road, 37515 and 37839 Moon Valley Road and 686 and 1635 Tierra del Sol Road were listed. Tule Jim Lane was also searched, however no entries were listed. Jewel Valley Road and Moon Valley Road addresses are listed as residential. The majority of the Tierra del Sol Road addresses are listed as residential. Mountain Empire Chronicle existed at an unspecified address along Tierra del Sol Road in 1970. American Legion Post 363, Hipass Camp and REO Construction were located at unspecified addresses along Tierra del Sol Road in 1976. Lighthouse Baptist Church is listed at 1337 Tierra Del Sol Road in 2008.

10.0 PUBLIC AGENCY RECORDS SEARCH REVIEW

The regulatory database search report gives a listing of sites, within a one-mile radius of the subject property, which are known to be chemical handlers, hazardous waste generators, or polluters. Information in these listings includes the location of the site relative to the subject property, sources of pollution, and the status of the site. The search performed for this assessment was conducted in February 2013 by GeoSearch. The complete database search report is included in Appendix C.

The subject property was not listed in the databases searched by GeoSearch. One site was identified within the search radius in the regulatory database search. Another site was identified, but listed as “unlocatable” due to inadequate address information.

The following sections describe which databases were searched, search distances, and findings.

Phase I Environmental Site Assessment Proposed Generator Tie Transmission Line

10.1 U.S. Environmental Protection Agency (EPA) Federal Sources

Federal databases included in the radius search are shown in Table 6.

Table 6. Federal Regulatory Environmental Databases

Acronym	Database	Search Distance
AIRSAFS	Aerometric Information Retrieval System/Air Facility Subsystem	Target Property
BRS	Biennial Reporting System	Target Property
DOCKETS	EPA Docket Data	Target Property
EC	Federal Engineering Institutional Controls Sites	Target Property
FRSCA	Facility Registry System	Target Property
ICISNPDES	Integrated Compliance Information System National Pollutant Discharge Elimination System	Target Property
NPDES	National Pollutant Discharge Elimination System	Target Property
PCSR09	Permit Compliance System	
NLRRCRAG	No Longer Regulated RCRA Generator Facilities	Target Property and Adjoining
NRLRCRAT	No Longer Regulated RCRS Non-CORRACTS TSD Facilities	0.5 mile
RCRAT	RCRA – Treatment, Storage and Disposal Facilities	0.5 mile
DNPL	Delisted National Priorities List	1 mile
NLRRCRAC	No Longer Regulated RCRA Corrective Action Facilities	1 mile
NPL	National Priorities List (including proposed NPL sites)	1 mile
Proposed NPL	Proposed National Priority List Sites	1 mile
SF Liens	CERLIS Liens	0.5 mile
NFRAP	No Further Remedial Action Planned	0.5 mile
RCRAC	Resource Conservation and Recovery Act (RCRA) Corrective Action	1 mile
RCRASC	RCRA Sites with Controls	Target Property
RCRAGR09	RCRA - Generator Facilities	Target Property and Adjoining
ERNSCA	Emergency Response Notification System of spills	Target Property
HMIRS09	Hazardous Materials Incident Reporting System	Target Property
HISTPST	Historical Gas Stations	0.25 mile
DOD	Department of Defense Sites	1 mile
FUDS	Formerly Used Defense Sites	1 mile
BF	A Listing of Brownfields Sites	0.5 mile
ROD	Record of Decision	1 mile
ODI	Open Dump Inventory	0.5 mile
TRI	Toxic Release Inventory Database	Target Property
TSCA	Toxic Substance Control Act	Target Property
SSTS	Section 7 Tracking Systems	Target Property
ICIS	Integrated Compliance Information System	Target Property

Phase I Environmental Site Assessment Proposed Generator Tie Transmission Line

Table 6. Federal Regulatory Environmental Databases

Acronym	Database	Search Distance
US CDL	Clandestine Drug Lab Locations	Target Property
LUCIS	Land Use Control Information System for former Navy base realignment and closure properties	0.5 mile
PADS	PCB Activity Database System	Target Property
MLTS	Material Licensing Tracking System	Target Property

The subject property was not listed the federal databases searched by GeoSearch. No other sites within the specified search areas were found in the federal databases listed in Table 6.

10.2 State and Local Sources

State and local databases included in the radius search are shown in Table 7.

Table 7. State and Local Regulatory Environmental Databases

Acronym	Database	Search Distance
DTSCDR	DTSC Deed Restrictions	Target Property
HWTS	Hazardous Waste Tanner Summary	Target Property
DTSCHWT	DTSC Registered Hazardous Waste Transporters	0.25 mile
CLEANUPSITES	Geotracker Cleanup Sites	0.5 mile
ERAP	Expediated Removal Action Program Sites	0.5 mile
NFA	No Further Action Determination	0.5 mile
NFE	Sites Needing Further Evaluation	0.5 mile
REF	Referred to Another Local or State Agency	0.5 mile
Cal-Sites	Calsites Database	1.0 mile
SCH	Proposed and Existing School Sites Being Evaluated By DTSC	0.5 mile
Toxic Pits	Toxic Pits Cleanup Facilities	1.0 mile
WMUDS	Waste Management Unit Database	0.5 mile
CORTESE	State Index of Properties with Hazardous Waste	0.5 mile
SWRCY	Recycling Facilities in California	0.5 mile
LUST	Leaking Underground Storage Tank	0.5 mile
SLIC	Statewide SLIC Cases	0.25 mile
HIST UST	Historic Underground Storage Tank	0.25 mile
ABST	Aboveground Storage Tanks	0.25 mile
SWEEPS	Statewide Environmental Evaluation and Planning System	0.25 mile
CHIMIRS	California Hazardous Waste Material Incident Report System	Target Property
VCP	Voluntary Cleanup Program Properties	0.5 mile
CLEANERS	Dry Cleaner Facilities	0.25 mile
CDL	Clandestine Drug Labs	Target Property
LIENS	Recorded Environmental Cleanup Liens	Target Property
EMI	Emissions Inventory Data	Target Property

Phase I Environmental Site Assessment Proposed Generator Tie Transmission Line

Table 7. State and Local Regulatory Environmental Databases

Acronym	Database	Search Distance
ENVIROSTORPCA	ENVIROSTOR Permitted and Corrective Action Sites	1 mile
SDHMMDD	SD County Hazardous Materials Management Division Database	Target Property
SDEACL	SD County Environmental Assessment Case	Target Property
ENVIROSTOR	EnviroStor Database	1.0 mile
INDIANRES	Indian Reservations	1.0 mile
LUSTR09	Leaking Underground Storage Tanks on Indian Land	0.5 mile
USTR09	Underground Storage Tanks on Indian Land	0.25 mile
ODIINDIAN	Report on the Status of Open Dumps on Indian Lands	0.5 mile
SWIS	Solid Waste Information System	0.5 mile
NPDES	NPDES Permit Listing	Target Property
PROC	Certified Processors Database	0.5 mile
MWMP	Medical Waste Management Program Listing	0.25 mile
USTCUPA	Underground Storage Tanks	0.25 mile

The subject property was not identified in the state and local database records.

One nearby site, Cal Trans Yard, was identified in the GeoSearch report. Cal Trans Yard is located at 40945 Old Highway 80 in Boulevard, CA, approximately 0.33 miles east of the subject property. This site was listed in the CORTESE, LUST, SWIS and CLEANUPSITES databases. Three underground storage tanks (one 4,000-gallon tank and two 1,000-gallon tanks) were used to store diesel fuel and were removed from the site in 1996. Discolored soil was discovered and odors were noted when the tanks were removed. SD DEH listed the site as an unauthorized release case in 1996. Groundwater monitoring wells were installed onsite and groundwater monitoring has been ongoing since 2005. Remediation (air sparging and soil vapor extraction) began in 2009. The consultant's reports (accessed on the Waterboard website, GeoTracker) noted that the groundwater gradient is predominantly towards the south-southwest, which is towards the subject property. While the site is far enough from the subject property that it is not expected to impact it, measures should be in place to protect worker health and safety if contaminated soil is discovered when the transmission line is installed. In addition, if contaminated soil is removed, it should be disposed of according to appropriate regulatory guidelines.

10.3 Unmapped Sites

Unmapped (or "unlocatable" in the GeoSearch report) sites have inadequate address information, but are usually included in the database search report because they are in the same zip code as the subject property. One such site was listed in the GeoSearch report

Phase I Environmental Site Assessment Proposed Generator Tie Transmission Line

in the HWTS database. The HWTS listing is for waste manifests for 0.63 tons and 0.19 tons of unspecified oil-containing waste disposed of in LA County in 2004 and 2005. Site information lists the name as La Posta Band of Mission Indians. An online search for La Posta Band of Mission Indians shows that the address is 8½ Crestwood Road in Boulevard, California 91905, which is greater than 1 mile northwest of the subject property, north of Interstate 8. Since the site is located greater than 1 mile from the subject property, it is unlikely that this site has impacted the environmental conditions at the subject property.

11.0 EVALUATION OF POTENTIAL HAZARDS AND ENVIRONMENTAL CONCERNS

Dudek obtained information regarding the following potential sources of hazards and hazardous material releases from the interviews, site reconnaissance, and the GeoSearch report.

Agricultural Use

Based on a review of the aerial photographs and topographic maps, the subject property was not used for agriculture. Portions of the subject property have been used for animal grazing.

Burn Ash

Burn ash was observed during the site reconnaissance. Based on the site reconnaissance and interviews, the residence on the Contasti property burned down, which is likely the source of the burn ash.

Chemical Storage or Use

Fifty five-gallon drums containing unknown materials were observed on the Troy and Contasti properties. Additionally, one 400-gallon and two 500-gallon diesel and gasoline ASTs are located on the Lansing properties.

Debris

Inoperable vehicles, discarded machinery, corrugated metal, wood materials, construction materials, and metal pipe were observed on the Contasti, Lansing, and Troy properties.

Fill Material

No fill material was observed during the site reconnaissance.

Phase I Environmental Site Assessment Proposed Generator Tie Transmission Line

Off-Site Sources

Based on the results of the regulatory database search, it is unlikely that off-site sources have impacted the environmental conditions of the subject property.

PCB Items

Pad-mounted and pole-mounted transformers were observed on the Lansing property in the vicinity of the subject property. Pole-mounted transformers were observed on the Contasti property. No staining was observed in the vicinity of the transformers.

Railroad

Railroad tracks have been present on portions of the subject property since at least 1944. Railroad ties typically were treated with creosote, a wood-treating chemical. Additionally, railroad operations historically involved the use of chemicals that may be present in surface soils. According to “Best Management Practices for Controlling Exposure to Soil during the development of Rail Trails” prepared by the Massachusetts Department of Environmental Protection (MassDEP) circa 2005, the most common constituents of concern detected along rail lines include metals, pesticides, and petroleum products. MassDEP also stated that coal ash from engines, creosote from ties, and PAHs from diesel exhaust may also be present in soils located along rail lines.

Residential Use

Based on a review of historical aerial photographs and topographic maps, the subject property has not been used for residential purposes. However, the subject property is located on parcels on which residences are present.

Tanks

No tanks were observed on the subject property. Water and petroleum ASTs were observed on parcels associated with the subject property, specifically Contasti, Lansing, and Troy. The site owners/ representatives for the Allen, Contasti, and Pulver properties stated that septic tanks are located on their properties.

Wells

No groundwater wells were observed on the subject property. Groundwater wells are located on parcels on which the subject property will be located. The conditions of these wells were not investigated by Dudek.

Phase I Environmental Site Assessment

Proposed Generator Tie Transmission Line

12.0 CONCLUSIONS AND RECOMMENDATIONS

Dudek has performed this Phase I Environmental Site Assessment of the proposed subject property in conformance with the scope and limitations of ASTM Practice E 1527-05. The following conclusions and recommendations are based on the recognized environmental conditions identified in Section 1.

Based on the review of the database search report, there is one site, approximately 0.3 miles east of the subject property, where the subsurface is impacted by a fuel spill. While the site is far enough from the subject property that it is not expected to impact it, measures should be in place to protect worker health and safety if contaminated soil is discovered when the transmission line is installed. In addition, if contaminated soil is removed, it should be disposed of according to appropriate regulatory guidelines.

Burn ash was observed on APN 658-051-07-00 (Contasti). The residence was burned down due to a wildfire. Burn ash is the residual ash that results from the low temperature combustion of solid waste. The residual ash from nonhazardous household refuse tends to contain metals at concentrations that may be considered hazardous under California regulations. Additionally, since the age of the residence is unknown, there is a potential that the building was constructed with lead based materials. Thus, the burn ash may contain elevated concentrations of metals.

Railroad tracks were present on portions of the subject property (SD and AZ Rail). Based on the age of the railroad (since at least 1944), surface soils along railroad tracks may contain metals, PAHs, petroleum products, pesticides, coal ash, or creosote.

Based on these findings, Dudek recommends that soil samples be collected and analyzed for the following constituents in the following areas if soil will be disturbed:

Location	Constituent to be Analyzed
Within the railroad right-of-way	Metals, PAHs, petroleum hydrocarbons, pesticides, coal ash, creosote
Where burn ash was observed (Contasti property)	Metals

The results should be evaluated to assess potential human health and environmental risk. If the subject property is to remain vacant and soil is not disturbed, soil sampling would likely not be required by regulatory agencies.

Phase I Environmental Site Assessment Proposed Generator Tie Transmission Line

13.0 DATA GAPS

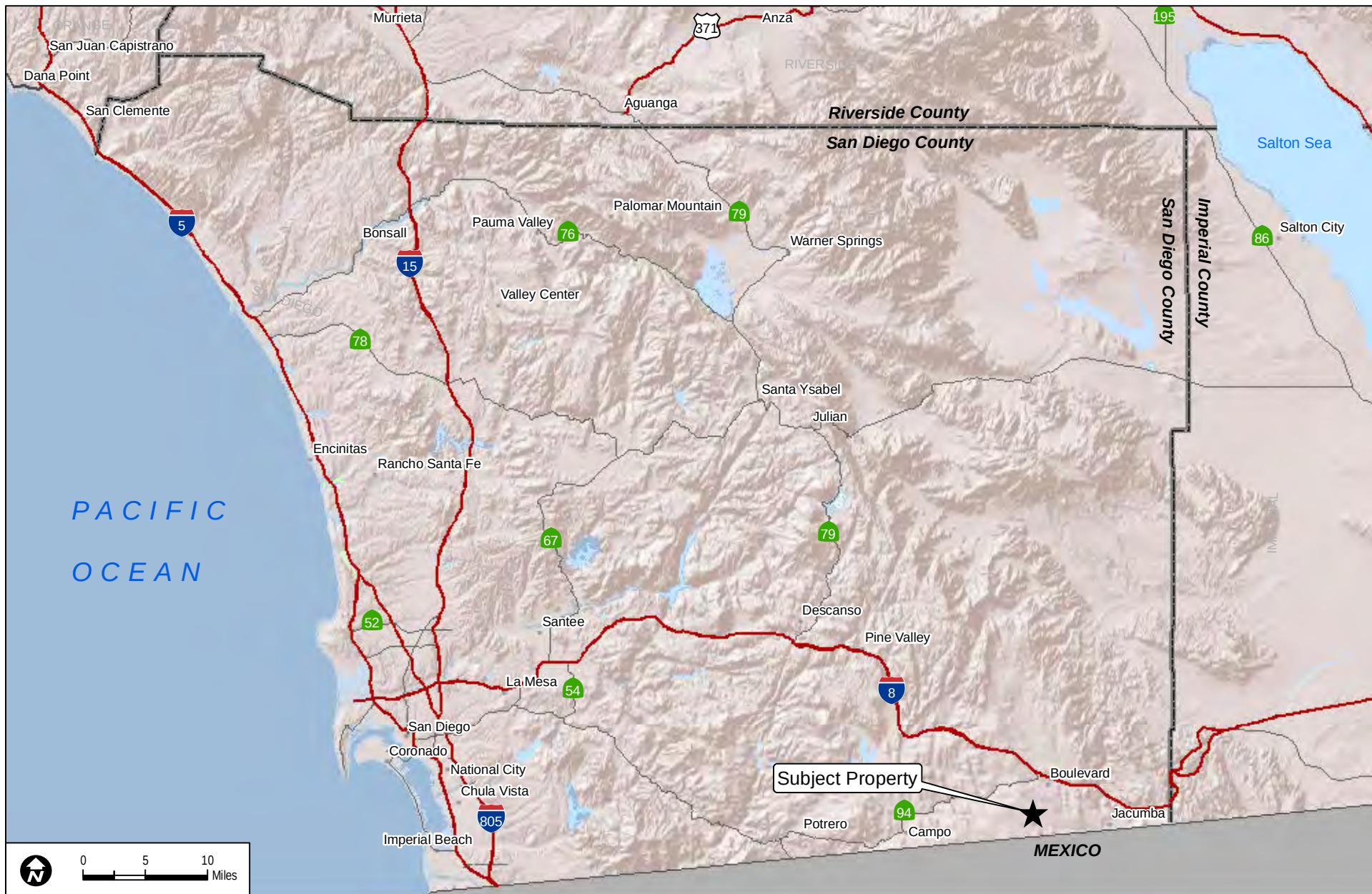
The following data gaps were identified for this Phase I ESA:

- During the site reconnaissance, Dudek did not have access to the structures located on parcels associated with the subject property. These structures included storage units and residential buildings.
- The site reconnaissance did not include the Pulver, Simpson, or SDG&E properties. User agreements were not finalized at the time of the site reconnaissance for the Pulver and Simpson properties. The SDG&E site was gated and not accessible during the site reconnaissance.

14.0 LIMITATIONS

The findings and conclusions presented in this report are professional opinions based solely upon the indicated data described in this report, visual observations of the property and vicinity and our interpretation of the available historical information and documents reviewed. Dudek makes no warranty as to the accuracy of statements made by others or the accuracy of information included in documentation reviewed in connection with this study. It should be recognized that this study was not intended to be a definitive investigation of potential contamination at the property and that the recommendations do not necessarily include all conditions that may be present. Because the scope of the investigation was limited, it is possible that currently unrecognized conditions or contamination might exist at the property.

No warranties or guarantees or representations, expressed or implied, are made by Dudek, except that this report has been prepared in accordance with current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professionals performing the same or similar services. The conclusions are intended exclusively for the purpose outlined herein and may not be suitable to satisfy the needs of other users. Thus, any use or reuse of this document is at the sole risk of said user.



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MARCH 2013

Phase I Environmental Site Assessment

Generator Tie Transmission Line

FIGURE 1
Vicinity Map

Appendix A

Qualifications of Environmental Professionals

Environmental Professional	Professional License	Degree(s)	Years Experience	Task Performed
Glenna McMahon	Professional Engineer, California	B.S. Civil Engineering, University of Vermont, 1998.	13	Report Preparation/Review, QA/QC
Rachel Ganiere	Engineer-In-Training (EIT), California.	B.S., Earth and Environmental Engineering, Columbia University, 2003	7	Report Preparation, and Interviews
Patrick Rentz		B.S., Environmental Systems: Earth Science, 2007. University of California, San Diego M.S. Marine Geology, 2010. Scripps Institution of Oceanography	3	Report Preparation
John S. Quinlan		B.A. History, University of Pennsylvania, 2001.	15	Site Reconnaissance



Historical Topographic Maps

<http://www.geo-search.net/QuickMap/index.htm?DataID=Standard0000052997>

Click on link above to access the map and satellite view of current property

Target Property:

GenTie

San Diego County, California 91905

Prepared For:

Dudek

Order #: 22921

Job #: 52997

Date: 02/12/2013

TARGET PROPERTY SUMMARY

GenTie

San Diego County, California 91905

USGS Quadrangle: **Tierra Del Sol, CA**

Target Property Geometry: **Corridor**

Target Property Longitude(s)/Latitude(s):

(-116.272204, 32.661766), (-116.272384, 32.660454), (-116.273173, 32.660385), (-116.274545, 32.658902), (-116.277634, 32.657320), (-116.280941, 32.657166), (-116.283499, 32.657240), (-116.285500, 32.657263), (-116.286609, 32.655644), (-116.286696, 32.654861), (-116.290349, 32.654795), (-116.292037, 32.653556), (-116.294964, 32.652847), (-116.295009, 32.650251), (-116.295107, 32.647414), (-116.295221, 32.645253), (-116.295209, 32.643750), (-116.295666, 32.641297), (-116.295590, 32.639588), (-116.295902, 32.637679), (-116.296429, 32.635386), (-116.297714, 32.635269), (-116.298094, 32.632292), (-116.297729, 32.636063), (-116.295590, 32.639588), (-116.297729, 32.636063), (-116.298094, 32.632292), (-116.298519, 32.630062), (-116.298814, 32.628046), (-116.299189, 32.625529), (-116.302315, 32.625045), (-116.305179, 32.624502), (-116.308047, 32.624002), (-116.312475, 32.624021), (-116.315981, 32.624051), (-116.316282, 32.624000), (-116.319952, 32.624032), (-116.319830, 32.622354), (-116.320135, 32.619613), (-116.320285, 32.619526), (-116.320285, 32.617486), (-116.316076, 32.617512), (-116.312549, 32.617743), (-116.312423, 32.620392), (-116.312475, 32.624021), (-116.312423, 32.620392), (-116.312549, 32.617743), (-116.316076, 32.617512), (-116.320285, 32.617486), (-116.320289, 32.613837), (-116.320585, 32.613835), (-116.320576, 32.609277)

County/Parish Covered:

San Diego (CA)

Zipcode(s) Covered:

Boulevard CA: 91905

Jacumba CA: 91934

State(s) Covered:

CA

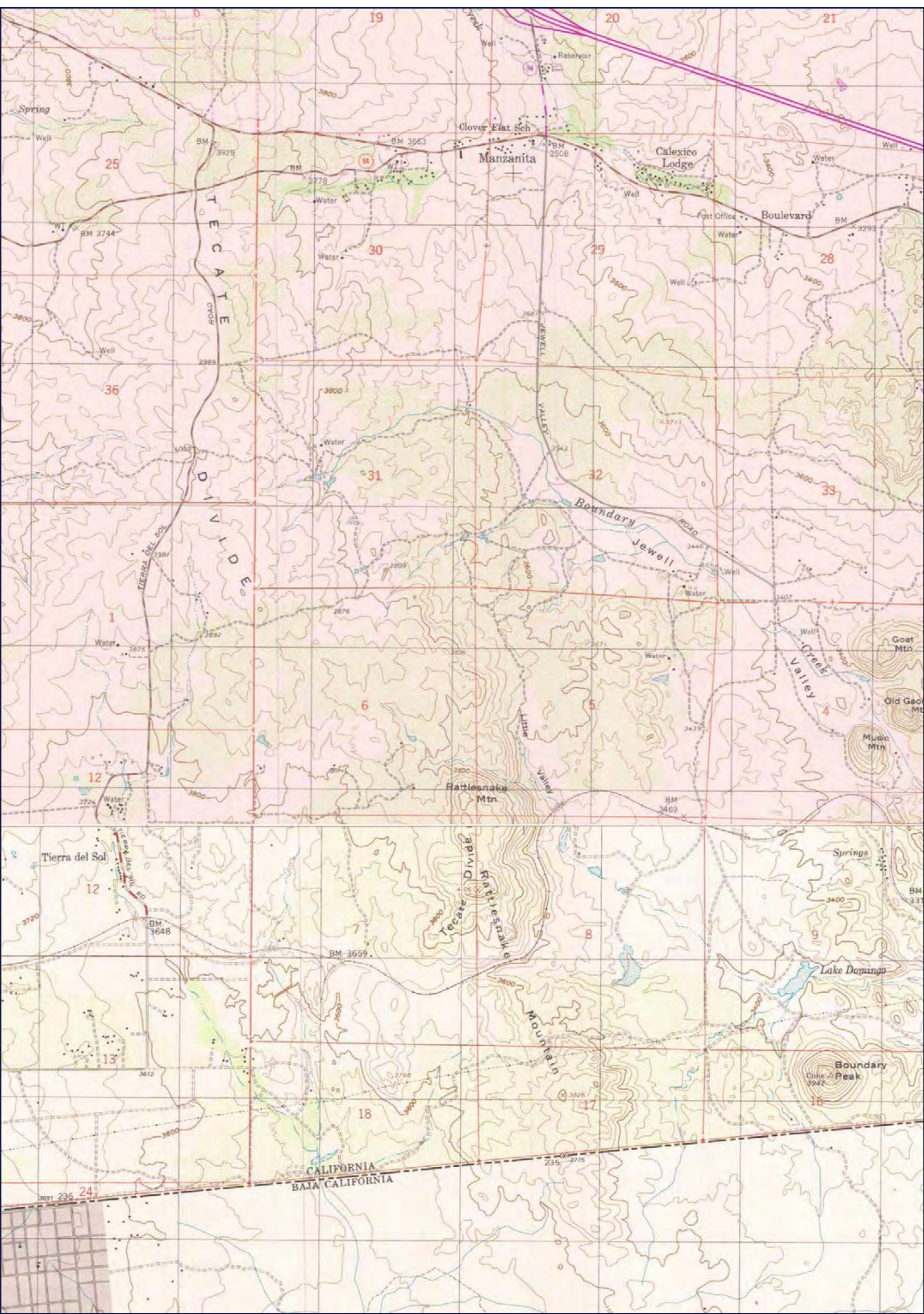
***Target property is located in Radon Zone 3.**

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).

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www.geo-search.com · phone: 888-396-0042 · fax: 512-472-9967



SITE: GENTIE
QUAD: LIVE OAK SPRINGS, CA
DATE: 1997
SCALE: 1 : 24,000

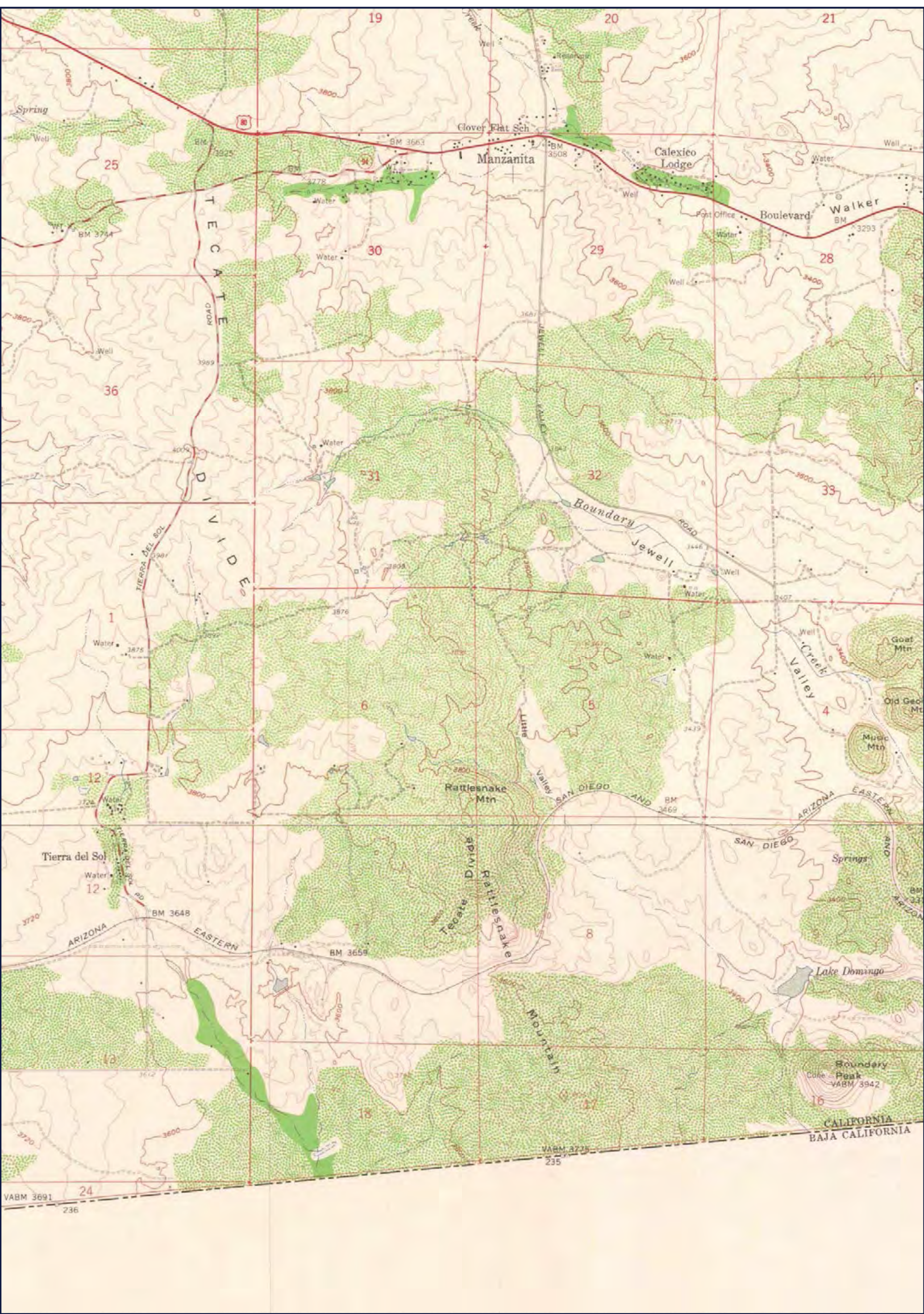
QUAD: TIERRA DEL SOL, CA
DATE: 1996
SCALE: 1 : 24,000





SITE: GENTIE
QUAD: LIVE OAK SPRINGS, CA QUAD: TIERRA DEL SOL, CA
DATE: 1959 PHOTOREVISED 1975 DATE: 1959
SCALE: 1 : 24,000 SCALE: 1 : 24,000

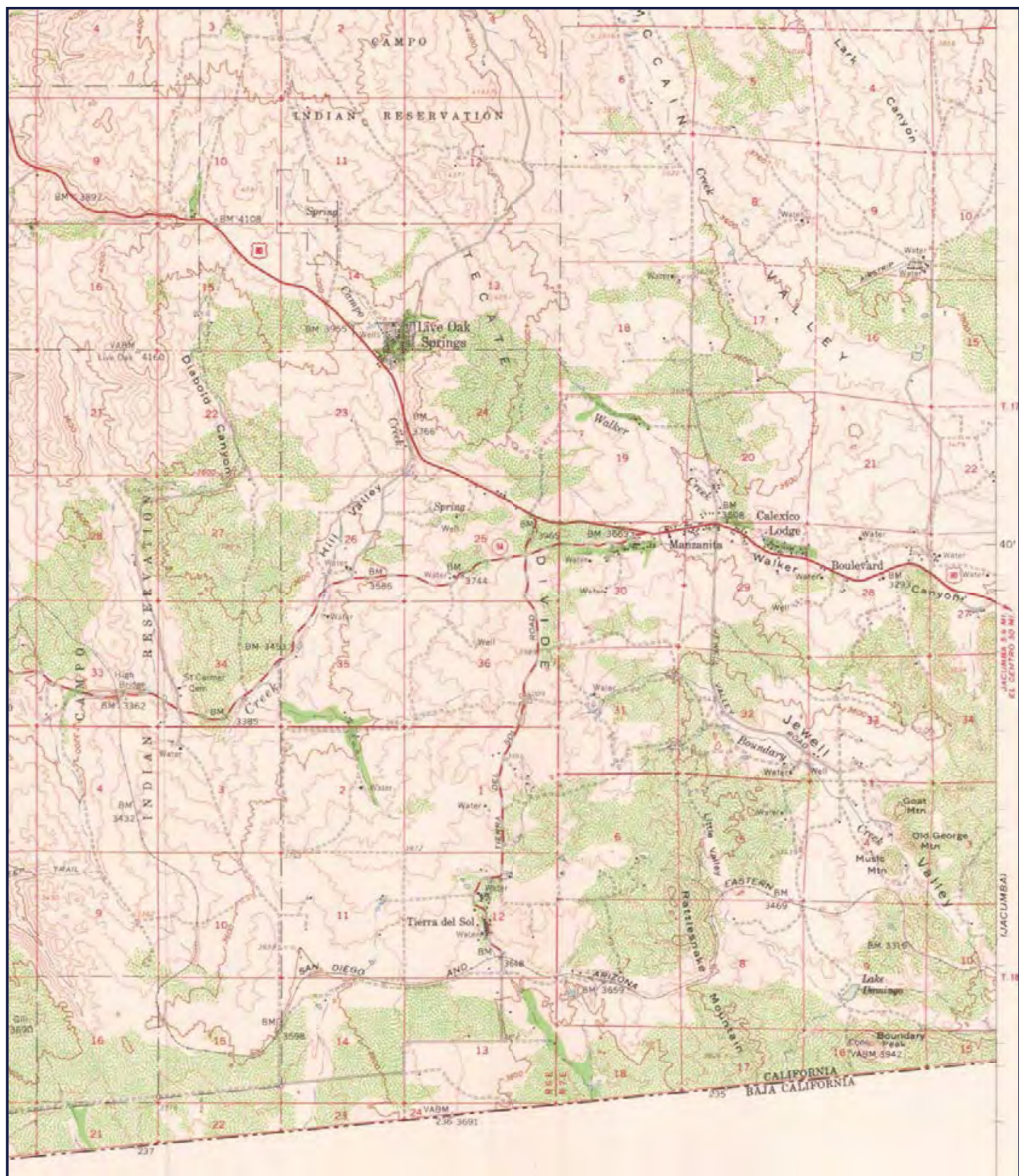




SITE: GENTIE
QUAD: LIVE OAK SPRINGS, CA
DATE: 1959
SCALE: 1 : 24,000

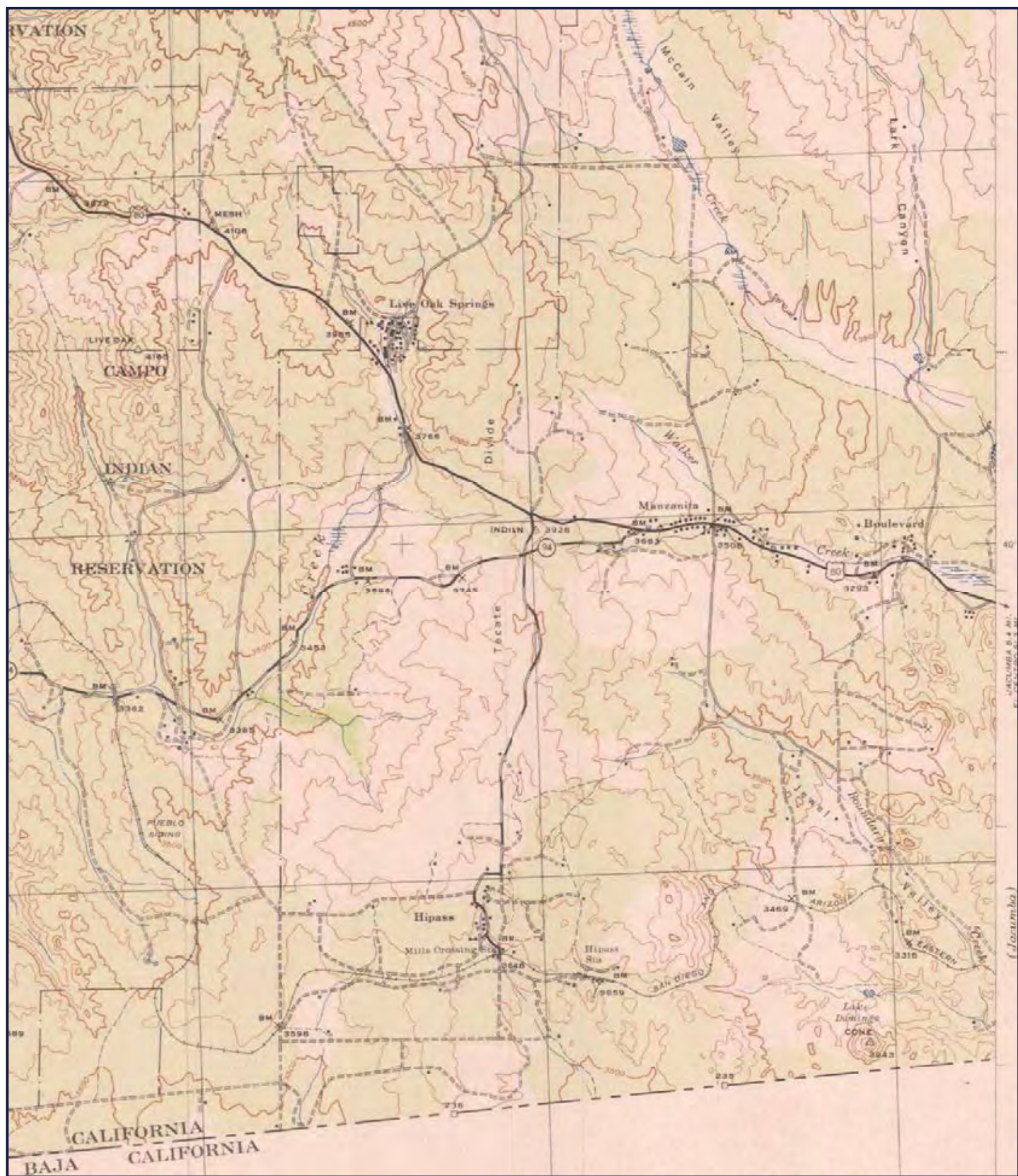
QUAD: TIERRA DEL SOL, CA
DATE: 1959
SCALE: 1 : 24,000





SITE: GENTIE
QUAD: CAMPO, CA
DATE: 1959
SCALE: 1 : 62,500

GeoSearch



SITE: GENTIE
 QUAD: CAMPO, CA
 DATE: 1944
 SCALE: 1 : 62,500



GeoPlus Radius Report

<http://www.geo-search.net/QuickMap/index.htm?DataID=Standard0000053001>

Click on link above to access the map and satellite view of current property

Target Property:

GenTie

San Diego County, California 91905

Prepared For:

Dudek

Order #: 22921

Job #: 53001

Date: 02/13/2013

TARGET PROPERTY SUMMARY

GenTie

San Diego County, California 91905

USGS Quadrangle: **Tierra Del Sol, CA**

Target Property Geometry: **Corridor**

Target Property Longitude(s)/Latitude(s):

(-116.272204, 32.661766), (-116.272384, 32.660454), (-116.273173, 32.660385), (-116.274545, 32.658902), (-116.277634, 32.657320), (-116.280941, 32.657166), (-116.283499, 32.657240), (-116.285500, 32.657263), (-116.286609, 32.655644), (-116.286696, 32.654861), (-116.290349, 32.654795), (-116.292037, 32.653556), (-116.294964, 32.652847), (-116.295009, 32.650251), (-116.295107, 32.647414), (-116.295221, 32.645253), (-116.295209, 32.643750), (-116.295666, 32.641297), (-116.295590, 32.639588), (-116.295902, 32.637679), (-116.296429, 32.635386), (-116.297714, 32.635269), (-116.298094, 32.632292), (-116.297729, 32.636063), (-116.295590, 32.639588), (-116.297729, 32.636063), (-116.298094, 32.632292), (-116.298519, 32.630062), (-116.298814, 32.628046), (-116.299189, 32.625529), (-116.302315, 32.625045), (-116.305179, 32.624502), (-116.308047, 32.624002), (-116.312475, 32.624021), (-116.315981, 32.624051), (-116.316282, 32.624000), (-116.319952, 32.624032), (-116.319830, 32.622354), (-116.320135, 32.619613), (-116.320285, 32.619526), (-116.320285, 32.617486), (-116.316076, 32.617512), (-116.312549, 32.617743), (-116.312423, 32.620392), (-116.312475, 32.624021), (-116.312423, 32.620392), (-116.312549, 32.617743), (-116.316076, 32.617512), (-116.320285, 32.617486), (-116.320289, 32.613837), (-116.320585, 32.613835), (-116.320576, 32.609277)

County/Parish Covered:

San Diego (CA)

Zipcode(s) Covered:

Boulevard CA: 91905

Jacumba CA: 91934

State(s) Covered:

CA

***Target property is located in Radon Zone 3.**

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).

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DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS (miles)
<u>FEDERAL</u>				
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	AIRSAFS	0	0	Target Property
BIENNIAL REPORTING SYSTEM	BRS	0	0	Target Property
CLANDESTINE DRUG LABORATORY LOCATIONS	CDL	0	0	Target Property
EPA DOCKET DATA	DOCKETS	0	0	Target Property
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	EC	0	0	Target Property
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNSCA	0	0	Target Property
FACILITY REGISTRY SYSTEM	FRSCA	0	0	Target Property
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	HMIRS09	0	0	Target Property
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	ICIS	0	0	Target Property
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	ICISNPDES	0	0	Target Property
MATERIAL LICENSING TRACKING SYSTEM	MLTS	0	0	Target Property
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NPDES09	0	0	Target Property
PCB ACTIVITY DATABASE SYSTEM	PADS	0	0	Target Property
PERMIT COMPLIANCE SYSTEM	PCSR09	0	0	Target Property
RCRA SITES WITH CONTROLS	RCRASC	0	0	Target Property
CERCLIS LIENS	SFLIENS	0	0	Target Property
SECTION SEVEN TRACKING SYSTEM	SSTS	0	0	Target Property
TOXICS RELEASE INVENTORY	TRI	0	0	Target Property
TOXIC SUBSTANCE CONTROL ACT INVENTORY	TSCA	0	0	Target Property
NO LONGER REGULATED RCRA GENERATOR FACILITIES	NLRRCRAG	0	0	Target Property and Adjoining
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR FACILITIES	RCRAGR09	0	0	Target Property and Adjoining
HISTORICAL GAS STATIONS	HISTPST	0	0	0.2500
BROWNFIELDS MANAGEMENT SYSTEM	BF	0	0	0.5000
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION & LIABILITY INFORMATION SYSTEM	CERCLIS	0	0	0.5000



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DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS (miles)
LAND USE CONTROL INFORMATION SYSTEM	LUCIS	0	0	0.5000
NO FURTHER REMEDIAL ACTION PLANNED SITES	NFRAP	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	NLRRCRAT	0	0	0.5000
OPEN DUMP INVENTORY	ODI	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - TREATMENT, STORAGE & DISPOSAL FACILITIES	RCRAT	0	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	DNPL	0	0	1.0000
DEPARTMENT OF DEFENSE SITES	DOD	0	0	1.0000
FORMERLY USED DEFENSE SITES	FUDS	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	NLRRCRAC	0	0	1.0000
NATIONAL PRIORITIES LIST	NPL	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	PNPL	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	RCRAC	0	0	1.0000
RECORD OF DECISION SYSTEM	RODS	0	0	1.0000
SUB-TOTAL		0	0	

STATE (CA)

CLANDESTINE DRUG LABS	CDL	0	0	Target Property
CALIFORNIA HAZARDOUS MATERIAL INCIDENT REPORT SYSTEM	CHMIRS	0	0	Target Property
DTSC DEED RESTRICTIONS	DTSCDR	0	0	Target Property
EMISSIONS INVENTORY DATA	EMI	0	0	Target Property
HAZARDOUS WASTE TANNER SUMMARY	HWTS	0	1	Target Property
RECORDED ENVIRONMENTAL CLEANUP LIENS	LIENS	0	0	Target Property
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM FACILITIES	NPDES	0	0	Target Property
ABOVE GROUND STORAGE TANKS	ABST	0	0	0.2500
DRY CLEANER FACILITIES	CLEANER	0	0	0.2500



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DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS (miles)
DTSC REGISTERED HAZARDOUS WASTE TRANSPORTERS	DTSCHWT	0	0	0.2500
HISTORICAL UNDERGROUND STORAGE TANKS	HISTUST	0	0	0.2500
CALIFORNIA MEDICAL WASTE MANAGEMENT PROGRAM FACILITY LIST	MWMP	0	0	0.2500
SPILLS, LEAKS, INVESTIGATION & CLEANUP RECOVERY LISTING	SLIC	0	0	0.2500
STATEWIDE ENVIRONMENTAL EVALUATION AND PLANNING SYSTEM	SWEEPS	0	0	0.2500
UNDERGROUND STORAGE TANKS	USTCUPA	0	0	0.2500
GEOTRACKER CLEANUP SITES	CLEANUPSITES	1	0	0.5000
CORTESE LIST	CORTESE	1	0	0.5000
EXPEDITED REMOVAL ACTION PROGRAM SITES	ERAP	0	0	0.5000
LEAKING UNDERGROUND STORAGE TANKS	LUST	1	0	0.5000
NO FURTHER ACTION DETERMINATION	NFA	0	0	0.5000
SITES NEEDING FURTHER EVALUATION	NFE	0	0	0.5000
LISTING OF CERTIFIED PROCESSORS	PROC	0	0	0.5000
REFERRED TO ANOTHER LOCAL OR STATE AGENCY	REF	0	0	0.5000
SCHOOL PROPERTY EVALUATIONS	SCH	0	0	0.5000
SOLID WASTE INFORMATION SYSTEM SITES	SWIS	1	0	0.5000
RECYCLING CENTERS	SWRCY	0	0	0.5000
VOLUNTARY CLEANUP PROGRAM	VCP	0	0	0.5000
WASTE MANAGEMENT UNIT DATABASE	WMUDS	0	0	0.5000
CALSITES DATABASE	CALSITES	0	0	1.0000
ENVIROSTOR CLEANUP SITES	ENVIROSTOR	0	0	1.0000
ENVIROSTOR PERMITTED AND CORRECTIVE ACTION SITES	ENVIROSTORPCA	0	0	1.0000
TOXIC PITS CLEANUP ACT SITES	TOXPITS	0	0	1.0000
SUB-TOTAL		4	1	

LOCAL

SAN DIEGO COUNTY ENVIRONMENTAL ASSESSMENT CASE	SDEACL	0	0	Target Property
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DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS (miles)
LISTING				
SAN DIEGO COUNTY HAZARDOUS MATERIALS MANAGEMENT DIVISION DATABASE	SDHMMDD	0	0	Target Property
SUB-TOTAL		0	0	

TRIBAL				
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	USTR09	0	0	0.2500
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	LUSTR09	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	ODINDIAN	0	0	0.5000
INDIAN RESERVATIONS	INDIANRES	0	0	1.0000
SUB-TOTAL		0	0	

TOTAL		4	1	
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LOCATABLE DATABASE FINDINGS

ACRONYM	Target Property	SEARCH RADIUS (miles)	1/8 Mile (> TP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
<u>FEDERAL</u>								
AIRSAFS		.0200	0	0	0	0	NS	0
BRS		.0200	0	0	0	0	NS	0
CDL		.0200	0	0	0	0	NS	0
DOCKETS		.0200	0	0	0	0	NS	0
EC		.0200	0	0	0	0	NS	0
ERNSCA		.0200	0	0	0	0	NS	0
FRSCA		.0200	0	0	0	0	NS	0
HMIRSR09		.0200	0	0	0	0	NS	0
ICIS		.0200	0	0	0	0	NS	0
ICISNPDES		.0200	0	0	0	0	NS	0
MLTS		.0200	0	0	0	0	NS	0
NPDES09		.0200	0	0	0	0	NS	0
PADS		.0200	0	0	0	0	NS	0
PCSR09		.0200	0	0	0	0	NS	0
RCRASC		.0200	0	0	0	0	NS	0
SFLIENS		.0200	0	0	0	0	NS	0
SSTS		.0200	0	0	0	0	NS	0
TRI		.0200	0	0	0	0	NS	0
TSCA		.0200	0	0	0	0	NS	0
NLRRCRAG		.1250	0	0	0	0	NS	0
RCRAGR09		.1250	0	0	0	0	NS	0
HISTPST		.2500	0	0	0	0	NS	0
BF		.5000	0	0	0	0	NS	0
CERCLIS		.5000	0	0	0	0	NS	0
LUCIS		.5000	0	0	0	0	NS	0
NFRAP		.5000	0	0	0	0	NS	0
NLRRCRAT		.5000	0	0	0	0	NS	0



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LOCATABLE DATABASE FINDINGS

ACRONYM	Target Property	SEARCH RADIUS (miles)	1/8 Mile (> TP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
ODI		.5000	0	0	0	0	NS	0
RCRAT		.5000	0	0	0	0	NS	0
DNPL		1.000	0	0	0	0	NS	0
DOD		1.000	0	0	0	0	NS	0
FUDS		1.000	0	0	0	0	NS	0
NLRRCRAC		1.000	0	0	0	0	NS	0
NPL		1.000	0	0	0	0	NS	0
PNPL		1.000	0	0	0	0	NS	0
RCRAC		1.000	0	0	0	0	NS	0
RODS		1.000	0	0	0	0	NS	0
SUB-TOTAL			0	0	0	0	0	0

STATE (CA)

CDL	.0200	0	0	0	0	NS	0
CHMIRS	.0200	0	0	0	0	NS	0
DTSCDR	.0200	0	0	0	0	NS	0
EMI	.0200	0	0	0	0	NS	0
HWTS	.0200	0	0	0	0	NS	0
LIENS	.0200	0	0	0	0	NS	0
NPDES	.0200	0	0	0	0	NS	0
ABST	.2500	0	0	0	0	NS	0
CLEANER	.2500	0	0	0	0	NS	0
DTSCHWT	.2500	0	0	0	0	NS	0
HISTUST	.2500	0	0	0	0	NS	0
MWMP	.2500	0	0	0	0	NS	0
SLIC	.2500	0	0	0	0	NS	0
SWEEPS	.2500	0	0	0	0	NS	0
USTCUPA	.2500	0	0	0	0	NS	0



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LOCATABLE DATABASE FINDINGS

ACRONYM	Target Property	SEARCH RADIUS (miles)	1/8 Mile (> TP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
CLEANUPSITES		.5000	0	0	1	0	NS	1
CORTESE		.5000	0	0	1	0	NS	1
ERAP		.5000	0	0	0	0	NS	0
LUST		.5000	0	0	1	0	NS	1
NFA		.5000	0	0	0	0	NS	0
NFE		.5000	0	0	0	0	NS	0
PROC		.5000	0	0	0	0	NS	0
REF		.5000	0	0	0	0	NS	0
SCH		.5000	0	0	0	0	NS	0
SWIS		.5000	0	0	1	0	NS	1
SWRCY		.5000	0	0	0	0	NS	0
VCP		.5000	0	0	0	0	NS	0
WMUDS		.5000	0	0	0	0	NS	0
CALSITES		1.000	0	0	0	0	NS	0
ENVIROSTOR		1.000	0	0	0	0	NS	0
ENVIROSTORPCA		1.000	0	0	0	0	NS	0
TOXPITS		1.000	0	0	0	0	NS	0
SUB-TOTAL			0	0	4	0	0	4

LOCAL

SDEACL		.0200	0	0	0	0	NS	0
SDHMMDD		.0200	0	0	0	0	NS	0
SUB-TOTAL			0	0	0	0	0	0

TRIBAL

USTR09		.2500	0	0	0	0	NS	0
LUSTR09		.5000	0	0	0	0	NS	0
ODINDIAN		.5000	0	0	0	0	NS	0



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LOCATABLE DATABASE FINDINGS

ACRONYM	Target Property	SEARCH RADIUS (miles)	1/8 Mile (> TP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
INDIANRES		1.000	0	0	0	0	NS	0
SUB-TOTAL			0	0	0	0	0	0

TOTAL	0	0	4	0	0	4
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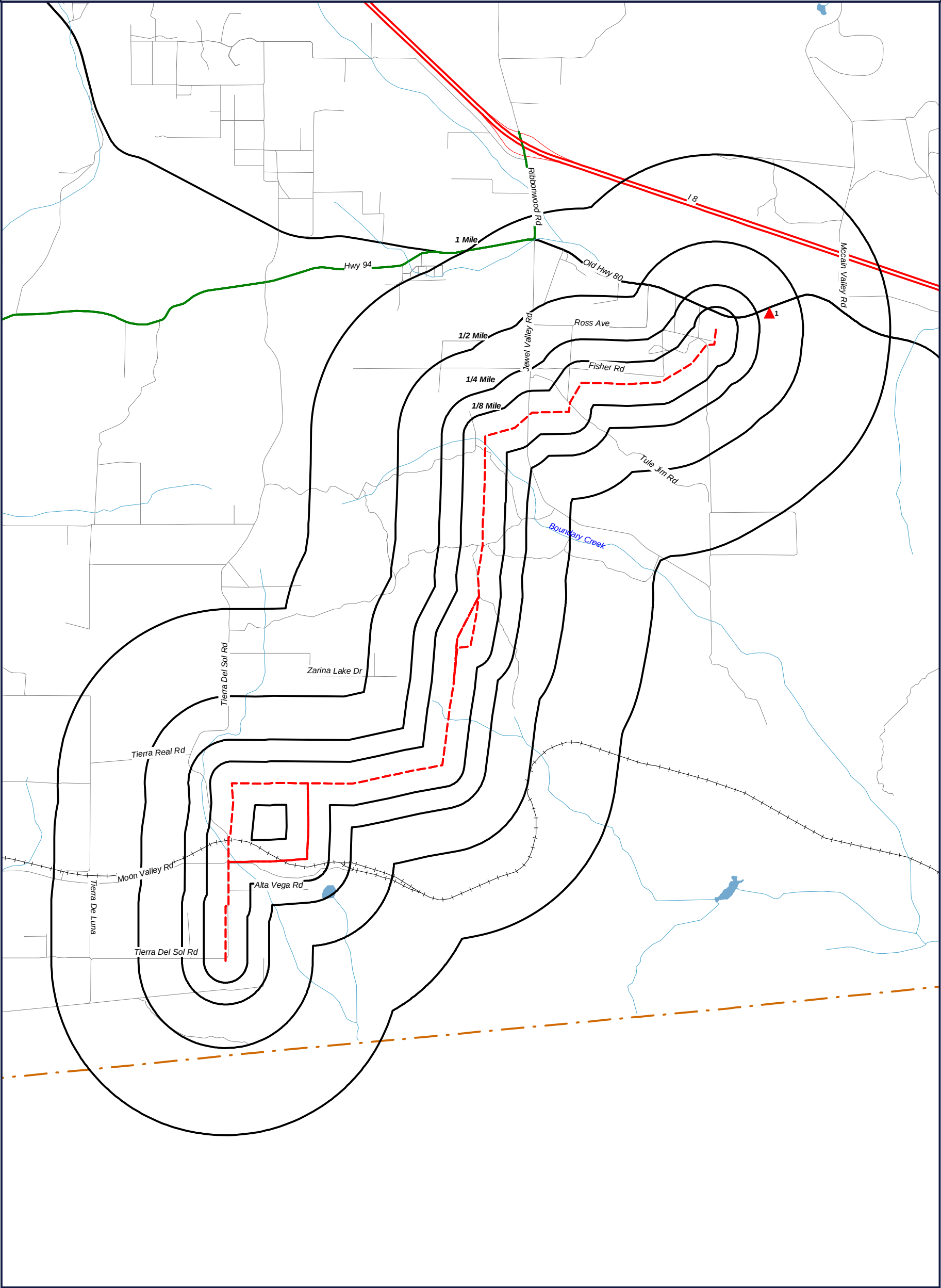
NOTES:

NS = NO SEARCH REQUESTED BY CUSTOMER



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RADIUS MAP



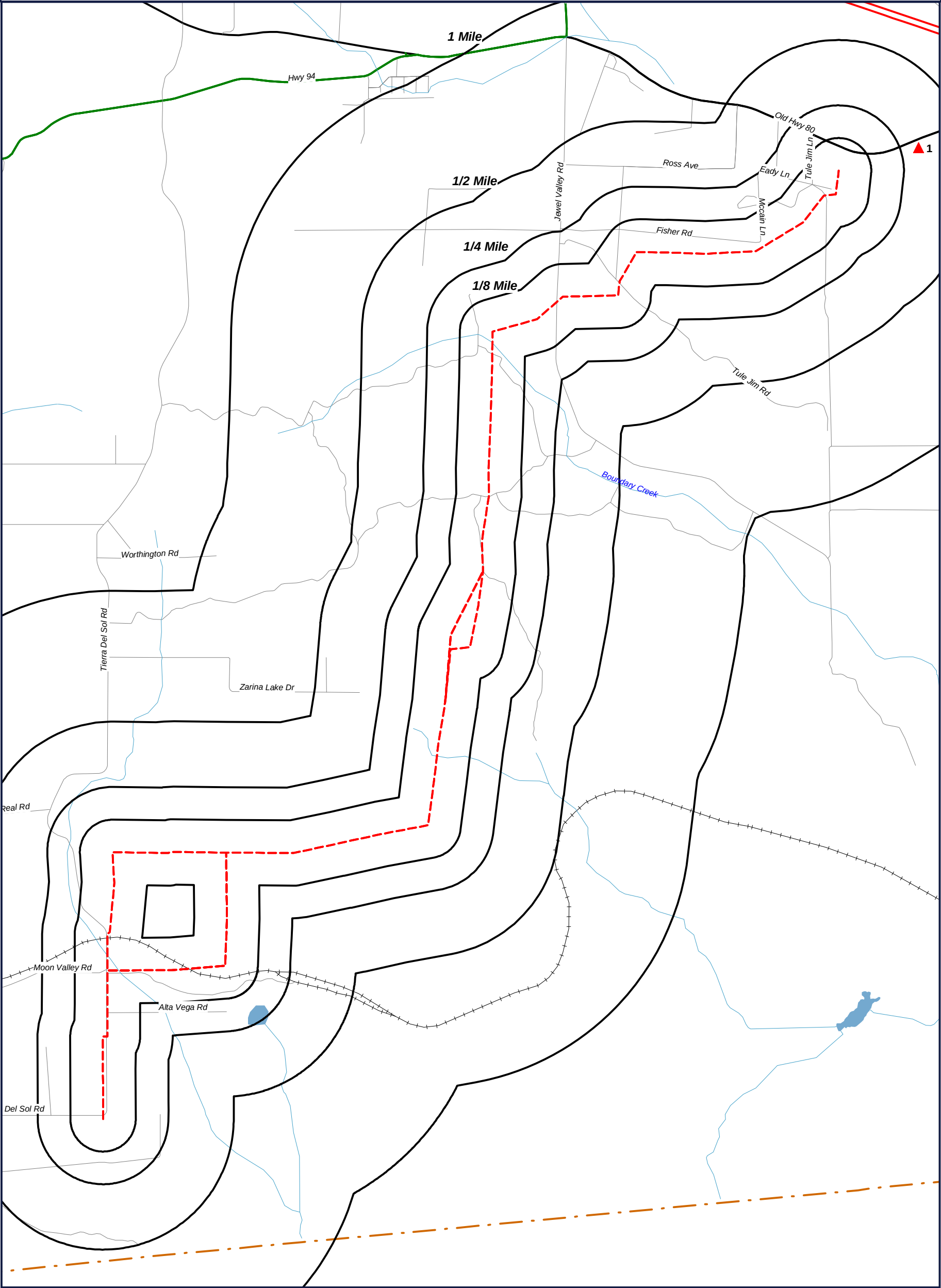
- - - Target Property (TP)
▲ CLEANUPSITES

GenTie
San Diego County, California
91905



0' 1500' 3000' 4500'
SCALE: 1" = 3000'

RADIUS MAP



Target Property (TP)
CLEANUPSITES

GenTie
San Diego County, California
91905

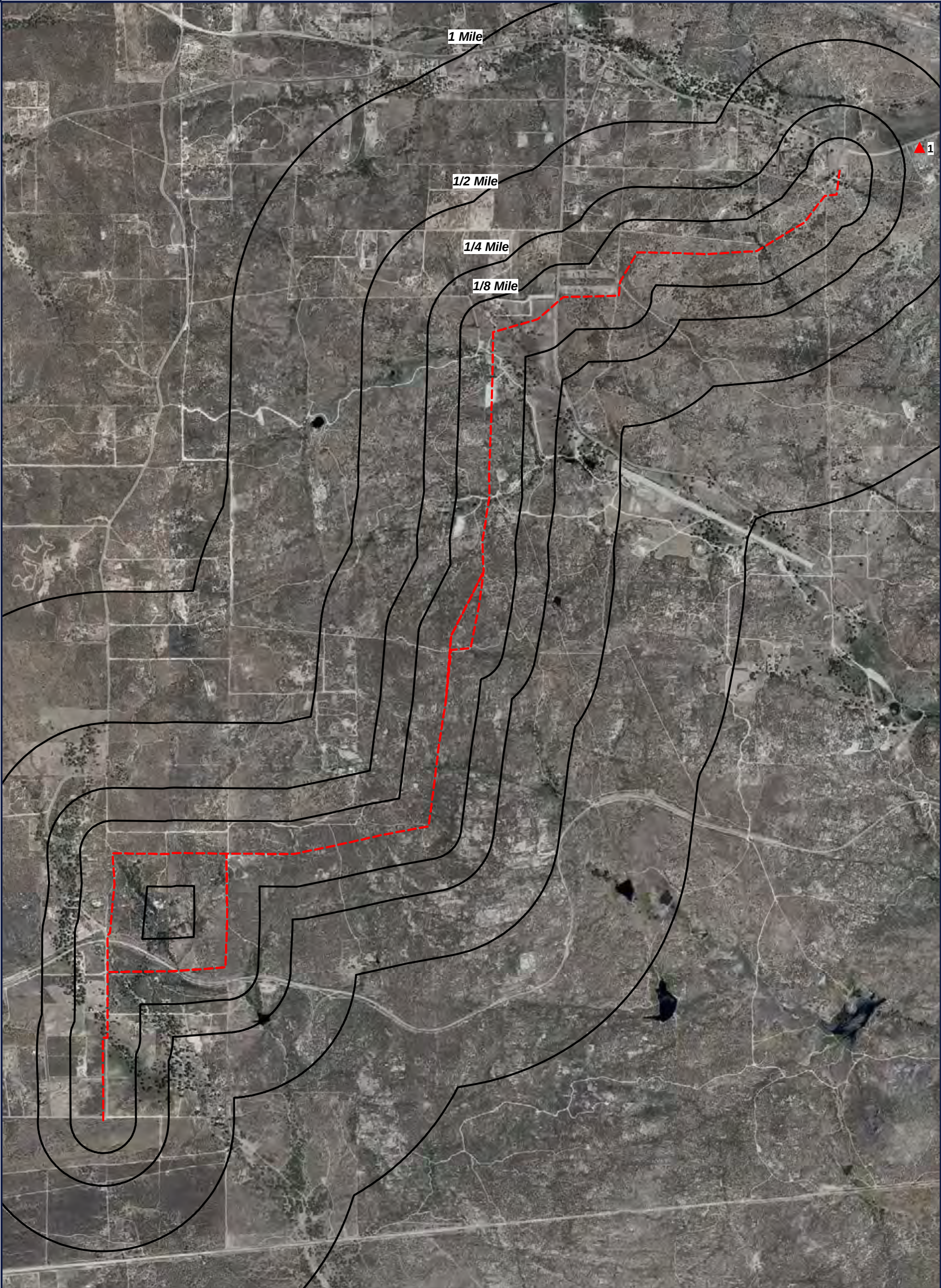


0' 1000' 2000' 3000'
SCALE: 1" = 2000'



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ORTHOPHOTO MAP



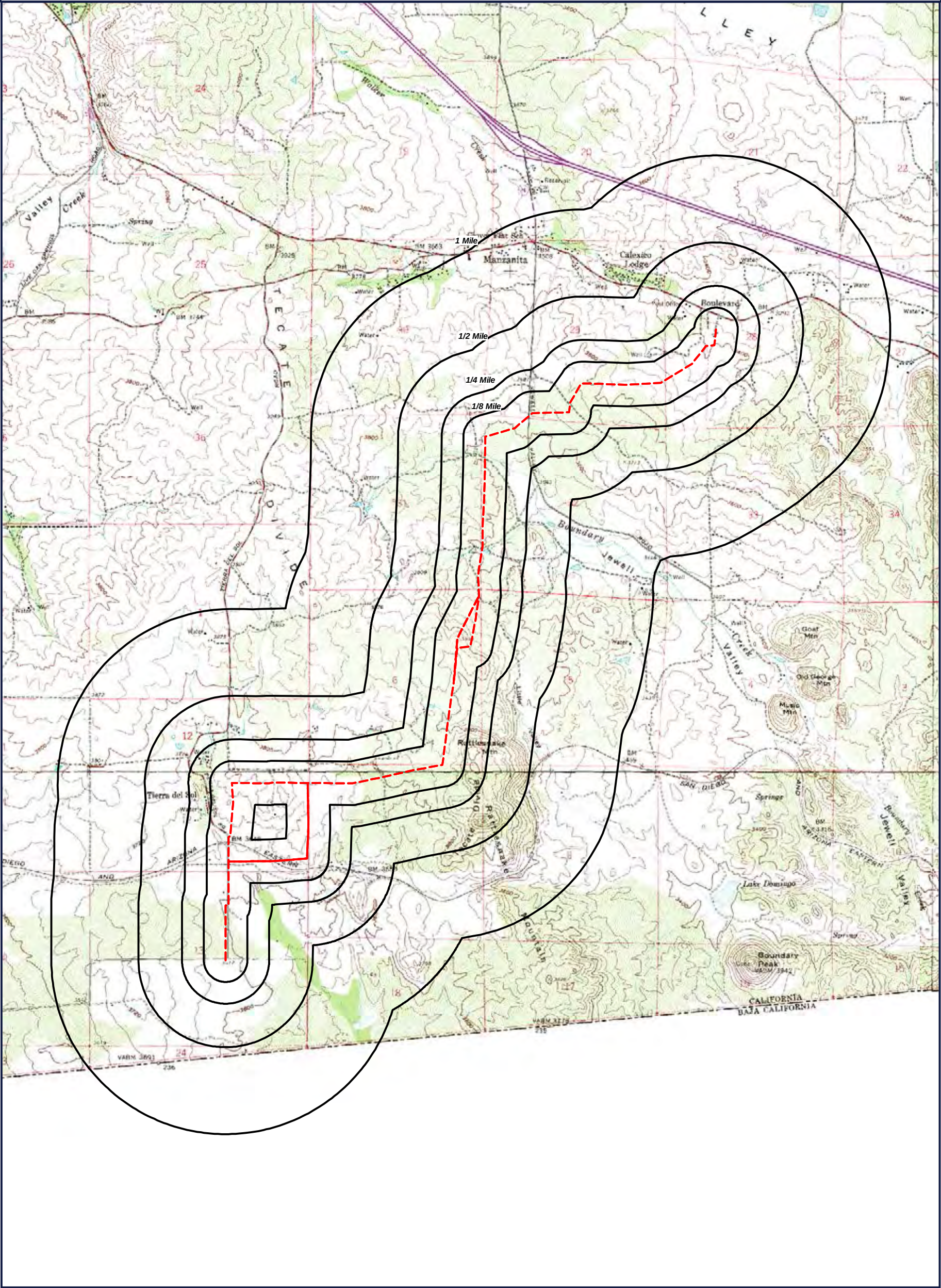
Target Property (TP)
CLEANUPSITES

Quadrangle(s): Tierra Del Sol,
Live Oak Springs
Source: USDA (20100507)
GenTie
San Diego County, California
91905



0' 1000' 2000' 3000'
SCALE: 1" = 2000'

TOPOGRAPHIC MAP



Target Property (TP)

Quadrangle(s): Tierra Del Sol,
Live Oak Springs
Source: USGS, 1991
GenTie
San Diego County, California
91905



0' 1500' 3000' 4500'
SCALE: 1" = 3000'

REPORT SUMMARY OF LOCATABLE SITES

MAP ID#	DATABASE NAME	SITE ID#	DISTANCE FROM SITE	SITE NAME	ADDRESS	CITY, ZIP CODE	PAGE #
1	CORTESE	7T1905001	0.330 E	CAL TRANS YARD	40945 OLD 80	BOULEVARD, 91905	1
1	LUST	T0607300001	0.330 E	CALTRANS/BOULEVARD	40945 OLD HY 80	BOULEVARD, 91905	2
1	SWIS	37-AA-0978	0.330 E	BOULEVARD LVTO	40945 OLD HIGHWAY 80	BOULEVARD, 91905	4
1	CLEANUPSITES	T0607300001	0.330 E	CALTRANS/BOULEVARD	40945 OLD HY 80	BOULEVARD, 91905	5



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CORTESE LIST (CORTESE)

MAP ID# 1

Distance from Property: 0.33 mi. E

FACILITY INFORMATION

ID#: 7T1905001

NAME: CAL TRANS YARD

ADDRESS: 40945 OLD 80
BOULEVARD CA



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LEAKING UNDERGROUND STORAGE TANKS (LUST)

MAP ID# 1

Distance from Property: 0.33 mi. E

SITE INFORMATION

ID#: **T0607300001** REGIONAL CASE #: **7T1905001** LOCAL CASE #: **H00149-001**
SITE NAME: **CALTRANS/BOULEVARD** RESPONSIBLE PARTY: **ROBERT ROLAND**
ADDRESS: **40945 OLD HY 80** ADDRESS: **P.O. BOX 85406**
BOULEVARD, CA
COUNTY: **SAN DIEGO**
FACILITY OPERATOR: **NOT REPORTED**

CASE INFORMATION

CASE TYPE: **DRINKING WATER AQUIFER** CASE WAS REPORTED: **1996-07-19**
CASE ENTERED INTO SYSTEM: **NOT REPORTED** CASE WAS REVIEWED: **NOT REPORTED**
CASE WAS CLOSED: **NOT REPORTED**
ENFORCEMENT TYPE: **NOTICE OF RESPONSIBILITY**
ENFORCEMENT BEGAN: **NOT REPORTED**
FUNDING TYPE: **NOT REPORTED**
REGIONAL BOARD RESPONSIBLE FOR CASE: **COLORADO RIVER BASIN REGIONAL WATER QUALITY CONTROL BOARD**
PROGRAM FOR THE CASE: **(REGION 7)**
INTERIM FOR THE CASE: **LUST - LEAKING UNDERGROUND STORAGE TANK PROGRAM**
CURRENT STATUS: **NOT REPORTED**
LEAD AGENCY: **5R - REMEDIATION PLAN**
LOCAL AGENCY LEAD LOCAL AGENCY: **SAN DIEGO ENVIRONMENTAL HEALTH SERVICES**
MTBE CLASSIFICATION: **NOT REPORTED**
MAXIMUM MTBE CONCENTRATION WAS FOUND: **NOT REPORTED**
MAXIMUM GROUNDWATER CONCENTRATION OF MTBE: **NOT REPORTED**
MAXIMUM SOIL CONCENTRATION OF MTBE: **NOT REPORTED**
NUMBER OF MTBE ANALYTICAL RESULTS: **0** MTBE TESTED: **YES**
NUMBER OF GASOLINE ANALYTICAL RESULTS: **0**
CASE SUMMARY: **NOT REPORTED**

LEAKING TANK INFORMATION

HOW THE CASE/LEAK WAS DISCOVERED: **NOT REPORTED** DATE LEAK WAS DISCOVERED: **1996-07-19**
HOW THE CASE/LEAK WAS STOPPED: **CLOSE TANK** LEAK WAS STOPPED: **1996-07-19**
CAUSE OF LEAK: **OVERFILL** SOURCE OF LEAK: **NOT REPORTED**
LEAK CONFIRMATION: **NOT REPORTED**
SUBSTANCE/S RELEASED: **DIESEL FUEL OIL AND ADDITIVES**
QUANTITY OF SUBSTANCE RELEASED: **NOT REPORTED**



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LEAKING UNDERGROUND STORAGE TANKS (LUST)

SITE ASSESSMENT AND REMEDIAL ACTION INFORMATION

PRELIMINARY SITE ASSESSEMENT WORKPLAN SUBMITTED: **NOT REPORTED**

PRELIMINARY SITE ASSESSEMENT UNDERWAY: **NOT REPORTED**

REMEDIAL ACTION UNDERWAY: **NOT REPORTED**

POLUTION CHARACTERIZATION: **NOT REPORTED**

REMEDATION PLAN: **2000-11-28**

VERIFICATION MONITORING UNDERWAY: **NOT REPORTED**

CLEANUP FUND ID: **NOT REPORTED**

PRIORITY: **NOT REPORTED**

ABATEMENT METHOD: **NOT REPORTED**

ADDITIONAL INFORMATION

WATER SYSTEM ID #: **NOT REPORTED**

WATER WELL ID#: **NOT REPORTED**

WATER SYSTEM FOR THE NEAREST PUBLIC DRINKING WATER WELL: **NOT REPORTED**

WELL NAME FOR THE NEAREST DRINKING WATER WELL: **NOT REPORTED**

DISTANCE TO NEAREST DRINKING WATER WELL: **0**

GROUNDWATER BASIN: **722.72**

BENEFICIAL USE: **MUNICIPAL AND DOMESTIC SUPPLY, AGRICULTURAL SUPPLY, INDUSTRIAL SERVICE SUPPLY,
GROUNDWATER RECHARGE, WATER CONTACT RECREATION, NON-CONTACT WATER RECREATION,
WARM FRESHWATER HABITAT, WILDLIFE HABITAT, RARE, THREATENED, OR ENDANGERED SPECIES**

SOLID WASTE INFORMATION SYSTEM SITES (SWIS)

MAP ID# 1

Distance from Property: 0.33 mi. E

FACILITY INFORMATION

ID NUMBER: 37-AA-0978

NAME: BOULEVARD LVTO

LOCATION: 40945 OLD HIGHWAY 80

BOULEVARD, CA 91905

LATITUDE: 32.663220000000003

LONGITUDE: -116.26738

OWNER INFORMATION

NAME: CALTRANS

ADDRESS: 4050 TAYLOR ST.

SAN DIEGO, CA 92110

OPERATOR INFORMATION

NAME: CALTRANS REGION 1

ADDRESS: 8502 RAILROAD AVE.

SANTEE, CA 92071

FACILITY DETAILS

SITE ID: 11101

LAND USE: NOT REPORTED

PERMIT DATE: 5/18/2011

PERMIT STATUS: NOTIFICATION

ENFORCEMENT AGENCY: COUNTY OF SAN DIEGO

UNIT

CATEGORY: TRANSFER/PROCESSING

UNIT #: 01

REGULATORY STATUS: NOTIFICATION

OPERATIONAL STATUS: ACTIVE

ACTIVITY: LIMITED VOLUME TRANSFER OPERATION

INSPECTION: QUARTERLY

ACCEPTED WASTE: MIXED MUNICIPAL,TIRES,WOOD WASTE

CAPACITY: 3725

REMAINING CAPACITY: NOT REPORTED

THROUGHPUT: 15

DISPOSAL ACREAGE: NOT REPORTED

CLOSURE DATE: NOT REPORTED



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GEOTRACKER CLEANUP SITES (CLEANUPSITES)

MAP ID# 1

Distance from Property: 0.33 mi. E

FACILITY INFORMATION

GLOBAL ID: T0607300001

BUSINESS NAME: CALTRANS/BOULEVARD

ADDRESS: 40945 OLD HY 80

BOULEVARD, CA 91905

COUNTY: SAN DIEGO

FACILITY DETAILS

CASE TYPE: LUST Cleanup Site

CASE NUMBER: 7T1905001

STATUS: OPEN - REMEDIATION 2000-11-28 00:00:00

POTENTIAL CONTAMINATION:

BENZENE, TOLUENE, XYLENE, DIESEL, MTBE / TBA / OTHER FUEL OXYGENATES, GASOLINE

POTENTIAL MEDIA AFFECTED:

AQUIFER USED FOR DRINKING WATER SUPPLY

SITE HISTORY:

THREE UNDERGROUND STORAGE TANKS (USTS), WHICH HAD APPARENTLY BEEN IN SERVICE SINCE 1961, WERE REMOVED FROM THE CALTRANS MAINTENANCE YARD AT 40945 OLD HIGHWAY 80, IN BOULEVARD, CALIFORNIA, ON JULY 19, 1996. THE USTS, HAD STORED DIESEL AND INCLUDED TWO 1,000-GALLON CAPACITY TANKS AND ONE 4,000-GALLON CAPACITY TANK. THE COUNTY INSPECTOR FOR THE REMOVAL NOTED THAT EACH OF THE TANKS EXHIBITED HEAVY CORROSION; HOWEVER, NO HOLES WERE NOTED. DISCOLORATION OF NATIVE FORMATION WAS OBSERVED BENEATH ONE OF THE USTS AND IN THE DISPENSER AREA. ODORS WERE NOTED AS EMANATING FROM THE BOTTOM OF THE EXCAVATION. ANALYTICAL RESULTS FOR SOIL SAMPLES COLLECTED DURING THE INSPECTION INDICATED DETECTION OF PETROLEUM HYDROCARBONS AT A CONCENTRATION OF 11,000 MILLIGRAMS PER KILOGRAM (MG/KG). DEH OPENED AN UNAUTHORIZED RELEASE CASE FOR THE SITE ON JULY 26, 1996. A GROUNDWATER MONITORING WELL WAS INSTALLED THROUGH THE BASE OF THE FORMER UST EXCAVATION IN JULY 1997. GROUNDWATER WAS ENCOUNTERED AT A DEPTH APPROXIMATELY 27 FEET BELOW GROUND SURFACE (BGS). INFORMATION AS TO WHETHER GROUNDWATER BENEATH THE SITE HAD BEEN IMPACTED WAS NECESSARY TO ASSESS A POTENTIAL THREAT TO AN OFF-SITE DRINKING WATER SUPPLY WELL LOCATED APPROXIMATELY 200 FEET TO THE NORTHWEST. SUBSEQUENT GROUNDWATER SAMPLING INDICATED THAT GROUNDWATER WAS IMPACTED BENEATH THE FORMER UST EXCAVATION, PRIMARILY BY GASOLINE, DIESEL, BENZENE AND METHYL-TERT-BUTYL ETHER (MTBE). HOWEVER, THE OFF-SITE DRINKING WATER SUPPLY WELL WAS NOT IMPACTED. ADDITIONAL SITE INVESTIGATION ACTIVITIES WERE PERFORMED IN JANUARY 1999, SEPTEMBER 2000, AUGUST 2001, AND APRIL 2004. NINETEEN BORINGS WERE DRILLED AND SAMPLED AND EIGHT GROUNDWATER MONITORING WELLS WERE INSTALLED. THE MAXIMUM DEPTH OF INVESTIGATION WAS APPROXIMATELY 45 FEET BGS. BORING LOGS INDICATE SANDY FILL MATERIAL UNDERLIES THE SITE, WHICH IS UNDERLAIN BY WEATHERED GRANITIC ROCK. QUARTERLY GROUNDWATER MONITORING AND SAMPLING OF THE MONITORING WELLS AND THE OFF-SITE DRINKING WATER WELL HAS BEEN PERFORMED THROUGH DECEMBER 2009. A CORRECTIVE ACTION PLAN (CAP) WAS SUBMITTED TO DEH IN JULY 2005 THAT RECOMMENDED USING SOIL VAPOR EXTRACTION WITH AIR SPARGING TO REMEDIATE IMPACTED SOIL AND GROUNDWATER BENEATH THE SITE. SUBSEQUENT TO THE CAP SUBMITTAL, WATER LEVEL ELEVATIONS INCREASED BENEATH THE SITE. A CAP ADDENDUM WAS SUBMITTED IN NOVEMBER 2006. FINAL APPROVAL OF THE CAP/CAP ADDENDUM WAS ISSUED IN MARCH 2007. CONSTRUCTION OF THE SITE REMEDIATION SYSTEM IS CURRENTLY UNDERWAY.

REGULATORY ACTIVITIES

TYPE OF ACTION:	DATE:	ACTION:
ENFORCEMENT	1996-07-31	NOTICE OF RESPONSIBILITY
ENFORCEMENT	2009-07-23	LETTER - NOTICE
OTHER	1950-01-01	LEAK BEGAN
OTHER	1950-01-01	LEAK DISCOVERY



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GEOTRACKER CLEANUP SITES (CLEANUPSITES)

OTHER	1950-01-01	LEAK STOPPED
OTHER	1950-01-01	LEAK REPORTED
RESPONSE	2011-07-30	MONITORING REPORT - QUARTERLY
RESPONSE	2011-09-30	MONITORING REPORT - QUARTERLY
RESPONSE	2010-06-30	REMEDIAL PROGRESS REPORT
RESPONSE	2012-01-31	MONITORING REPORT - QUARTERLY
RESPONSE	2011-04-30	MONITORING REPORT - QUARTERLY
RESPONSE	2012-05-14	REMEDIAL PROGRESS REPORT
RESPONSE	2012-01-31	REMEDIAL PROGRESS REPORT
RESPONSE	2012-07-31	MONITORING REPORT - SEMI-ANNUALLY
RESPONSE	2011-10-31	REMEDIAL PROGRESS REPORT
RESPONSE	2012-07-31	MONITORING REPORT - SEMI-ANNUALLY
RESPONSE	2012-08-31	REMEDIAL PROGRESS REPORT
RESPONSE	2012-12-31	MONITORING REPORT - SEMI-ANNUALLY

STATUS HISTORY

STATUS: DATE:
OPEN - CASE BEGIN DATE 1996-07-19
OPEN - REMEDIATION 2000-11-28

CONTACT DETAILS

ORGANIZATION: SAN DIEGO COUNTY LOP
ADDRESS: P.O. BOX 129261
CITY: SAN DIEGO
CONTACT NAME: CAROL FENNER
CONTACT TYPE: LOCAL AGENCY CASEWORKER
CONTACT PHONE: NOT REPORTED
EMAIL: CAROL.FENNER@SDCOUNTY.CA.GOV
ORGANIZATION: COLORADO RIVER BASIN RWQCB (REGION 7)
ADDRESS: 73-720 FRED WARING DR. STE 100
CITY: PALM DESERT
CONTACT NAME: KAI DUNN
CONTACT TYPE: REGIONAL BOARD CASEWORKER
CONTACT PHONE: NOT REPORTED
EMAIL: KDUNN@WATERBOARDS.CA.GOV

REPORT SUMMARY OF UNLOCATABLE SITES

DATABASE TYPE	SITE ID#	SITE NAME	ADDRESS	CITY	ZIP CODE
HWTS	IRC040202001	LA POSTA BAND OF MISSION INDIANS	N 32 DEGREES, 43.697	BOULEVARD	91905



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HAZARDOUS WASTE TANNER SUMMARY (HWTS)

SITE INFORMATION

EPA ID: **IRC040202001**
NAME: **LA POSTA BAND OF MISSION INDIANS**
COUNTY: **SAN DIEGO**
ADDRESS: **N 32 DEGREES, 43.697**
BOULEVARD, CA 91905

CONTACT INFORMATION

CONTACT: **JAMES HILL/X222**
PHONE: **(619) 478-2113**
ADDRESS: **PO BOX 1120**
BOULEVARD, CA 91905

MANIFEST SUMMARY INFORMATION

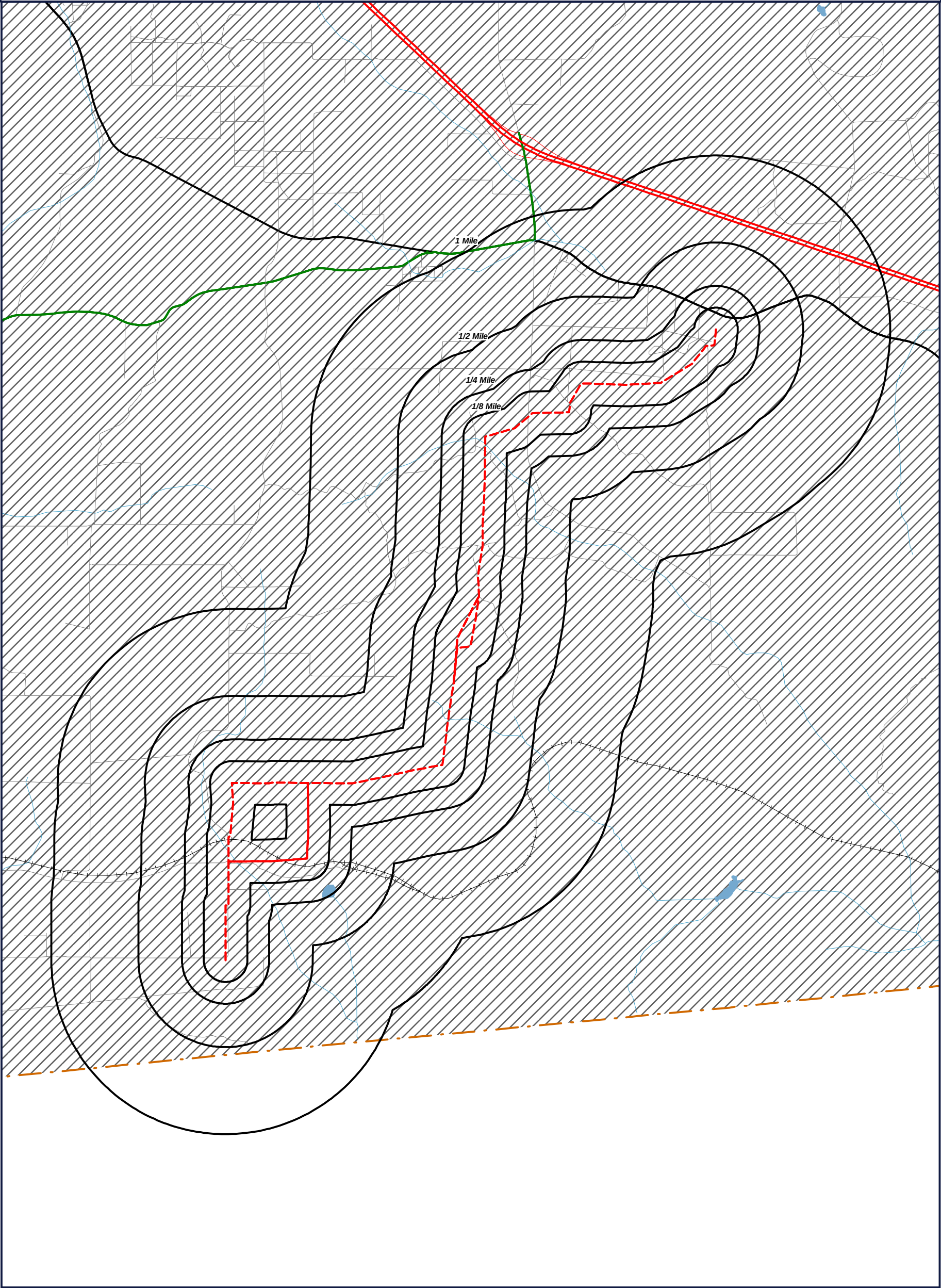
YEAR: **2005**
TSD ID: **CAD028409019**
GENERATOR COUNTY: **SAN DIEGO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **UNSPECIFIED OIL-CONTAINING WASTE**
AMOUNT DISPOSED(TONS): **0.1800**
DISPOSAL METHOD: **TRANSFER STATION**

YEAR: **2004**
TSD ID: **CAD028409019**
GENERATOR COUNTY: **SAN DIEGO**
DISPOSAL COUNTY: **LOS ANGELES**
WASTE CATEGORY: **WASTE OIL AND MIXED OIL**
AMOUNT DISPOSED(TONS): **0.6800**
DISPOSAL METHOD: **TRANSFER STATION**



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FEMA MAP



Target Property (TP)

- | | |
|------------|----------------------------------|
| ZONE A | ZONE X |
| ZONE AE | ZONE X500 |
| ZONE AH | NDA - DIGITAL DATA NOT AVAILABLE |
| ZONE ANI | |
| ZONE D | |
| ZONE UNDES | |
| ZONE V | |
| ZONE VE | |

Panel #:

Gentie
San Diego County, California
91905



0' 1500' 3000' 4500'
SCALE: 1" = 3000'



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FEDERAL EMERGENCY MANAGEMENT AGENCY REPORT

FEMA - Federal Emergency Management Agency

The information used in this report is derived from the Federal Emergency Management Agency (FEMA). The Q3 Flood Data is developed by electronically scanning the current effective map panels of existing paper Flood Insurance Rate Maps (FIRMs). Certain key features are digitally captured and then converted into area features, such as floodplain boundaries. Q3 Flood Data captures certain key features from the existing paper FIRMs, including:

- 100-year and 500-year (1% and 0.2% annual chance) floodplain areas, including Zone V areas, certain floodway areas (when present on the FIRM), and zone designations
- Coastal Barrier Resources Act (COBRA) areas
- FIRM panel areas, including panel number and suffix

This data was last updated between 1996 and 2000 and is available in select counties throughout the United States.

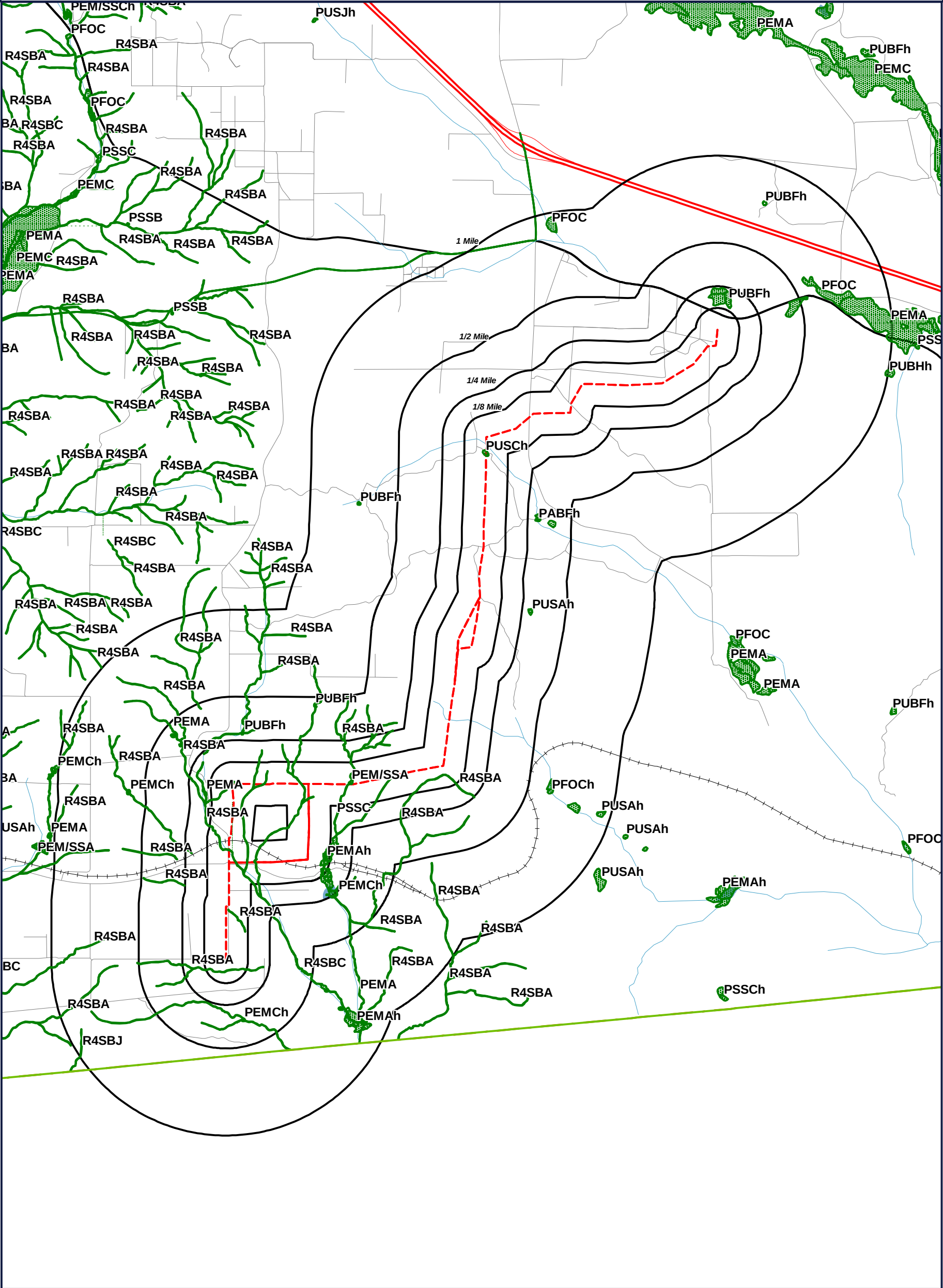
FEMA Flood Zone Definitions Relevant to Map

NDA - DIGITAL DATA NOT AVAILABLE

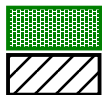


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NWI MAP



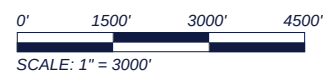
Target Property (TP)



NW1 BOUNDARY

NDA - DIGITAL DATA NOT AVAILABLE

GenTie
San Diego County, California
91905



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NATIONAL WETLANDS INVENTORY REPORT

NWI - National Wetlands Inventory

The US NWI digital data bundle is a set of records of wetlands location and classification as defined by the U.S. Fish & Wildlife Service. This dataset is one of a series available in 7.5 minute by 7.5 minute blocks containing ground planimetric coordinates of wetlands point, line, and area features and wetlands attributes. When completed, the series will provide coverage for all of the contiguous United States, Hawaii, Alaska, and U.S. protectorates in the Pacific and Caribbean. The digital data as well as the hardcopy maps that were used as the source for the digital data are produced and distributed by the U.S. Fish & Wildlife Service's National Wetlands Inventory project. Currently, this data is only available in select counties throughout the United States.

NWI Definitions Relevant to Map

NWI ATTRIBUTES DISPLAYED BEYOND THE SEARCH RADIUS ARE NOT REPORTED

PABFh

SYSTEM: **PALUSTRINE**
CLASS: **AQUATIC BED**
WATER REGIME: **SEMIPERMANENTLY FLOODED**
SPECIAL MODIFIER: **DIKED/IMPOUNDED**

PEM/SSA

SYSTEM: **PALUSTRINE**
CLASS: **EMERGENT**

PEMA

SYSTEM: **PALUSTRINE**
CLASS: **EMERGENT**
WATER REGIME: **TEMPORARILY FLOODED**

PEMAh

SYSTEM: **PALUSTRINE**
CLASS: **EMERGENT**
WATER REGIME: **TEMPORARILY FLOODED**
SPECIAL MODIFIER: **DIKED/IMPOUNDED**

PEMC

SYSTEM: **PALUSTRINE**
CLASS: **EMERGENT**
WATER REGIME: **SEASONALLY FLOODED**



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NATIONAL WETLANDS INVENTORY REPORT

PEMCh

SYSTEM: **PALUSTRINE**
CLASS: **EMERGENT**
WATER REGIME: **SEASONALLY FLOODED**
SPECIAL MODIFIER: **DIKED/IMPOUNDED**

PFOA

SYSTEM: **PALUSTRINE**
CLASS: **FORESTED**
WATER REGIME: **TEMPORARILY FLOODED**

PFOAh

SYSTEM: **PALUSTRINE**
CLASS: **FORESTED**
WATER REGIME: **TEMPORARILY FLOODED**
SPECIAL MODIFIER: **DIKED/IMPOUNDED**

PFOC

SYSTEM: **PALUSTRINE**
CLASS: **FORESTED**
WATER REGIME: **SEASONALLY FLOODED**

PFOCh

SYSTEM: **PALUSTRINE**
CLASS: **FORESTED**
WATER REGIME: **SEASONALLY FLOODED**
SPECIAL MODIFIER: **DIKED/IMPOUNDED**

PFOJh

SYSTEM: **PALUSTRINE**
CLASS: **FORESTED**
WATER REGIME: **INTERMITTENTLY FLOODED**
SPECIAL MODIFIER: **DIKED/IMPOUNDED**

PSSC

SYSTEM: **PALUSTRINE**
CLASS: **SCRUB-SHRUB**
WATER REGIME: **SEASONALLY FLOODED**



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NATIONAL WETLANDS INVENTORY REPORT

PUBFh

SYSTEM: **PALUSTRINE**
CLASS: **UNCONSOLIDATED BOTTOM**
WATER REGIME: **SEMIPERMANENTLY FLOODED**
SPECIAL MODIFIER: **DIKED/IMPOUNDED**

PUBHh

SYSTEM: **PALUSTRINE**
CLASS: **UNCONSOLIDATED BOTTOM**
WATER REGIME: **PERMANENTLY FLOODED**
SPECIAL MODIFIER: **DIKED/IMPOUNDED**

PUSAh

SYSTEM: **PALUSTRINE**
CLASS: **UNCONSOLIDATED SHORE**
WATER REGIME: **TEMPORARILY FLOODED**
SPECIAL MODIFIER: **DIKED/IMPOUNDED**

PUSCh

SYSTEM: **PALUSTRINE**
CLASS: **UNCONSOLIDATED SHORE**
WATER REGIME: **SEASONALLY FLOODED**
SPECIAL MODIFIER: **DIKED/IMPOUNDED**

R4SBA

SYSTEM: **RIVERINE**
SUBSYSTEM: **INTERMITTENT**
CLASS: **STREAMBED**
WATER REGIME: **TEMPORARILY FLOODED**

R4SBC

SYSTEM: **RIVERINE**
SUBSYSTEM: **INTERMITTENT**
CLASS: **STREAMBED**
WATER REGIME: **SEASONALLY FLOODED**

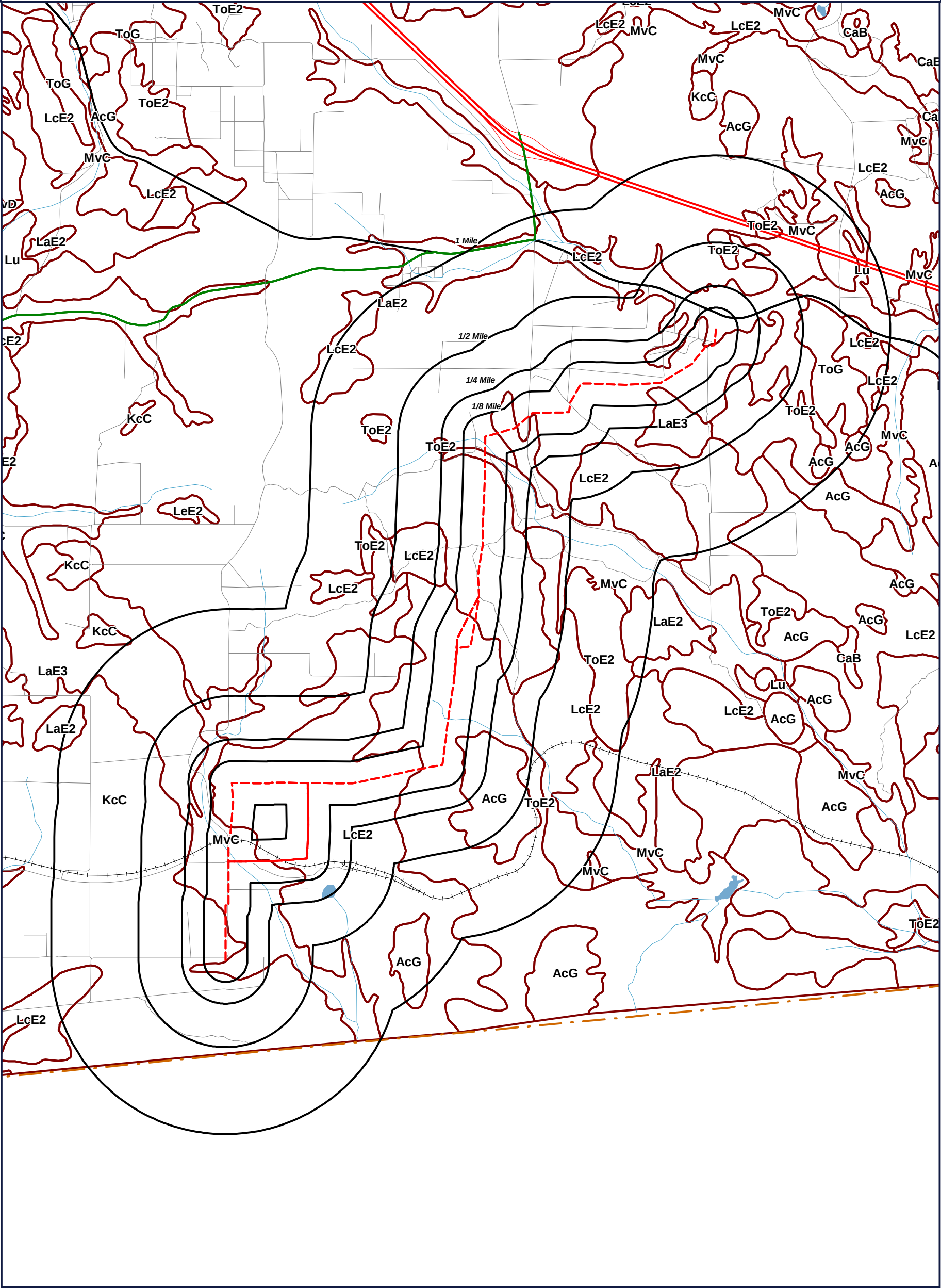
R4SBJ

SYSTEM: **RIVERINE**
SUBSYSTEM: **INTERMITTENT**
CLASS: **STREAMBED**
WATER REGIME: **INTERMITTENTLY FLOODED**



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SOIL SURVEY MAP



Target Property (TP)

SOIL BOUNDARY
NDA - DIGITAL DATA NOT AVAILABLE

Gentie
San Diego County, California
91905



0' 1500' 3000' 4500'
SCALE: 1" = 3000'

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SOIL SURVEY REPORT

Soil Surveys

The soil data used in this report is obtained from the Natural Resources Conservation Service (NRCS). The NRCS is the primary federal agency that works with private landowners to help them conserve, maintain and improve their natural resources. The soil survey contains information that can be applied in managing farms and ranches; in selecting sites for roads, ponds, buildings and other structures; and in determining the suitability of tracts of land for farming, industry and recreation. This data is available in select counties throughout the United States.

Soil Code Definitions Relevant to Map

MvC	MOTTSVILLE LOAMY COARSE SAND, 2 TO 9 PERCENT SLOPES
Lu	LOAMY ALLUVIAL LAND
LcE2	LA POSTA ROCKY LOAMY COARSE SAND, 5 TO 30 PERCENT SLOPE S, ERODED
LaE3	LA POSTA LOAMY COARSE SAND, 5 TO 30 PERCENT SLOPES, SEVERELY ERODED
LaE2	LA POSTA LOAMY COARSE SAND, 5 TO 30 PERCENT SLOPES, ERODED
KcC	KITCHEN CREEK LOAMY COARSE SAND, 5 TO 9 PERCENT SLOPES
CaD2	CALPINE COARSE SANDY LOAM, 9 TO 15 PERCENT SLOPES, ERODED
AcG	ACID IGNEOUS ROCK LAND
ToE2	TOLLHOUSE ROCKY COARSE SANDY LOAM, 5 TO 30 PERCENT SLOPES, ERODED
ToG	TOLLHOUSE ROCKY COARSE SANDY LOAM, 30 TO 65 PERCENT SLOPES



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

AIRSAFS Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 8/2012

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance.

BF Brownfields Management System

VERSION DATE: 1/2013

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment.

BRS Biennial Reporting System

VERSION DATE: 12/2009

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

CDL Clandestine Drug Laboratory Locations

VERSION DATE: 3/2012

The U.S. Department of Justice ("the Department") provides this information as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

CERCLIS Comprehensive Environmental Response, Compensation & Liability Information System

VERSION DATE: 10/2012

CERCLIS is the repository for site and non-site specific Superfund information in support of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This United States Environmental Protection Agency database contains an extract of sites that have been investigated or are in the process of being investigated for potential environmental risk.

DNPL Delisted National Priorities List

VERSION DATE: 10/2012

This database includes sites from the United States Environmental Protection Agency's Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

DOCKETS EPA Docket Data

VERSION DATE: 12/2005

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

DOD Department of Defense Sites

VERSION DATE: 12/2005

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

EC Federal Engineering Institutional Control Sites

VERSION DATE: 11/2012

This database includes site locations where Engineering and/or Institutional Controls have been identified as part of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

ERNSCA Emergency Response Notification System

VERSION DATE: 12/2012

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

FRSCA Facility Registry System

VERSION DATE: 11/2012

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

FUDS Formerly Used Defense Sites

VERSION DATE: 10/2011

The 2010 FUDS inventory includes properties previously owned by or leased to the United States and under Secretary of Defense jurisdiction. The remediation of these properties is the responsibility of the Department of Defense.

HISTPST Historical Gas Stations

VERSION DATE: 7/1930

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

HMIRSR09 Hazardous Materials Incident Reporting System

VERSION DATE: 1/2013

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

ICIS Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 8/2012

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.

ICISNPDES Integrated Compliance Information System National Pollutant Discharge Elimination System
VERSION DATE: 8/2012

In 2006, the Integrated Compliance Information System (ICIS) - National Pollutant Discharge Elimination System (NPDES) became the NPDES national system of record for select states, tribes and territories. ICIS-NPDES is an information management system maintained by the United States Environmental Protection Agency's Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels.

LUCIS Land Use Control Information System
VERSION DATE: 9/2006

The LUCIS database is maintained by the U.S. Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

MLTS Material Licensing Tracking System
VERSION DATE: 2/2012

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements.

NFRAP No Further Remedial Action Planned Sites
VERSION DATE: 10/2012

This database includes sites which have been determined by the United States Environmental Protection Agency, following preliminary assessment, to no longer pose a significant risk or require further activity under CERCLA. After initial investigation, no contamination was found, contamination was quickly removed or contamination was not serious enough to require Federal Superfund action or NPL consideration.

NLRRCRAC No Longer Regulated RCRA Corrective Action Facilities
VERSION DATE: 11/2012

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

NLRRCRAG No Longer Regulated RCRA Generator Facilities

VERSION DATE: 11/2012

This database includes RCRA Generator facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly generated hazardous waste.

Large Quantity Generators: Generate 1,000 kg or more of hazardous waste during any calendar month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.

Small Quantity Generators: Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators: Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

NLRRCRAT No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 11/2012

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

NPDES09 National Pollutant Discharge Elimination System

VERSION DATE: 4/2007

Information in this database is extracted from the Water Permit Compliance System (PCS) database which is used by United States Environmental Protection Agency to track surface water permits issued under the Clean Water Act. This database includes permitted facilities located in



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa. The NPDES database was collected from December 2002 until April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data.

NPL National Priorities List

VERSION DATE: 10/2012

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

ODI Open Dump Inventory

VERSION DATE: 6/1985

The open dump inventory was published by the United States Environmental Protection Agency. An "open dump" is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

PADS PCB Activity Database System

VERSION DATE: 11/2012

The PCB Activity Database System (PADS) is used by the United States Environmental Protection Agency to monitor the activities of polychlorinated biphenyls (PCB) handlers.

PCSR09 Permit Compliance System

VERSION DATE: 8/2012

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

PNPL Proposed National Priorities List

VERSION DATE: 10/2012

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to



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ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

determine if they may present long-term threats to public health or the environment.

RCRAC

Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 11/2012

This database includes hazardous waste sites listed with corrective action activity in the RCRAInfo system. The Corrective Action Program requires owners or operators of RCRA facilities (or treatment, storage, and disposal facilities) to investigate and cleanup contamination in order to protect human health and the environment. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

RCRAGR09

Resource Conservation & Recovery Act - Generator Facilities

VERSION DATE: 11/2012

This database includes sites listed as generators of hazardous waste (large, small, and exempt) in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes sites located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

Large Quantity Generators: Generate 1,000 kg or more of hazardous waste during any calendar month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.

Small Quantity Generators: Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

Conditionally Exempt Small Quantity Generators: Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or



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acutely hazardous waste; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

RCRASC RCRA Sites with Controls

VERSION DATE: 6/2012

This list of Resource Conservation and Recovery Act sites with institutional controls in place is provided by the U.S. Environmental Protection Agency.

RCRAT Resource Conservation & Recovery Act - Treatment, Storage & Disposal Facilities

VERSION DATE: 11/2012

This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

RODS Record of Decision System

VERSION DATE: 1/2013

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

SFLIENS CERCLIS Liens

VERSION DATE: 6/2012

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is complete.



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SSTS Section Seven Tracking System

VERSION DATE: 12/2009

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. ("Production" includes formulation, packaging, repackaging, and relabeling.)

TRI Toxics Release Inventory

VERSION DATE: 12/2011

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.

TSCA Toxic Substance Control Act Inventory

VERSION DATE: 12/2006

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site.



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ENVIRONMENTAL RECORDS DEFINITIONS - STATE (CA)

ABST Above Ground Storage Tanks

VERSION DATE: 12/2007

This database contains aboveground storage tank facilities registered with the California State Water Resources Control Board (SWRCB). Since 2006, tanks were required to contain a minimum (even as cumulative) of 1320 gallons to be in the program. As of January 1, 2008, the SWRCB no longer maintains a list of registered aboveground storage tanks, due to effective Assembly Bill No. 1130 (Laird) of the Aboveground Petroleum Storage Act (APSA). This Bill authorized the Certified Unified Program Agencies to implement and administer the requirements of the APSA.

CALSITES CALSITES Database

VERSION DATE: 9/2004

This historical database was maintained by the Department of Toxic Substance Control for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

CDL Clandestine Drug Labs

VERSION DATE: 7/2012

The California Department of Toxic Substance Control (DTSC) provides this listing of illegal drug laboratories. Pursuant to Section 25354.5 of the California Health and Safety Code, DTSC conducts emergency removal actions at clandestine drug labs at the request of State and local law enforcement agencies. DTSC's contractors typically remove hazardous substances that may pose an immediate threat to public health and the environment while the enforcement officials are on scene. During the emergency removal actions, contractors remove and properly dispose of contaminated lab equipment, chemicals used to make the illegal drugs (usually methamphetamine), lab chemical wastes, and other grossly contaminated materials. DTSC does not perform additional assessment work beyond standard emergency removal actions and makes no further determination regarding the need for future cleanup work at the emergency removal location. The reported location information may or may not include the actual location of the illegal drug lab. The DTSC does not guarantee the accuracy of the address or location information or the condition of the location listed.

CHMIRS California Hazardous Material Incident Report System

VERSION DATE: 12/2012

The California Hazardous Material Incident Report System database is provided by the California Emergency Management Agency. This database contains accidental or spill release information from reported hazardous material incidents since 1993.



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ENVIRONMENTAL RECORDS DEFINITIONS - STATE (CA)

CLEANER Dry Cleaner Facilities

VERSION DATE: 4/2012

This database, created by accessing the California Department of Toxic Substances Control's (DTSC) Hazardous Waste Tracking System, includes dry cleaner facilities that have registered EPA identification numbers. These facilities are categorized with one of the following NAICS Codes: 81231 or 81232. This database may also include facilities other than dry cleaners who also register with these same NAICS Codes. Not all companies report their NAICS/SIC Codes to the DTSC and therefore this database may exclude registered dry cleaner facilities with incomplete classification information.

CLEANUPSITES GeoTracker Cleanup Sites

VERSION DATE: 11/2012

This GeoTracker Cleanup Sites database is maintained by the California Regional Water Quality Control Board (RWQCB). The database contains contaminated sites that impact groundwater or have the potential to impact ground water, including spills, investigations, cleanup recoveries and reported leaking underground storage tank incidents.

CORTESE Cortese List

VERSION DATE: 11/2002

This historical listing includes hazardous waste and substances sites designated by the State Water Resources Control Board (LUST), the Integrated Waste Board (SWIS), and the Department of Toxic Substance Control (CALSITES). The Cortese List was utilized by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites.

DTSCDR DTSC Deed Restrictions

VERSION DATE: 12/2012

The California Department of Toxic Substances Control (DTSC) maintains this listing of sites with deed restrictions. According to the DTSC, restricted land use indicates whether the site or area within the site has an environmental restriction recorded and/or other institutional control preventing certain types of land use or activities. The land use restrictions listed under the site management requirements are only an abbreviated summary of the land use restrictions, and may not encompass all restrictions and notification requirements placed on a property. For complete land use restriction information please contact the DTSC to review associated Land Use Restriction documents.

DTSCHWT DTSC Registered Hazardous Waste Transporters

VERSION DATE: 10/2012

The Department of Toxic Substances Control provides this list of Registered Hazardous Waste



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ENVIRONMENTAL RECORDS DEFINITIONS - STATE (CA)

Transporters.

EMI Emissions Inventory Data

VERSION DATE: 12/2008

The Air Resources Board's Emissions Inventory Database contains criteria pollutant data and toxic data on facilities throughout the state of California for the 2008 inventory year.

ENVIROSTOR EnviroStor Cleanup Sites

VERSION DATE: 1/2013

The Department of Toxic Substances Control (DTSC) has developed the EnviroStor database system to evaluate and track sites with confirmed or potential contamination and sites where further investigation may be necessary. This EnviroStor database of cleanup sites contains the following: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. Sites where DTSC has made a "No Action Required" determination are not included in this database, as these sites had assessments that revealed no evidence of recognized environmental conditions in connection with the property.

ENVIROSTORPC EnviroStor Permitted and Corrective Action Sites

VERSION DATE: 1/2013

The Department of Toxic Substances Control (DTSC) has developed the EnviroStor database system to evaluate and track sites with confirmed or potential contamination and sites where further investigation may be necessary. This EnviroStor database contains detailed information on hazardous waste permitted and corrective action facilities. Investigation and cleanup activities at hazardous waste facilities (either Resource Conservation and Recovery Act (RCRA) or State-only) that either were eligible for a permit or received a permit are called "corrective action." These facilities treated stored, disposed and/or transferred hazardous waste.

ERAP Expedited Removal Action Program Sites

VERSION DATE: 10/2012

The Expedited Remedial Action Program is a pilot project administered by the Department of Toxic Substances Control's Site Mitigation and Brownfields Reuse Program to promote the cleanup of up to 30 hazardous substance release sites. ERAP provides significant incentives for redevelopment of contaminated properties by promoting cleanups based on the planned land use, by providing a covenant not to sue, and by outlining a fair and equitable liability scheme.



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ENVIRONMENTAL RECORDS DEFINITIONS - STATE (CA)

HISTUST Historical Underground Storage Tanks

VERSION DATE: 12/1987

The Hazardous Substance Storage Container Database is a historical list of Underground Storage Tank sites, compiled from tank survey and registration information collected at one time between 1984 and 1987 by the State Water Resources Control Board. The hazardous substances stored within these tanks includes, but not restricted to, petroleum products, industrial solvents, and other materials.

HWTS Hazardous Waste Tanner Summary

VERSION DATE: 12/2011

This data is prepared from information extracted from copies of hazardous waste manifests received each year by the Department of Toxic Substances Control. The Hazardous Waste Summary Report (Tanner Report) currently includes manifest data from the 1993 through the 2011 reporting years.

LIENS Recorded Environmental Cleanup Liens

VERSION DATE: 9/2012

The California Department of Toxic Substance Control (DTSC) maintains this listing of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

LUST Leaking Underground Storage Tanks

VERSION DATE: 6/2008

This database is maintained by the State Water Resources Control Board. LUST records contain an inventory of reported leaking underground storage tank incidents. Please refer to the CLEANUPSITES database as source of current data.

MWMP California Medical Waste Management Program Facility List

VERSION DATE: 8/2012

To protect the public and the environment from potential infectious exposure to disease causing agents, the Medical Waste Management Program (MWMP), in the Environmental Management Branch of the California Department of Public Health, regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations.



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ENVIRONMENTAL RECORDS DEFINITIONS - STATE (CA)

NFA No Further Action Determination

VERSION DATE: 7/2005

The NFA listing contains properties at which the Department of Toxic Substance Control has made a clear determination that the property does not pose a problem to the environment or to public health.

NFE Sites Needing Further Evaluation

VERSION DATE: 7/2005

The NFE listing contains properties that the Department of Toxic Substance Control suspects with possible contamination. These are unconfirmed contaminated properties that need further assessment.

NPDES National Pollutant Discharge Elimination System Facilities

VERSION DATE: 11/2012

This State Water Resources Control Board database contains NPDES permits, including stormwater general permit enrollees that are active or have been active within the past three years. NPDES permits are required from all facilities that discharge their wastewater from a point source into a waterbody.

PROC Listing of Certified Processors

VERSION DATE: 12/2012

Listing of Certified Processors that are operating under the state of California's Beverage Container Recycling Program. This list is maintained by the Department of Conservation.

REF Referred to Another Local or State Agency

VERSION DATE: 7/2005

The REF listing contains properties where contamination has not been confirmed and which were determined as not requiring direct Department of Toxic Substance Control Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

SCH School Property Evaluations

VERSION DATE: 7/2005

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



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ENVIRONMENTAL RECORDS DEFINITIONS - STATE (CA)

SLIC Spills, Leaks, Investigation & Cleanup Recovery Listing

VERSION DATE: 6/2008

These records are maintained by the California Regional Water Quality Control Board (RWQCB). This list includes contaminated sites that impact groundwater or have the potential to impact ground water. Please refer to CLEANUPSITES database as source of current data.

SWEEPS Statewide Environmental Evaluation and Planning System

VERSION DATE: 10/1994

The Statewide Environmental Evaluation and Planning System (SWEEPS) contains a historical listing of active and inactive underground storage tank locations from the State Water Resources Control Board. The hazardous substances stored within these tanks includes, but not restricted to, petroleum products, industrial solvents, and other materials. Refer to CUPA listing for source of current data.

SWIS Solid Waste Information System Sites

VERSION DATE: 1/2013

The Solid Waste Information System (SWIS) database includes information on solid waste facilities, operations, and disposal sites located in California. This database is maintained by the California Department of Resources Recycling and Recovery.

SWRCY Recycling Centers

VERSION DATE: 12/2012

Listing of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program. This list is maintained by the Department of Conservation.

TOXPITS Toxic Pits Cleanup Act Sites

VERSION DATE: 7/1995

Toxic Pits are sites with possible contamination of hazardous substances where cleanup is necessary. This listing is no longer updated by the State Water Resources Control Board.

USTCUPA Underground Storage Tanks

VERSION DATE: 11/2012

An underground storage tank is an individual tank or group of tanks that store hazardous substances. Underground storage tanks are completely or considerably below the ground surface. This database contains UST permit data submitted from the Certified Unified Program Agencies (CUPA) directly to the State Water Resources Control Board. CUPA's are local agencies that have been certified by the California EPA to implement state environmental programs within the local agency's jurisdiction.



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ENVIRONMENTAL RECORDS DEFINITIONS - STATE (CA)

VCP Voluntary Cleanup Program

VERSION DATE: 9/2004

The California Voluntary Cleanup program provides regulatory oversight by the Department of Toxic Substance Control (DTSC) to project proponents desiring to address mitigation activities at sites which have lower health and/or environmental risk than sites which are currently being addressed by DTSC. Refer to Envirostor database as source of current data.

WMUDS Waste Management Unit Database

VERSION DATE: 1/2000

The Waste Management Unit Database System tracks and inventories waste management units. CCR Title 27 contains criteria stating that Waste Management Units are classified according to their ability to contain wastes. Containment shall be determined by geology, hydrology, topography, climatology, and other factors relating to the ability of the Unit to protect water quality. Water Code Section 13273.1 requires that operators submit a water quality solid waste assessment test (SWAT) report to address leak status. The WMUDS was last updated by the State Water Resources control board in 2000.



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ENVIRONMENTAL RECORDS DEFINITIONS - LOCAL

SDEACL San Diego County Environmental Assessment Case Listing

VERSION DATE: 5/2011

The Environmental Assessment Case listing is maintained by the San Diego Department of Environmental Health's Site Assessment and Mitigation (SAM) Unit. This listing includes underground storage tanks with an unauthorized release and/or other contaminated properties where corrective action is necessary. Please refer to CLEANUPSITES database as source of current data.

SDHMMDD San Diego County Hazardous Materials Management Division Database

VERSION DATE: 9/2010

The HMMDD is maintained by the County of San Diego's Environmental Health Department and includes all establishments with a hazardous materials permit. The database also provides associated waste, inventory, environmental assessment and tank information.



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ENVIRONMENTAL RECORDS DEFINITIONS - TRIBAL

INDIANRES Indian Reservations

VERSION DATE: 1/2000

The Department of Interior and Bureau of Indian Affairs maintains this database that includes American Indian Reservations, off-reservation trust lands, public domain allotments, Alaska Native Regional Corporations and Recognized State Reservations.

LUSTR09 Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 2/2012

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.

ODINDIAN Open Dump Inventory on Tribal Lands

VERSION DATE: 11/2006

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

USTR09 Underground Storage Tanks On Tribal Lands

VERSION DATE: 2/2012

This database, provided by the United States Environmental Protection Agency (EPA), contains underground storage tanks on Tribal lands located in EPA Region 9. This region includes the following states: Arizona, California, Hawaii, Nevada, and the territories of Guam and American Samoa.



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GeoPlus Oil & Gas Report

<http://www.geo-search.net/QuickMap/index.htm?DataID=Standard0000053000>

Click on link above to access the map and satellite view of current property

Target Property:

GenTie

San Diego County, California 91905

Prepared For:

Dudek

Order #: 22921

Job #: 53000

Date: 02/13/2013

TARGET PROPERTY SUMMARY

GenTie

San Diego County, California 91905

USGS Quadrangle: **Tierra Del Sol, CA**

Target Property Geometry: **Corridor**

Target Property Longitude(s)/Latitude(s):

(-116.272204, 32.661766), (-116.272384, 32.660454), (-116.273173, 32.660385), (-116.274545, 32.658902),
(-116.277634, 32.657320), (-116.280941, 32.657166), (-116.283499, 32.657240), (-116.285500, 32.657263),
(-116.286609, 32.655644), (-116.286696, 32.654861), (-116.290349, 32.654795), (-116.292037, 32.653556),
(-116.294964, 32.652847), (-116.295009, 32.650251), (-116.295107, 32.647414), (-116.295221, 32.645253),
(-116.295209, 32.643750), (-116.295666, 32.641297), (-116.295590, 32.639588), (-116.295902, 32.637679),
(-116.296429, 32.635386), (-116.297714, 32.635269), (-116.298094, 32.632292), (-116.297729, 32.636063),
(-116.295590, 32.639588), (-116.297729, 32.636063), (-116.298094, 32.632292), (-116.298519, 32.630062),
(-116.298814, 32.628046), (-116.299189, 32.625529), (-116.302315, 32.625045), (-116.305179, 32.624502),
(-116.308047, 32.624002), (-116.312475, 32.624021), (-116.315981, 32.624051), (-116.316282, 32.624000),
(-116.319952, 32.624032), (-116.319830, 32.622354), (-116.320135, 32.619613), (-116.320285, 32.619526),
(-116.320285, 32.617486), (-116.316076, 32.617512), (-116.312549, 32.617743), (-116.312423, 32.620392),
(-116.312475, 32.624021), (-116.312423, 32.620392), (-116.312549, 32.617743), (-116.316076, 32.617512),
(-116.320285, 32.617486), (-116.320289, 32.613837), (-116.320585, 32.613835), (-116.320576, 32.609277)

County/Parish Covered:

San Diego (CA)

Zipcode(s) Covered:

Boulevard CA: 91905

Jacumba CA: 91934

State(s) Covered:

CA

***Target property is located in Radon Zone 3.**

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).

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DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS (miles)
<u>STATE (CA)</u>				
OIL AND GAS	OG	0	0	0.5000
SUB-TOTAL		0	0	

TOTAL		0	0
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LOCATABLE DATABASE FINDINGS

ACRONYM	Target Property	SEARCH RADIUS (miles)	1/8 Mile (> TP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
STATE (CA)								
OG		.5000	0	0	0	0	NS	0
SUB-TOTAL			0	0	0	0	0	0

TOTAL	0	0	0	0	0	0
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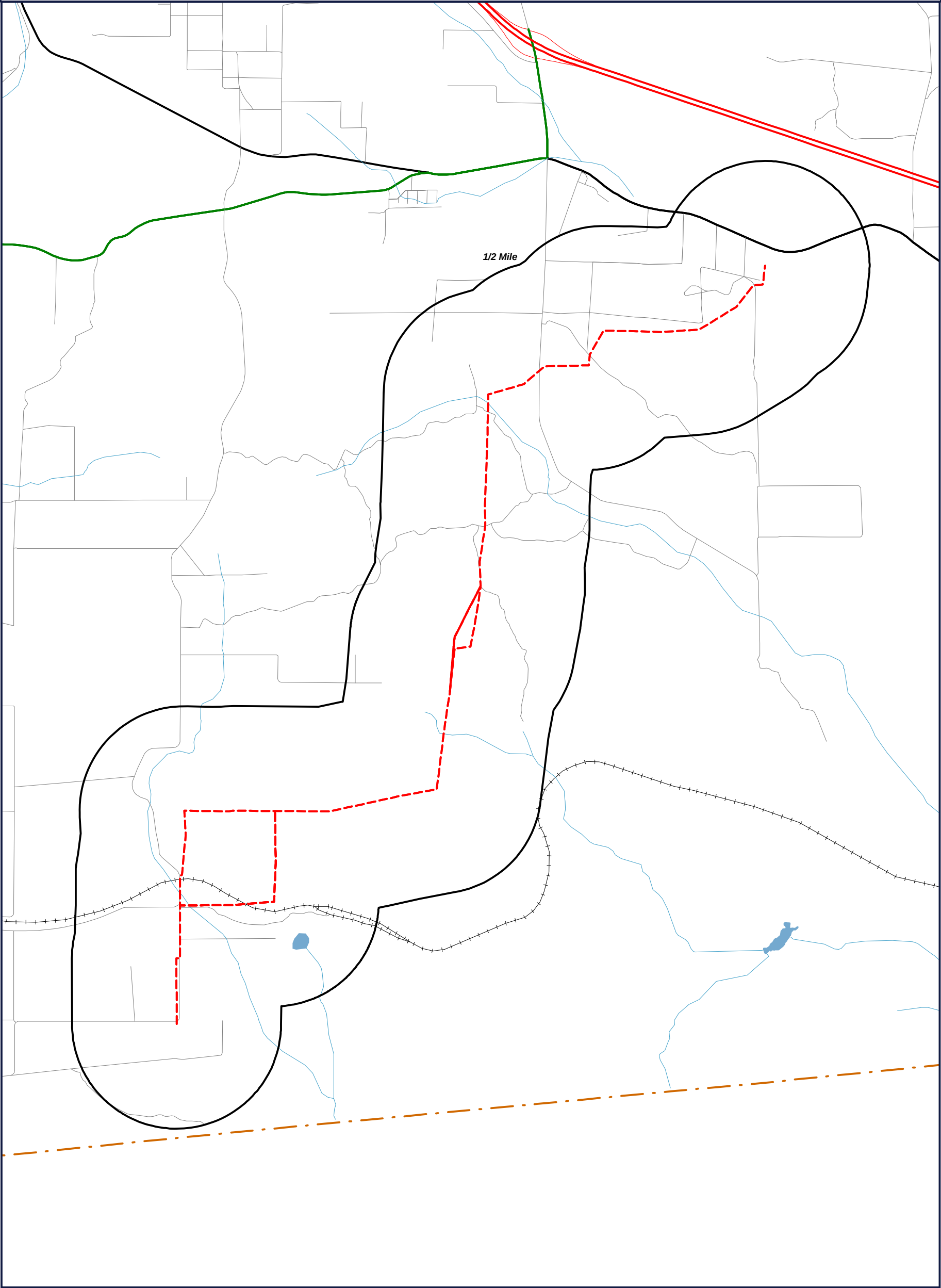
NOTES:

NS = NO SEARCH REQUESTED BY CUSTOMER



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OIL / GAS WELL MAP



- - - - - Target Property (TP)
● Well Location

GenTie
San Diego County, California
91905



ENVIRONMENTAL RECORDS DEFINITIONS - STATE (CA)

OG Oil and Gas

VERSION DATE: 8/2012

This oil, gas, and geothermal well information database is maintained by the California Department of Conservation's Division of Oil, Gas, and Geothermal Resources. The database information may change without notice. The Department of Conservation makes no warranties, whether expressed or implied, as to the suitability of the product for any particular purpose. Any use of this information is at the user's own risk.



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GeoPlus Water Well Report

<http://www.geo-search.net/QuickMap/index.htm?DataID=Standard0000052998>

Click on link above to access the map and satellite view of current property

Target Property:

GenTie

San Diego County, California 91905

Prepared For:

Dudek

Order #: 22921

Job #: 52998

Date: 02/13/2013

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(-116.294964, 32.652847), (-116.295009, 32.650251), (-116.295107, 32.647414), (-116.295221, 32.645253),
(-116.295209, 32.643750), (-116.295666, 32.641297), (-116.295590, 32.639588), (-116.295902, 32.637679),
(-116.296429, 32.635386), (-116.297714, 32.635269), (-116.298094, 32.632292), (-116.297729, 32.636063),
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(-116.298814, 32.628046), (-116.299189, 32.625529), (-116.302315, 32.625045), (-116.305179, 32.624502),
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(-116.319952, 32.624032), (-116.319830, 32.622354), (-116.320135, 32.619613), (-116.320285, 32.619526),
(-116.320285, 32.617486), (-116.316076, 32.617512), (-116.312549, 32.617743), (-116.312423, 32.620392),
(-116.312475, 32.624021), (-116.312423, 32.620392), (-116.312549, 32.617743), (-116.316076, 32.617512),
(-116.320285, 32.617486), (-116.320289, 32.613837), (-116.320585, 32.613835), (-116.320576, 32.609277)

County/Parish Covered:

San Diego (CA)

Zipcode(s) Covered:

Boulevard CA: 91905

Jacumba CA: 91934

State(s) Covered:

CA

***Target property is located in Radon Zone 3.**

Zone 3 areas have a predicted average indoor radon screening level less than 2 pCi/L (picocuries per liter).

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DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS (miles)
<u>FEDERAL</u>				
UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM	NWIS	0	0	0.5000
SUB-TOTAL		0	0	
<u>STATE (CA)</u>				
CALIFORNIA DEPARTMENT OF WATER RESOURCES WATER WELLS	DWRWELLS	0	0	0.5000
SUB-TOTAL		0	0	

TOTAL		0	0
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LOCATABLE DATABASE FINDINGS

ACRONYM	Target Property	SEARCH RADIUS (miles)	1/8 Mile (> TP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
<u>FEDERAL</u>								
NWIS		.5000	0	0	0	0	NS	0
SUB-TOTAL			0	0	0	0	0	0
 <u>STATE (CA)</u>								
DWRWELLS		.5000	0	0	0	0	NS	0
SUB-TOTAL			0	0	0	0	0	0

TOTAL	0	0	0	0	0	0
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NOTES:

NS = NO SEARCH REQUESTED BY CUSTOMER



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