Appendix G

Phase I
Environmental Site Assessment Report

Prepared for

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Prepared by

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July 28, 2020

PHASE I
ENVIRONMENTAL SITE ASSESSMENT REPORT

PROPERTY ASSESSED:

Vacant land with parcel ID: 0612-201-05
Twentynine Palms, San Bernardino County, California 92277



RSB Project No. 2007104
Report Date: July 28, 2020

Prepared For:
E-Group SF LLC
555 Anton Boulevard, Suite 150,
Costa Mesa, CA 92626

July 28, 2020

Mr. Peter Bobro
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E-Group SF LLC

RE: Phase I Environmental Site Assessment of
Vacant land with parcel ID: 0612-201-05
Twentynine Palms, San Bernardino County, California 92277
RSB Project No. 2007104

To Whom It May Concern:

Attached please find our Phase I Environmental Site Assessment (the report) for the above-mentioned asset (the Subject Property). During the survey and research, our field inspector met with agents representing the Subject Property, or agents of the owner, and reviewed the Subject Property and its history. The report was completed according to the terms and conditions authorized by you (Client and User). This report has been completed in general conformance with the ASTM Standard E1527-13. The purpose of this report is to acquire environmental information, observe the general condition and maintenance status of the Subject Property, to suggest remediation and/or maintenance practices considered customary for the Subject Property to continue in its current operation, compared to properties of similar age and condition, and to identify recognized environmental conditions in connection with the Subject Property described in this report.

Reliance on the report and the information contained herein shall mean (i) the report may be relied upon by a lender to be selected by E-Group SF LLC, in determining whether to make a loan evidenced by a note secured by the Subject Property ("the Mortgage Loan"); (ii) the report may be relied upon by any purchaser in determining whether to purchase the Mortgage Loan (but not the Subject Property) from that lender, or an interest in the Mortgage Loan or securities backed or secured by the Mortgage Loan, and any rating agency rating securities representing an interest in the Mortgage Loan or backed or secured by the Mortgage Loan; (iii) the report may be referred to in and included, in whole or in part, with materials offering for sale the Mortgage Loan or an interest in the Mortgage Loan or securities backed or secured by the Mortgage Loan; (iv) the report speaks only as of its date in the absence of a specific written update of the report signed and delivered by RSB Environmental.

There are no intended or unintended third-party beneficiaries to this report, except as expressly stated herein.

RSB is an independent contractor, not an employee of either the issuer or the borrower, and its compensation was not based on the findings or recommendations made in the report or on the closing of any business transaction.

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

Thank you very much for the opportunity to provide environmental consulting services to E-Group SF LLC. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,



Sachin Butala, P.E.
RSB Environmental

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EXECUTIVE SUMMARY

RSB Environmental (RSB) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations set forth by RSB's proposal dated July 22, 2020 for Property located at Vacant land with parcel ID: 0612-201-05, Twentynine Palms, San Bernardino County, California 92277 (the "Subject Property").

The Phase I Environmental Site Assessment is designed to provide E-Group SF LLC with an assessment concerning environmental conditions (limited to those issues identified in the report), as they exist at the Subject Property. This assessment was conducted utilizing generally accepted ESA industry standards in general accordance with ASTM Standard E1527-13, Standard Practice for Environmental Site Assessments: Phase I ESA Process.

Property Details	
Property Details	**General Information**
Current Owner:	Proactive Properties
Current Use:	Vacant
Current Occupants:	Not available
Total # of Existing Buildings:	Not applicable
Total Sq. Ft. of Building:	Not applicable
Date Building was built:	Not applicable
Field Assessor:	Ms. Alexis Ceballos
Report Writer:	Mr. Sachin Butala
Address Provided:	Vacant land with parcel ID: 0612-201-05, Twentynine Palms, California 92277
Total Acreage of Land:	Approximately 160
Tax ID #:	0612-201-05
Date of Site Reconnaissance:	July 24, 2020
Areas/Units that were inaccessible to the RSB field assessor:	None
Were enough (units/offices/buildings/acres) inspected to ensure that the inspection was homogenous?	Yes
Did the field assessor notice any unusual odors on or from the subject site or adjoining sites during the site reconnaissance?	No

Historical Use Summary
Based on available historical information, Subject Property has been an undeveloped land at least from 1948 till present.

Surrounding Property	
Direction	**Adjoining Site**
North	Undeveloped land (Address not available)
East	Undeveloped land (Address not available)
West	Undeveloped land (Address not available)
South	2 Miles Road followed by residential properties (5710 Noels Knoll Road, 5781 Easy Street)

Findings and Conclusions

RSB has performed a Phase I ESA in general conformance with the scope and limitations of ASTM Standard E1527-13 for the Property located at Vacant land with parcel ID: 0612-201-05, Twentynine Palms, San Bernardino County, California 92277, the Subject Property. Any exceptions to or deletions from this practice are described in Section 10.0 of this report. In addition, as by the ASTM Standard E1527-13 definitions (Section 1.1 & 3.2) for a REC, a CREC, a HREC and Non-ASTM scope items, this assessment has revealed the following concerns in connection with the Subject Property:

- A riverine (R4SBJ) wetland was identified passing from the southwestern portion towards the northeastern portion of the subject property on the U.S. Department of the Interior, Fish & Wildlife Service's National Wetland Inventory (NWI) Map (available online at https://www.fws.gov/wetlands/data/Mapper). It should be noted that the wetland determination is based the analysis of high-altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis. Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. (Wetland map is available in Appendix E).

De Minimis Environmental Conditions

- RSB did not identify *de minimis* environmental conditions in connection with the Subject Property.

Recommendations

Based on the conclusions, RSB recommends the following:

- Due to the presence of potential wetlands on the Subject Property, RSB recommends that a formal wetlands determination be conducted to determine whether or not this area would be considered a jurisdictional wetland prior to undertaking any development activities likely to impact the area.

PROJECT SUMMARY

PHASE I ENVIRONMENTAL SITE ASSESSMENT SUMMARY
Property located at
Vacant land with parcel ID: 0612-201-05, Twentynine Palms
San Bernardino County, California 92277

Number	Section Name	NFA	REC	CREC	HREC	OEC	BER	Comments
4.1.1	Subject Property	✔						None
4.1.2	Surrounding Properties	✔						None
4.3	Physical Setting Sources					✔		Refer section 4.3.4
5.1	Historical Research	✔						None
6.2.1	Subject Property Reconnaissance	✔						None
6.3.1	Surrounding Property Reconnaissance	✔						None

NFA - No Further Action
REC - Recognized Environmental Condition
CREC - Controlled Recognized Environmental Condition
HREC - Historical Recognized Environmental Condition
OEC - Other Environmental Considerations
BER - Business Environmental Risk

1.0 INTRODUCTION

RSB Environmental (RSB) was retained by E-Group SF LLC (Client) to conduct a Phase I Environmental Site Assessment (ESA) of property located at Vacant land with parcel ID: 0612-201-05, Twentynine Palms, San Bernardino County, California 92277 (the Subject Property). The protocol used for this assessment is in general conformance with ASTM Standard E1527-13, Standard Practice for Environmental Site Assessments: Phase I ESA Process.

On July 24, 2020, Ms. Alexis Ceballos, a Site Inspector with RSB, conducted a site reconnaissance to assess the possible presence of petroleum products and hazardous materials at the Subject Property. RSB's investigation included a review of aerial photographs, a reconnaissance of adjacent properties, background research and a review of available local, State and Federal regulatory records regarding the presence of petroleum products and/or hazardous materials at the Subject Property.

RSB contracted Ecolog Environmental Risk Information Services Ltd. (ERIS) to perform a computer database search for local, State and Federal regulatory records pertaining to environmental concerns for the Subject Property and properties near the Subject Property (refer to Regulatory Records).

1.1 Purpose

The purpose of the ESA is to identify Recognized Environmental Conditions (RECs), Controlled Recognized Environmental Conditions (CRECs) and Historical Recognized Environmental Conditions (HRECs) and de minimis conditions as defined by ASTM E1527-13.

The term REC is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

The term CREC is defined as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

The term HREC is defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the Subject Property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

The term de minimis condition is defined as a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not RECs or CRECs."

The term Business Environmental Risk (BER) is defined as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated as defined by ASTM.

This Phase I ESA was also performed to permit the User to satisfy one of the requirements to qualify

for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the landowner liability protections, or "LLPs"). ASTM Standard E1527-13 constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice as defined at 42 U.S.C. §9601(35) (B). RSB understands that the findings of this study will be used by the Client to evaluate a pending financial transaction in connection with the Subject Property.

1.2 Scope of Work

The scope of work for this Phase I ESA is in general accordance with the requirements of ASTM Standard E1527-13. RSB warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting a Phase I ESA of a property for the purpose of identifying RECs. No other warranties are implied or expressed.

Additionally, RSB addressed certain ASTM non-scope considerations. These non-scope considerations include asbestos-containing materials (ACM), radon, lead-based paint (LBP), microbial growth, drinking water quality, flood zones, and wetlands.

2.0 SITE DESCRIPTION

2.1 Ownership and Location

According to the San Bernardino County Assessor's Office, the Subject Property is currently owned by Proactive Properties.

The Subject Property is located at Vacant land with parcel ID: 0612-201-05, Twentynine Palms, San Bernardino County, California 92277. The Subject Property includes one (1) rectangular shaped parcel, identified by the San Bernardino County Assessor's Office as 0612-201-05 totaling approximately 160 acres. The Subject Property is located approximately 1296 feet on the northwest of intersection of 2 Mile Road and Sunrise Road. Figure 1 - Location Map depicts the location of the Subject Property. Figure 2 - Site Plan depicts the configuration of the Subject Property and adjoining properties.

2.2 Subject Property Improvements and Current Use

The Subject Property is currently a vacant land.

2.3 Surrounding Properties

Property use in the vicinity of the Subject Property is primarily characterized by residential and undeveloped properties. No visual evidence of adverse environmental conditions was observed during the survey of the adjoining properties. The following table outlines the findings of adjoining properties to the site.

Surrounding Property	
Direction	**Adjoining Site**
North	Undeveloped land (Address not available)
East	Undeveloped land (Address not available)
West	Undeveloped land (Address not available)
South	2 Miles Road followed by residential properties (5710 Noels Knoll Road, 5781 Easy Street)

3.0 INTERVIEWS, RECORDS AND MUNICIPAL INFORMATION

3.1 User Provided Information

Pursuant to ASTM Standard E1527-13, it is the responsibility of the User, the Owner of the Property, and the Property Owners designated Contact to ensure compliance with the All Appropriate Inquiry (AAI); innocent land owner defense. As such, RSB requested Property information from the User, the Property Owner, and the Property Owners designated Contact in the form of a Phase I ESA Questionnaire. Failure to provide the requested information may be considered a data gap. A completed Pre-Survey Questionnaire was not returned to RSB.

User Provided Information		
Database	**Records Identified**	**Findings**
Title Records	No	The User did not provide RSB with any recorded land title records or lien records, filed under federal, tribal, state, or local law, for review.
Environmental Liens or Activity and Use Limitation	No	The User was not aware of any environmental liens associated with the Subject Property. In addition, the User had no knowledge of any use or activity limitations.
Specialized Knowledge	No	The User did not inform RSB of any specialized knowledge of the Subject Property that would re-late to the presence of RECs, in connection with the Subject Property or indicate that they were aware of any commonly known or reasonably ascertainable information within the local community about the Subject Property that is material to RECs in connection with the Subject Property.
Commonly Known or Reasonably Ascertainable Information	No	The User was not aware of any environmental conditions associated with the Subject Property.
Valuation Reduction for Environmental Issues	No	The User was not aware of any valuation reductions associated with the Subject Property.
Owner, Property Manager and Occupant Information	Yes	According to the San Bernardino County Assessor's Office, the APN for the Subject Property is 0612-201-05. The Subject Property is currently owned by Proactive Properties. The Subject Property is currently a vacant land.

3.2 Reason for Performing Phase I ESA

The purpose of this Phase I ESA is to identify existing or potential RECs, CRECs, and/or HRECs in connection with the Subject Property. An REC, CREC, and HREC are defined under ASTM Standard E1527-13.

This Phase I ESA was also performed to permit the User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "landowner liability protections," or "LLPs"). ASTM Standard E1527-13 constitutes all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice as defined at 42 U.S.C. §9601(35) (B). RSB understands that the findings of this study will be used by the Client to evaluate a pending financial transaction in connection with the Property.

3.3 Interview

The following persons were interviewed to obtain information regarding recognized environmental conditions in connection with the Subject Property. Additionally, a Pre-Survey Questionnaire was forwarded to the designated Subject Property contact. The Pre-Survey Questionnaire has not been completed and returned to our offices. The information requested in the Pre-Survey Questionnaire is intended to assist in gathering information that may be material to identifying recognized environmental conditions in connection with the Subject Property. The accompanying documentation is presented in Other Supporting Documentation Appendix.

Interviews		
Contact	**Interview Date**	**Pertinent Information or Comments**
Mr. Peter Bobro	July 24, 2020	Mr. Peter Bobro was interviewed during site reconnaissance and provided general information regarding the Subject Property. Mr. Peter Bobro was not aware of any environmental concerns on the Subject Property.
Pertinent information from the interviews is presented in applicable sections of this report.		

4.0 ENVIRONMENTAL RECORDS

4.1 Standard Environmental Record Sources

Information from standard Federal and state environmental record sources was provided through Ecolog Environmental Risk Information Services Ltd. (ERIS). Data from governmental agency lists are updated and integrated into one database, which is updated as data is released. This integrated database also contains postal service data in order to enhance matchings for the Subject Property. Records from one government source are compared to records from another to clarify any ambiguities for the Subject Property. The demographic and geographic information available provides assistance in identifying and managing risk. The accuracy of the geocoded locations is approximately +/-300 feet.

In some cases, location information supplied by the regulatory agencies is insufficient to allow the database companies to geocode facility locations. These facilities are listed under the Orphans section within the ERIS report. According to the ERIS report, three (3) orphan facilities were identified.

In addition, as recommended by ASTM Standard E1527-13, the standard Federal, State, and Tribal Environmental Record sources within the ERIS report were utilized to identify potential on-site and/or off-site RECs, CRECs, and HRECs. If identified, the relative listed REC(s), CREC(s), and/or HREC(s) is discussed below. A copy of the ERIS Report has been included in Regulatory Records Appendix of this report.

Regulatory Records Review

Standard Environmental Record Sources	Approximate Minimum Search Distance Per ASTM (mi)	Subject Property	Off-Site Properties
Federal CERCLIS	0.5	0	0
Federal CERCLIS NFRAP	0.5	0	0
Federal Delisted NPL	0.5	0	0
Federal ERNS	Property Only	0	0
Federal IC/EC	0.25	0	0
Federal NPDES	0.5	0	0
Federal NPL	1	0	0
Federal RCRA CORRACTS	1	0	0
Federal RCRA Generators	Property and Adjoining	0	0
Federal RCRA non-CORRACTS TSD	0.5	0	0
State and Tribal Brownfield Sites	0.5	0	0

Standard Environmental Record Sources	Approximate Minimum Search Distance Per ASTM (mi)	Subject Property	Off-Site Properties
State and Tribal Hazardous Waste Sites (CERLCIS Equivalent)	0.5	0	0
State and Tribal Hazardous Waste Sites (NPL Equivalent)	0.5	0	0
State and Tribal Landfill and/or Solid Waste Disposal Sites	0.5	0	0
State and Tribal Leaking Tanks	0.5	0	0
State and Tribal Registered UST and AST	Property and Adjoining	0	0
State and Tribal Voluntary Cleanup	0.5	0	0
Additional Environmental Records	Property and Adjoining	0	0

4.1.1 Subject Property

There were no listings identified in environmental database searched for the Subject Property.

4.1.2 Surrounding Properties

There were no listings identified in environmental database searched for the surrounding properties.

Unplottable Sites

The environmental records search sometimes includes a list of "unplottable" or "orphan" sites which may or may not be located within the minimum search distances. Three (3) sites were listed but it does not appear to be the subject property or adjacent properties.

4.2 Environmental Record from Government Agencies

In addition, to the information requested and discussed from the agencies listed below, RSB also requested information on the presence of activity and use limitations (AULs) on the Property from these agencies. As defined by ASTM Standard E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the Property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may

include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the Subject Property.

Agency Contacted	Date of Information Request
California Environmental Protection Agency	July 24, 2020
San Bernardino County - Public Information Office	July 24, 2020

As a part of this assessment, Freedom of Information Act (FOIA) request was submitted to local and state municipal agencies to obtain historical records, property use or any open violations regarding the subject property. As of July 28, 2020, RSB has not received a response to this inquiry. Upon receipt of the agency response, if the provided information has a material effect on the findings of this report, RSB will forward this information as an addendum to this report. If no response is received, or no material information is identified, our report will not be modified.

4.3 Physical Setting Sources

4.3.1 Topography

The United States Geological Survey (USGS), Twentynine Palms, CA Quadrangle 7.5-minute series topographic map was reviewed for this ESA. This map was published by the USGS in 2018. Based on a review of the topographic map, the Subject Property is located approximately 2227 feet above mean sea level (MSL). The contour lines also indicate that the Subject Property is sloping towards east-northeast.

4.3.2 Soils/Geology

According to the Soil Survey of San Bernardino County, California provided by the United States Department of Agriculture (USDA), Natural Resource Conservation Service (NRCS) at their website: www.websoilsurvey.nrcs.usda.gov. The soils beneath the Subject Property is composed following soils:

Digital data not available

The geology of the Subject Property is summarized in the following table:

Source	Geology
ERIS Physical Setting Report	Based on USGS information, the geology consists of Quaternary alluvium and marine deposits from Pliocene to Holocene era. Primary rock type is alluvium and secondary rock type is terrace.

4.3.3 Hydrology

Information specific to the Subject Property regarding the depth to groundwater and direction of groundwater flow was not readily available for the Subject Property. According to information obtained from the Soil Survey of San Bernardino County, California, USDA, NRCS website: www.websoilsurvey.nrcs.usda.gov, the depth to the high groundwater table is estimated to be greater than 6 feet below the ground surface. In addition, based on local topography, groundwater in the general vicinity of the Subject Property is inferred to flow radially towards east-northeast.

The nearest surface water body is Salton Sea located approximately 47.3-miles to the south from the Subject Property.

According to available information, the City of Twentynine Palms serves the Subject Property and/or vicinity. The Subject Property does not utilize the groundwater directly beneath the Property for domestic purposes.

4.3.4 Wetlands

A riverine (R4SBJ) wetland was identified passing from the southwestern portion towards the northeastern portion of the subject property on the U.S. Department of the Interior, Fish & Wildlife Service's National Wetland Inventory (NWI) Map (available online at https://www.fws.gov/wetlands/data/Mapper). It should be noted that the wetland determination is based the analysis of high-altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis. Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. (Wetland map is available in Appendix E).

4.3.5 Flood Zone Information

A review of a Flood Insurance Rate Map, published by the Federal Emergency Management Agency, was performed. According to Panel Number 06071C8190J dated September 2, 2016, the Subject Property appears to be located within Flood Zone "X Unshaded". Flood zone X Unshaded, defined as areas of minimal flood hazard.

4.3.6 Oil and Gas Exploration

According to the National Pipeline Mapping System (NPMS), no oil and gas pipelines or wells are located on the Subject Property and adjoining properties.

5.0 HISTORICAL INFORMATION

RSB attempted to develop a history of the previous uses of the Subject Property and surrounding area in order to help identify the likelihood of past uses having led to RECs in connection with the Subject Property. Efforts were made to identify the uses of the Subject Property back to the Subject Property's first use, or back to 1940, whichever is earlier.

The following sections summarize the findings of RSB's historical research.

5.1 Historical Research

The following table outlines decades of historical data reviewed as part of this assessment:

Historical Research	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	NA
Aerial Photographs				✔	✔		✔	✔	✔	✔	✔	
Historical Topographic Maps					✔	✔	✔		✔		✔	
Sanbon Fire Insurance Maps												✔
City Directories												✔
Prior Assessment Reports												✔

5.2 Aerial Photographs

Available aerial photographs dated 1948, 1953, 1970, 1983, 1994, 2005, 2010, 2012 and 2018 obtained from Ecolog Environmental Risk Information Services Ltd. (ERIS). The photographs are discussed below:

Aerial Photographs - Subject Property	
Year(s)	**Property Description**
1948, 1953, 1970, 1983, 1994, 2005, 2010, 2012, 2018	Undeveloped land depicted.

Aerial Photographs - Surrounding Areas				
Year(s)	**North**	**East**	**West**	**South**
1948	Undeveloped land depicted.	Undeveloped land depicted.	Undeveloped land depicted.	Undeveloped land across roadway depicted.
1953, 1970, 1983	Undeveloped land depicted.	Undeveloped land depicted.	Undeveloped land depicted.	Undeveloped land across roadway depicted.
1994	Undeveloped land depicted.	Undeveloped land depicted.	Undeveloped land depicted.	Building structure depicted across roadway
2005, 2010, 2012, 2018	Undeveloped land depicted.	Undeveloped land depicted.	Undeveloped land depicted.	Existing development depicted

5.3 Historical Topographic Maps

The United States Geological Survey (USGS), Twentynine Palms, CA Quadrangle 7.5-minute series topographic maps were reviewed for this ESA. The topographic maps were published by the USGS in 1956, 1961, 1964, 1966, 1973, 1975, 1994, 2012 2015 and 2018 obtained from historicalaerials.com. The maps are discussed below:

Topographic Maps - Subject Property	
Year(s)	**Property Description**
1956, 1961, 1964, 1966, 1973, 1975, 1994, 2012 2015	Intermittent stream depicted
2018	No structure depicted

Topographic Maps - Surrounding Areas				
Year(s)	**North**	**East**	**West**	**South**
1956, 1961, 1964, 1966, 1973, 1975, 1994, 2012 2015	Intermittent stream depicted	Intermittent stream depicted	Intermittent stream depicted	No structure depicted across roadway
2018	No structure depicted	No structure depicted	No structure depicted	No structure depicted across roadway

5.4 Sanborn Fire Insurance Maps

Sanborn Maps were originally created for assessing fire insurance liability in urbanized areas throughout the United States. The maps include detailed records regarding town and building information in approximately 12,000 U.S. towns and cities from 1867 to 1970 and have become a valuable tool for historical researchers. From an environmental standpoint, the map collection is a useful aid in documenting historical property developments of environmental concern such as dry-cleaning facilities,

gas stations, manufacturing plants, etc.

RSB reviewed the collection of Sanborn Fire insurance maps from Ecolog Environmental Risk Information Services Ltd. (ERIS) on July 23, 2020. Sanborn map coverage was not available for the Subject Property. A copy Sanborn Fire insurance maps is provided in Historical Research Documentation.

5.5 Prior Assessment Reports

RSB was not provided with prior assessment reports.

5.6 Historical Use Summary

Historical Use Summary
Based on available historical information, Subject Property has been an undeveloped land at least from 1948 till present.

6.0 SUBJECT PROPERTY RECONNAISSANCE

6.1 Methodology and Limiting Conditions

The Subject Property reconnaissance was conducted by Ms. Alexis Ceballos, RSB Site Inspector, on July 24, 2020. The weather at the time of the Property visit was Sunny, 96 Degree Fahrenheit.

The Subject Property reconnaissance consisted of visual and/or physical observations of the Subject Property and improvements, adjoining properties as viewed from the Subject Property boundaries, and the surrounding area based on visual observations made from adjacent public thorough-fares. Building exteriors were observed along the perimeter from the ground, unless described otherwise. Building interiors were observed as they were made safely accessible, unless described otherwise.

6.2 Subject Property Reconnaissance

6.2.1 Subject Property Reconnaissance

Observation	Yes	No
Hazardous Substance and Petroleum Products in Connection with Identified Uses		✔
Hazardous Substance and Petroleum Products in Connection with Unidentified Uses		✔
Drums and Containers of Unidentified Substance or Petroleum Products		✔
Aboveground and Underground Storage Tanks		✔
Strong, Pungent or Noxious Odors		✔
Pools of Liquids		✔
Electrical or Hydraulic Equipment likely to Contain Fluids		✔
Heating and Cooling Source		✔
Interior Stains or Corrosion other than from Water		✔
Floor Drains, Sumps, Clarifiers and Oil/Water Separators		✔
Pits, Ponds and Lagoons		✔
Exterior Stained Soils or Pavement		✔
Stressed Vegetation		✔
Onsite Solid Waste Disposal or Unknown Fill		✔
Wastewater		✔
Wells		✔
Septic Systems and Cesspools		✔

6.3 Surrounding Property Reconnaissance

6.3.1 Surrounding Property Reconnaissance

Observation	Yes	No
Hazardous Substance and Petroleum Products in Connection with Identified Uses		✔
Hazardous Substance and Petroleum Products in Connection with Unidentified Uses		✔
Drums and Containers of Unidentified Substance or Petroleum Products		✔
Aboveground and Underground Storage Tanks		✔
Strong, Pungent or Noxious Odors		✔
Pools of Liquids		✔
Electrical or Hydraulic Equipment likely to Contain Fluids		✔
Heating and Cooling Source		✔
Interior Stains or Corrosion other than from Water		✔
Floor Drains, Sumps, Clarifiers and Oil/Water Separators		✔
Pits, Ponds and Lagoons		✔
Exterior Stained Soils or Pavement		✔
Stressed Vegetation		✔
Onsite Solid Waste Disposal or Unknown Fill		✔
Wastewater		✔
Wells		✔
Septic Systems and Cesspools		✔

7.0 FINDINGS, CONCLUSION AND RECOMMENDATIONS

7.1 Findings and Conclusions

Findings and Conclusions

RSB has performed a Phase I ESA in general conformance with the scope and limitations of ASTM Standard E1527-13 for the Property located at Vacant land with parcel ID: 0612-201-05, Twentynine Palms, San Bernardino County, California 92277, the Subject Property. Any exceptions to or deletions from this practice are described in Section 10.0 of this report. In addition, as by the ASTM Standard E1527-13 definitions (Section 1.1 & 3.2) for a REC, a CREC, a HREC and Non-ASTM scope items, this assessment has revealed the following concerns in connection with the Subject Property:

- A riverine (R4SBJ) wetland was identified passing from the southwestern portion towards the northeastern portion of the subject property on the U.S. Department of the Interior, Fish & Wildlife Service's National Wetland Inventory (NWI) Map (available online at https://www.fws.gov/wetlands/data/Mapper). It should be noted that the wetland determination is based the analysis of high-altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis. Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. (Wetland map is available in Appendix E).

De Minimis Environmental Conditions

- RSB did not identify *de minimis* environmental conditions in connection with the Subject Property.

7.2 Recommendations

Recommendations

Based on the conclusions, RSB recommends the following:

- Due to the presence of potential wetlands on the Subject Property, RSB recommends that a formal wetlands determination be conducted to determine whether or not this area would be considered a jurisdictional wetland prior to undertaking any development activities likely to impact the area.

8.0 REFERENCES

- American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13
- Environmental Risk Information Services (ERIS), Database Report, ERIS ID 20200723068 dated July 23, 2020.
- Environmental Risk Information Services (ERIS), Physical Setting Report, ERIS ID 20200723068p dated July 23, 2020.
- Environmental Risk Information Services (ERIS), Fire Insurance Maps, ERIS ID 20200723068 dated July 23, 2020.
- Environmental Risk Information Services (ERIS), Historical Aerials, ERIS ID 20200723068 dated July 24, 2020.
- Federal Emergency. Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, Community Panel Number 06071C8190J dated September 2, 2016.
- USGS - 7.5-Minute Topographic Quadrangle of Twentynine Palms, CA.

9.0 ASSUMPTIONS, LIMITATIONS AND EXCEPTIONS

9.1 Significant Assumptions

RSB assumes the Subject Property has been correctly identified by the User, designated representative of the User, Subject Property owner or operator, and/or the designated representative of the Subject Property owner or operator. RSB assumes that the User, designated representative of the User, Subject Property owner or operator, and/or the designated representative of the Subject Property owner or operator used good faith in answering questions about and providing information for the Subject Property.

RSB assumes the direction of groundwater is consistent with the contours depicted on the United States Geological Survey (USGS) topographic map covering the Subject Property, unless otherwise specified by actual well data for the Subject Property or properties in the area, or RSB's experience and knowledge of the area.

9.2 Limitations and Exceptions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM Standard E1527-13. Specific limitations and exceptions to this ESA are more specifically set forth below:

- RSB only accessed the accessible areas of the Subject Property.
- RSB was unable to obtain the historical records of the Subject Property prior to at least 1940. The earliest historical record obtained, was from year 1948 which identifies the Subject Property as vacant land. This lack of information is considered as data gap. However, based on the available historic information this data gap is not expected to alter the findings of this assessment.
- The scope of work completed was designed solely to meet the needs of RSB's Client. RSB shall not be liable for any unintended usage of this report by another party. Additionally, based on the ASTM Standard Practice, the ESA is only valid if completed within 180 days of an acquisition or the transaction necessitating the ESA, unless updated in accordance with terms outlined within the Standard Practice.
- No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a Subject Property. This ESA was designed to reduce but not eliminate uncertainty regarding the existence of such conditions in a manner that recognizes reasonable limits of time and cost. RSB has completed this ESA in accordance with generally accepted consulting practices, and makes no other warranties, either expressed or implied, as to the character and nature of such services or product.
- An ESA is intended to be a non-intrusive investigation and generally does not include sampling or testing of air, soil, water, or building materials. No destructive testing was completed and concealed areas, such as behind walls or within machinery, were not accessed.
- Information needed to complete the ESA is based on personal interviews, government records, published resources, and various historical documents. Accuracy and completeness of information varies among information sources and is often inaccurate or incomplete. An environmental professional is not required by the ASTM Standard Practice to verify independently the information provided but may rely on information provided unless the environmental professional has actual knowledge that certain information is incorrect or unless it is obvious that certain information is incorrect based on other information obtained by or otherwise actually known to the environmental professional.

- RSB shall have no on-going obligation to obtain and include information that was not reasonably ascertainable, practically reviewable, or provided to RSB in a reasonable timeframe to formulate an opinion and complete the assessment by the agreed upon due date.
- An ESA includes some information that may be relevant to regulatory compliance but is not intended and shall not be construed as a compliance audit and cannot be considered a verification of regulatory compliance. Depending on its past, present or future intended use, the Subject Property under review may or may not be subject to regulation and permitting under environmental and health and safety laws, such as, but not limited to, the Clean Air Act, the Clean Water Act, the Solid Waste Disposal Act, the Occupational Safety and Health Act, and other federal, state and local regulations. RSB assumes no responsibility or liability respecting regulatory permitting or compliance issues.

10.0 RELIANCE

All reports, both verbal and written, are for the benefit of E-Group SF LLC and its successors and assigns. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of RSB.

E-Group SF LLC may distribute the report to other parties without limitation; however, it is acknowledged that the report provided to third parties is for informational purposes only. RSB will issue a reliance letter if requested.

Appendix A
Figures

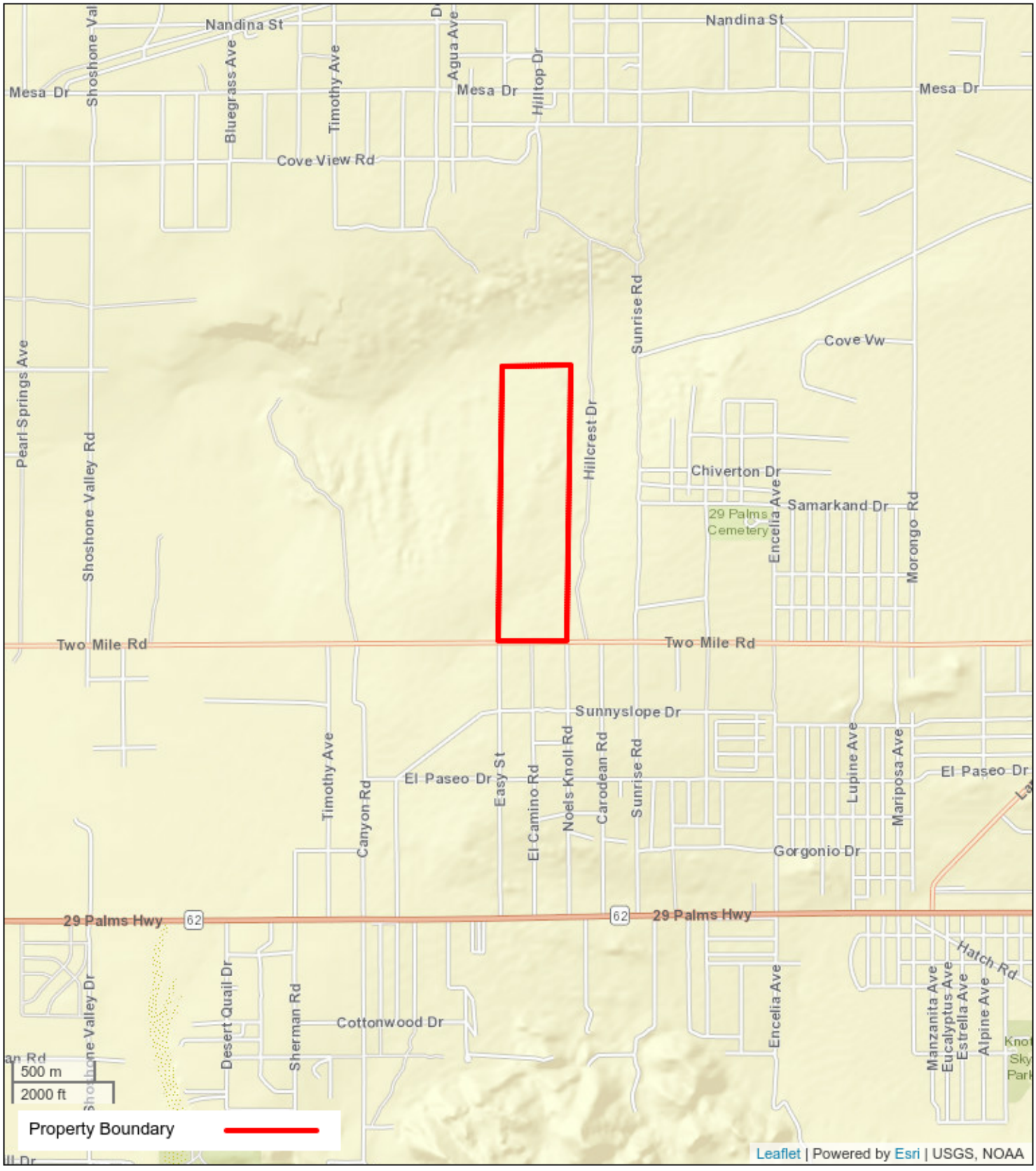


Figure 1: Property Location Map

160.3 acres of vacant land with parcel ID: 0612-201-05, Twentynine Palms, California 92277

RSB ENVIRONMENTAL

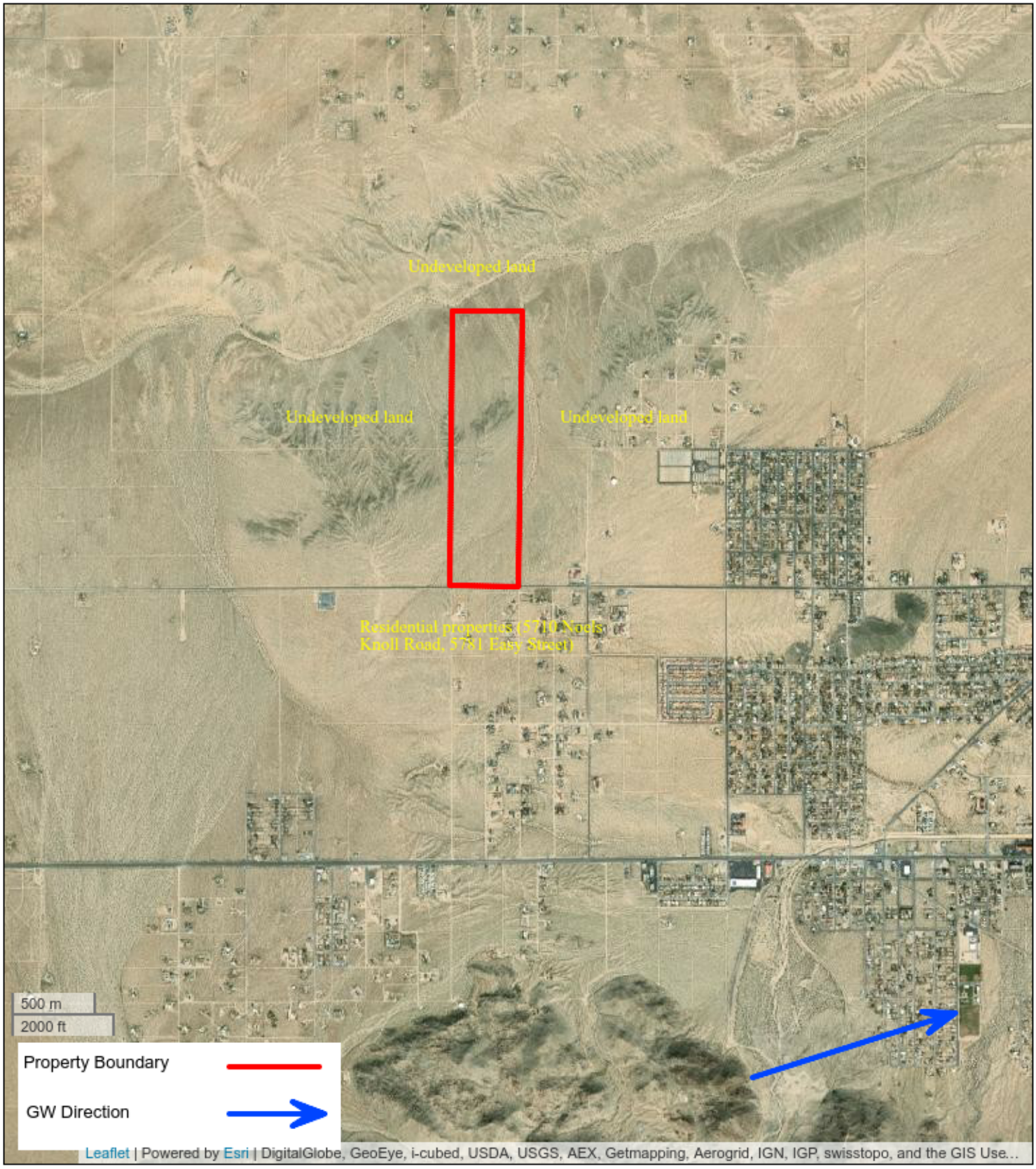


Figure 2: Site Map

160 acres of vacant land with parcel ID: 0612-201-05, Twentynine Palms, California 92277

RSB ENVIRONMENTAL

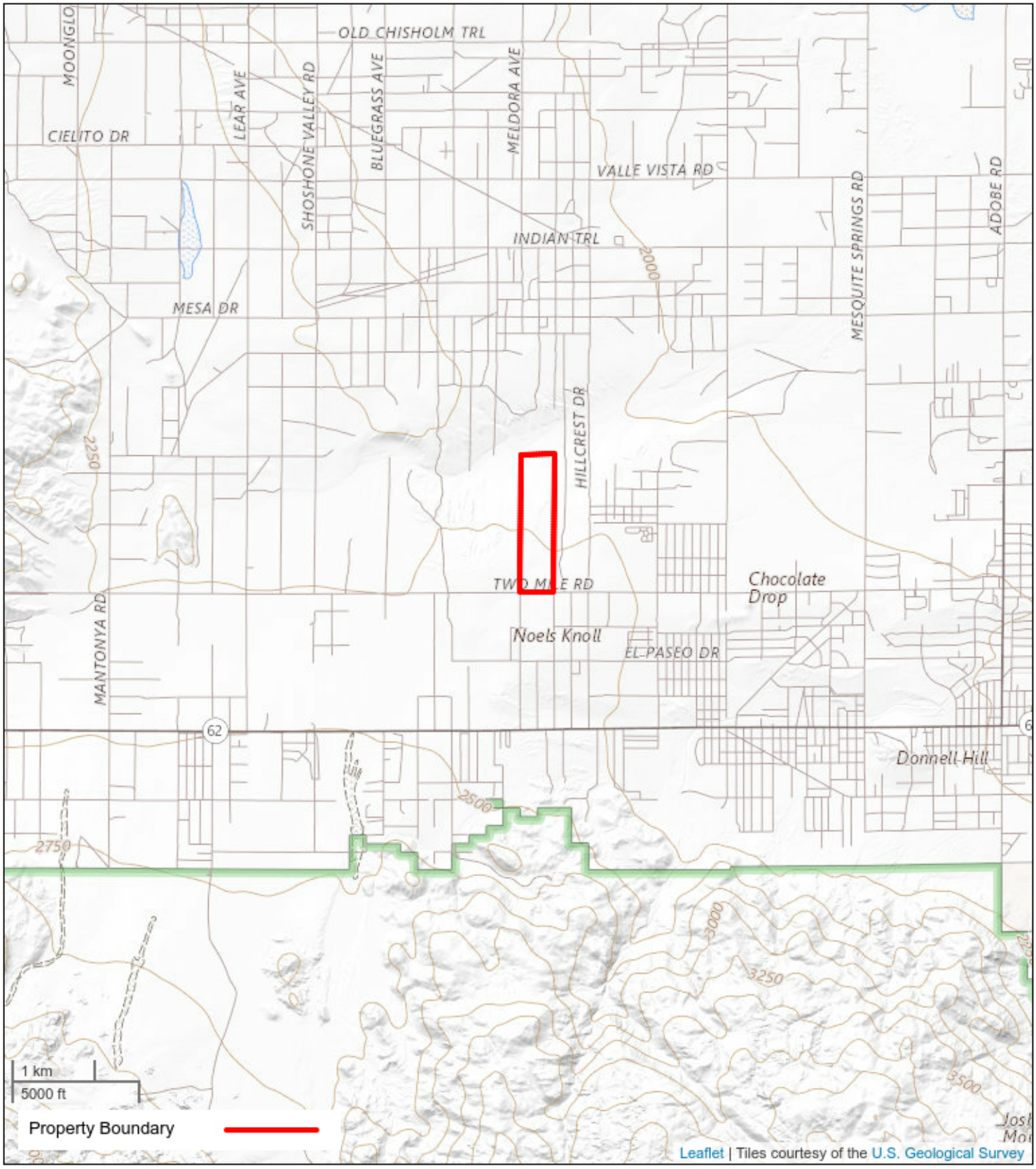


Figure 3: Topographic Map

160.3 acres of vacant land with parcel ID: 0612-201-05, Twentynine Palms, California 92277

RSB ENVIRONMENTAL

Appendix B
Property Photographs



1. View of Subject Property



2. View of Subject Property



3. View of Subject Property



4. View of Subject Property



5. View of Subject Property



6. View of Subject Property



7. 2 Mile Road



8. Plugged water well



9. Water tank



10. South adjoining property

Appendix C
Historical Research Documentation

ENVIRONMENTAL RISK INFORMATION SERVICES

FIRE INSURANCE MAPS

Project Property:	ESA_Twentynine Palms, San Bernardino County,CA n/a Twentynine Palms CA
Project No:	2007104
Requested By:	Rsb Environmental
Order No:	20200723068
Date Completed:	July 23, 2020

Please note that no information was found for your site or adjacent properties.

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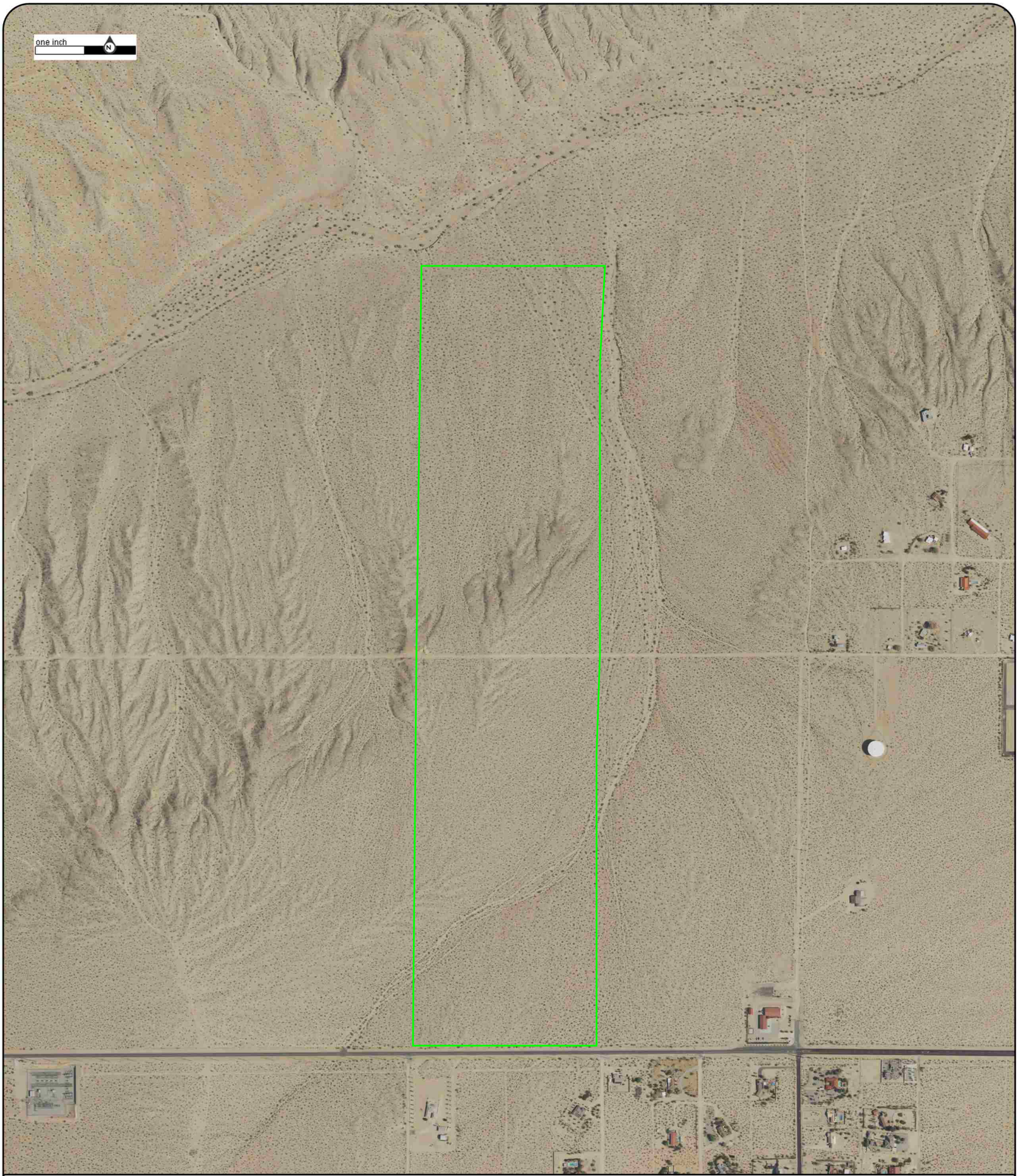
ENVIRONMENTAL RISK INFORMATION SERVICES

HISTORICAL AERIALS

Project Property:	ESA_Twentynine Palms, San Bernardino County,CA n/a Twentynine Palms CA
Requested By:	Rsb Environmental
Order No:	20200723068
Data Completed:	July 24,2020

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Date	Source	Source Scale	Comments
2018	National Agriculture Information Program	1" to 800'	
2012	National Agriculture Information Program	1" to 800'	
2010	National Agriculture Information Program	1" to 800'	
2005	National Agriculture Information Program	1" to 800'	
1994	US Geological Survey	1" to 800'	
1983	National High Altitude Photography	1" to 800'	
1970	US Geological Survey	1" to 800'	Best Copy Available
1953	Agriculture and Soil Conservation Service	1" to 800'	
1948	United States Air Force	1" to 800'	

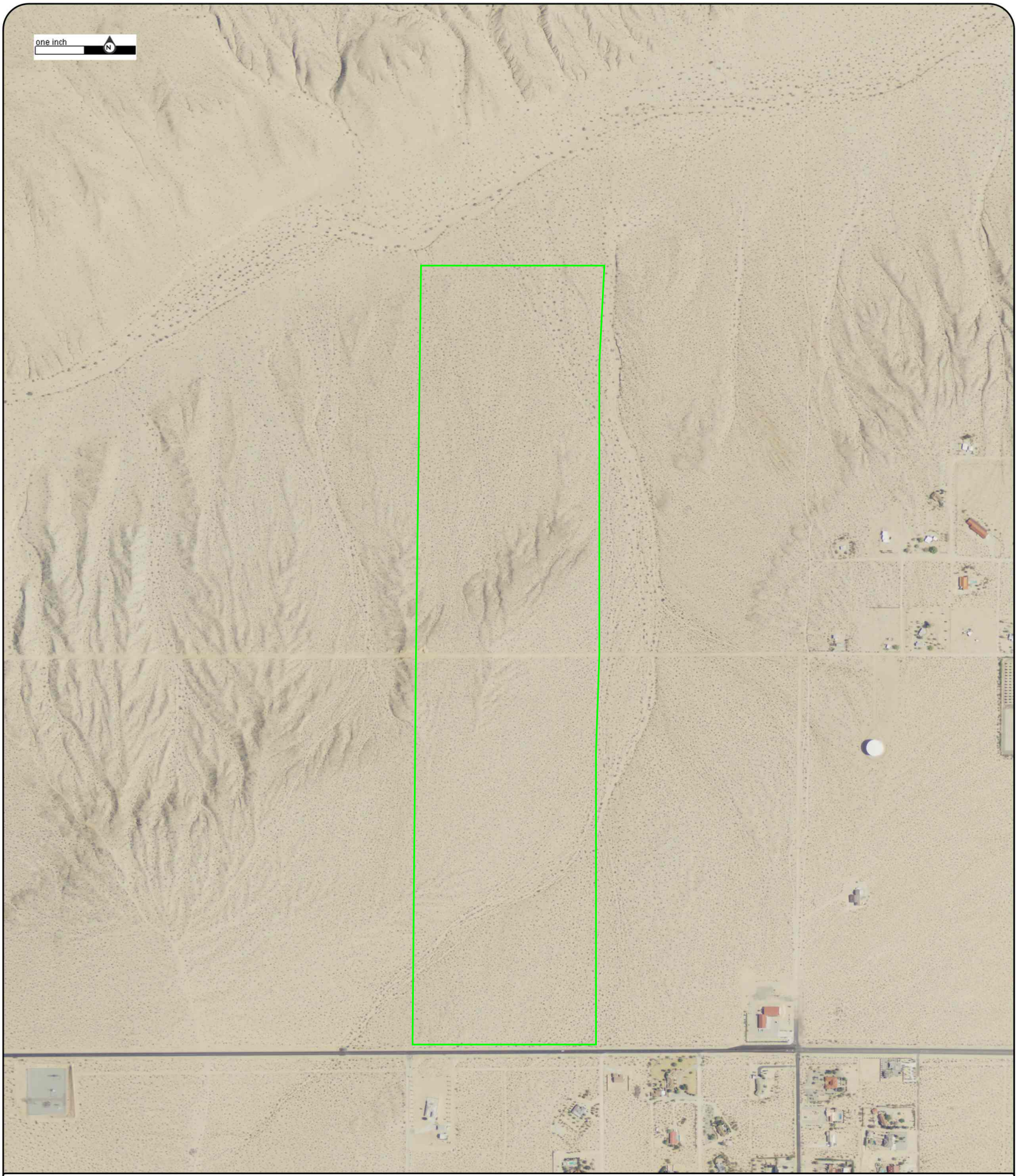


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Approx Center:34.15699534/-116.11361424

Order No:20200723068

ENVIRONMENTAL RISK INFORMATION SERVICES

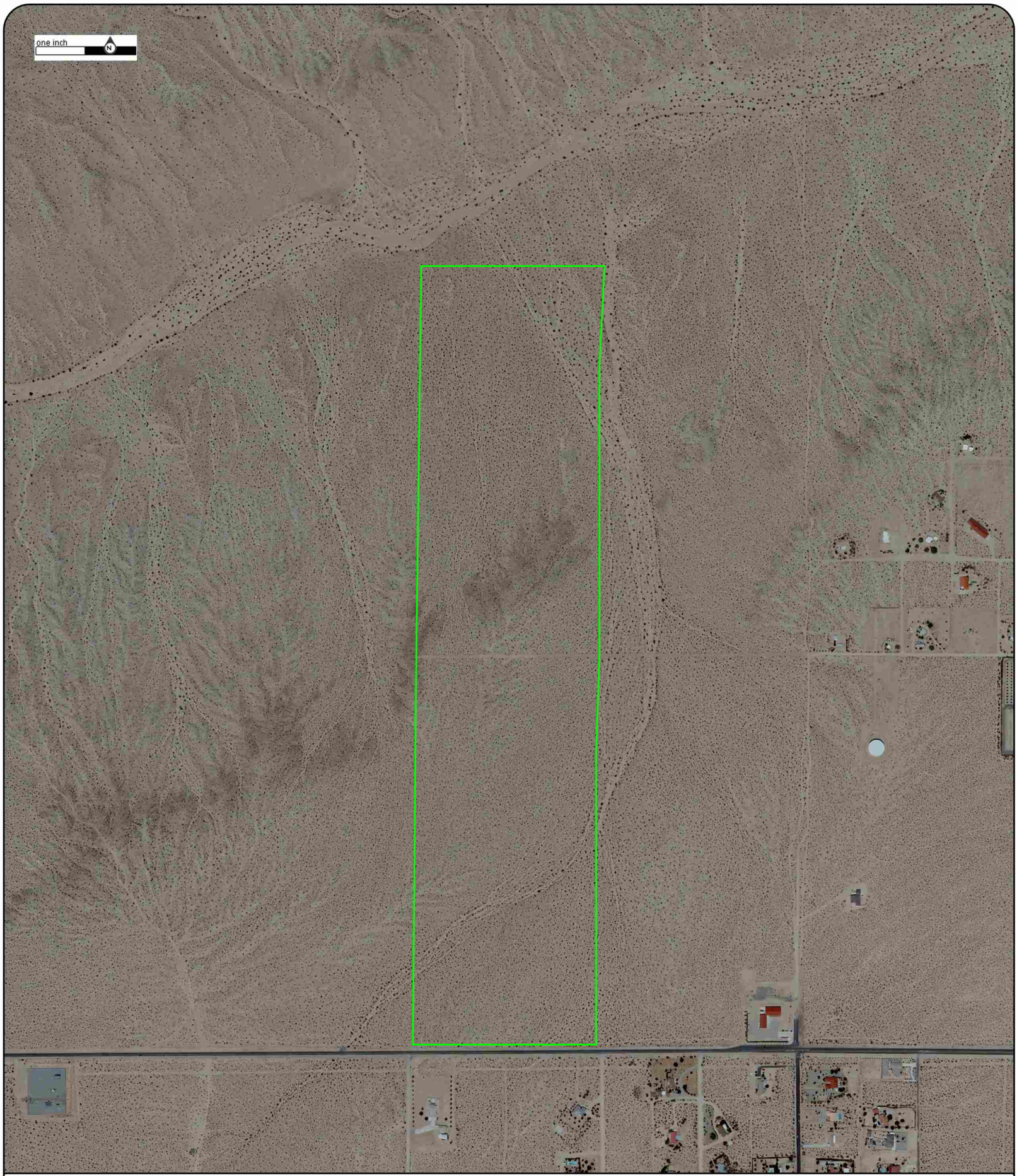


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Order No:20200723068

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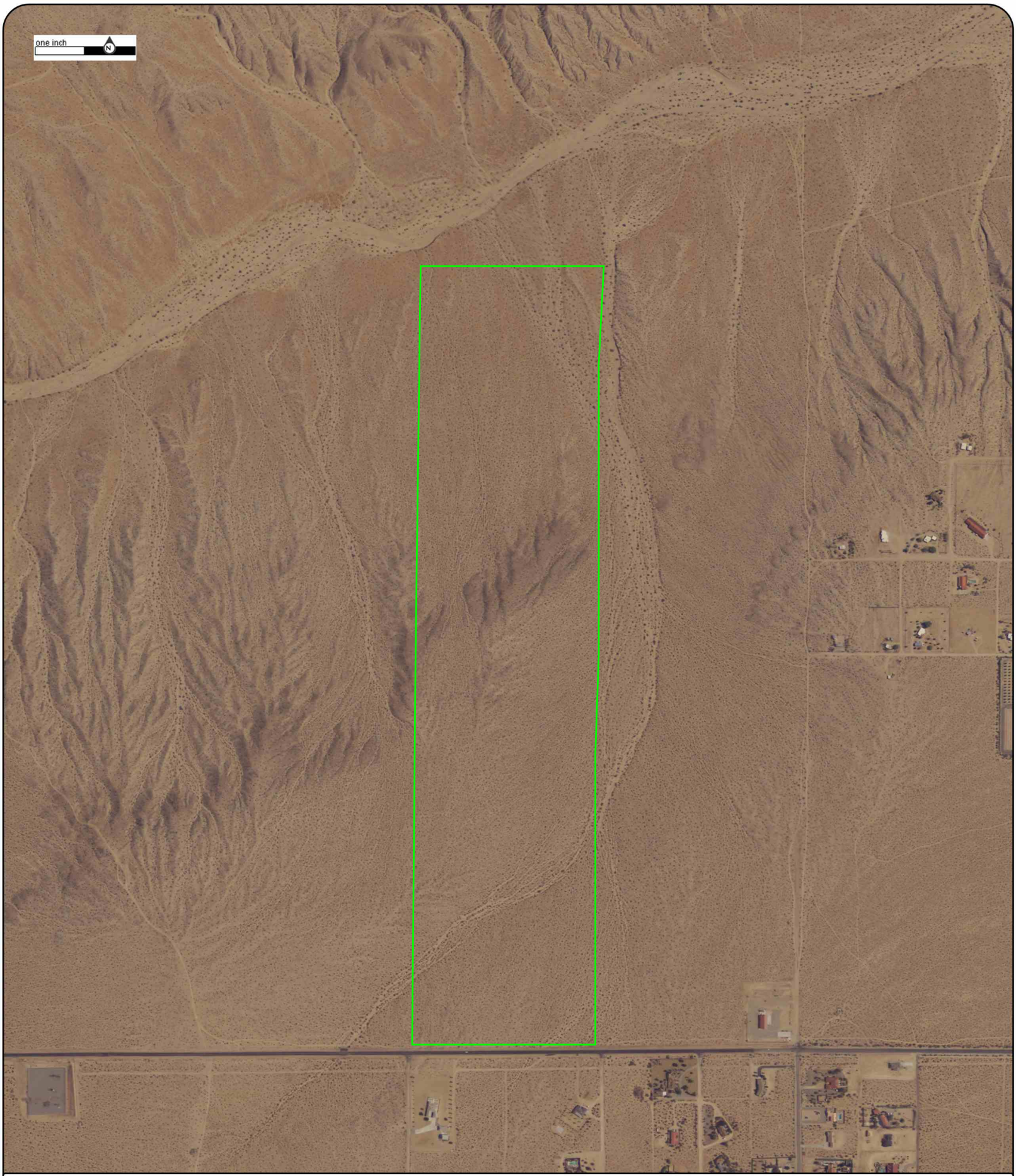


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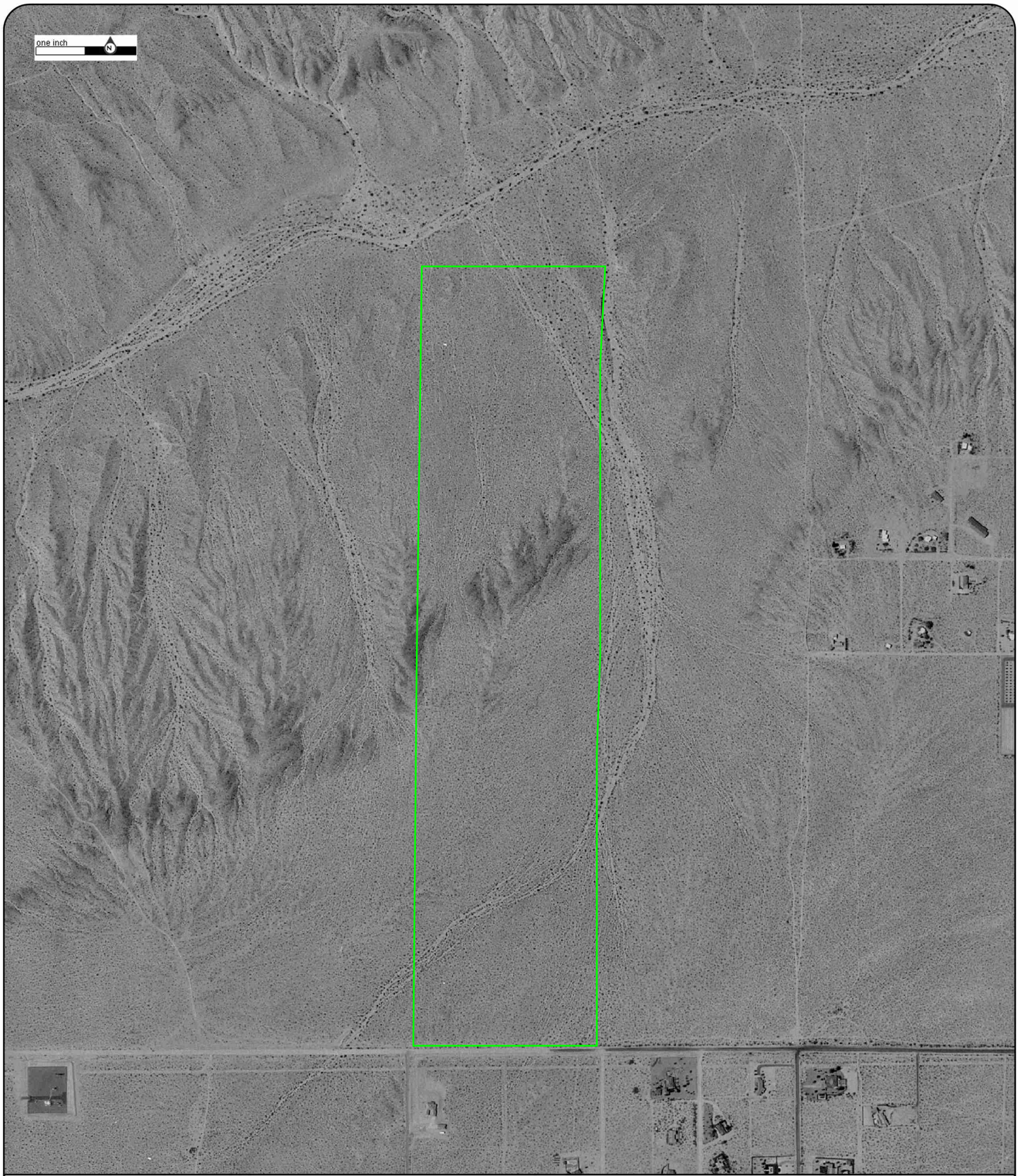


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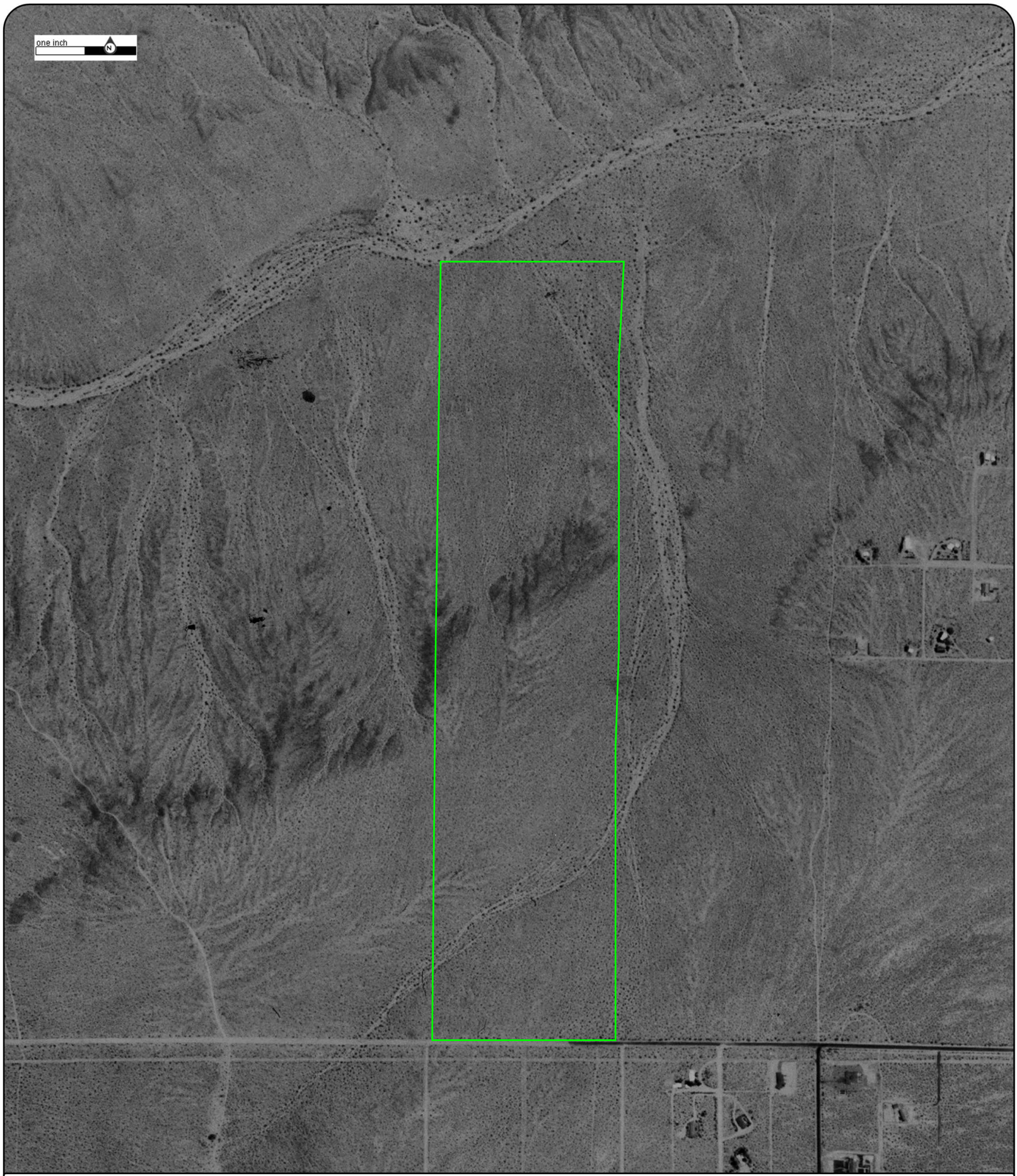


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Order No:20200723068

ENVIRONMENTAL RISK INFORMATION SERVICES



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Order No:20200723068

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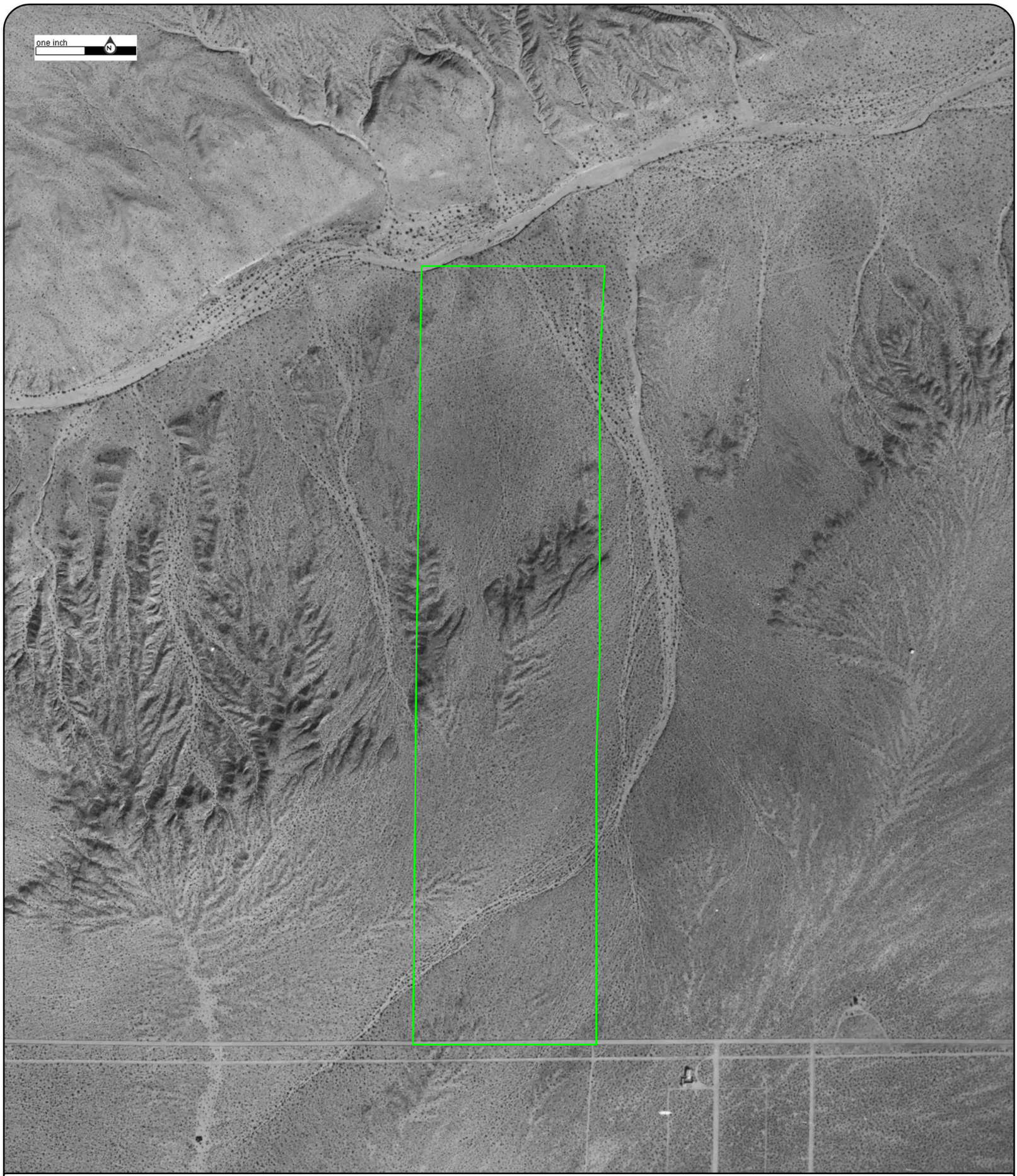


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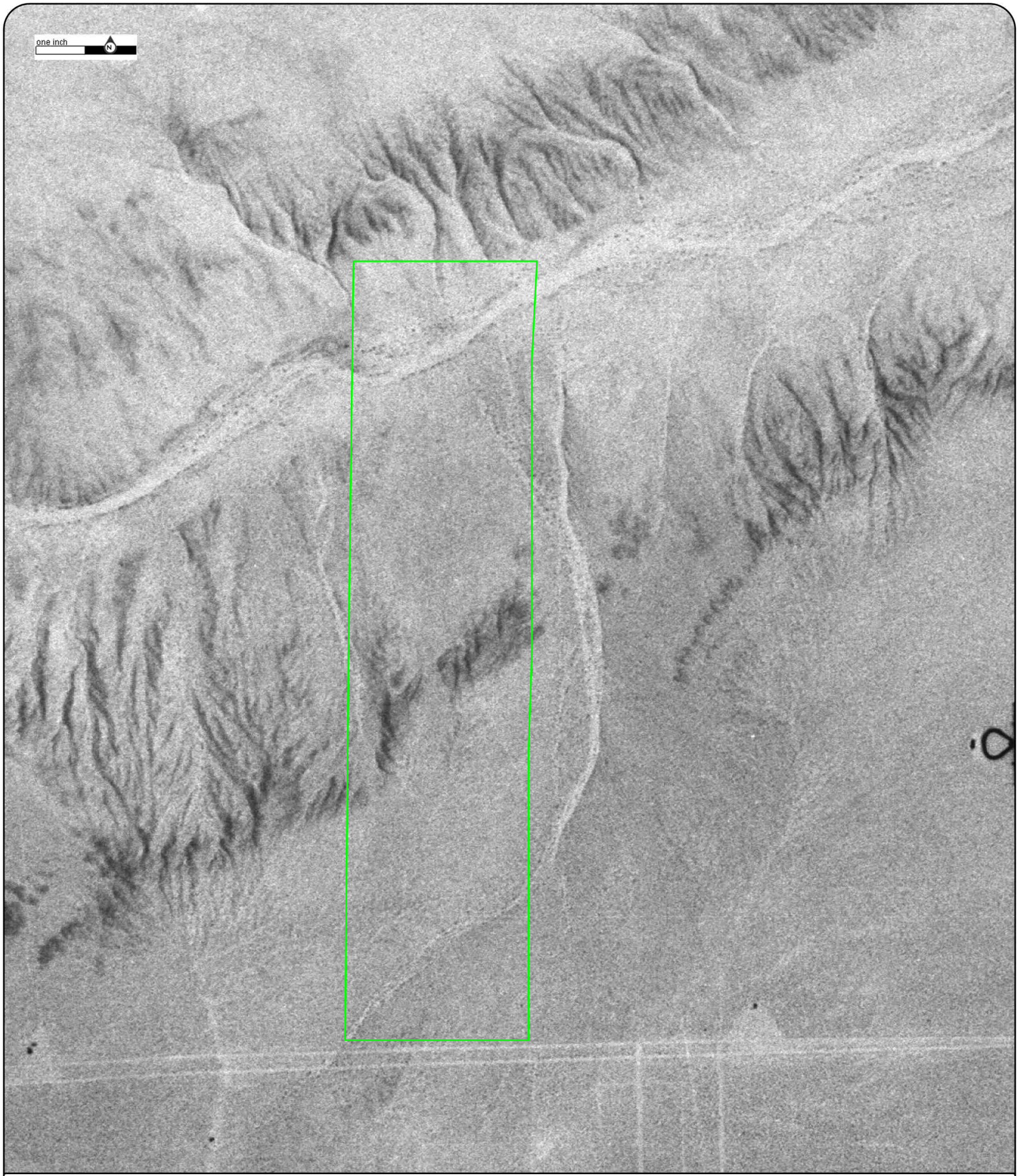


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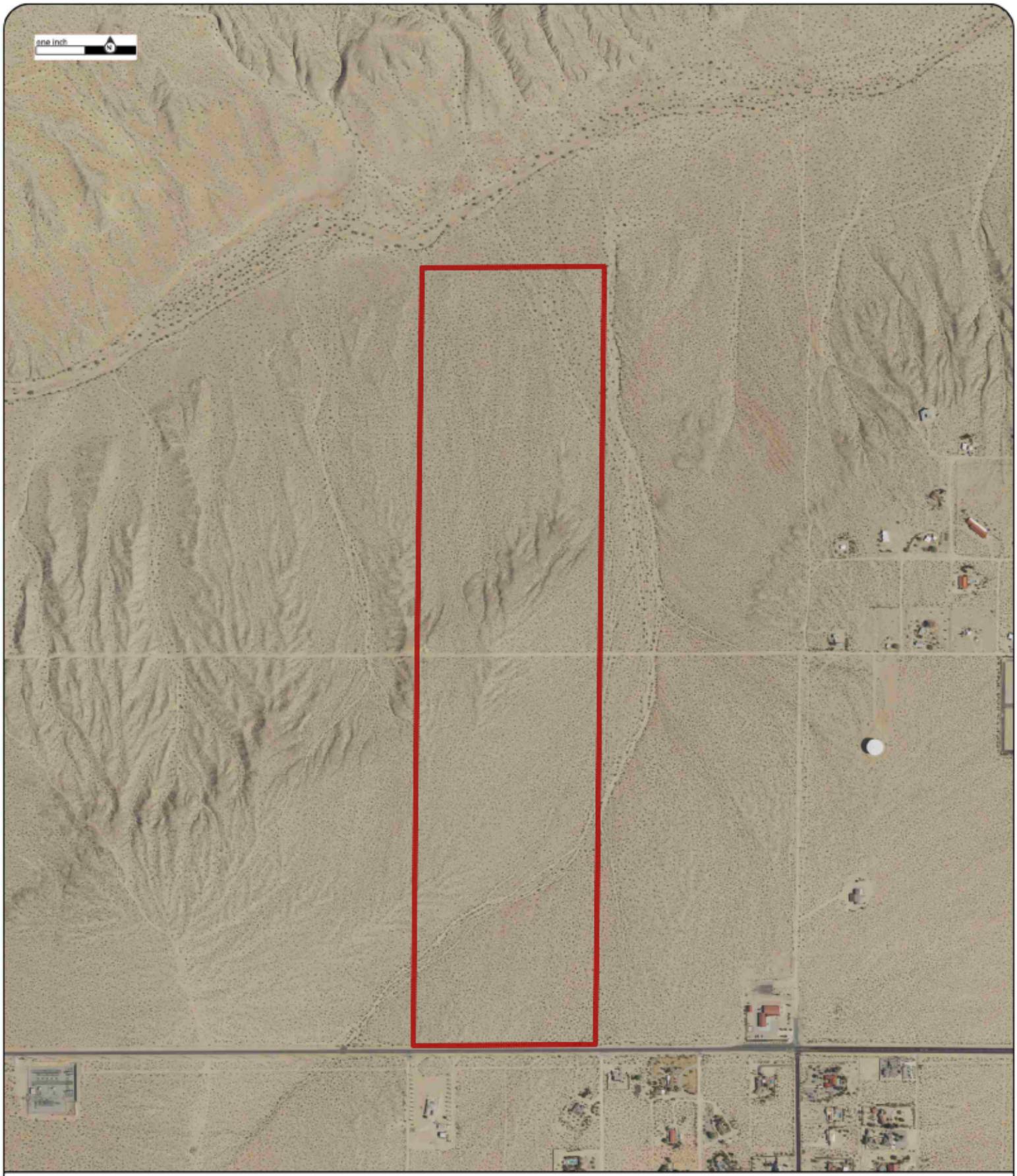
ENVIRONMENTAL RISK INFORMATION SERVICES

HISTORICAL AERIALS

Project Property:	ESA_Twentynine Palms, San Bernardino County,CA n/a Twentynine Palms CA
Requested By:	Rsb Environmental
Order No:	20200723068
Data Completed:	July 24,2020

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Date	Source	Source Scale	Comments
2018	National Agriculture Information Program	1" to 800'	
2012	National Agriculture Information Program	1" to 800'	
2010	National Agriculture Information Program	1" to 800'	
2005	National Agriculture Information Program	1" to 800'	
1994	US Geological Survey	1" to 800'	
1983	National High Altitude Photography	1" to 800'	
1970	US Geological Survey	1" to 800'	Best Copy Available
1953	Agriculture and Soil Conservation Service	1" to 800'	
1948	United States Air Force	1" to 800'	

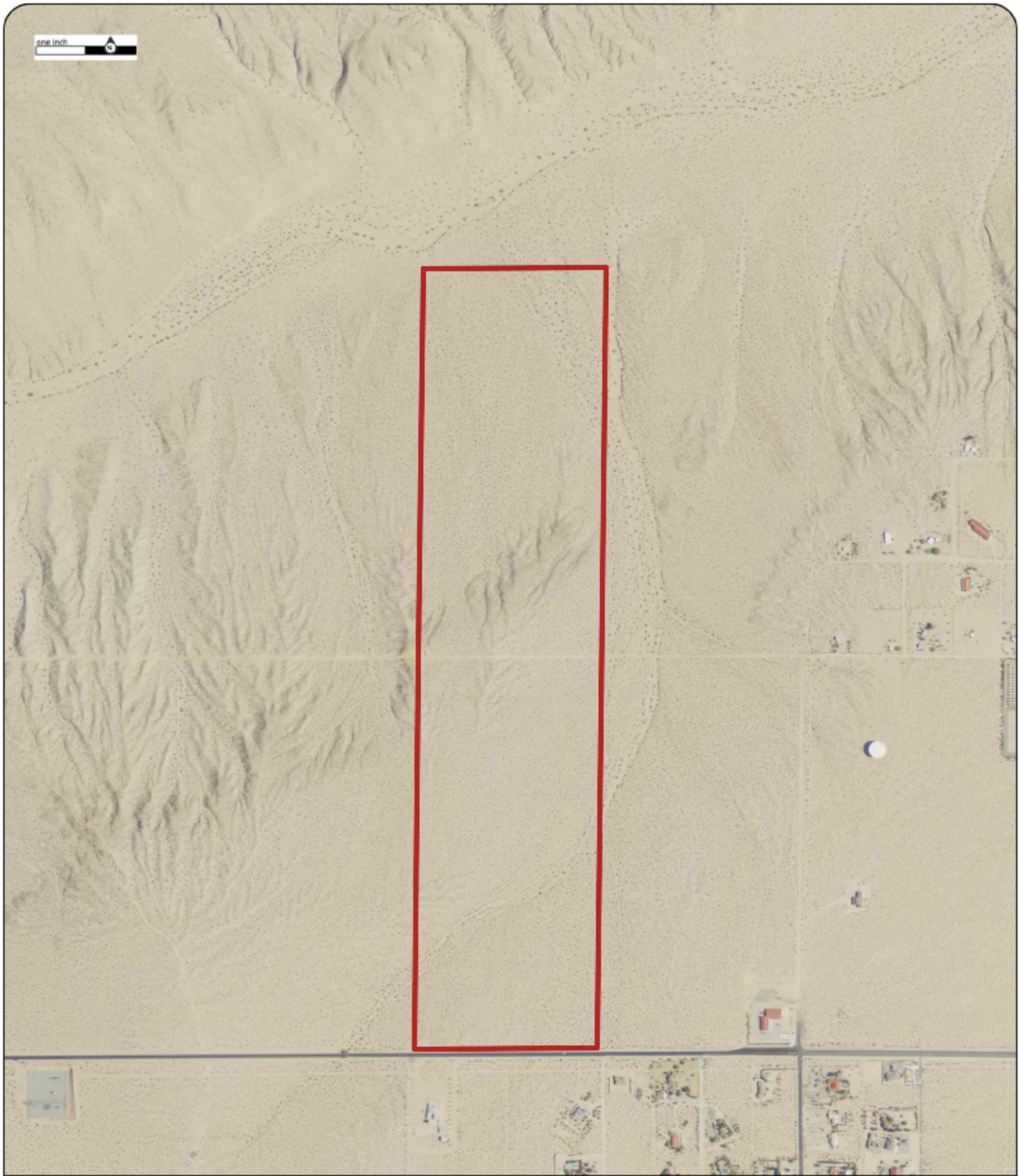


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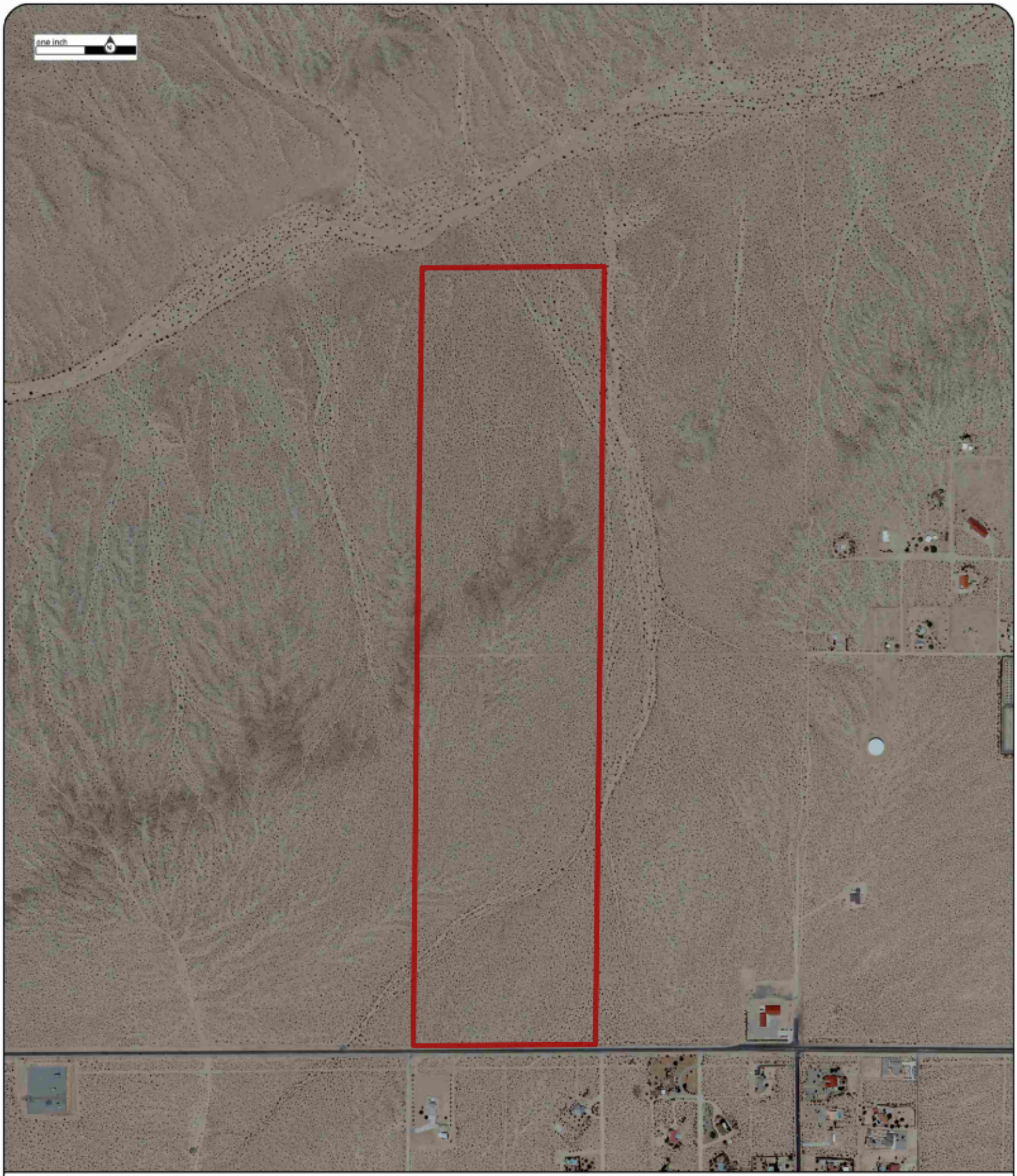


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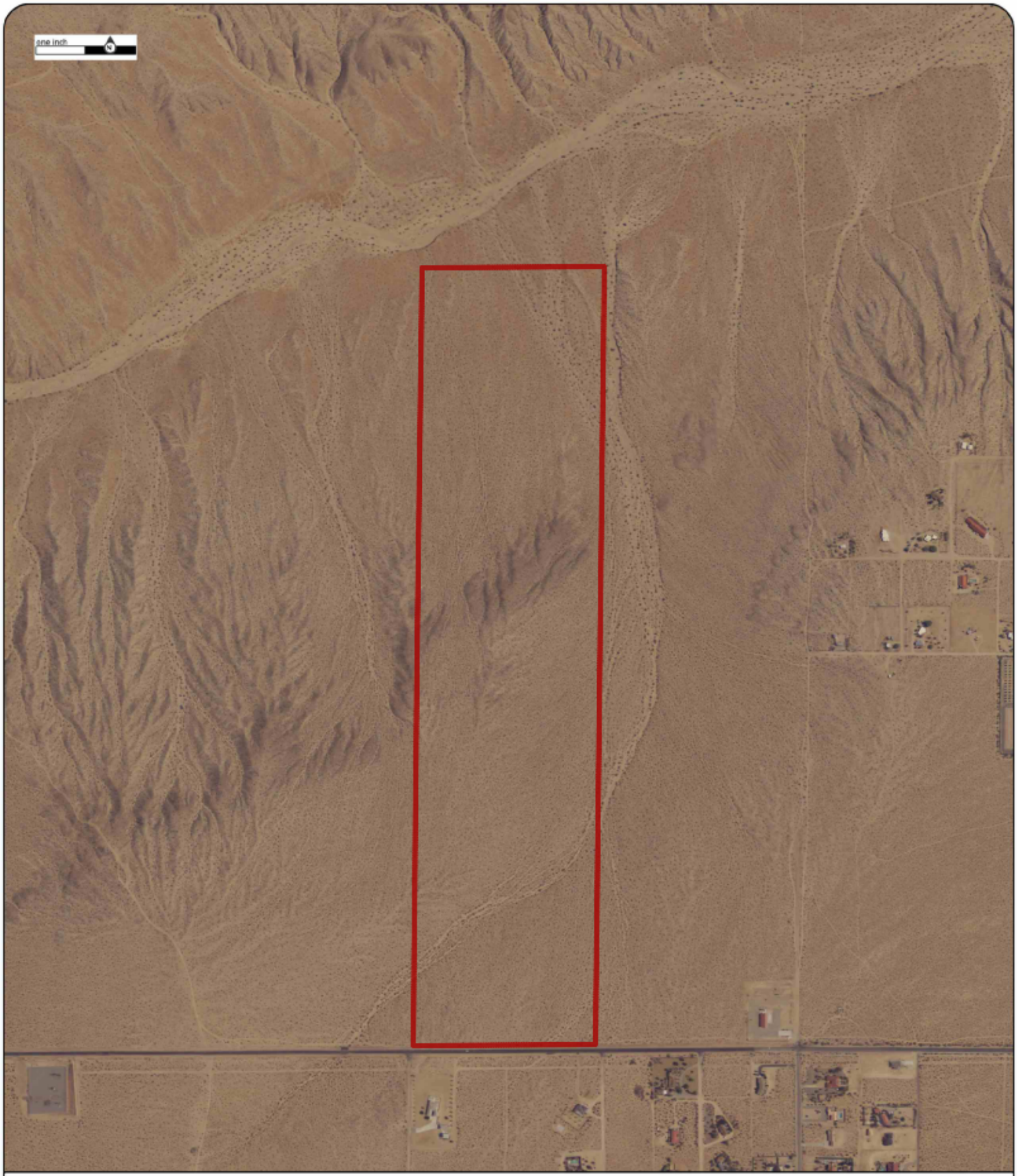


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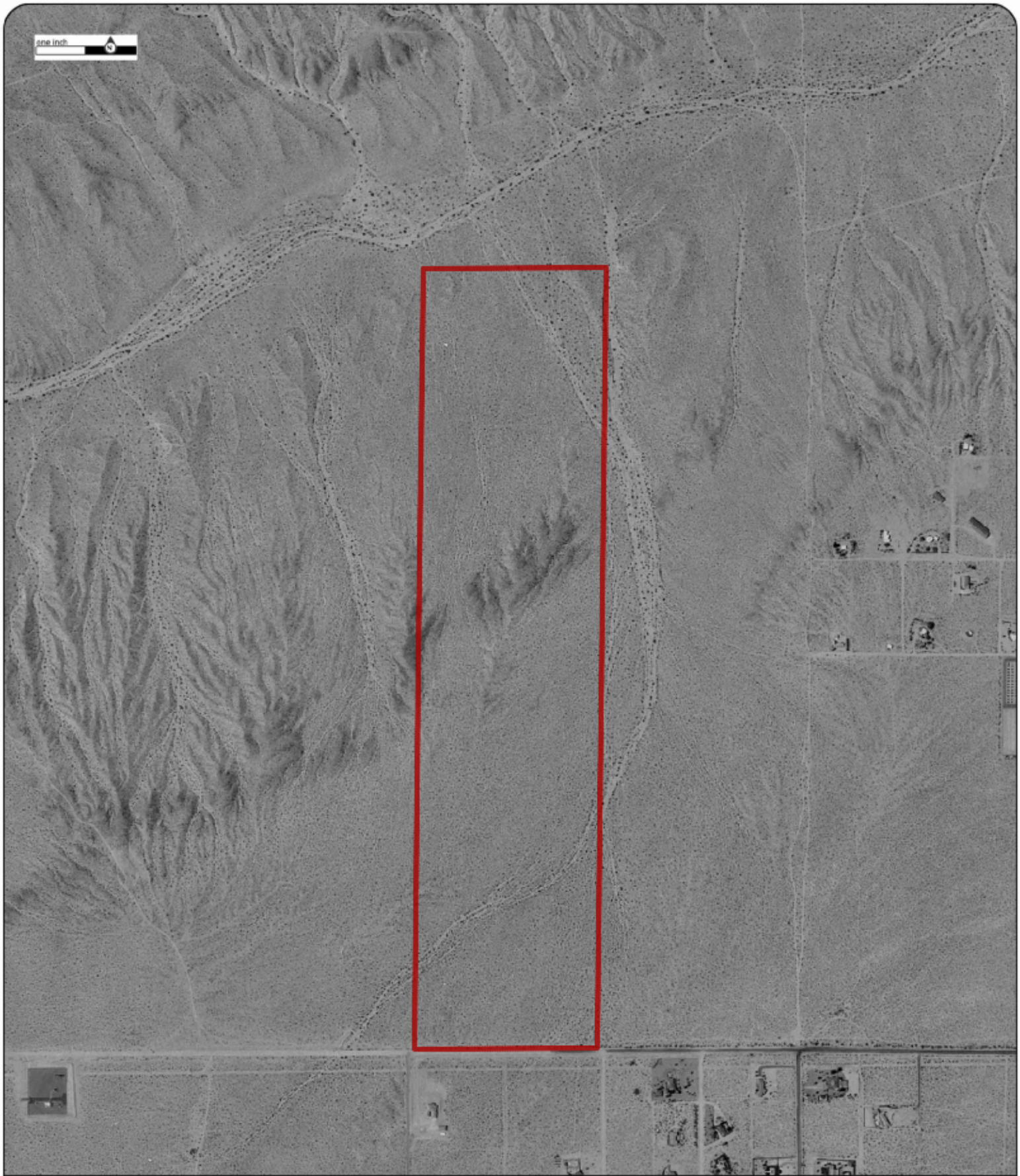


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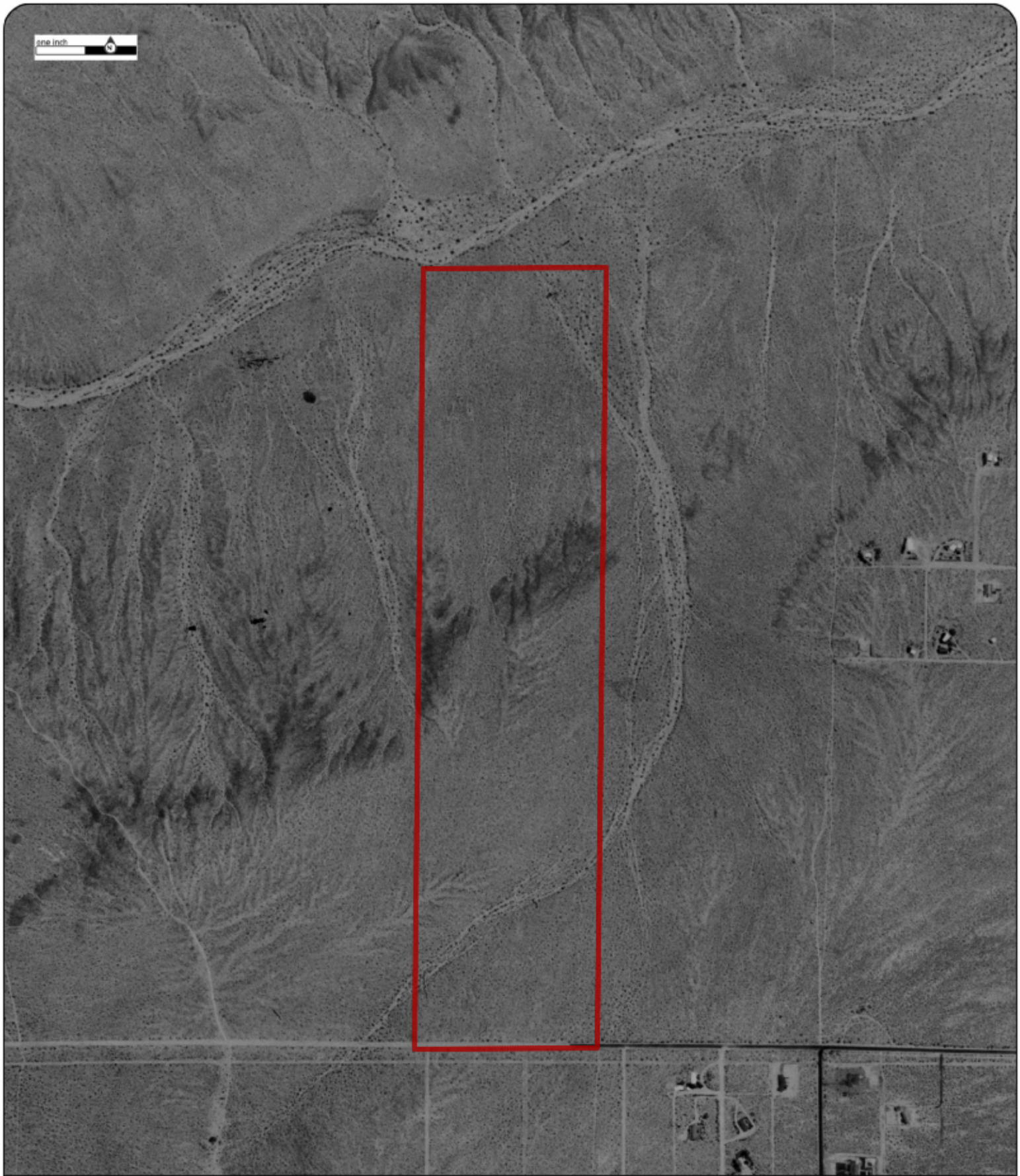


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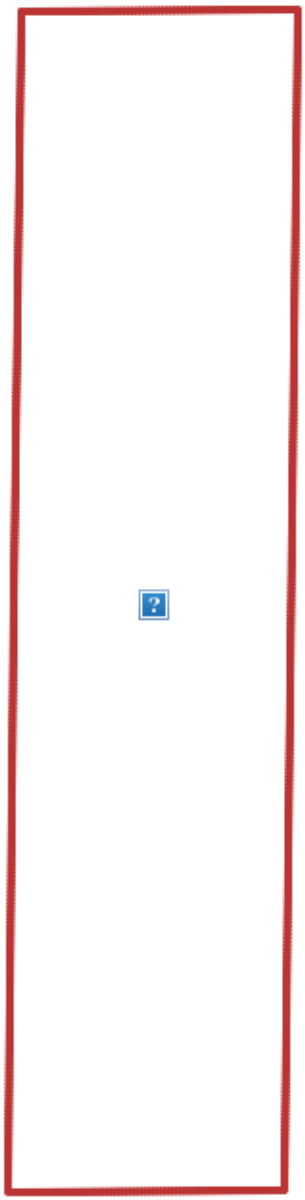


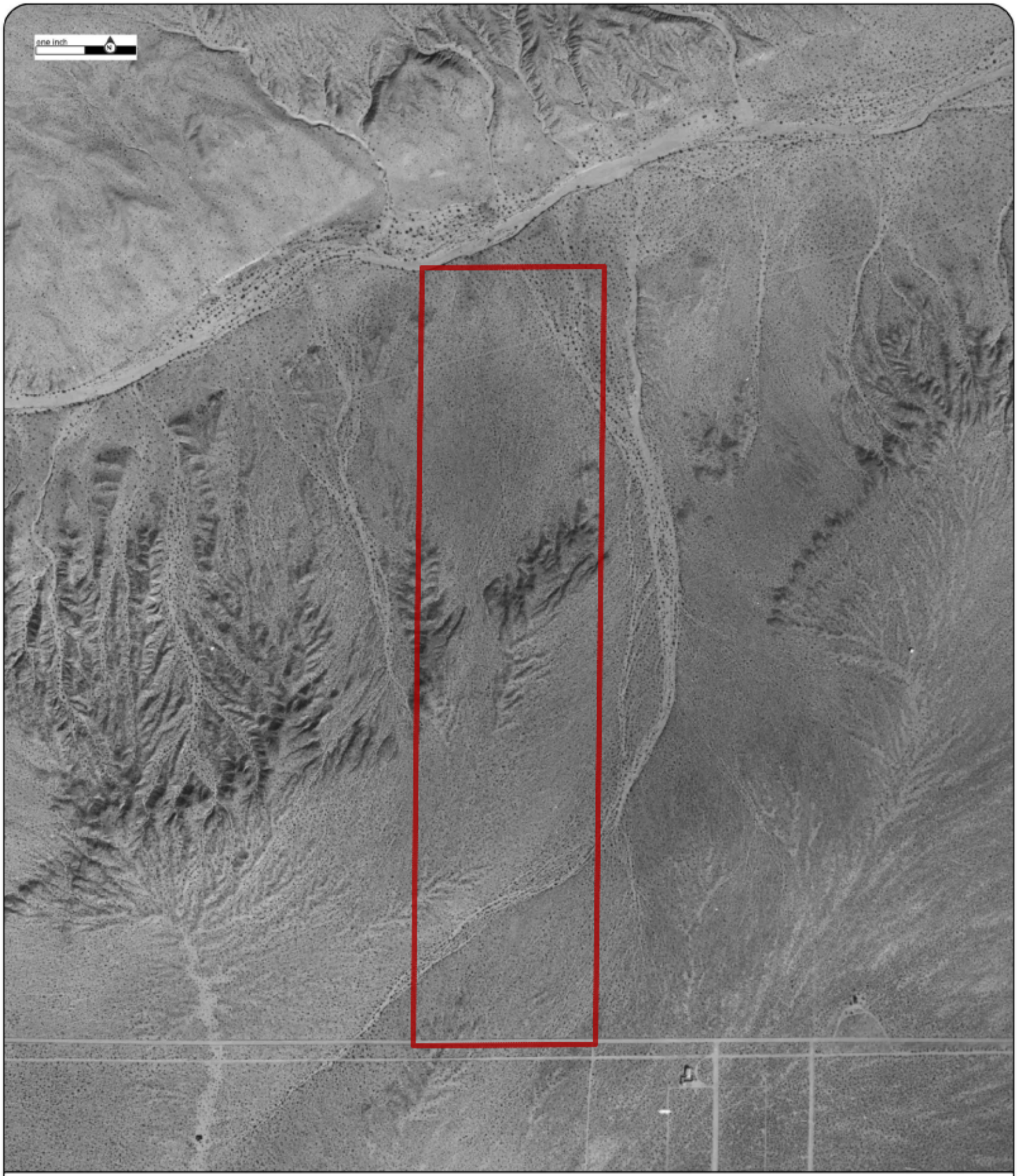
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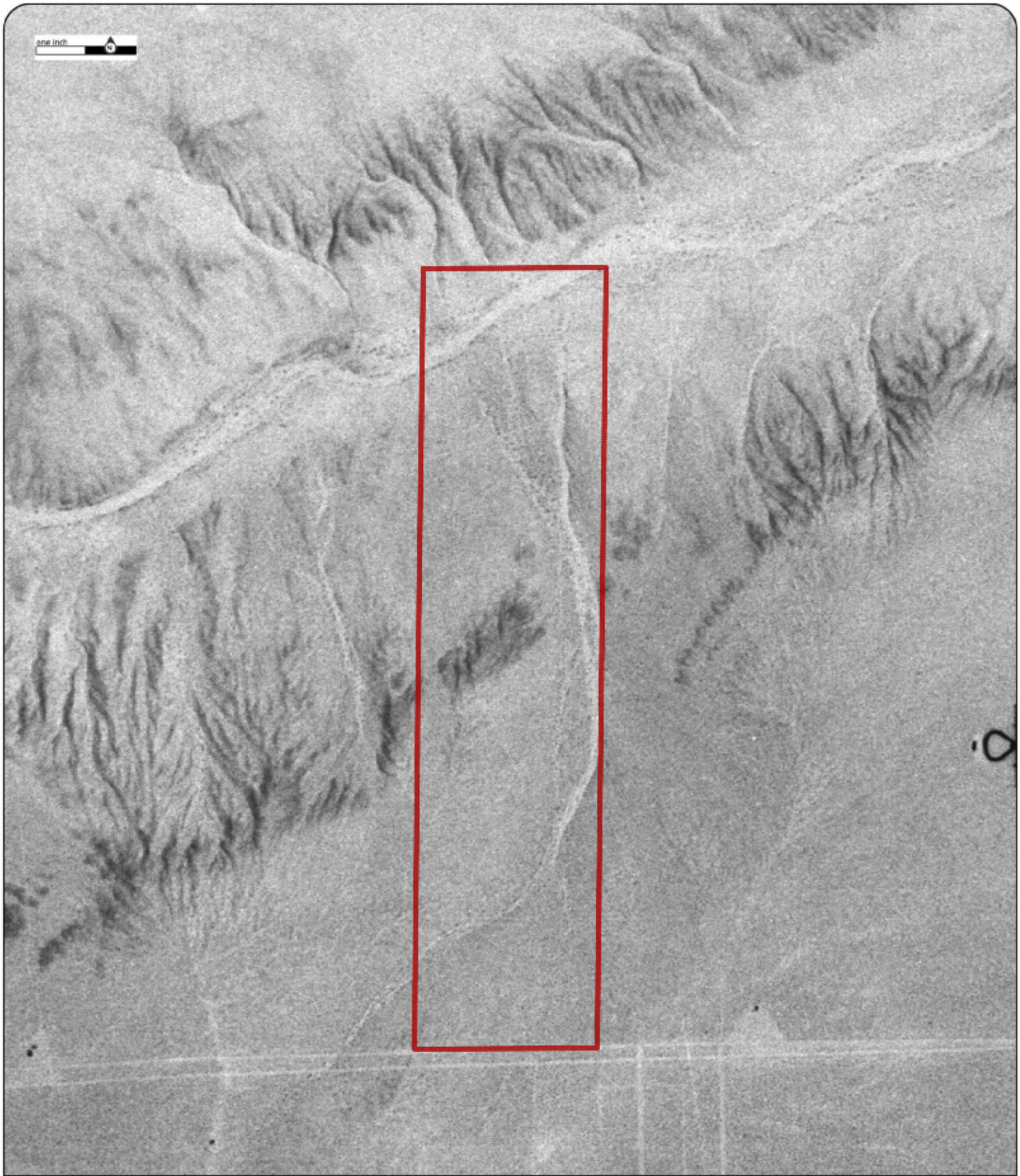


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Order No:20200723068

ENVIRONMENTAL RISK INFORMATION SERVICES



Year:1948
Source:USAF
Scale:1" to 800'
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Address:n/a, Twentynine Palms, CA
Approx Center:34.15699534/-116.11361424

Order No:20200723068

ENVIRONMENTAL RISK INFORMATION SERVICES

Appendix D
Regulatory Records Documentation

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*ESA_Twentynine Palms, San Bernardino County,CA* *n/a* *Twentynine Palms CA*
Project No:	*2007104*
Report Type:	*Database Report*
Order No:	*20200723068*
Requested by:	*Rsb Environmental*
Date Completed:	*July 23, 2020*

Environmental Risk Information Services
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Executive Summary

Property Information:

Project Property:		*ESA_Twentynine Palms, San Bernardino County,CA* *n/a Twentynine Palms CA*
Project No:		*2007104*
Coordinates:		
	Latitude:	*34.15699534*
	Longitude:	*-116.11361424*
	UTM Northing:	*3,779,918.40*
	UTM Easting:	*581,706.12*
	UTM Zone:	*11S*
Elevation:		*2,227 FT*

Order Information:

Order No:	*20200723068*
Date Requested:	*July 23, 2020*
Requested by:	*Rsb Environmental*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (Boundaries)*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
FRP	Y	0.25	0	0	0	-	-	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA CESQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	0	0	0	0
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	0	0	0	-	-	0
AST	Y	0.25	0	0	**1**	-	-	**1**
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	0	0	0	-	-	0
LUR	Y	0.5	0	0	0	0	-	0
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
DELISTED CTNK	Y	0.25	0	0	0	-	-	0
HIST TANK	Y	0.25	0	0	0	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County								
SANBERN CUPA	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Additional Environmental Records								
Federal								
PFAS NPL	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	0	0	-	-	-	0
DELISTED HAZ	Y	0.5	0	0	0	0	-	0
GEOTRACKER	Y	0.125	0	0	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	0	0	0	-	-	0
CDL	Y	0.125	0	0	-	-	-	0

Tribal ***No Tribal additional environmental record sources available for this State.***

County ***No County additional environmental databases were selected to be included in the search.***

Total:	*0*	*0*	***1***	*0*	*0*	***1***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	AST	SCE-CARODEAN SUBSTATION	2 MILE RD & SUNRISE TWENTYNINE PALMS CA 92277	SE	0.25 / 1,313.37	76	16

Executive Summary: Summary by Data Source

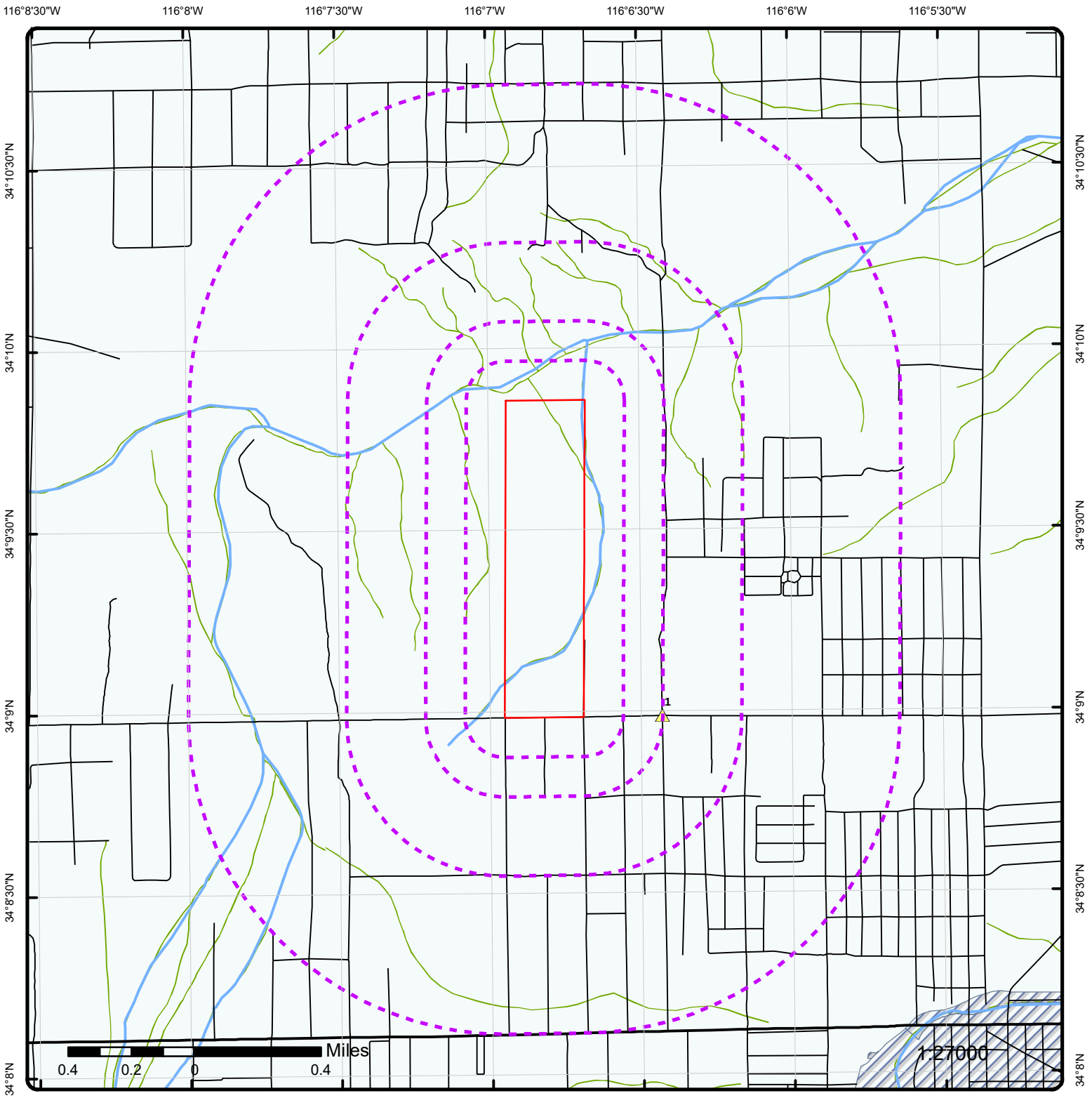
Standard

State

AST - Aboveground Storage Tanks

A search of the AST database, dated Aug 31, 2009 has found that there are 1 AST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SCE-CARODEAN SUBSTATION	2 MILE RD & SUNRISE TWENTYNINE PALMS CA 92277	SE	0.25 / 1,313.37	1



Map : 1.0 Mile Radius

Order Number: 20200723068

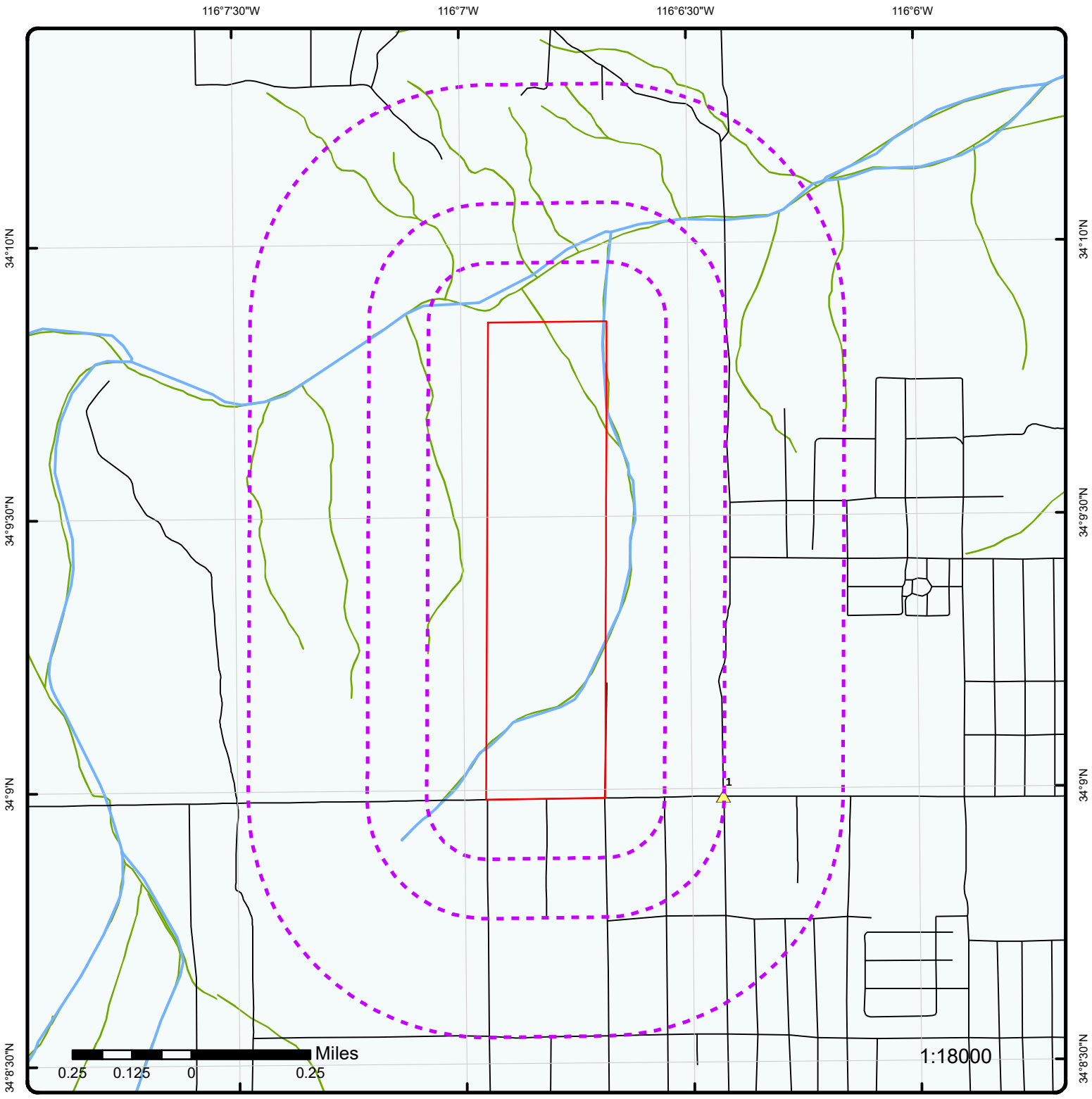
Address: n/a, Twentynine Palms, CA

ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)

Source: © 2016 ESRI

© ERIS Information Inc.



Map : 0.5 Mile Radius

Order Number: 20200723068

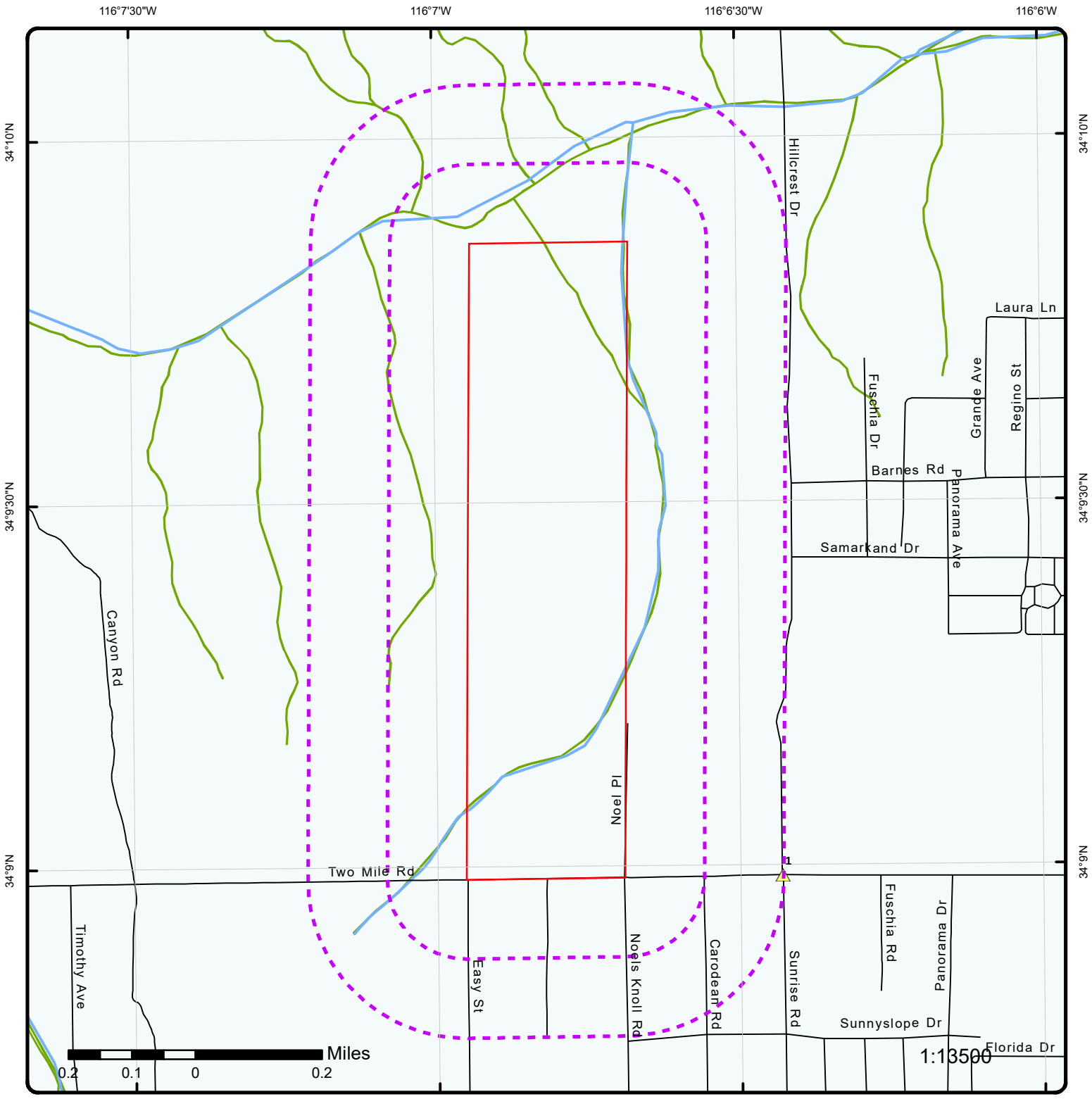
Address: n/a, Twentynine Palms, CA

ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)

Source: © 2016 ESRI

© ERIS Information Inc.



Map : 0.25 Mile Radius

Order Number: 20200723068

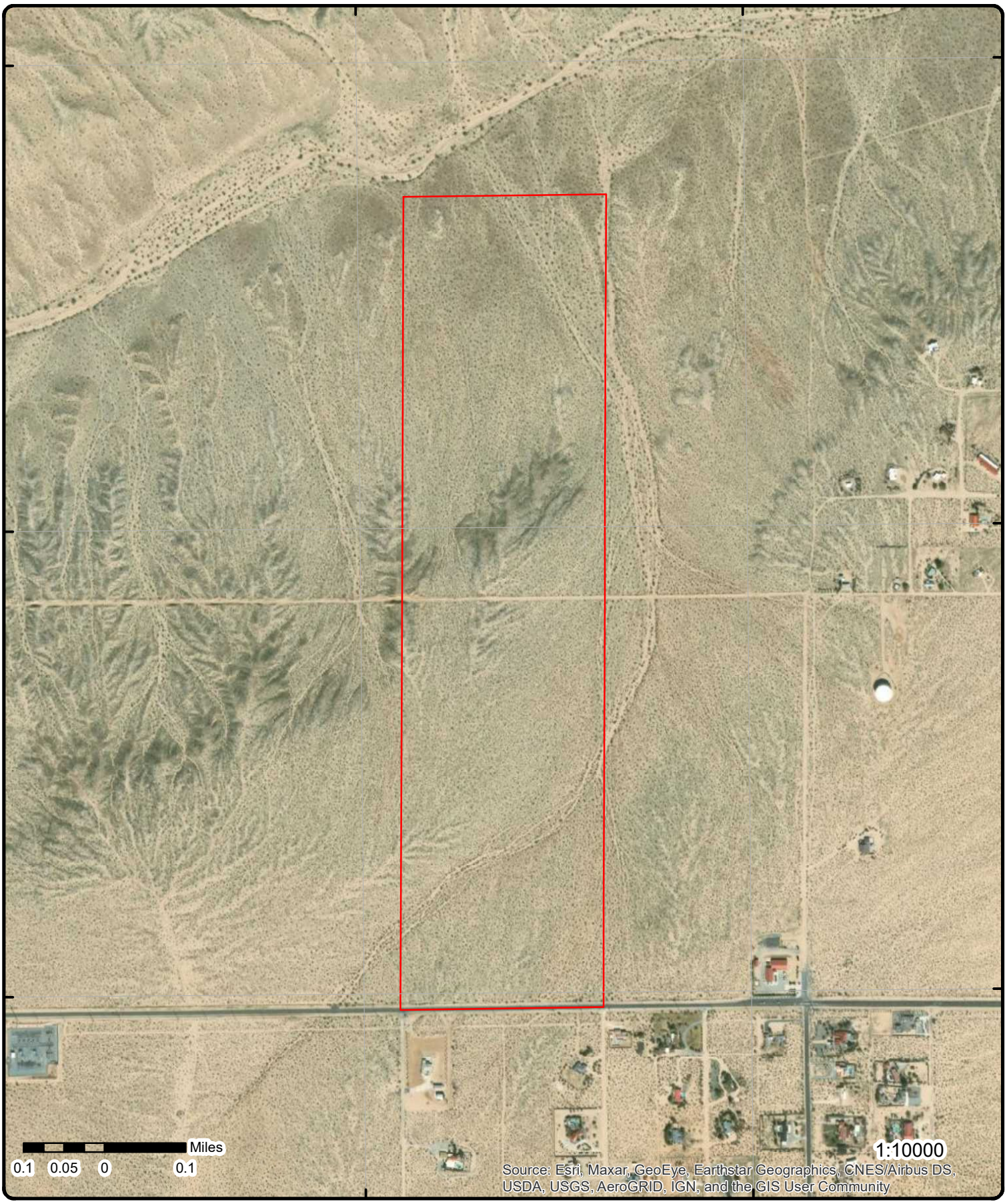
Address: n/a, Twentynine Palms, CA

ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
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- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)

Source: © 2016 ESRI

© ERIS Information Inc.



Aerial **Year: 2019**

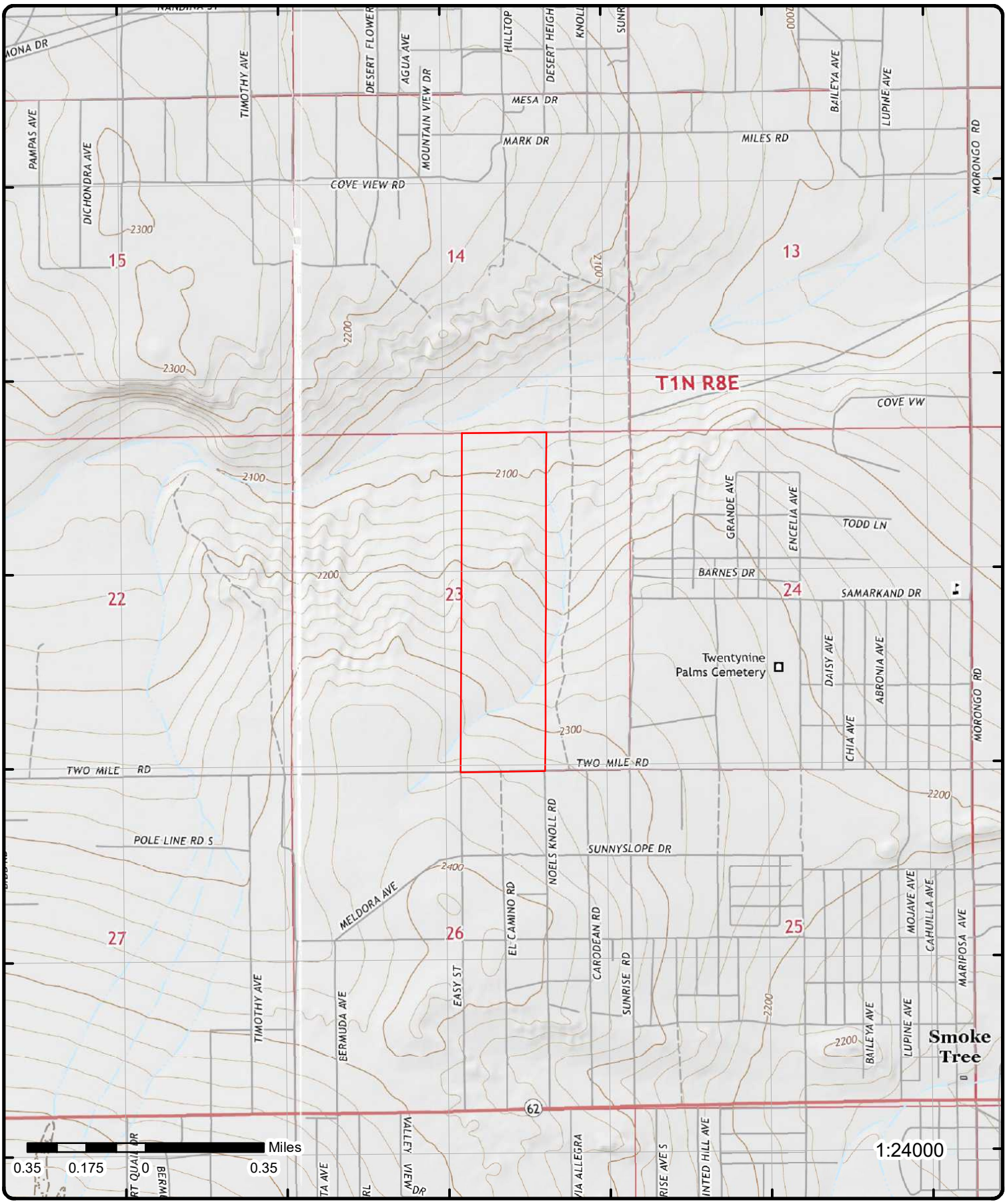
Address: n/a, Twentynine Palms, CA

Source: ESRI World Imagery

Order Number: 20200723068

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

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Topographic Map

Year: 2015

Order Number: 20200723068

Address: n/a, CA

Quadrangle(s): Queen Mountain,CA; Sunfair,CA; Twentynine Palms,CA; Indian Cove,CA

Source: USGS Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	SE	0.25 / 1,313.37	2,303.15 / 76	SCE-CARODEAN SUBSTATION 2 MILE RD & SUNRISE TWENTYNINE PALMS CA 92277	AST

Total Capacity(Gal): 4,800
Owner Name: SOUTHERN CALIFORNIA EDISON
CUPA: San Bernardino
County: San Bernardino

Unplottable Summary

Total: 3 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CHMIRS	So. Cal. Edison	Lear near 2-Mile Rd. ***Control No* | *Notified Date:*** 11/29/200303:05:26 PM	Twentynine Palms CA	91770	821858489
HAZNET	RODNEY LEE ARMSTRONG	EASY 8 MOTEL	SAN BERNARDINO CA	924080000	826387843
SANBERN CUPA	SCE Carodean Substation	2 Mile RD	Twentynine Palms CA	92277	820060858

Unplottable Report

Site: ***So. Cal. Edison***
Lear near 2-Mile Rd. Twentynine Palms CA 91770

CHMIRS

Control No:		***Notified Date:***	11/29/200303:05:26 PM
Notified Date Time:		***Year:***	2003
County:	San Bernardino County		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	***Bbls:***	0
Substance:	Mineral Oil, Non-PCB	***Cups:***	0
Incident Date:	11/29/200312:00:00 AM	***Cuft:***	0
No of Injuries:	0	***Gals:***	5
No of Fatals:	0	***Grams:***	0
No of Evacs:	0	***Lbs:***	0
Cleanup:	Responsible Party	***Liters:***	0
Water:		***Oz:***	0
Water Way:		***Pts:***	0
City:	Twentynine Palms	***Qts:***	0
County:	San Bernardino County	***Sheen:***	0
Zip:	91770	***Tons:***	0
Site:	Road	***Unknown:***	0

Admin Agency:	San Bernardino County Health Department
Location:	Lear near 2-Mile Rd.
Description:	Released due to an internal electrical failure.

Site: ***RODNEY LEE ARMSTRONG***
EASY 8 MOTEL SAN BERNARDINO CA 924080000

HAZNET

SIC Code:		***Mailing City:***	SACRAMENTO
NAICS Code:		***Mailing State:***	CA
EPA ID:	CLU950002832	***Mailing Zip:***	958120806
Create Date:	1/9/1996	***Region Code:***	4
Fac Act Ind:	No	***Owner Name:***	UNKNOWN
Inact Date:	6/19/2002	***Owner Addr 1:***	--
County Code:	36	***Owner Addr 2:***	
County Name:	San Bernardino	***Owner City:***	--
Mail Name:		***Owner State:***	99
Mailing Addr 1:	DTSC CLU/ERU	***Owner Zip:***	--
Mailing Addr 2:		***Owner Phone:***	0000000000
Owner Fax:			

Contact Information

--	--
Contact Name:	DTSC EMERGENCY RESPONSE UNIT
Street Address 1:	DTSC CLU/ERU
Street Address 2:	
City:	SAC
State:	CA
Zip:	958120806
Phone:	9163233600
--	--
--	--

Tanner Information

--	--
Generator EPA ID:	CLU950002832
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080010101

TSD County Code:	37
TSD County:	San Diego
State Waste Code:	181
State Waste Code Desc.:	Other inorganic solid waste
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.01
Year:	1995
--	--
Generator EPA ID:	CLU950002832
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080010101
TSD County Code:	37
TSD County:	San Diego
State Waste Code:	343
State Waste Code Desc.:	Unspecified organic liquid mixture
Method Code:	H01
Method Description:	Transfer station
Tons:	0.0075
Year:	1995
--	--
Generator EPA ID:	CLU950002832
Generator County Code:	36
Generator County:	San Bernardino
TSD EPA ID:	CAT080010101
TSD County Code:	37
TSD County:	San Diego
State Waste Code:	791
State Waste Code Desc.:	Liquids with pH <= 2
Method Code:	T01
Method Description:	Treatment, tank
Tons:	0.01
Year:	1995
--	--

Site: ***SCE Carodean Substation***
2 Mile RD Twentynine Palms CA 92277

SANBERN CUPA

Facility ID:	FA0000251
Owner Info:	Southern California Edison
Mailing Care of:	
Mailing Address 1:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Mailing Address 2:	
Mailing City:	Rosemead
Mailing State:	CA
Mailing Zip:	91770

Detail(s)

Permit ID:	PT0020098
Status:	INACTIVE
Program Element Code:	4270
Permit Desc:	EPCRA FACILITY
To:	2/28/2014
Permit ID:	PT0000377
Status:	ACTIVE
Program Element Code:	4241
Permit Desc:	HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
To:	2/28/2021
Permit ID:	PT0020099
Status:	ACTIVE
Program Element Code:	4030
Permit Desc:	APSA EXEMPT
To:	2/28/2020

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Mar 26, 2020

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Apr 27, 2020

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Apr 27, 2020

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Apr 27, 2020

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: May 22, 2020

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: May 22, 2020

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: May 4, 2020

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: May 4, 2020

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: May 4, 2020

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: May 4, 2020

RCRA Conditionally Exempt and Very Small Quantity Generators List: RCRA CESQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Conditionally Exempt and Very Small Quantity Generators (VSQG and CESQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG and CESQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: May 4, 2020

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: May 4, 2020

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 26, 2020

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Feb 26, 2020

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 25, 2019

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 3, 2019

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Oct 8, 2019

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Jan 13, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: May 22, 2020

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Apr 27, 2020

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Apr 13, 2020

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Apr 13, 2020

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Apr 13, 2020

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: May 1, 2020

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Apr 13, 2020

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Mar 17, 2020

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Mar 17, 2020

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Jul 7, 2020

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Mar 17, 2020

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: Jul 7, 2020

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Apr 30, 2020

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Jun 19, 2020

California Environmental Reporting System (CERS) Tanks: CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: May 12, 2020

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Apr 13, 2020

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Apr 8, 2020

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Mar 17, 2020

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Apr 13, 2020

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Mar 17, 2020

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Jun 9, 2020

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: May 12, 2020

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

San Bernardino County - CUPA List: SANBERN CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Bernardino County. This list is made available by San Bernardino County Fire Department which is the CUPA for all areas of the County except the city of Victorville.

Government Publication Date: Apr 29, 2020

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Mar 2, 2020

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Mar 25, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Dec 20, 2019

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Jan 8, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data 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.

Government Publication Date: Mar 19, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: May 22, 2020

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Nov 18, 2016

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from the Integrated Compliance Information System (ICIS). The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 20, 2020

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Jan 20, 2020

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Jan 28, 2020

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Oct 31, 2019

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Oct 31, 2019

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 6, 2019

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Jun 22, 2020

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 31, 2020

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 9, 2019

State

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: May 5, 2020

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: May 5, 2020

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2018

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

List of sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Mar 17, 2020

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.Y

Government Publication Date: Apr 16, 2020

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used 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. This list is published by California Department of Toxic Substance Control.

Government Publication Date: May 26, 2020

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Apr 14, 2020

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Apr 13, 2020

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Apr 20, 2020

Hazardous Waste Manifest Data: HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: May 12, 2020

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Mar 17, 2020

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Mar 17, 2020

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2017

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jun 30, 2018

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental databases were selected to be included in the search.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix E
Other Supporting Documentation

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		20200723068p
Date Completed:		July 23, 2020
Project Number:		2007104
Project Property:		ESA_Twentynine Palms, San Bernardino County,CA n/a Twentynine Palms CA
Coordinates:		
	Latitude:	34.15699534
	Longitude:	-116.11361424
	UTM Northing:	3779918.39983 Meters
	UTM Easting:	581706.121116 Meters
	UTM Zone:	UTM Zone 11S
	Elevation:	2,226.93 ft
	Slope Direction:	ENE

Topographic Information....2
Hydrologic Information....12
Geologic Information....21
Soil Information....25
Wells and Additional Sources....29
Summary....34
Detail Report....35
Radon Information....40
Appendix....41
Liability Notice....43

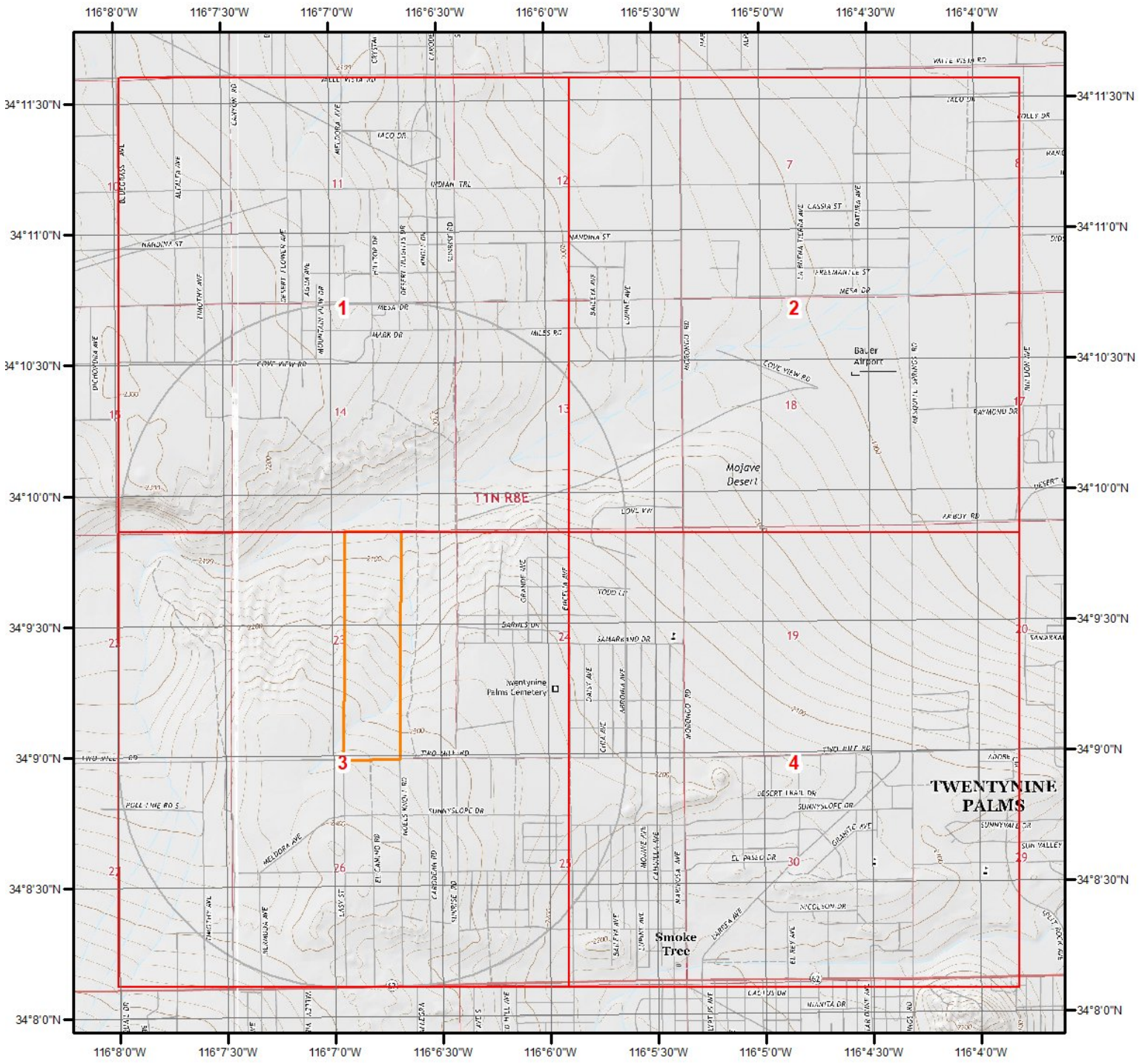
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo

0 0.2 0.4 0.8 1.2 1.6 Miles

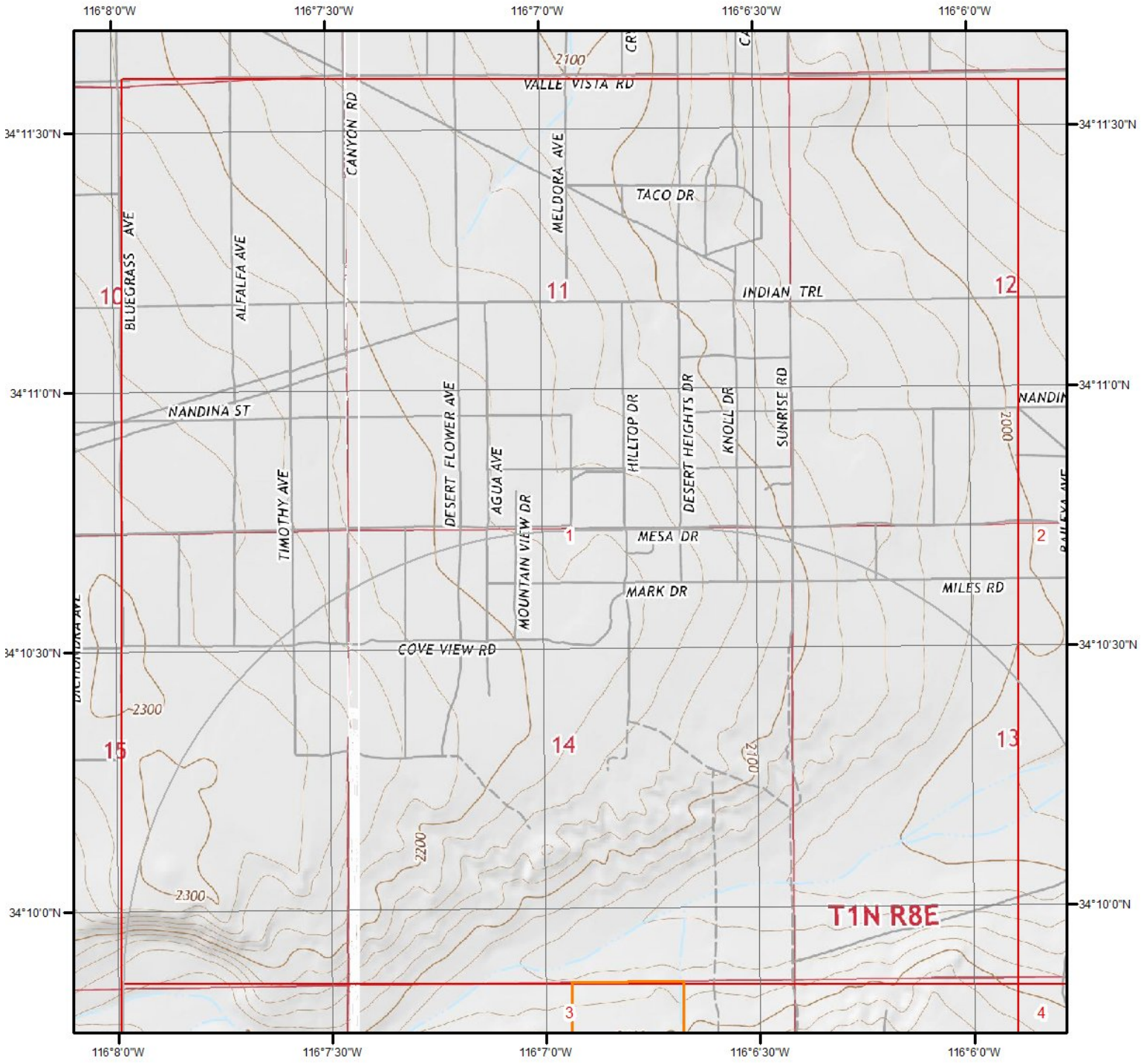
N

Quadrangle(s): Indian Cove,CA; Queen Mountain,CA; Sunfair,CA; Twentynine Palms,CA

Source: USGS 7.5 Minute Topographic Map

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ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 1

0 0.2 0.4 0.8 Miles

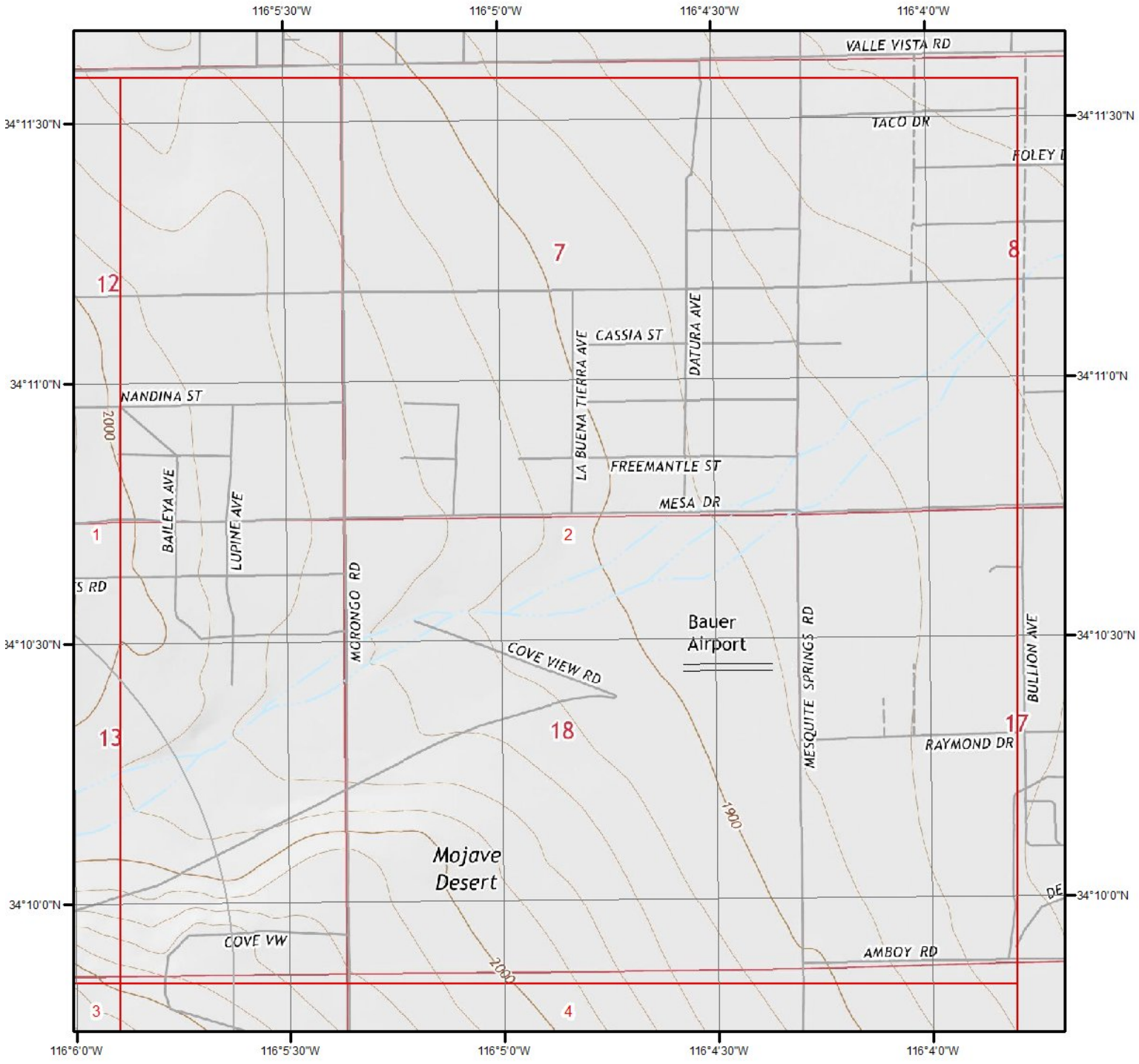
N

Quadrangle(s): Sunfair,CA; Twentynine Palms,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 2

0 0.2 0.4 0.8 Miles

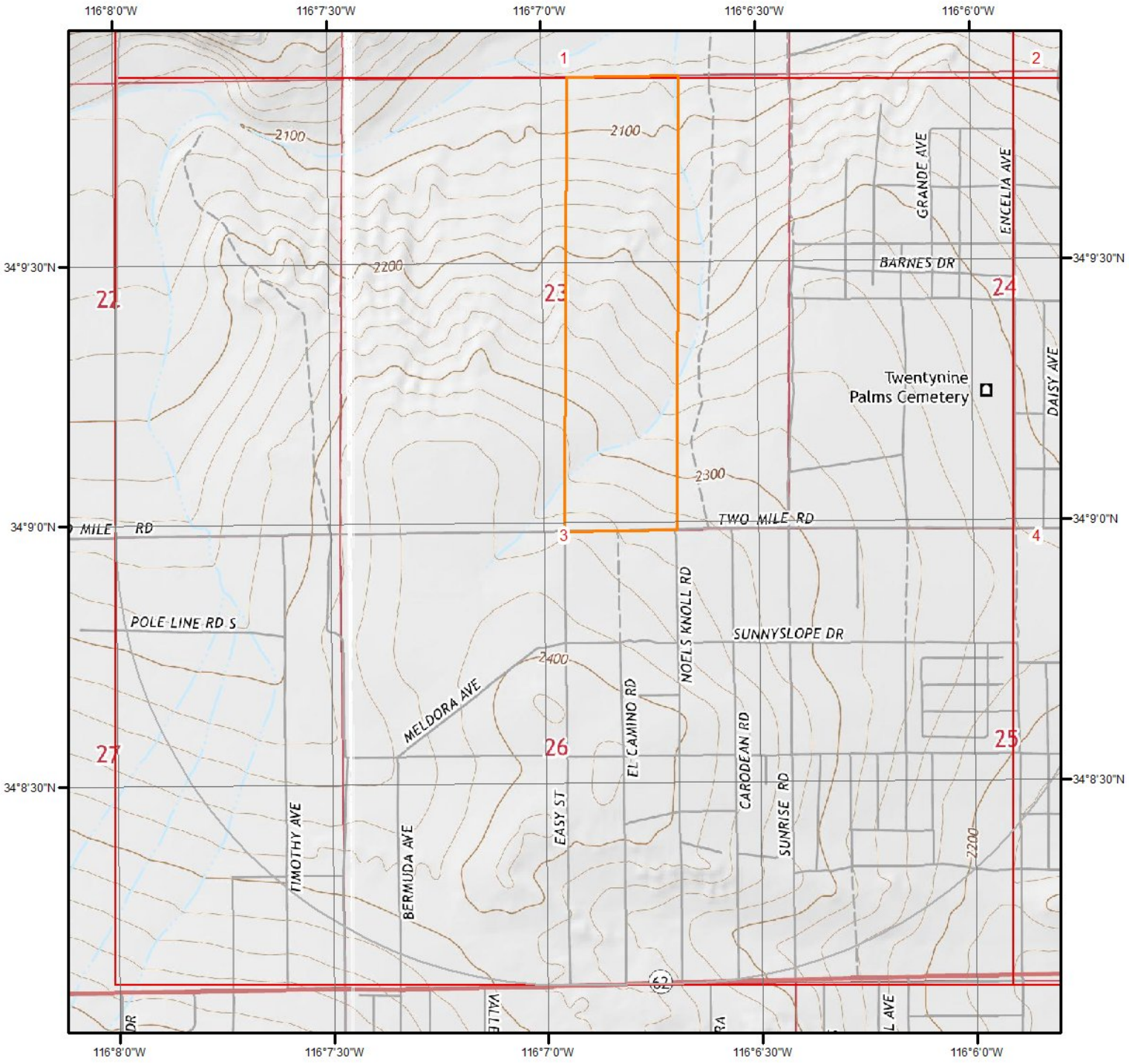
N

Quadrangle(s): Twentynine Palms,CA

Source: USGS 7.5 Minute Topographic Map

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ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 3

0 0.2 0.4 0.8 Miles

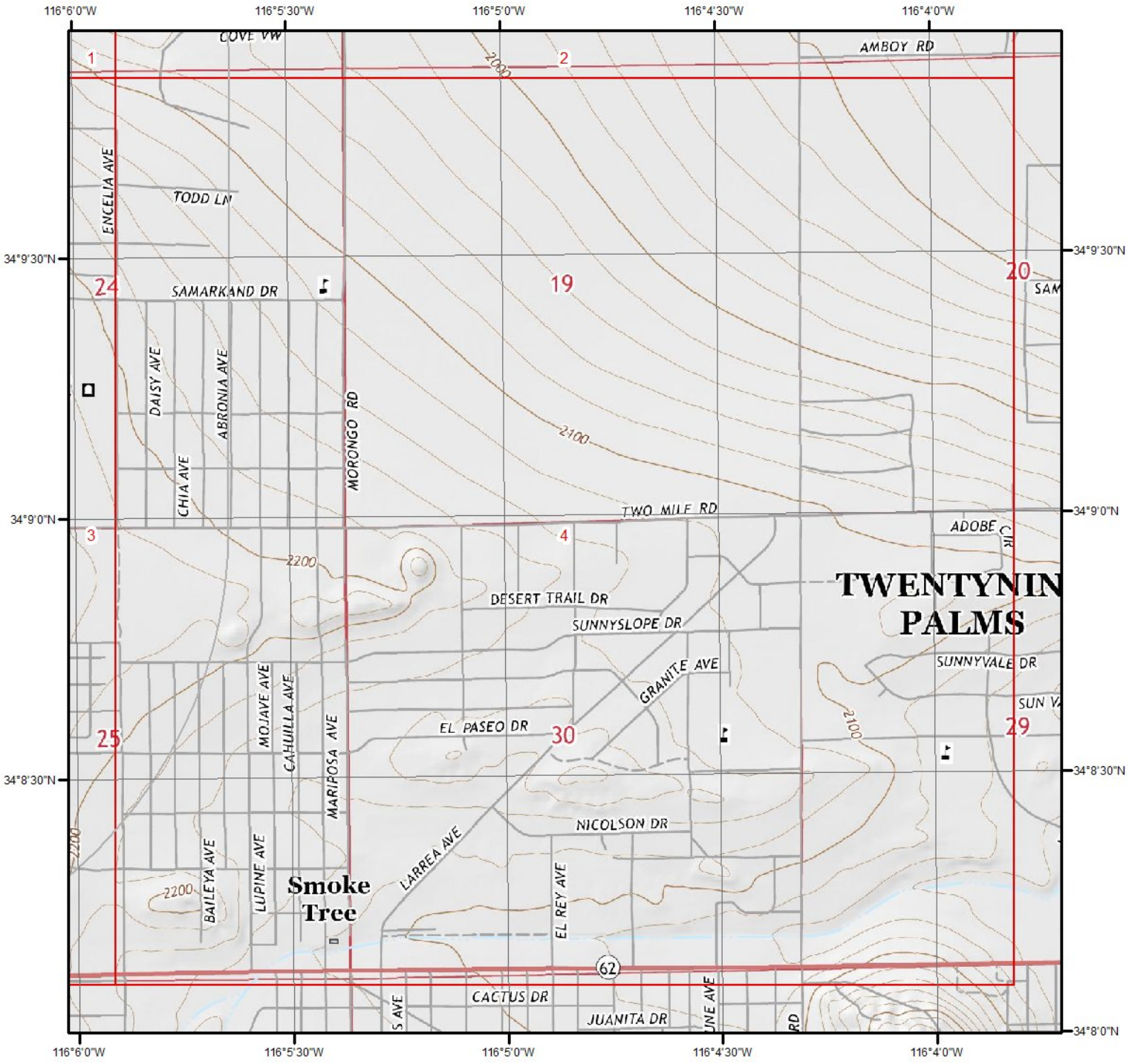
N

Quadrangle(s): Sunfair,CA; Twentynine Palms,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 4

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Twentynine Palms,CA

Source: USGS 7.5 Minute Topographic Map

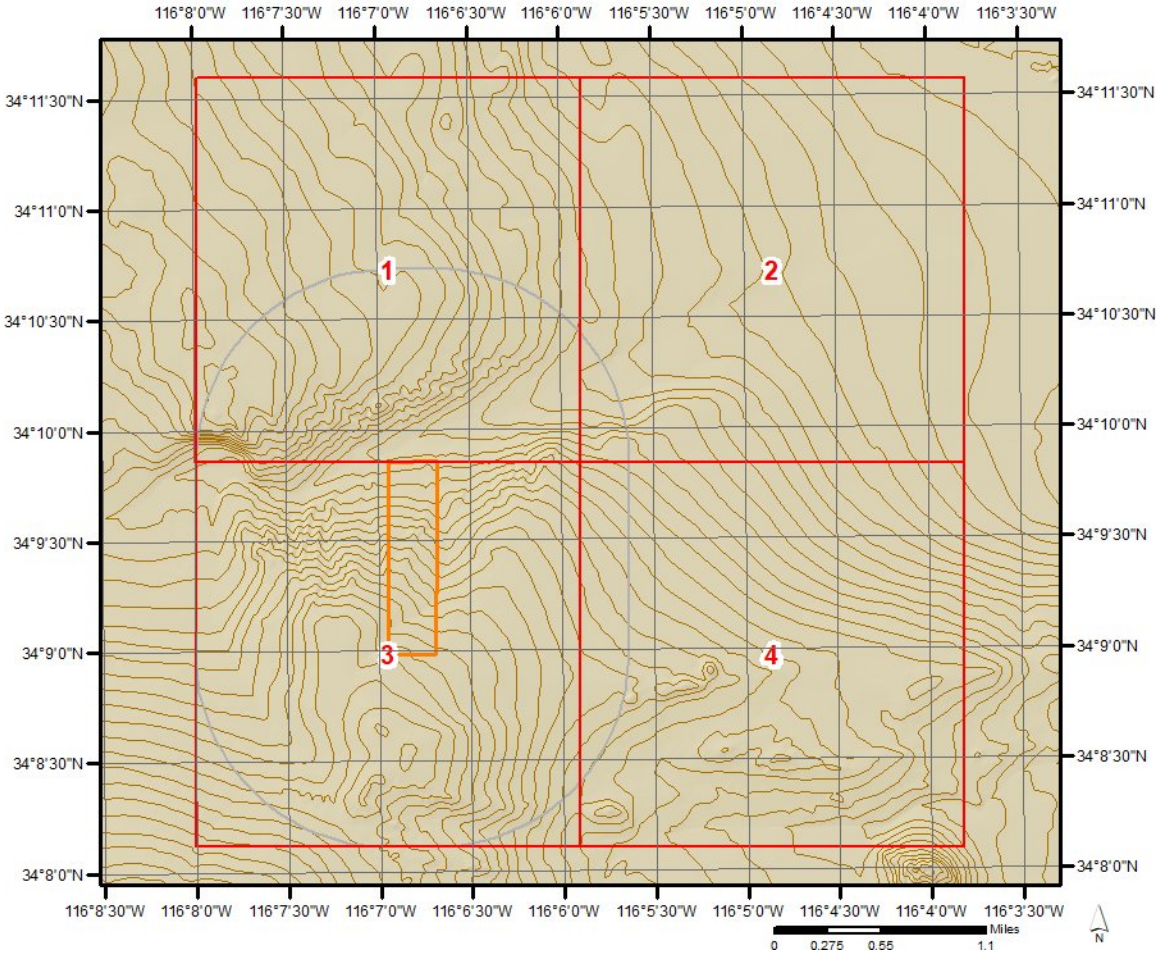
ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information

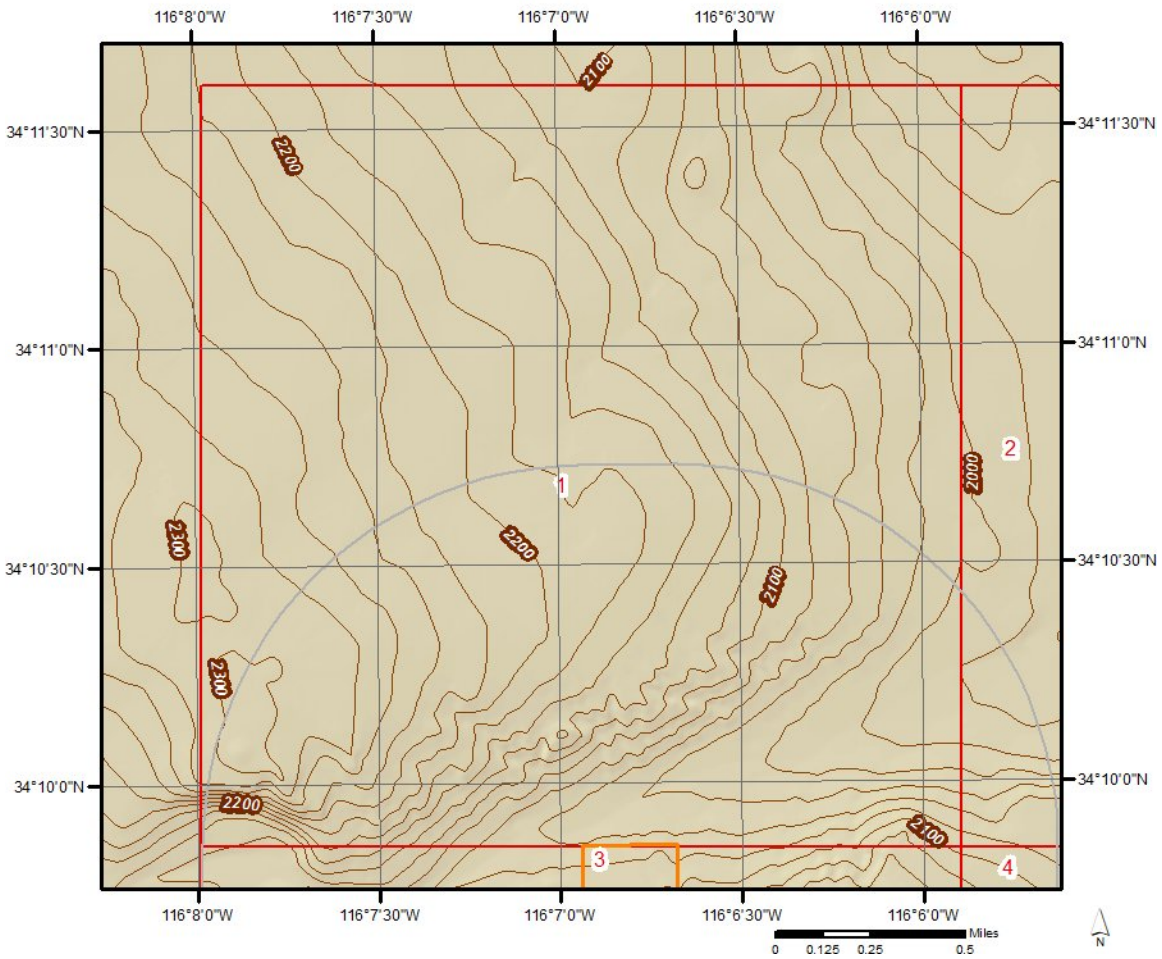
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

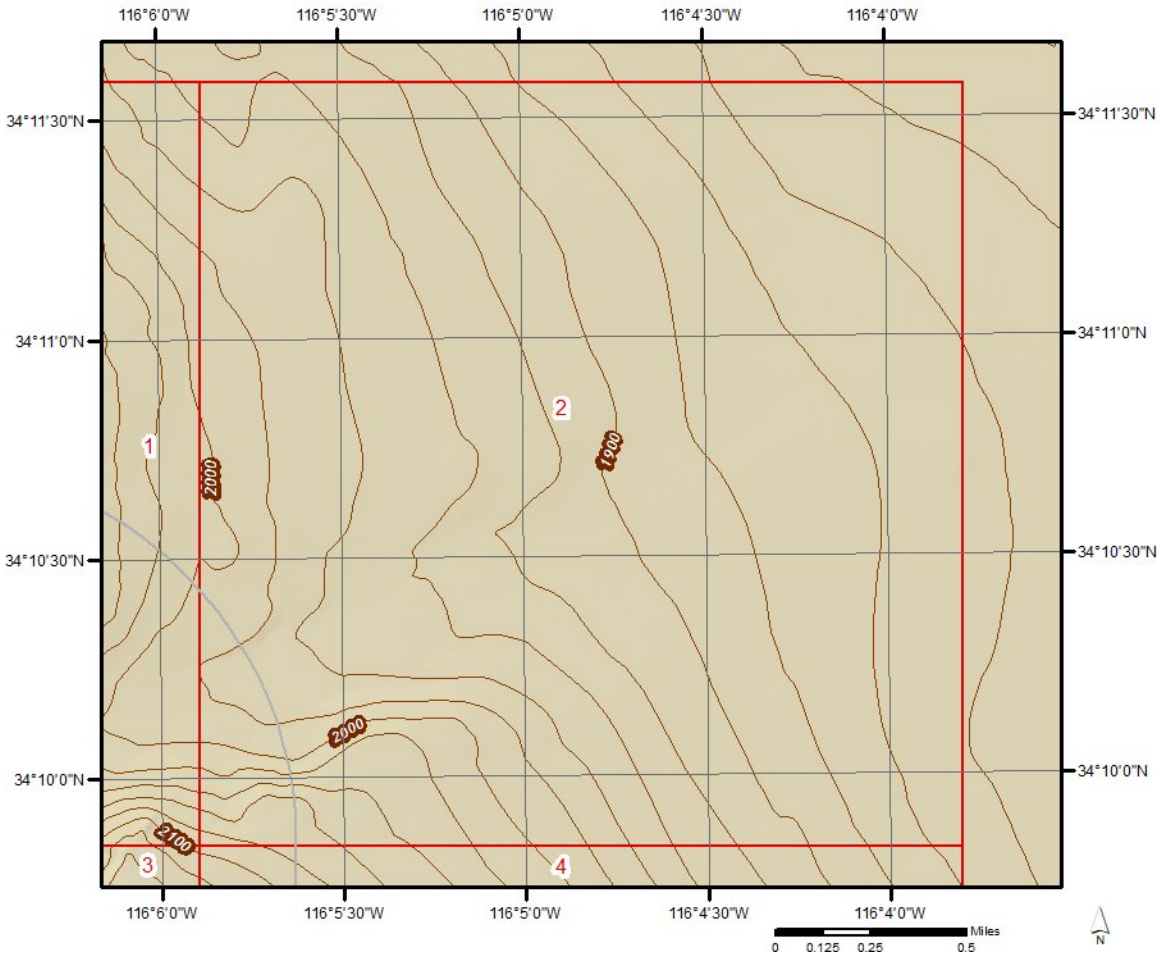
Elevation:	2,226.93 ft
Slope Direction:	ENE



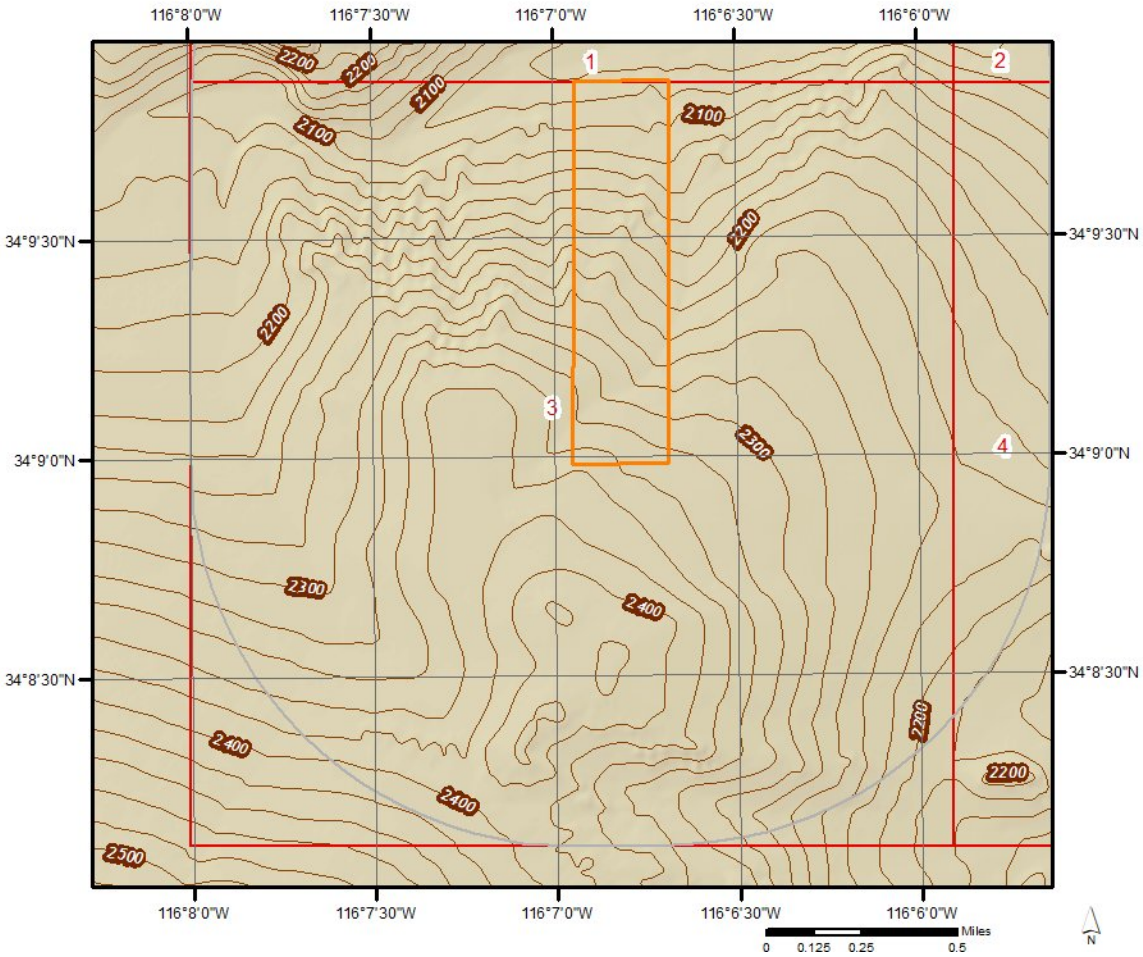
Topographic Information



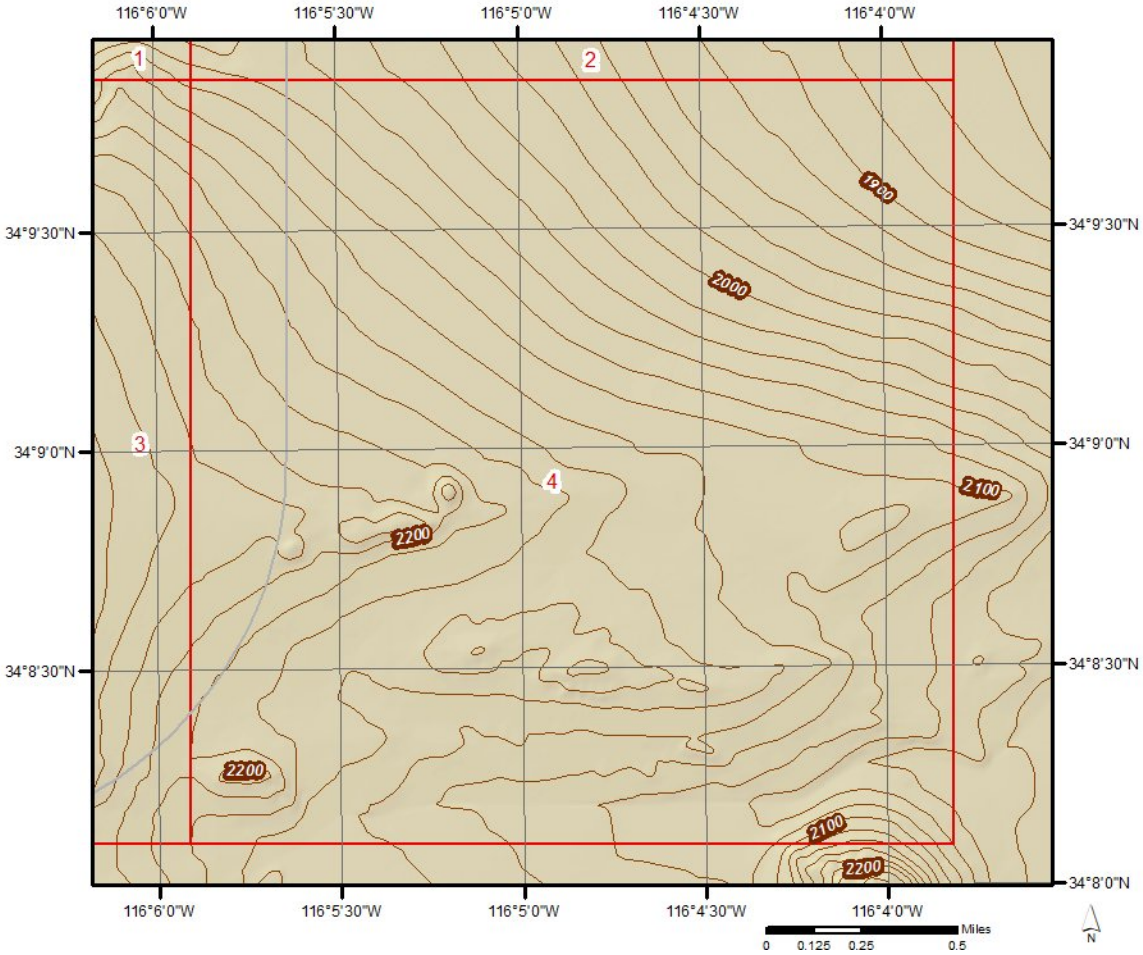
Topographic Information



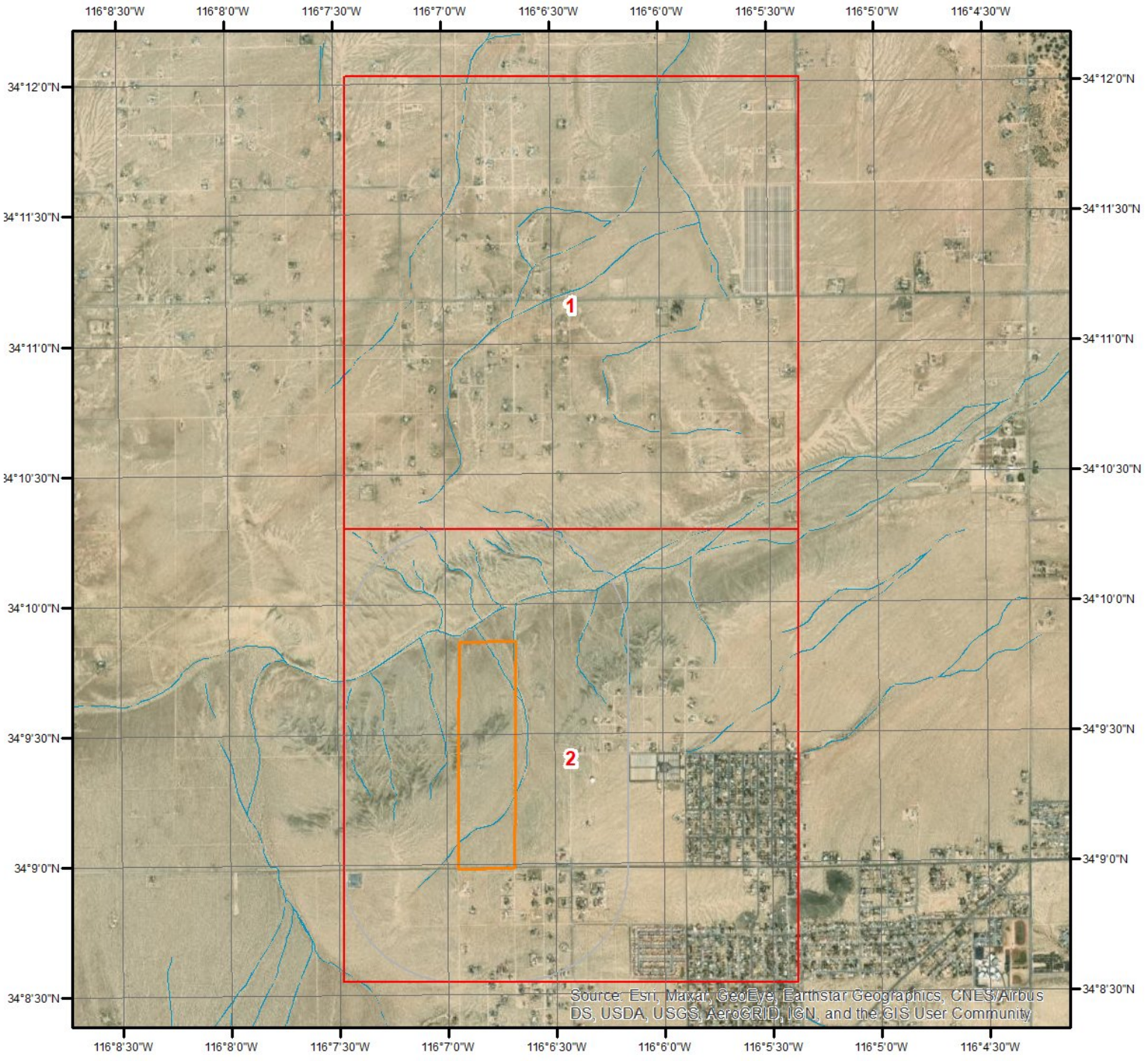
Topographic Information



Topographic Information



Hydrologic Information



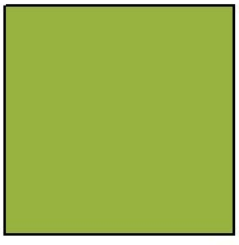
Wetland

0 0.275 0.55 1.1 Miles

N

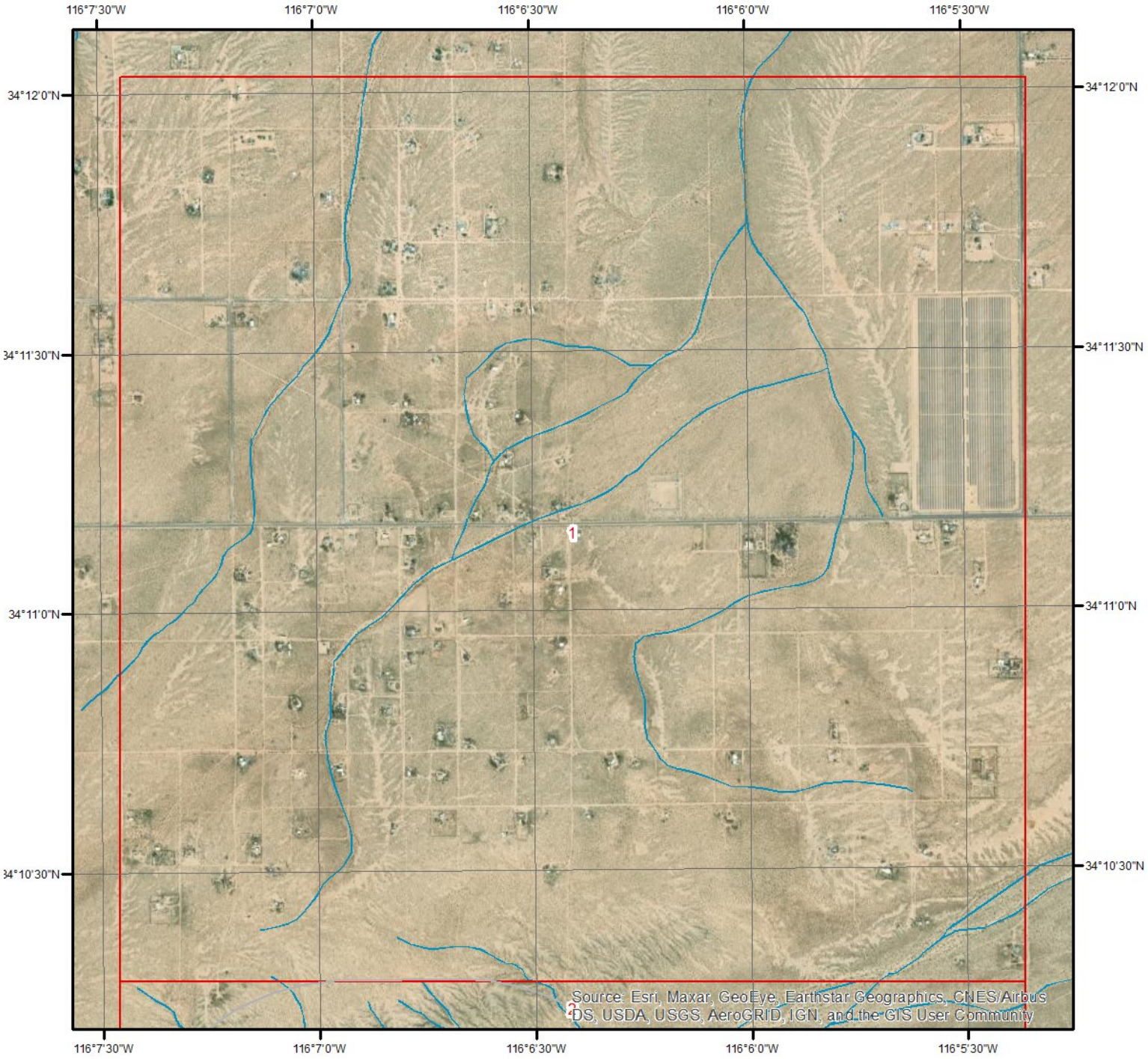
This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine



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Hydrologic Information



Wetland Type - Page 1

0 0.125 0.25 0.5 Miles

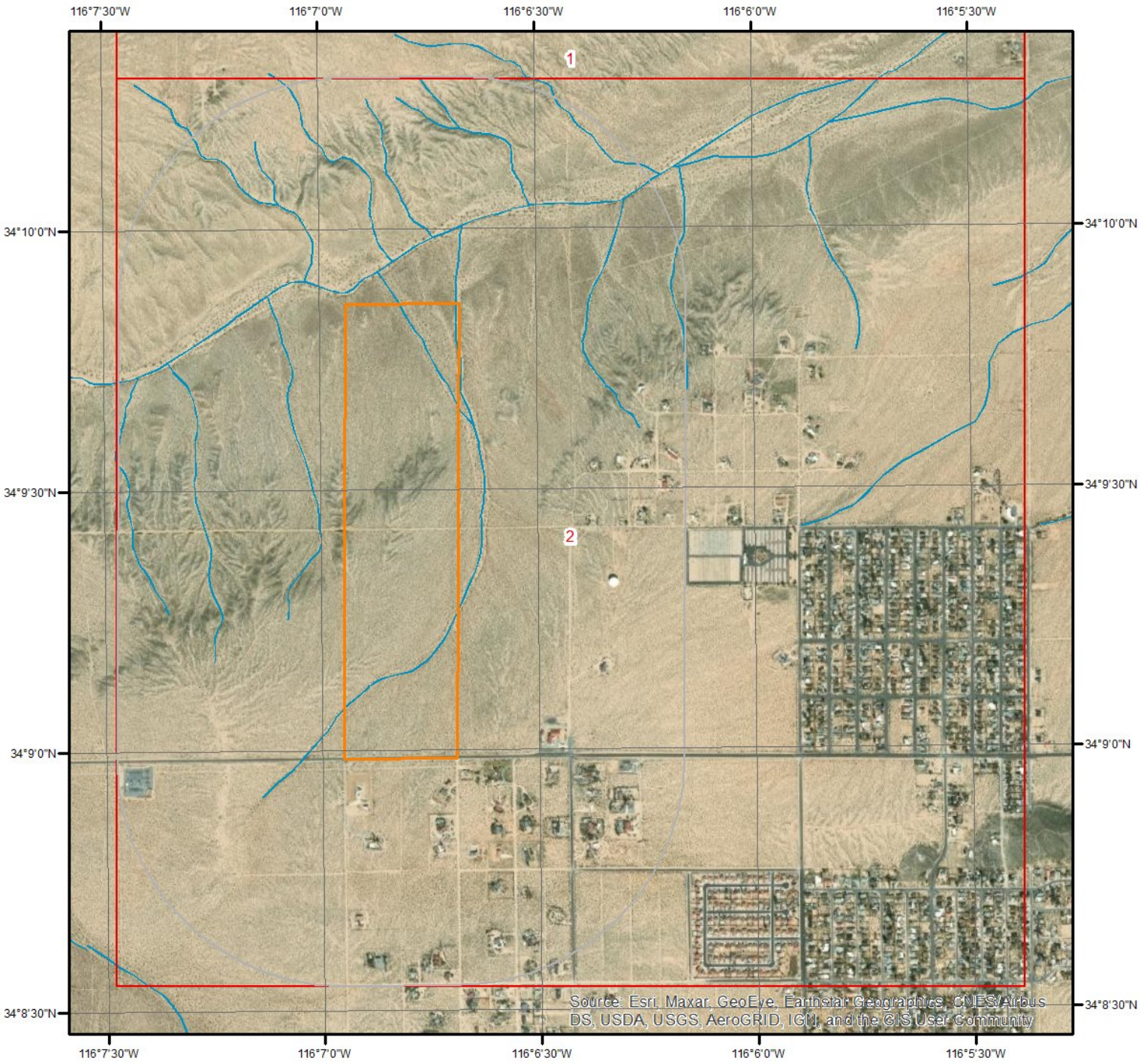
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Hydrologic Information



Wetland Type - Page 2

0 0.125 0.25 0.5 Miles

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4 0.8

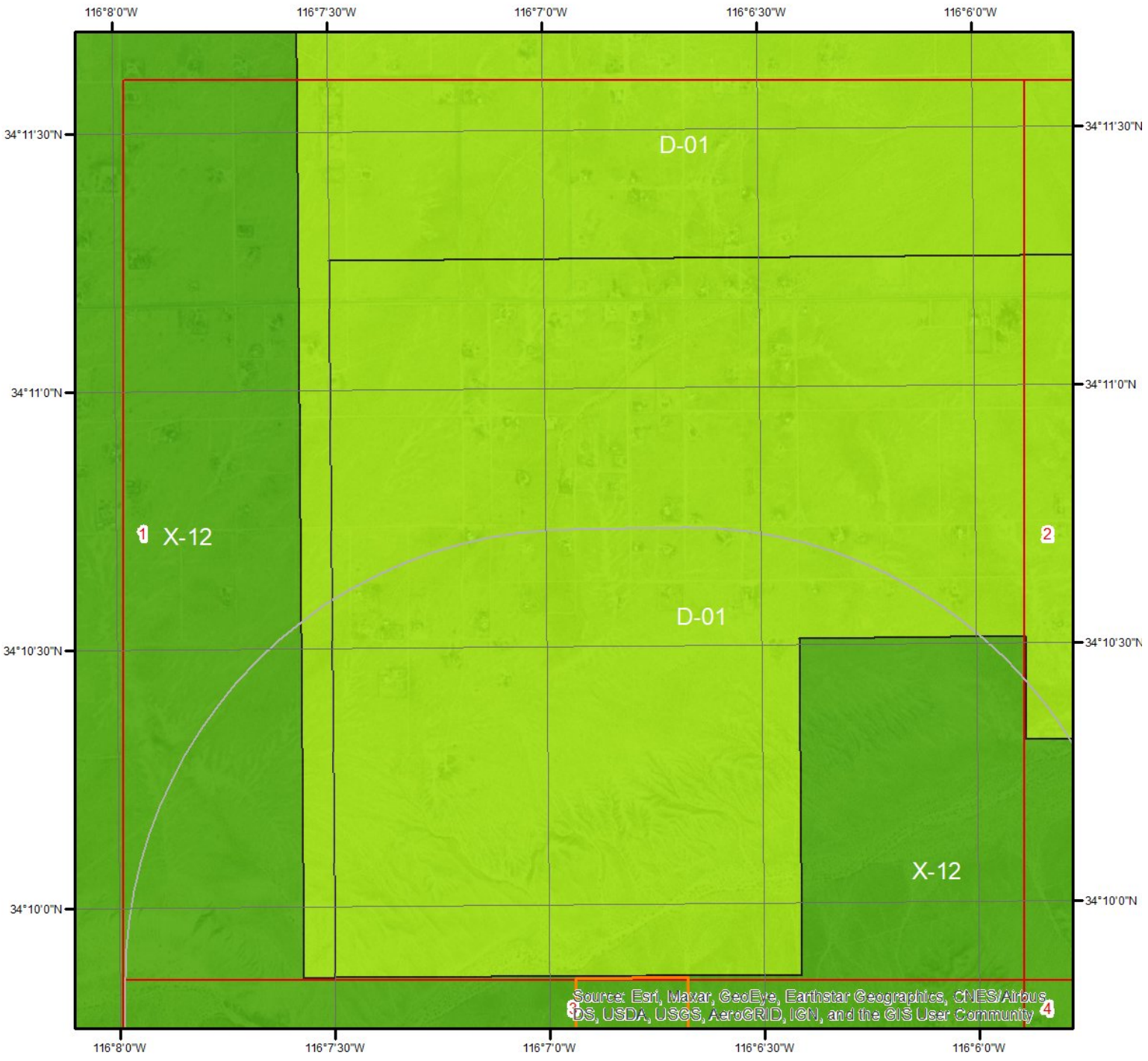
A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

N



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Hydrologic Information



Flood Hazard Zones - Page 1

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

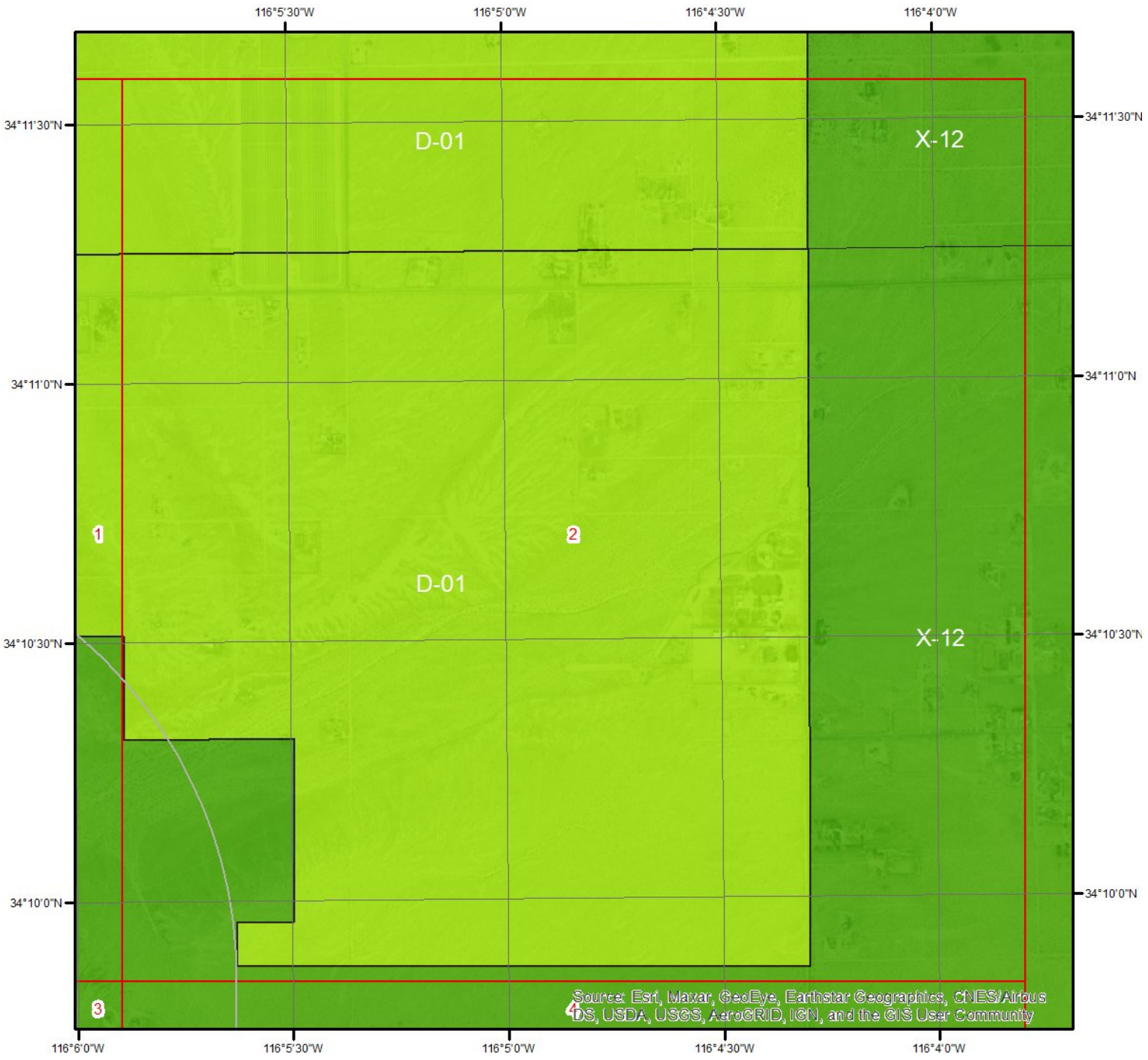
N

06071C8180H
06071C8175H
06071C8190J

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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ENVIRONMENTAL RISK INFORMATION SERVICES

Hydrologic Information



Flood Hazard Zones - Page 2

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

0 0.2 0.4 Miles

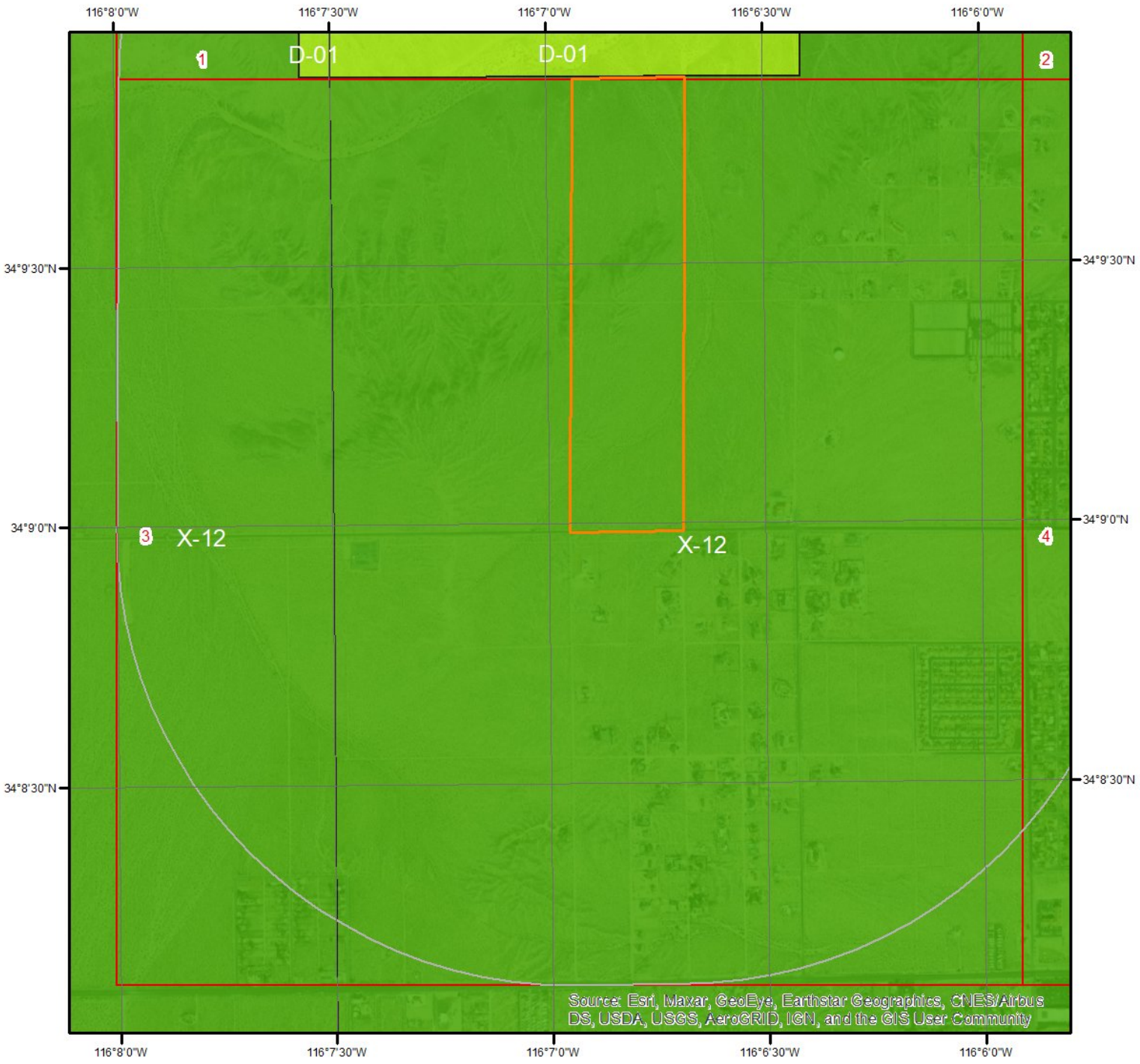
N

06071C8180H

06071C8190J

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ENVIRONMENTAL RISK INFORMATION SERVICES

Hydrologic Information



Flood Hazard Zones - Page 3

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

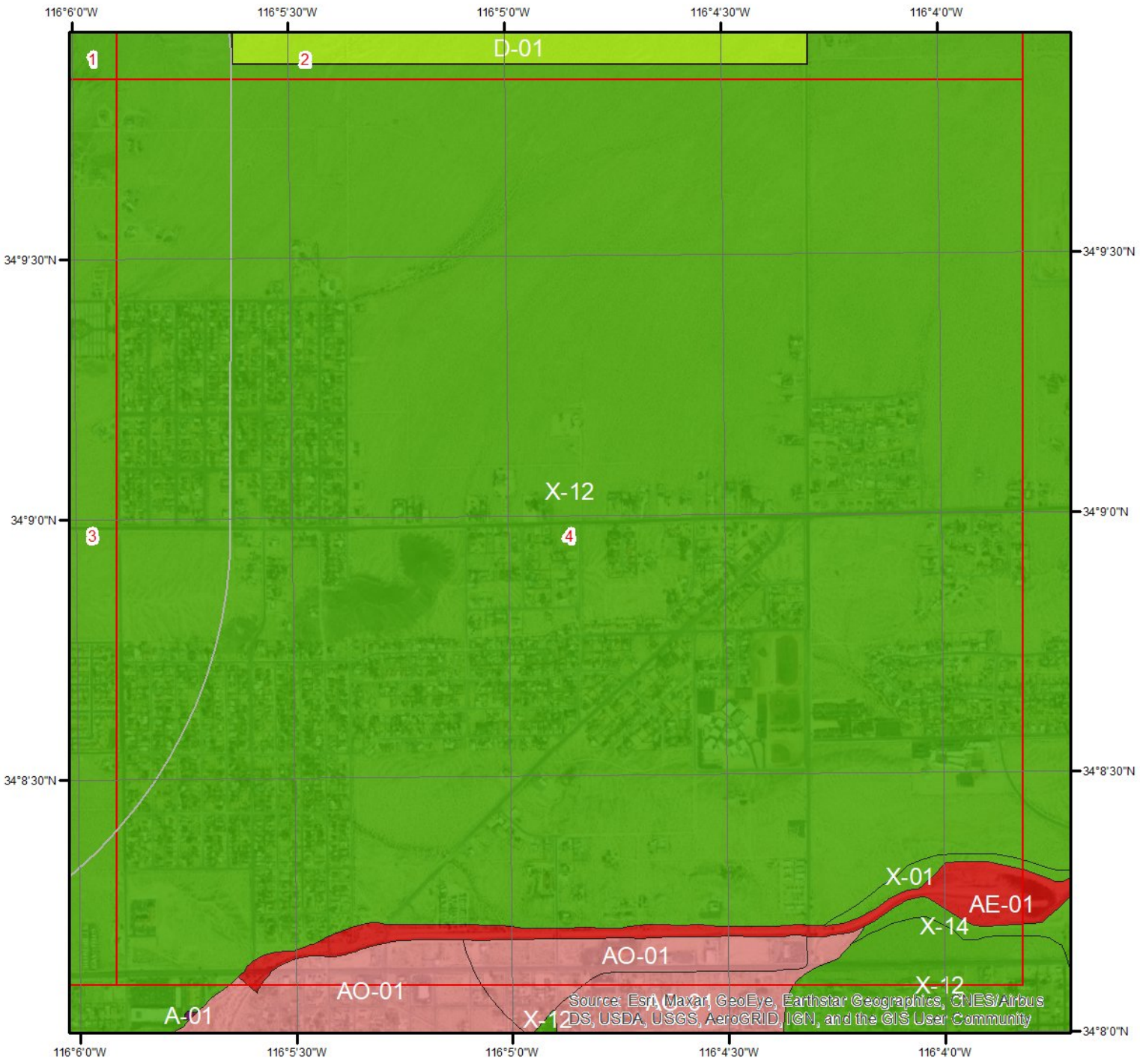
N

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

06071C8175H
06071C8190J

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ENVIRONMENTAL RISK INFORMATION SERVICES

Hydrologic Information



Flood Hazard Zones - Page 4

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

N

06071C8190J

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.

Available FIRM Panels in area:	06071C8175H(effective:2008-08-28) 06071C8190J(effective:2016-09-02)

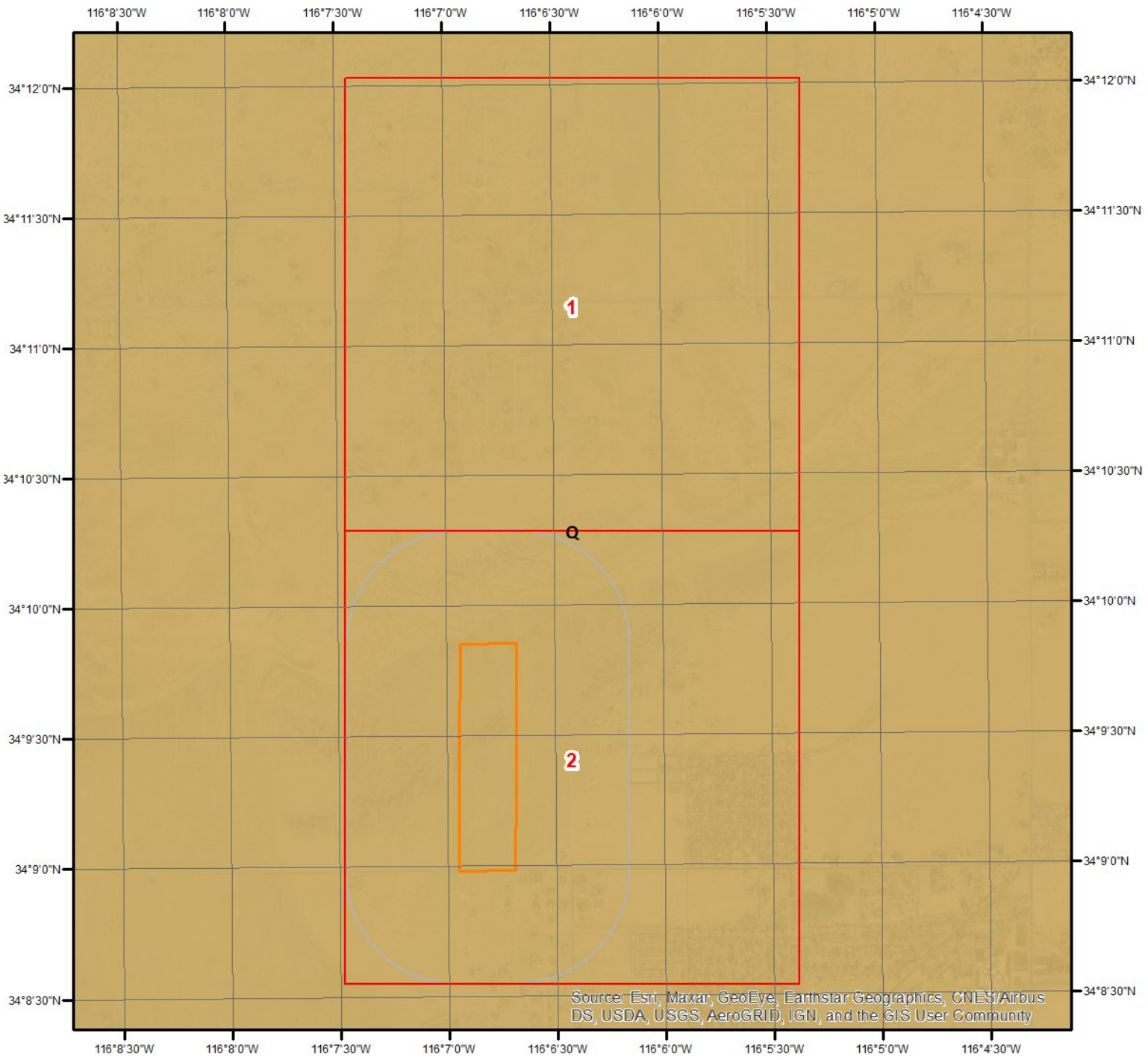
Flood Zone D-01

Zone:	D
Zone subtype:	

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



0 0.2 0.4 0.8 1.2 Miles

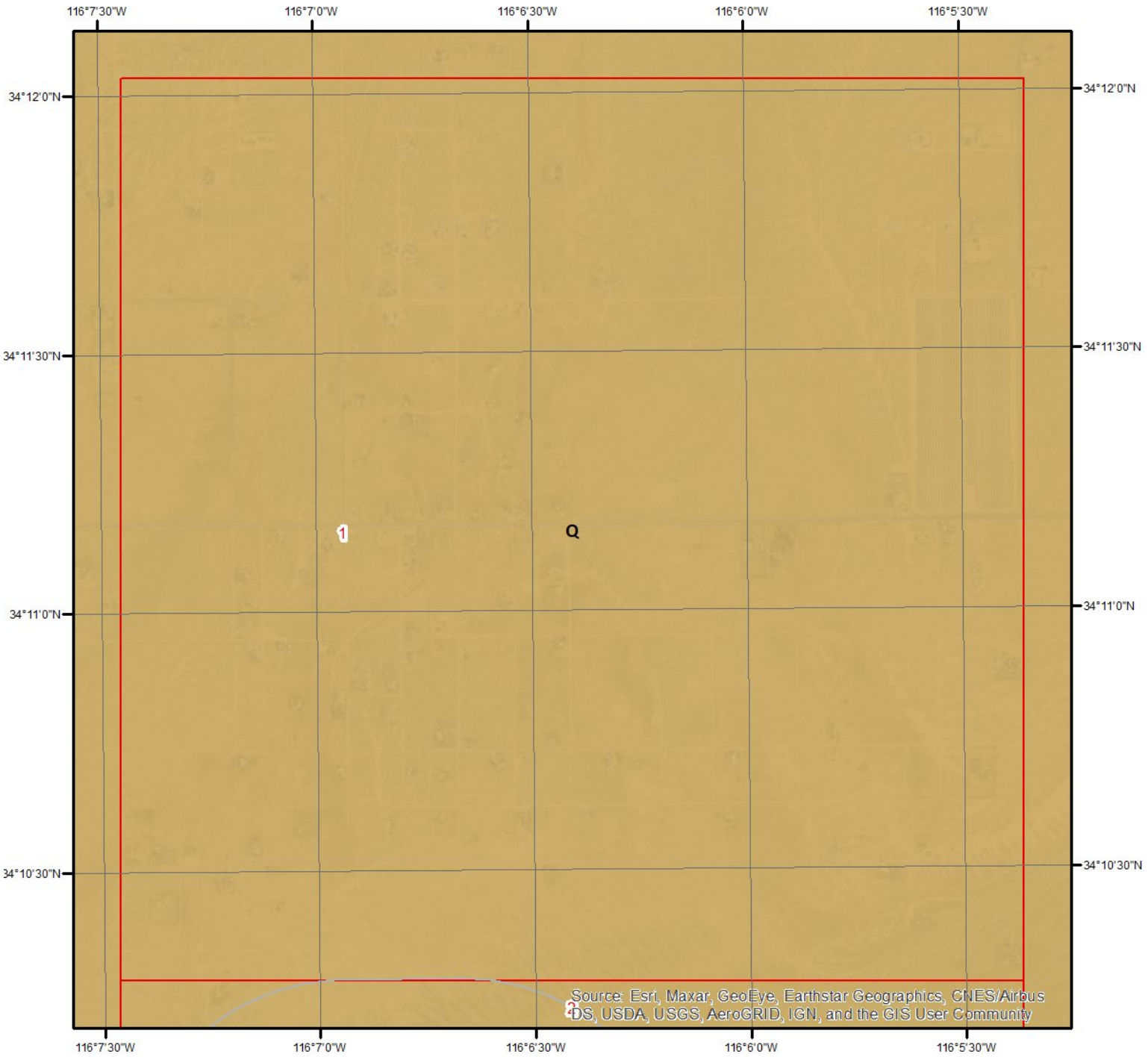
N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information



Miles
0 0.2 0.4

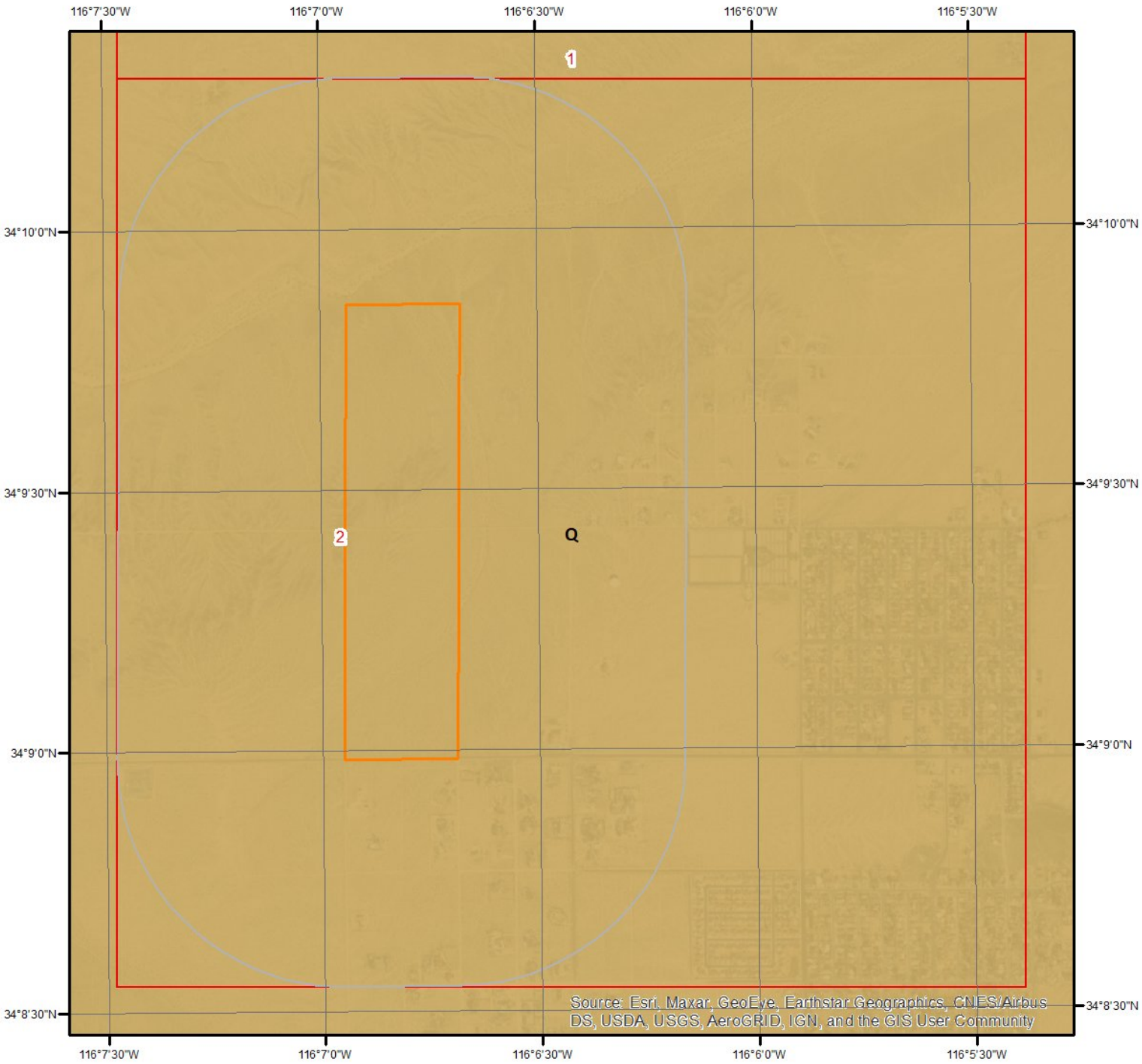
N

Geologic Units - Page 1

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information



Miles
0 0.2 0.4

N

Geologic Units - Page 2

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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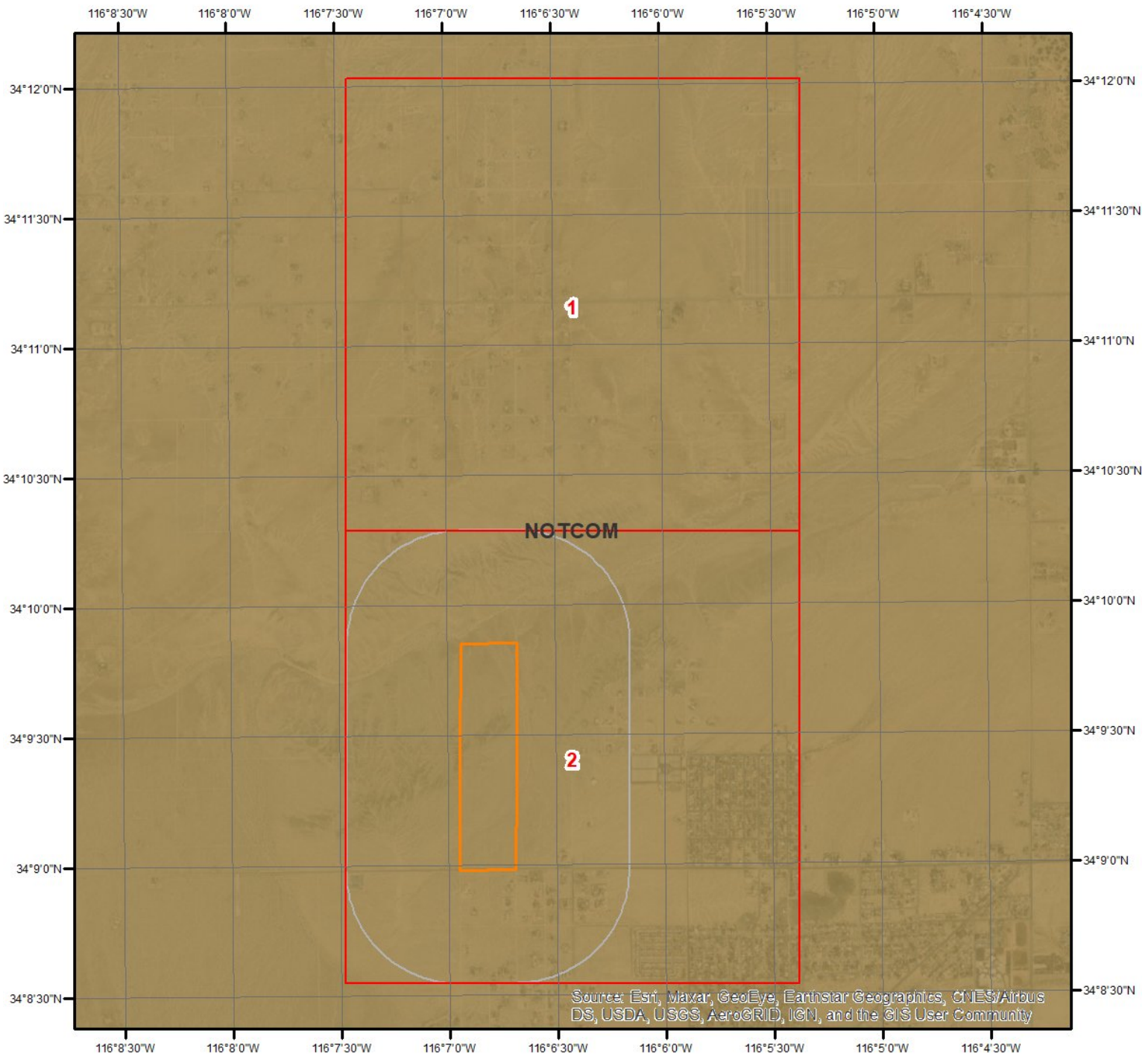
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pliocene to Holocene
Primary Rock Type:	alluvium
Secondary Rock Type:	terrace
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

Soil Information



SSURGO Soils

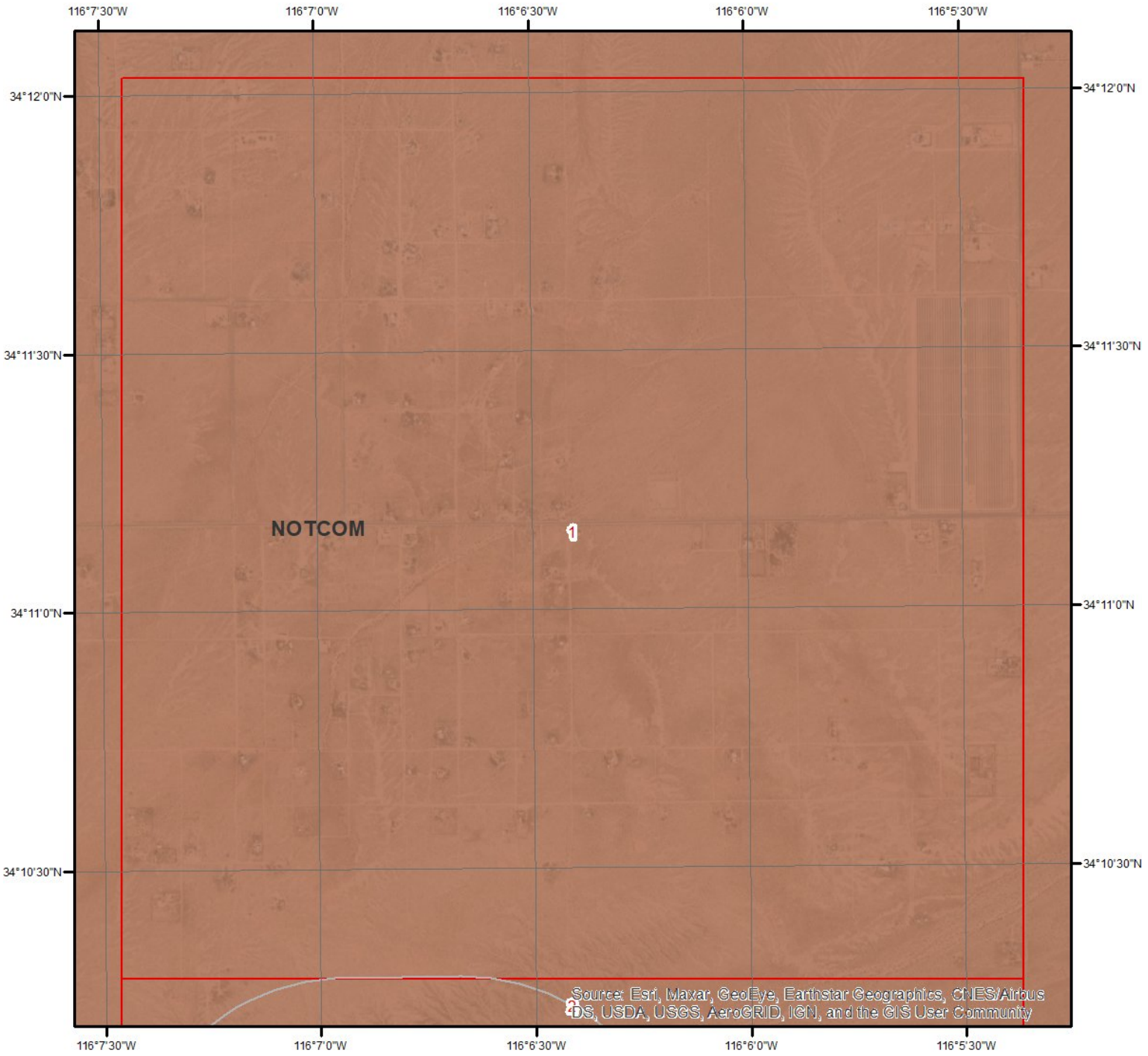
0 0.2 0.4 0.8 1.2 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 1

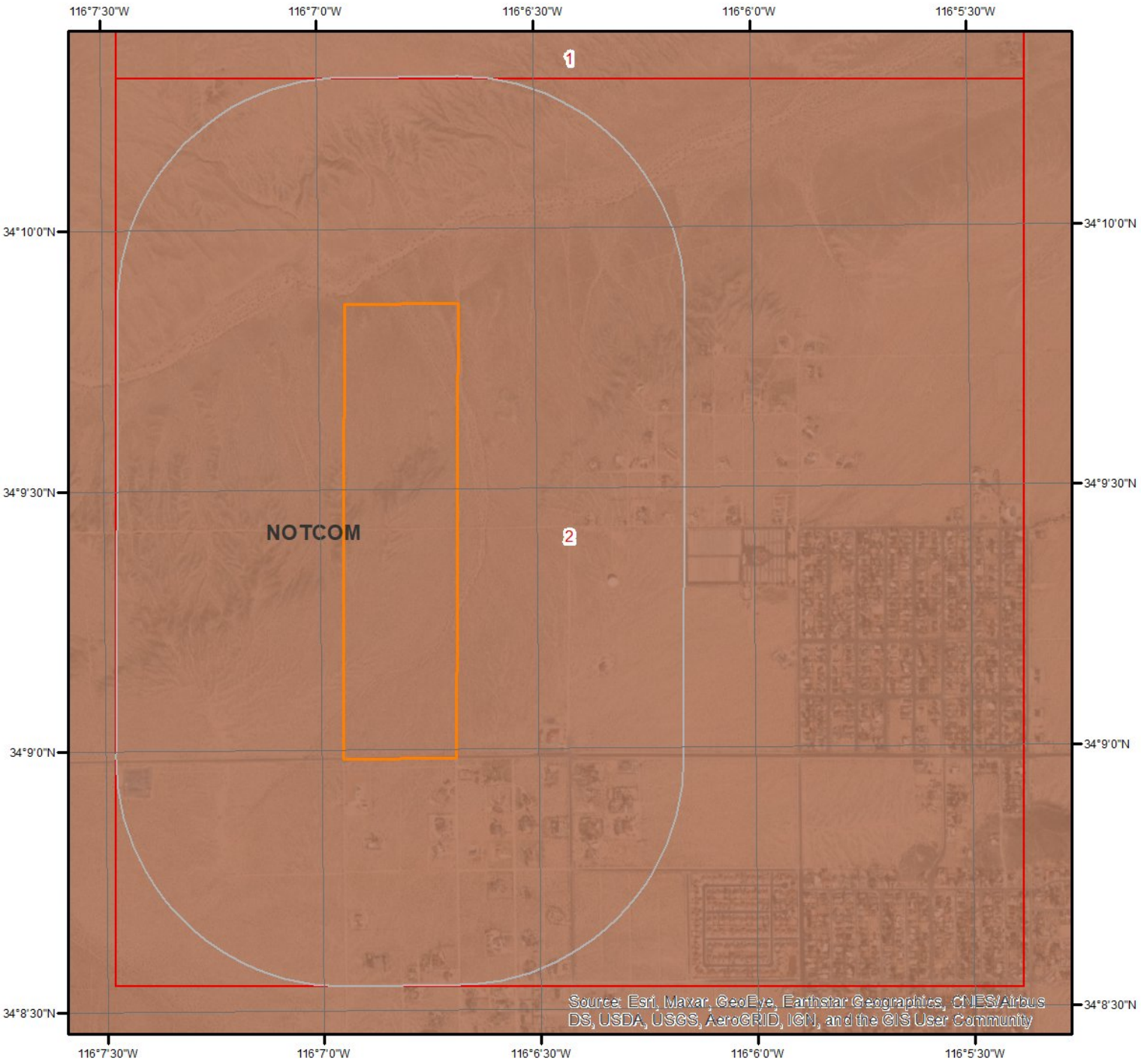
0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 2

Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information

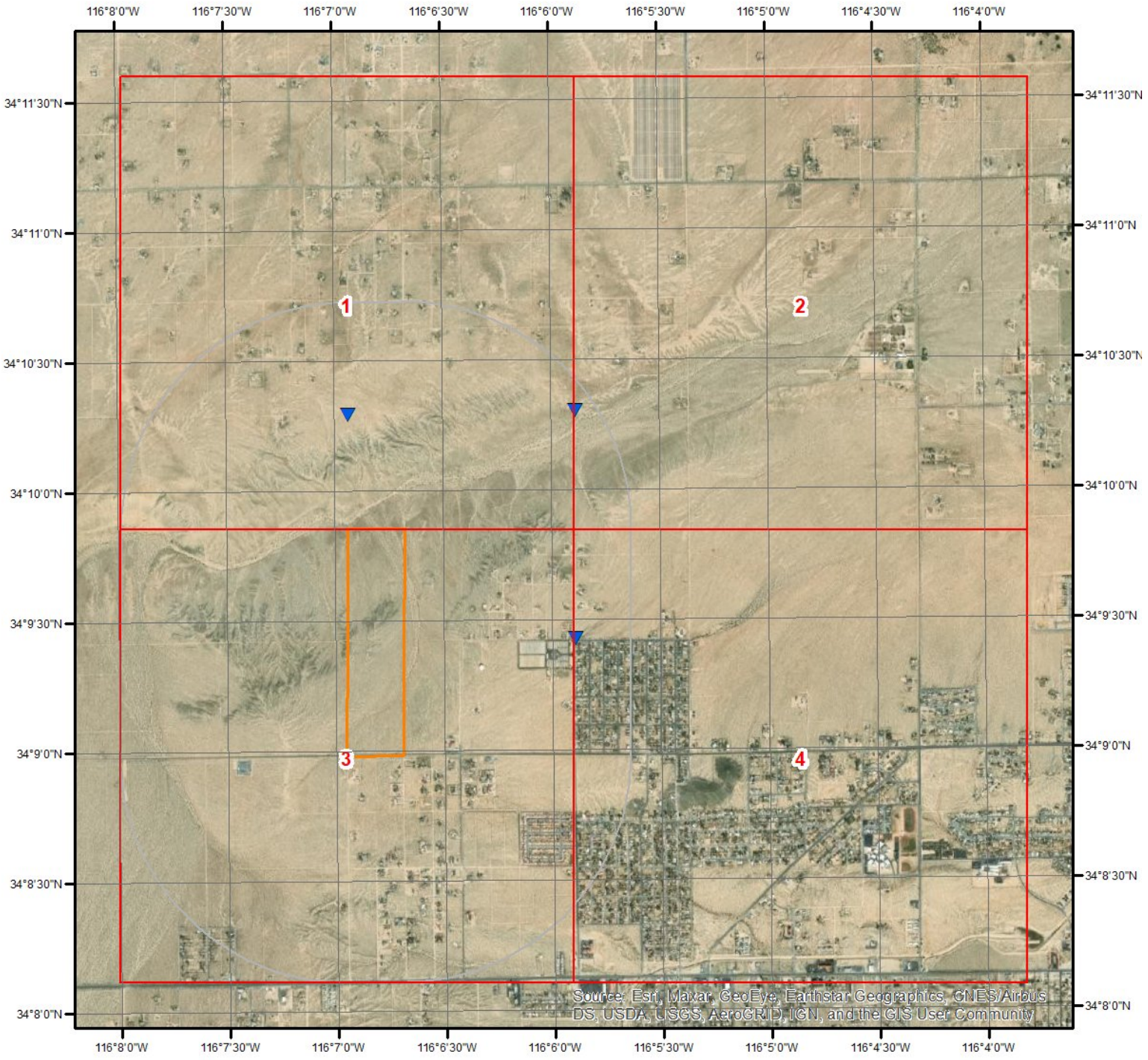
The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit NOTCOM (100.0%)

Map Unit Name: No Digital Data Available

No more attributes available for this map unit

Wells and Additional Sources



Wells & Additional Sources

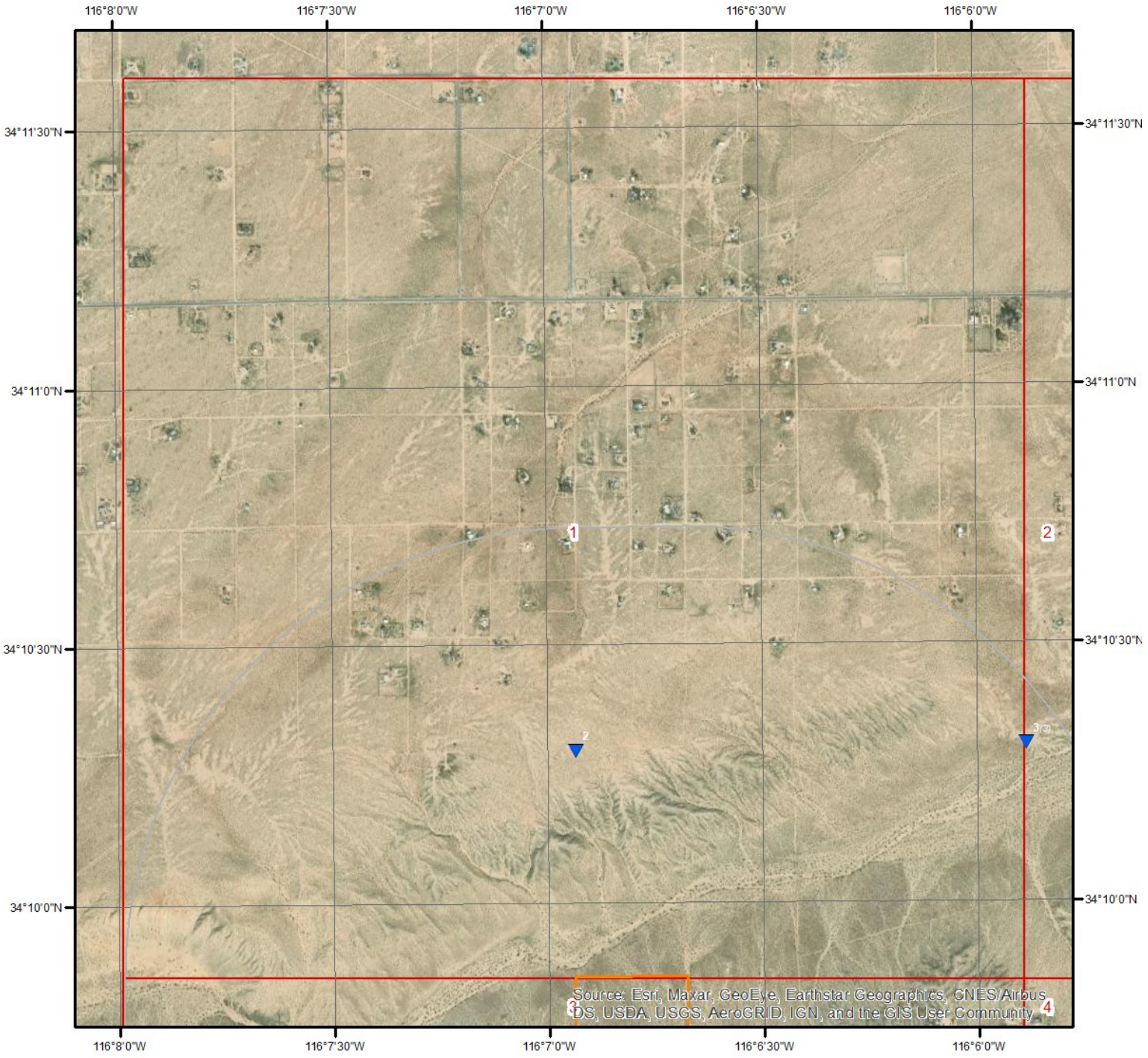
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

N

0 0.3 0.6 1.2 Miles

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 1

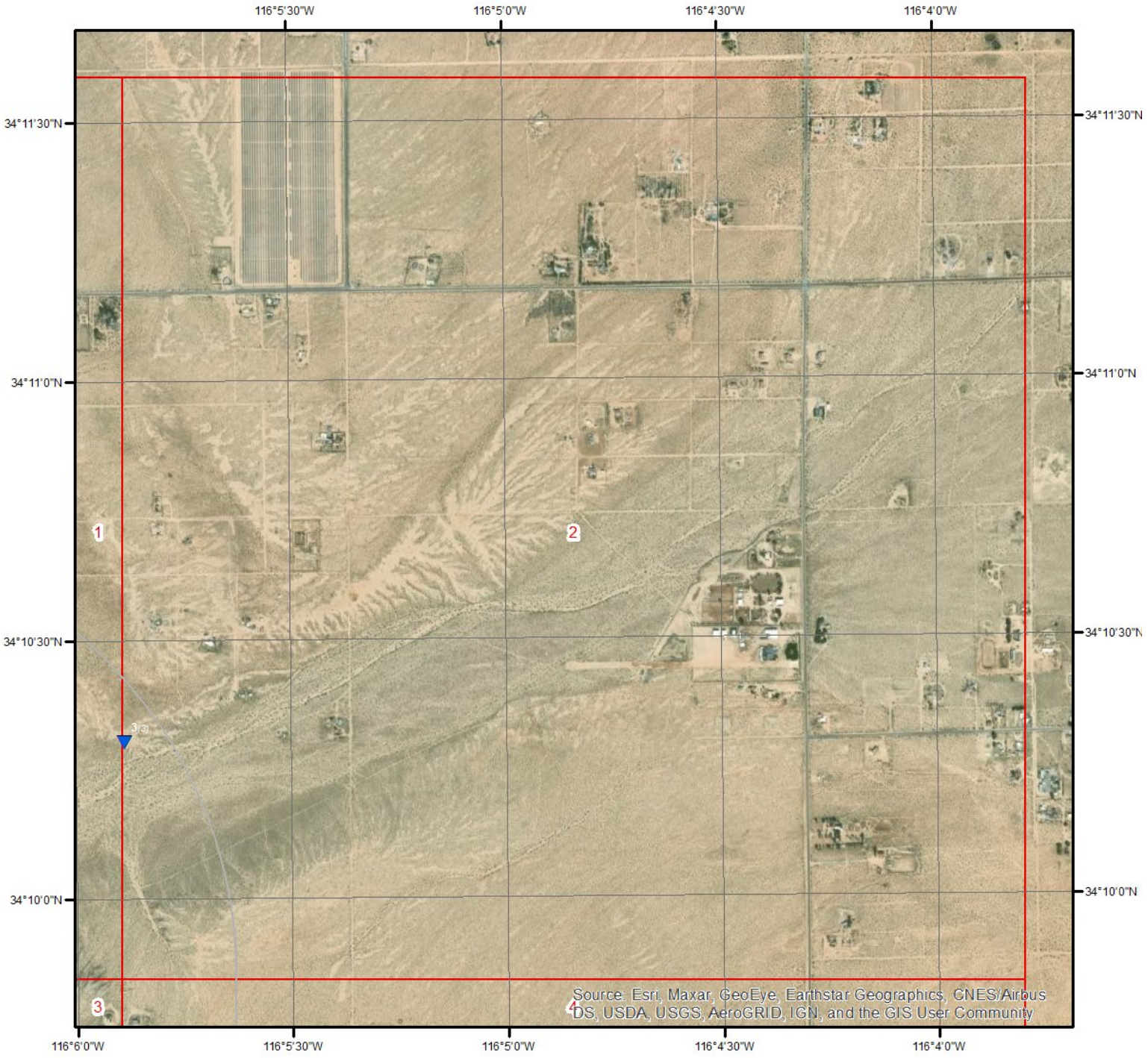
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 2

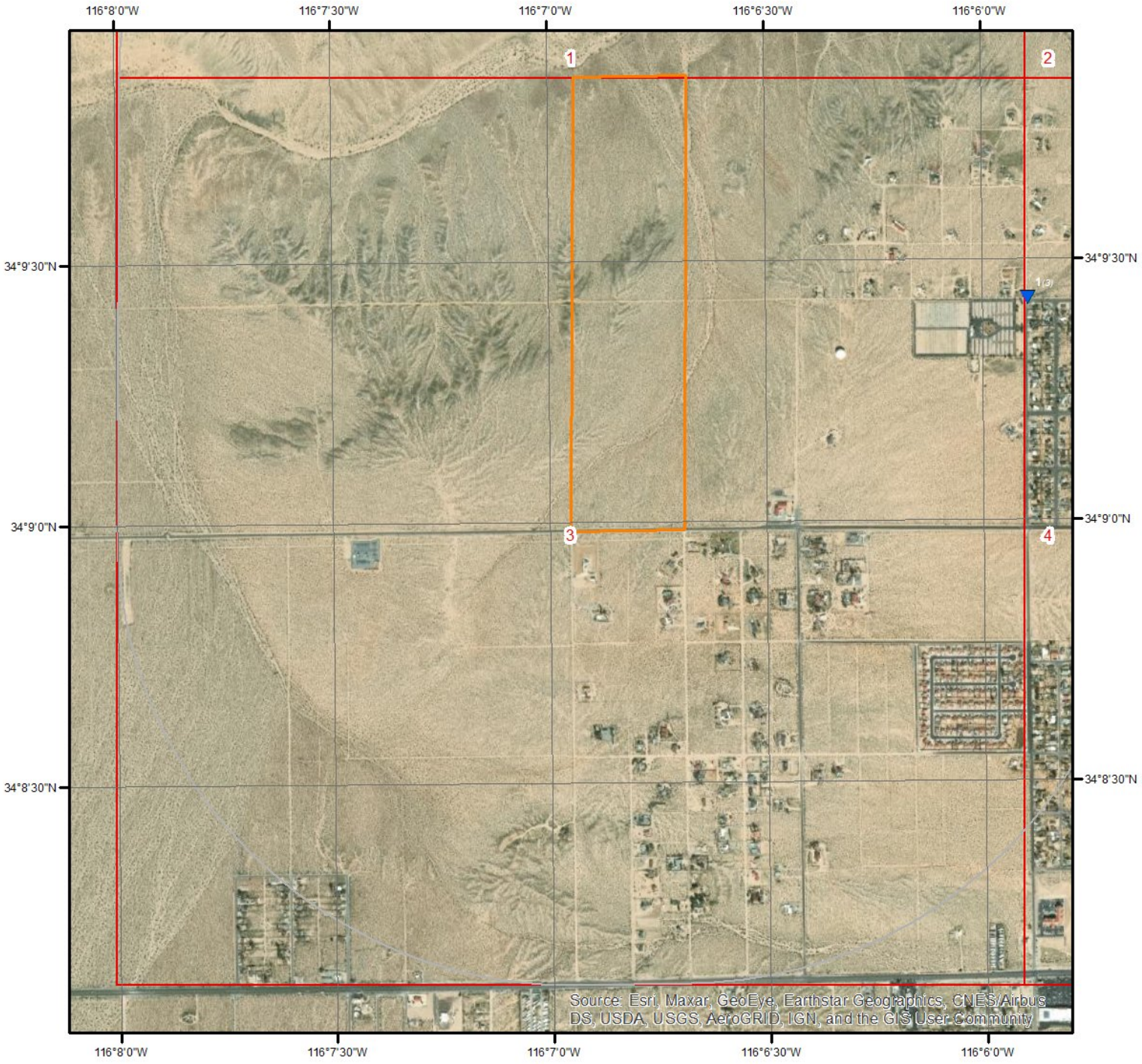
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

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ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 3

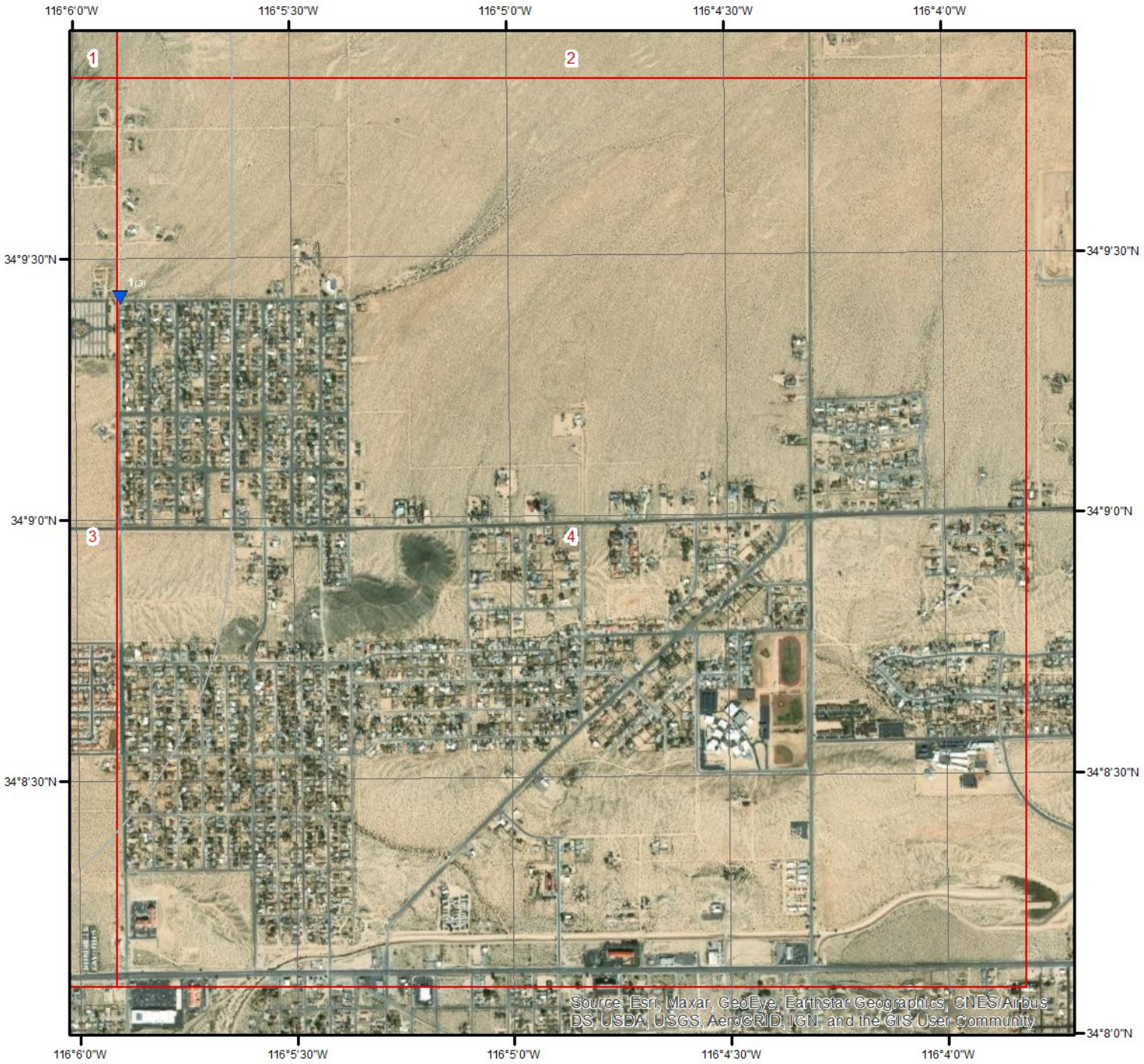
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 4

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
	No records found		

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	ID	Distance (ft)	Direction
	No records found		

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Periodic Groundwater Level Measurement Locations

Map Key	ID	Distance (ft)	Direction
	No records found		

Well Completion Reports

Map Key	WCR No	Distance (ft)	Direction
1	WCR1776-010467	3,989.66	E
1	WCR2002-014136	3,989.66	E
1	WCR1984-008470	3,989.66	E
2	WCR1776-010466	2,650.00	N
3	WCR1980-009431	4,815.92	NE
3	WCR1776-010464	4,815.92	NE
3	WCR1776-010465	4,815.92	NE

Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	E	0.76	3,989.66	2,186.78	WATER WELLS

WCR No:	WCR1776-010467	Casing Diameter:	
Legacy Log No:	None	Fluid:	
APN:		Static Water Level:	
Permit No:		Total Draw Down:	
Permit Date:	-116.09824	Elevation Accuracy:	
Date Work Ended:		Elev Determine Meth:	
Workflow Status:		Well Yield:	
Received Date:		Well Yield Unit:	
Drilling Method:		County Name:	San Bernardino
Total Drill Depth:		Township:	
Total Complete Depth:		Range:	
Test Type:		Section:	
Pump Test Length:		LL Accuracy:	-116.09824
Mth of Determ LL:	34.15708	Baseline Meridian:	
Ground Surf Elev:		Horizontal Datum:	
Planned Former Use:		Vertical Datum:	
Top Perforated Int:		Decimal Latitude:	None
Bottom Perf Intvl:		Decimal Longitude:	San Bernardino
Own Assign Well No:			
Local Permit Agency:	34.15708		
Record Type:	None		
City:			
Region Office:	None		
Well Location:			
Other Observations:			
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	E	0.76	3,989.66	2,186.78	WATER WELLS

WCR No:	WCR2002-014136	Casing Diameter:	
Legacy Log No:	Two Mile Rd, Lupine Ave	Fluid:	
APN:		Static Water Level:	
Permit No:		Total Draw Down:	
Permit Date:	-116.09824	Elevation Accuracy:	
Date Work Ended:		Elev Determine Meth:	
Workflow Status:		Well Yield:	
Received Date:		Well Yield Unit:	
Drilling Method:		County Name:	San Bernardino

Total Drill Depth:		Township:	
Total Complete Depth:		Range:	
Test Type:		Section:	
Pump Test Length:		LL Accuracy:	-116.09824
Mth of Determ LL:	34.15708	Baseline Meridian:	
Ground Surf Elev:		Horizontal Datum:	
Planned Former Use:		Vertical Datum:	
Top Perforated Int:		Decimal Latitude:	Twentynine Palms
Bottom Perf Intvl:		Decimal Longitude:	San Bernardino
Own Assign Well No:			
Local Permit Agency:	34.15708		
Record Type:	Two Mile Rd, Lupine Ave		
City:			
Region Office:	Twentynine Palms		
Well Location:			
Other Observations:			
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	E	0.76	3,989.66	2,186.78	WATER WELLS

WCR No:	WCR1984-008470	Casing Diameter:	
Legacy Log No:	None	Fluid:	
APN:		Static Water Level:	
Permit No:		Total Draw Down:	
Permit Date:	-116.09824	Elevation Accuracy:	
Date Work Ended:		Elev Determine Meth:	
Workflow Status:		Well Yield:	
Received Date:		Well Yield Unit:	
Drilling Method:		County Name:	San Bernardino
Total Drill Depth:		Township:	
Total Complete Depth:		Range:	
Test Type:		Section:	
Pump Test Length:		LL Accuracy:	-116.09824
Mth of Determ LL:	34.15708	Baseline Meridian:	
Ground Surf Elev:		Horizontal Datum:	
Planned Former Use:		Vertical Datum:	
Top Perforated Int:		Decimal Latitude:	Twentynine Palms
Bottom Perf Intvl:		Decimal Longitude:	San Bernardino
Own Assign Well No:			
Local Permit Agency:	34.15708		
Record Type:	None		
City:			
Region Office:	Twentynine Palms		
Well Location:			
Other Observations:			

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	N	0.50	2,650.00	2,175.22	WATER WELLS

WCR No:	WCR1776-010466	Casing Diameter:	
Legacy Log No:	None	Fluid:	
APN:		Static Water Level:	
Permit No:		Total Draw Down:	
Permit Date:	-116.11561	Elevation Accuracy:	
Date Work Ended:		Elev Determine Meth:	
Workflow Status:		Well Yield:	
Received Date:		Well Yield Unit:	
Drilling Method:		County Name:	San Bernardino
Total Drill Depth:		Township:	
Total Complete Depth:		Range:	
Test Type:		Section:	
Pump Test Length:		LL Accuracy:	-116.11561
Mth of Determ LL:	34.17155	Baseline Meridian:	
Ground Surf Elev:		Horizontal Datum:	
Planned Former Use:		Vertical Datum:	
Top Perforated Int:		Decimal Latitude:	None
Bottom Perf Intvl:		Decimal Longitude:	San Bernardino
Own Assign Well No:			
Local Permit Agency:	34.17155		
Record Type:	None		
City:			
Region Office:	None		
Well Location:			
Other Observations:			
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NE	0.91	4,815.92	1,986.44	WATER WELLS

WCR No:	WCR1980-009431	Casing Diameter:	
Legacy Log No:	4488 Morongo Road	Fluid:	
APN:		Static Water Level:	
Permit No:		Total Draw Down:	
Permit Date:	-116.09815	Elevation Accuracy:	
Date Work Ended:		Elev Determine Meth:	
Workflow Status:		Well Yield:	
Received Date:		Well Yield Unit:	
Drilling Method:		County Name:	San Bernardino
Total Drill Depth:		Township:	

Total Complete Depth:		Range:	
Test Type:		Section:	
Pump Test Length:		LL Accuracy:	-116.09815
Mth of Determ LL:	34.17171	Baseline Meridian:	
Ground Surf Elev:		Horizontal Datum:	
Planned Former Use:		Vertical Datum:	
Top Perforated Int:		Decimal Latitude:	None
Bottom Perf Intvl:		Decimal Longitude:	San Bernardino
Own Assign Well No:			
Local Permit Agency:	34.17171		
Record Type:	4488 Morongo Road		
City:			
Region Office:	None		
Well Location:			
Other Observations:			
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NE	0.91	4,815.92	1,986.44	WATER WELLS

WCR No:	WCR1776-010464	Casing Diameter:	
Legacy Log No:	INDIAN TRAIL	Fluid:	
APN:		Static Water Level:	
Permit No:		Total Draw Down:	
Permit Date:	-116.09815	Elevation Accuracy:	
Date Work Ended:		Elev Determine Meth:	
Workflow Status:		Well Yield:	
Received Date:		Well Yield Unit:	
Drilling Method:		County Name:	San Bernardino
Total Drill Depth:		Township:	
Total Complete Depth:		Range:	
Test Type:		Section:	
Pump Test Length:		LL Accuracy:	-116.09815
Mth of Determ LL:	34.17171	Baseline Meridian:	
Ground Surf Elev:		Horizontal Datum:	
Planned Former Use:		Vertical Datum:	
Top Perforated Int:		Decimal Latitude:	None
Bottom Perf Intvl:		Decimal Longitude:	San Bernardino
Own Assign Well No:			
Local Permit Agency:	34.17171		
Record Type:	INDIAN TRAIL		
City:			
Region Office:	None		
Well Location:			
Other Observations:			
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NE	0.91	4,815.92	1,986.44	WATER WELLS

WCR No:	WCR1776-010465	Casing Diameter:	
Legacy Log No:	None	Fluid:	
APN:		Static Water Level:	
Permit No:		Total Draw Down:	
Permit Date:	-116.09815	Elevation Accuracy:	
Date Work Ended:		Elev Determine Meth:	
Workflow Status:		Well Yield:	
Received Date:		Well Yield Unit:	
Drilling Method:		County Name:	San Bernardino
Total Drill Depth:		Township:	
Total Complete Depth:		Range:	
Test Type:		Section:	
Pump Test Length:		LL Accuracy:	-116.09815
Mth of Determ LL:	34.17171	Baseline Meridian:	
Ground Surf Elev:		Horizontal Datum:	
Planned Former Use:		Vertical Datum:	
Top Perforated Int:		Decimal Latitude:	None
Bottom Perf Intvl:		Decimal Longitude:	San Bernardino
Own Assign Well No:			
Local Permit Agency:	34.17171		
Record Type:	None		
City:			
Region Office:	None		
Well Location:			
Other Observations:			
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *SAN BERNARDINO* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *SAN BERNARDINO* County

No Measures/Homes:	17
Geometric Mean:	0.5
Arithmetic Mean:	0.7
Median:	0.7
Standard Deviation:	1
Maximum:	2.9
% >4 pCi/L:	0
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Oil and Gas Wells — **OGW**

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of

Appendix

Oil, Gas and Geothermal Resources.

Periodic Groundwater Level Measurement Locations **MONITOR WELLS**

Locations of groundwater level monitoring wells in the Department of Water Resources (DWR)'s Periodic Groundwater Levels dataset. The DWR Periodic Groundwater Levels dataset contains seasonal and long-term groundwater level measurements collected by the Department of Water Resources and cooperating agencies.

Well Completion Reports **WATER WELLS**

List of wells from the Well Completion Reports data made available by the California Department of Water Resources' (DWR) Online System for Well Completion Reports (OSWCR). Please note that the majority of well completion reports have been spatially registered to the center of the 1x1 mile Public Land Survey System section that the well is located in.

Liability Notice

Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

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State FOIA Request Twentynine Palms, San Bernardino County,CA

"sahil@rsbenv.com" [sahil@rsbenv.com]

Sent: 7/24/2020 4:30 PM

To: ""cepacomm@calepa.ca.gov"" <cepacomm@calepa.ca.gov>

Cc: ""aparajita@rsbenv.com"" <aparajita@rsbenv.com>

Hello,

RSB Environmental is currently conducting the Phase I Environmental Site Assessment for the properties located **at Twentynine Palms, San Bernardino County,CA**

The ASTM Practice E1527-13 Standard Practice of Environmental Site Assessments requires that a records search be conducted with local regulatory departments for information regarding the subject property. Of particular interest are the following items:

- Records regarding hazardous materials usage/storage/incidents or known environmental concerns/contamination which may have affected the property.
- Records regarding above ground or underground storage tank (UST) systems, which are currently or historically located at the property.
- Record of septic systems installation and repairs at the subject property.
- Records of wells in connection with the subject property.

Please call (832.291.3473) or email (sahil@rsbenv.com) to discuss the file information or if you require further information. Thank you for your time and attention regarding this matter.

Best,

Sahil Maan

Environmental Inspector

6001 Savoy Dr. Ste 110
Houston, TX - 77036
Office:832-291-3473
www.rsbenv.com

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Property Information Management System

San Bernardino County

Office of the Assessor

PROPERTY INFORMATION REPORT FOR PARCEL 0612-201-05-0000

Property Information

Property Address (Main Situs) Protected per CA. Govt. Code Sect. 6254.21
Protected per CA. Govt. Code Sect. 6254.21

Owner and Mailing Address PROACTIVE PROPERTIES
Protected per CA. Govt. Code Sect. 6254.21
Protected per CA. Govt. Code Sect. 6254.21

Effective Date 06/29/2005

Parcel 0612201050000
Parcel Status ACTIVE
Parcel Type REAL PROPERTY
Property ID
Tax Status ASSESSED BY COUNTY
Use Code VACANT
Land Access PUBLIC PAVED
Size 25.001 ACRES AND OVER
Land Type SINGLE FAMILY RESIDENTIAL
District JOSHUA TREE
Resp Group REAL PROPERTY
Resp Unit RES ZONE(MAX 14 UTS) &USE EX HPC/MHM(1-14 UTS,CHURC

Current Owners

Name PROACTIVE PROPERTIES

R/I SOLE OWNER
% Int 100.0000000
Type BILLED OWNER
Acquisition Date 04/20/2005
Document Date 04/20/2005
Inactive Date NONE

Document Numbers
20050275477

Legal Parcel Map

Parcel Map	Parcel Nbr	Unit	Book	Page
	0612201050000			

Legal Description

W 1/2 E 1/2 SEC 23 TP 1N R 8E

No Legal Reason for Change Found

No Active Homeowner's Exemptions Found

LOCAL FOIA REQUEST: Twentynine Palms, San Bernardino County,CA

"sahil@rsbenv.com" [sahil@rsbenv.com]

Sent: 7/24/2020 4:28 PM

To: ""Jensen_Kr@sbcity.org"" <Jensen_Kr@sbcity.org>, ""Ledoux_Te@sbcity.org"" <Ledoux_Te@sbcity.org>, ""info@sbcfire.org"" <info@sbcfire.org>

Cc: ""aparajita@rsbenv.com"" <aparajita@rsbenv.com>

Hello,

RSB Environmental is currently conducting **a Phase I Environmental Site Assessment** for the below-mentioned property.

Located at: **Twentynine Palms, San Bernardino County,CA**

As a part of these assessments, we wish to determine whether government agencies possess records on the subject property that may include potential concerns. We request the following information:

-Copies of any records of outstanding or open building or fire code violations at the property.
-Copies of any records indicating the installation and/or removal of an above ground or underground storage tank at the property.
-Copies of any records indicating that the fire department has responded to the property for the purpose of cleaning up a release of hazardous materials.
-Copies of any building permits or any open building permits at the property.
-Copies of Certificates of Occupancy for the property.
-Additionally, **copies of any recent reports on testing done on water well or septic systems near the properties from the Health Department.**

Please call (832.291.3473) or email (sahil@rsbenv.com) to discuss the file information or if you require any further information.

Thank you for your time and attention regarding this matter. Have a great day!

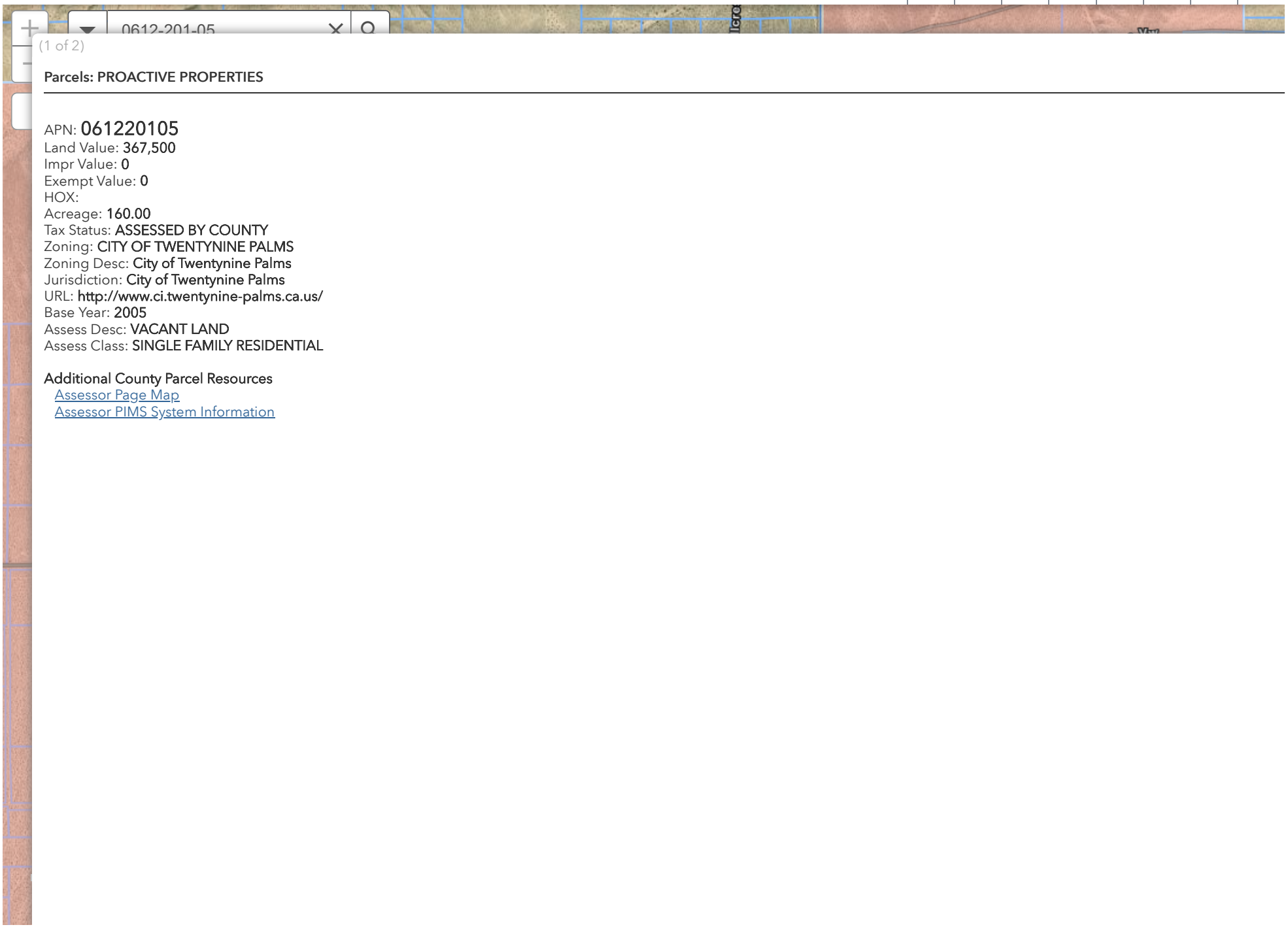
Sahil Maan

Environmental Inspector

6001 Savoy Dr. Ste 110
Houston, TX - 77036
Office:832-291-3473
www.rsbenv.com

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Public San Bernardino County Parcel Viewer



(1 of 2)

Parcels: PROACTIVE PROPERTIES

APN: 061220105
Land Value: 367,500
Impr Value: 0
Exempt Value: 0
HOX:
Acreage: 160.00
Tax Status: ASSESSED BY COUNTY
Zoning: CITY OF TWENTYNINE PALMS
Zoning Desc: City of Twentynine Palms
Jurisdiction: City of Twentynine Palms
URL: http://www.ci.twentynine-palms.ca.us/
Base Year: 2005
Assess Desc: VACANT LAND
Assess Class: SINGLE FAMILY RESIDENTIAL

Additional County Parcel Resources
Assessor Page Map
Assessor PIMS System Information

Appendix F
Qualifications Of Environmental Professionals

SACHIN M. BUTALA, P.E.

SUMMARY AND QUALIFICATIONS:

□echnically proficient □icen□ed □ngineer with □trong acade□ic and work credential□. □areer□□inded indi□idual with dyna□ic e□perience contributing □n□iron□ental □ngineering focu□ed re□ult□ acro□□ a di□er□ity of bu□ine□□e□. □ey □trength□include□

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- Perfor□ en□iron□ental i□pact □tudie□□air□noi□e□water□and □oil pollution □itigation □y□te□ de□ign for Refinery□□□□□and □ariou□Petroche□ical Project□.
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EDUCATION:

M□S□□R □□ □□□□□□□R□□□ □□ **ENVIRONMENTAL** — □ece□ber 2002
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□□V□RS□□□ □□P□□□ — P□□□□□□□□□

PROFESSIONAL EXPERIENCE:

ENVIRONMENTAL CONSULTANT — 2005 – PRESENT
RSB ENVIRONMENTAL

- Prepare 2000 plu□ □n□iron□ental Site□ □□□e□□□ent□ □□S□□□Property □ondition□ □□□e□□□ent□ □P□□□□and to deter□ine the potential for liability fro□ en□iron□ental i□pair□ent utili□ing re□iew□ of State and □ederal en□iron□ental record □ource□□ phy□ical □etting □ource□□ hi□torical infor□ation□ □ite reconnai□□ance□ and inter□iew□□per □S□M Standard□.
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HSE MANAGER — 2007 – 2012
KBR — □□□S□□□□□□

- Re□iew and finali□e **Due Diligence** report□ prepared in the country to □ini□i□e corporate liability and reduce potential e□po□ure to future litigation□.
- □o□plete □S□M ba□ed Property □ondition □□□e□□□ent□ □P□□□□Pha□e 1 □n□iron□ental Site □□□e□□□ent□ □□S□□and □on□truction Monitoring □□M□for the co□□ercial real e□tate □arket.
- Pri□ary re□pon□ibilitie□ include co□□ercial real e□tate □ite a□□e□□□ent□ and detailed engineering report□ for propertie□ that ha□e included retail center□□office co□ple□e□□hotel□□a□□i□ted li□ing facilitie□□indu□trial plant□ and □ulti□a□ily hou□ing co□□unitie□.

PROJECT MANAGER — 2006 – 2007
CAMP DRESSER MCKEE, INC. — V□R□ □□□□□□□□

- □ngineering analy□i□□de□ign□per□itting related to □andfill□□Water and Wa□tewater facilitie□.
- Perfor□ engineering analy□e□□grading plan□de□ign□□odeling pertaining to landfill and landfill ga□□y□te□□

- □er□ee operation and □aintenance of □andfill ga□collection and landfill ga□to energy project□.
- Perfor□ □n□iron□ental Site□ □□□e□□□ent□to deter□ine the potential for liability fro□ en□iron□ental i□pair□ent utili□ing re□iew□ of State and □ederal en□iron□ental record □ource□□ phy□ical □etting □ource□□ hi□torical infor□ation□□ite reconnai□□ance□and inter□iew□□per □S□M Standard□.
- Preparation of Water □□e Per□it and Water □on□er□ation Plan for St. □ucie □ounty □tilitie□
- Prepared □ariou□ □itle V co□pliance report□ for St. □ucie □ounty and Martin □ounty landfill□□ Se□i□□nnual Report□□nnual □perating Report□State□ent of □o□pliance□Major □ir Pollution Source □nnual □□i□□ion□ □ee □or□

ENVIRONMENTAL ENGINEER **2003 – 2006**

S I GROUP, LP □□□□M□□□□ □□□□□□□ S□□□□□□□□□□

- Pro□ided □lean □ir □ct □□□□□regulatory co□pliance □er□ice□ for □etal □anufacturing indu□try in □eau□ont□ □e□a□ □naly□ed production data at the □ariou□ plant□ and deter□ined appropriate e□i□□ion factor□ fro□ a□ailable □ederal □□P□42□and □etal indu□try trade a□□ociation□.
- □alculated annual and hourly e□i□□ion□ for particulate□ V□ □□□□ □□ □□ S□2□ □□□ and other appropriate para□eter□. Perfor□ed a regulatory co□pliance re□iew for all applicable regulation□ i□e. M□□□□□□S□□P□etc.□
- Perfor□ Pha□e □□n□iron□ental Site □□□e□□□ent□to □a□ple groundwater and analy□e □oil□□ □edi□ent□□ □urface water□and groundwater.
- Prepare SP□□ plan□□SWPPP application□□□P□ □o□pliance□□S□ □lo□ure□Re□ediation □e□ign□Sub□urface □n□e□tigation plan□.
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COMPUTER S□ILLS:

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CERTIFICATIONS AND TRAINING:

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- □ngineer□□n□□raining□□e□a□□□icen□e □o□36936□□□anuary 2006□
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