

# Appendix I.2

## Phase I Environmental Site Assessment (ESA) Geo Forward, 2023

Travertine SPA  
Draft EIR  
SCH# 201811023  
Technical Appendices

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October 2023



January 11, 2023

**Mark Rogers c/o TRG Land Inc.**  
898 Production Place  
Newport Beach, California 92663

**Phase 1 Environmental Site Assessment**

PORTION OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST  
AND SECTIONS 4 AND 5 TOWNSHIP 7 SOUTH, RANGE 7 EAST, SBM  
La Quinta, California  
**Geo Forward Project Number:** 1951-2022[1]

To Whom It May Concern:

The following Report is a Phase 1 Environmental Site Assessment Report (Phase 1 ESA) prepared by Geo Forward, Inc. (Geo Forward). Geo Forward is delighted to provide the results of this assessment at the above-mentioned property (which is also referred to as the Subject Property from hereon).

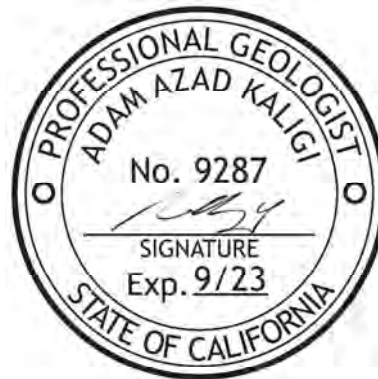
If you have any questions concerning this report, please contact Geo Forward at (888) 930-6604.

Sincerely,

Crystal Toogood  
Staff Environmental Scientist

Michael J. Sabo  
Project Manager  
Environmental Professional

Adam A. Kaligi, PG 9287  
Client Relationship Manager  
Professional Geologist





# Phase 1 Environmental Site Assessment Report



## **Vacant Land: Proposed "Travertine" Development**

PORTION OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST  
AND SECTIONS 4 AND 5 TOWNSHIP 7 SOUTH, RANGE 7 EAST, SBM  
La Quinta, California

Project Number: 1951-2022[1]

January 11, 2023

Prepared by:

**Geo Forward**

Prepared for:

**Mark Rogers c/o TRG Land Inc.**

898 Production Place, Newport Beach, CA 92663

# Executive Summary of the Phase 1 Environmental Site Assessment

Proposed "Travertine" Development

La Quinta, California

Geo Forward Project Number: 1951-2022[1]

January 11, 2023

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## Executive Summary

This Phase 1 Environmental Site Assessment (Phase 1 ESA) conducted by Geo Forward, Inc. (Geo Forward) is in general accordance with the American Society for Testing and Materials (ASTM) Standard Practice E1527-21, and the United States Environmental Protection Agency (USEPA) Standards and Practices for [All Appropriate Inquiries \(AAI\)](#) under [Comprehensive Environmental Response, Compensation and Liability Act \(CERCLA\) in 40 CFR](#). This Phase 1 ESA substantially complies with the scope of services and ASTM 1527-21, as amended, except for exceptions and/or limiting conditions as discussed in Section 1.3.

As the responsible professionals of this Phase 1 ESA, 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 this part \[40 CFR Part 312\]](#). 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 AAI in conformance with the standards and practices set forth in 40 CFR Part 312.

This Phase 1 ESA is intended to provide Hofmann Land Development Co. (Hofmann Land Development) and TRG Land, Inc. (TRG Land) with an assessment concerning any potential environmental condition (limited to those issues identified in the report) as they exist at the Subject Property.

Any exceptions to, or deletions from, this practice are described above and are also in Section 1.4 of this report.

## Site Vicinity

The Subject Property is located:

- West of Madison Street;
- On the westernmost termination of Avenue 62;
- In a mixed agriculture and undeveloped area of La Quinta, California;
- Portion of Section 33, Township 6 South, Range 7 East and Sections 4 and 5, Township 7 South, Range 7 East, SBM.



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## Adjoining Properties

Adjacent properties currently consist of:

- Vacant land and Groundwater Recharge Basins to the north;
- Vacant land and Groundwater Recharge Basins to the east;
- Vacant land to the south; and
- Vacant land to the west.

## Current Use

The Subject Property currently consists of:

- A rock berm at the northernmost border east of the rocky hill landform;
- Abandoned agricultural plots consistent with a defunct vineyard;
- Mounds of landscaping rocks and boulders immediately north of the defunct vineyard;
- Dirt roads surrounding the defunct vineyard;
- Electrical poles lining the south easterly range of the defunct vineyard;
- Three concrete platforms in close proximity of groundwater wells;
- Monitoring wells (at least 3) in the southern half of the Subject Property; and
- Predominantly undeveloped, vacant land in the southern half of the Subject Property.

## Physical Setting

According to the United States Geological Survey (USGS), Martinez Mountain Quadrangle 7.5-minute series topographic map published in 2015:

- The ground surface of the Subject Property is approximately 167 feet above mean sea level (AMSL).
- Contour lines in the general area of the Subject Property indicate the ground surface is sloping toward the northeast.



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## Findings

The following are the notable findings of this Phase 1 ESA:

- The Subject Property is comprised of 22 parcels totaling 855.4 acres of undeveloped land. Access to the Subject Property is provided from Avenue 62 and unpaved roadways. Stormwater is removed from the Subject Property via sheet flow action and infiltration across the unpaved surfaces towards washes and small tributaries onsite flowing towards the northeast. Prominent landforms on the Subject Property consist of: an extension of a rocky hill landform of Coral Mountain in the northeast region, a large natural wash basin immediately south of the defunct vineyard, and various smaller wash tributaries throughout the southern half of the Subject Property.
- Based on a review of historical records (topographic maps, aerial images, city directories, and more), the Subject Property was vacant land from 1941 to 1984 and reasonably presumed undeveloped prior to 1941. The northern half of the Subject Property was first developed with a grape vineyard sometime between 1984 and 1996. Since then, to present day, the grape vineyard has become inoperative. The southern half of the Subject Property has remained undeveloped since 1941 to present day.
- During reconnaissance by Geo Forward, apparent dumping and stockpiling of potentially hazardous waste containing materials was observed on the southern half of the Subject Property. Dumping and stockpiling of potentially hazardous waste containing materials items included construction debris, asbestos-cement piping (ACM), and unlabeled, rusted drums and containers the shape and size of paint cans, paint thinner cans, oil, kerosine and other potentially hazardous materials. The likely presence of hazardous materials in the region in which dumping and stockpiling of potentially hazardous waste containing materials is present is considered a REC at the Subject Property.
- Additionally, the northern half of the Subject Property comprised an inoperative grape vineyard, which is reasonably presumed to have been subjected to herbicides and pesticides use during its operation. The likely presence of residual hazardous materials in shallow soils is considered a REC at the Subject Property.
- Three water wells (W1, W2, W3) were observed along the vineyard and the extension of Avenue 62; as well as a potential water well (W4) with a concrete base and steel pipe dating as early as the late 1800's (please refer to Figure 2). Additional monitoring wells (MW1, MW2) were located in the southern half of the Subject Property. The status of all wells located on the Subject Property are currently unknown, (whether functioning or abandoned) and it is suggested that a copy of all documents pertaining to the onsite groundwater wells and monitoring wells are obtained and reviewed, in order to properly maintain or abandon the wells.



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## Summary of Recognized Environmental Conditions (REC)

Per the ASTM Standard, a [Recognized Environmental Condition \(REC\)](#) is defined as the presence or likely presence of any hazardous substance or petroleum product on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or the ground, groundwater, or surface water of the Subject Property. The term includes hazardous substances and petroleum products even under conditions that might comply with laws.

The term is not intended to include "de minimis" conditions that do not present a threat to human health and/or the environment and that would not be subject to enforcement action if brought to the attention of appropriate governmental agencies.

This table is for summary purposes only. For a detailed description of any concern mentioned here, please refer to Section 7.0 of the report below.

This assessment has revealed no evidence of RECs in connection with the Subject Property, except for the following:

- During reconnaissance by Geo Forward, apparent dumping and stockpiling of potentially hazardous waste containing materials was observed on the southern half of the Subject Property. Dumping and stockpiling of potentially hazardous waste containing materials items included construction debris, asbestos-cement piping (ACM), and unlabeled, rusted drums and containers the shape and size of paint cans, paint thinner cans, oil, kerosine and other potentially hazardous materials. The likely presence of hazardous materials in the region in which dumping and stockpiling of potentially hazardous waste containing materials is present is considered a REC at the Subject Property.
- Additionally, the northern half of the Subject Property comprised an inoperative grape vineyard, which is reasonably presumed to have been subjected to herbicides and pesticides use during its operation. The likely presence of residual (potentially carcinogenic) chemicals in shallow soils is considered a REC at the Subject Property.



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## Summary of Historical Recognized Environmental Conditions (HREC)

Per the ASTM Standard, a [Historical Recognized Environmental Condition \(HREC\)](#) is defined as an environmental condition which would have been considered a REC in the past, but is no longer an REC based on other environmental assessments, government evaluations and/or regulatory agency closures.

This table is for summary purposes only. For a detailed description of any concern mentioned here, please refer to Section 7.0 of the report below.

No HRECs were observed at the Subject Property, other than the following:

- **Geo Forward did NOT identify any HRECs during this assessment.**

## Summary of Controlled Recognized Environmental Conditions (CREC)

Per the ASTM Standard, a [Controlled Recognized Environmental Condition \(CREC\)](#) is defined as a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

This table is for summary purposes only. For a detailed description of any concern mentioned here, please refer to Section 7.0 of the report below.

No CRECs were observed at the Subject Property, other than the following:

- **Geo Forward did NOT identify any CRECs during this assessment.**

## Summary of Environmental Issues

Per the ASTM Standard, an Environmental Issue is defined as environmental concerns identified by Geo Forward, which do not qualify as RECs; however, they require discussion.

This table is for summary purposes only. For a detailed description of any concern mentioned here, please refer to Section 7.0 of the report below.

No Environmental Issues were observed at the Subject Property, other than the following:

- **Geo Forward did NOT identify any Environmental Issues during this assessment.**



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## Summary of De Minimis Environmental Conditions

De minimis environmental conditions do not present a threat to human health and/or the environment and that would not be subject to enforcement action if brought to the attention of appropriate governmental agencies.

This table is for summary purposes only. For a detailed description of any concern mentioned here, please refer to Section 7.0 of the report below.

This assessment has revealed no evidence of De Minimis Concerns in connection with the Subject Property, except for the following:

- **Geo Forward did NOT identify any De Minimis Concerns during this assessment.**

## Conclusions & Recommendations

Based on the findings mentioned above, the following are Geo Forward's recommendations:

- Obtain a copy of all documents pertaining to the onsite groundwater wells and monitoring wells to ensure proper maintenance or abandonment under the appropriate regulatory oversight.
- Conduct a Limited Phase II Subsurface Investigation to determine if the subsurface media has been impacted by volatile organic compounds (VOCs), heavy metals, petroleum hydrocarbons (TPH) and/or pesticides/herbicides originating from the defunct grape vineyard and dumping and stockpiling of potentially hazardous waste containing materials on the Subject Property.
- A site-specific Soils Management Plan (SMP) should be developed for the Subject Property and implemented during excavation and grading for the proposed development project. The SMP is intended to describe the protocol for managing (potentially contaminated) soils and disposing of (potentially hazardous) debris, as well as guidelines for handling known and/or undocumented subsurface features if they are found.
- Although the researched information above does not indicate that any subsurface anomalies (such as underground tanks, clarifiers, pipelines, etc.) exist at the Subject Property (but for the six [6] wells mentioned previously), it cannot be fully ruled out with a property such as this. Thus, Geo Forward always recommends practicing caution when developing, grading, or excavating at the Subject Property, with the presumption that one or more unknown/undocumented subsurface anomalies may exist.



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## **- End of Executive Summary -**

Please feel free to contact us at (888) 930-6604 and/or [support@geoforward.com](mailto:support@geoforward.com) to obtain a price quote for any other services recommended by this Phase 1 ESA.



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## 1.0 OVERVIEW

Geo Forward was hired by Ms. Lisa Hofmann Morgan (representing Hofmann Land Development Co.) and Mr. Mark Rogers (representing TRG Land Inc.) to conduct a Phase I Environmental Site Assessment (ESA) of the property located at PORTION OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST AND SECTIONS 4 AND 5, TOWNSHIP 7 SOUTH, RANGE 7 EAST, SBM, La Quinta, California (Subject Property).

This Phase 1 ESA is in general accordance with the American Society for Testing and Materials (ASTM) Standard Practice E1527-21, and the United States Environmental Protection Agency (USEPA) Standards and Practices for [All Appropriate Inquiries \(AAI\)](#) under [Comprehensive Environmental Response, Compensation and Liability Act \(CERCLA\)](#) in 40 CFR.

This Phase 1 ESA substantially complies with the ASTM E1527-21 standard, except for exceptions and/or limiting conditions as discussed in Section 1.3. Building materials were reasonably presumed during this assessment based on limited observations and with reference to the original dates of construction. Please refer to Section 1.3 to review any other project-specific data gaps, exceptions, or deletions in this assessment.

On January 4, 2023, Azad Kaligi and Crystal Toogood of Geo Forward conducted a physical inspection of the Subject Property to assess the possible presence of environmental conditions and other non-ASTM environmental issues. Geo Forward's assessment included a review of ASTM-defined sources of historical information, reconnaissance of adjoining properties, background research, and a review of available local, state, and federal regulatory records.

As the responsible professionals of this Phase 1 ESA, 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 this part [40 CFR Part 312]. 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 AAI in conformance with the standards and practices set forth in 40 CFR Part 312.

### 1.1 Parties

This Phase 1 ESA is intended to provide Hofmann Land Development Co. (Hofmann Land Development) and TRG Land Inc. (TRG Land) with an assessment concerning any potential environmental condition (limited to those issues identified in the report) as they exist at the Subject Property. As indicated by Geo Forward Proposal Number 1951-2022[1], Geo Forward understands that the purpose of this Phase 1 ESA is to assist the Report User (Hofmann Land Development and TRG Land) in making a credit decision in a real estate transaction at or on the Subject Property.

Geo Forward commissioned Environmental Risk Information Services (ERIS) to perform a digital database search for local, state, and federal regulatory records pertaining to environmental concerns for the Subject Property and the properties in the vicinity of the Subject Property.



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Geo Forward is an impartial party to this transaction and has no present or future ownership interest or financial interest in the real estate that is the subject of this Environmental Assessment Report. Geo Forward also has no personal interest or gain with respect to the subject matter of the Environmental Assessment Report or the parties involved, and has no relationship with the Subject Property or the owners thereof which would prevent an independent analysis of the environmental or other conditions of the Subject Property.

## 1.2 Purpose

Geo Forward understands that the purpose of this Phase 1 ESA is for the Report User (Hofmann Land Development and TRG Land) to provisionally check for possible environmental concerns at or on the Subject Property per the industry standards for environmental site assessments. This Phase 1 ESA is intended to provide Hofmann Land Development and TRG Land with an assessment concerning any potential environmental condition (limited to those issues identified in the report) as they exist at the Subject Property. Some observations and notations in this report are purely based on reasonable presumptions, of a professional opinion. These presumptions notations are not to be construed as factual information.

## 1.3 Scope of Services

Geo Forward's Scope of Services for this Phase 1 ESA generally conforms with the ASTM due diligence standards detailed in the ASTM document "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (ASTM designation E1527-2013). Services provided for this project included:

- A review of available current and historical topographic, geologic, and hydro-geologic information pertaining to the Subject Property, along with aerial photographs and fire insurance maps of the Subject Property and the surrounding areas;
- A review of City Directories and available information regarding the historical land use and activities of the Subject Property;
- A physical inspection of the Subject Property to visually and physically observe the current property conditions for evidence of potential RECs;
- A review of regulatory database reports provided by Environmental Risk Information Services (ERIS) (a review within a 1-mile radius of the Subject Property with regards to the EPA's National Priority List Sites and State Superfund Sites;
- A limited review of federal, state, and local regulatory information records for reported potential environmental hazards on or in the vicinity of the Subject Property;
- A limited evaluation of adjacent properties based on visual inspection interviews with site personnel and government records, and
- Interviews with any of the following available parties: the current property owner, the Client, local agency clerks, and real estate affiliates.



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Per the authorized scope of services: neither a Chain of Title Report nor an Environmental Lien and Activity Use Limitations Search Report was included in this Phase 1 ESA. Building materials were reasonably presumed during this assessment based on limited observations and with reference to the original dates of construction.

The findings and conclusions contain all of the limitations inherent in these methodologies, that are referred to in the ASTM E1527-21 standard manual.

## 1.4 Data Gaps

There are no other exceptions to or deletions from the ASTM E 1527-2013 standard practice and the authorized Scope of Services; except for the following:

- A pre-survey questionnaire was not provided to Geo Forward at the time of this assessment.
  - Geo Forward understands that the user of the assessment has no specific prior knowledge of cleanup liens, activity or land use limitations, specialized user knowledge, information about the fair market value, site history, or current site activities. Valuation and environmental information are being collected as part of due diligence measures for the associated transaction.
- A user-data request form was not provided to Geo Forward at the time of this assessment.
  - Geo Forward understands that the user of the assessment has no specific prior knowledge of cleanup liens, activity or land use limitations, specialized user knowledge, information about the fair market value, site history, or current site activities. Valuation and environmental information are being collected as part of due diligence measures for the associated transaction.
- Interviews with all past or current owners, operators, and occupants were not reasonably ascertainable and thus constitute a data gap. However, based on information obtained from other historical sources, this data gap is not expected to alter the findings of this assessment.
- Geo Forward was unable to determine the property for each consecutive year in historical records, which constitutes a data gap. However, based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment.
- The earliest historical resource available for the Subject Property that documented specific site use was a topographic map dated 1941. In the topographic map, the Subject Property was undeveloped. Geo Forward was unable to determine the property use before 1941. It is reasonably presumed that before 1941, the Subject Property was undeveloped. Based on this presumption, the limitation is not expected to impact the overall findings of this assessment.
- The earliest historical resource available for the Subject Property that documented specific site use was an aerial photograph dated 1996. In the aerial photograph, the Subject Property was comprised of agricultural plots. Geo Forward was unable to determine the property use for each and every historical year, which constitutes a data gap. However, based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment.



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- Geo Forward submitted Freedom of Information Act (FOIA) requests to multiple government agencies for information pertaining to hazardous substances, underground storage tanks (USTs), releases, inspection records and more, for the Subject Property and/or adjacent properties. As of this writing, not all agencies have responded to Geo Forward's request. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment.
- On the day of Subject Property reconnaissance by Geo Forward, several areas were not reasonably accessible, due to rugged terrain inaccessible even to the off-road-capable vehicle used for reconnaissance on that day. Geo Forward was unable to conduct full reconnaissance of the site which constitutes a data gap; however, this limitation is not expected to alter the overall findings of this assessment.

The Client has requested the report despite the above-listed limitations.

This Phase 1 ESA does not constitute a regulatory compliance audit of the Subject Property. Copies of the resumes of Geo Forward staff and affiliates involved in the preparation of this report are included in Appendix A.

## 1.5 Assumptions

It should be noted by all Users of this report, that there is always a chance that even with the proper use and application of the ASTM Phase 1 ESA methodologies there can remain unknown environmental conditions at the Subject Property, that have not been identified within the scope of the assessment, or which were not reasonably observable. Although Geo Forward believes the information obtained during this assessment is reliable, we cannot and do not warrant or guarantee that the information provided by these other sources.

## 1.6 Limitations and Exceptions

The findings and conclusions contain all of the limitations inherent in these methodologies, that are referred to in the ASTM E1527-21 standard manual.

The content of this report is strictly limited to the date of the evaluation. No representation of the Subject Property can be made or relied upon after the date of this report. The conclusions are based on the scope of work outlined above, and not on any kind of scientific testing. These methods are a good faith approach to the professional standard practice for conducting a Phase 1 ESA at the Subject Property. No subsurface exploratory drilling or sampling was done under the scope of this work. Unless specifically stated otherwise in the report, no other types of testing, sampling or chemical analyses has been performed.

A fraction of the information used to prepare this report is based on personal interviews with other parties, and a review of the available documents of government agencies. These pieces of information are also subject to the limitations of the accuracy of old documents, reasonable availability, and the accuracy of the recollections of people interviewed. All interviews are only considered if believed to be performed in good faith.

This practice does not address requirements of any state or local laws, state laws or federal laws, and does not intend to address all safety issues (if any).



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Potential environmental concerns outside of the ASTM scope for a Phase 1 ESA include asbestos-containing materials (ACMs), lead-based paint (LBP), radon, and lead in drinking water. Although these issues may affect environmental risk at the Subject Property and warrant discussion and/or assessment, they are not included in the scope of ASTM. Supplementary assessment/testing for these out-of-scope issues can be conducted if specifically requested by Hofmann Land Development or TRG Land.

The content and conclusions in this report are based on the limited information collected during our investigation, our present understanding of the property conditions, and our professional judgment in light of such information at the time this report was prepared. This report only presents Geo Forward's professional opinion, and no warranty, expressed or implied, is made as fact.

## 1.7 User Reliance

This Phase 1 ESA Report is furnished to Hofmann Land Development and TRG Land, and may only be used, quoted, or relied upon by Hofmann Land Development and TRG Land, as well as the specific entities that Geo Forward has prepared any reliance letters for. This report has no other purpose and should not be relied upon by any other person or entity without the written permission of Geo Forward.



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## 2.0 SUBJECT PROPERTY CHARACTERISTICS

### 2.1 User-Provided Information on the Subject Property

As a measure to qualify for the All Appropriate Inquiry (AAI) Landowners Liability Protection program, which is part of the Brownfields Act, the reported User should provide the information with the information listed below. In some cases, not all information can be provided by the Client. In accordance with the ASTM E1527-21 standard, Geo Forward requested any information and topics of knowledge, known by the Client, at the time of this Assessment.

- Geo Forward understands that the user of the assessment has no specific prior knowledge of cleanup liens, activity or land use limitations, specialized user knowledge, information about the fair market value, site history, or current site activities. Valuation and environmental information are being collected as part of due diligence measures for the associated transaction.

### 2.2 Location and Legal Description

The Subject Property is located:

- West of Madison Street;
- On the westernmost termination of Avenue 62;
- In a mixed agriculture and undeveloped area of La Quinta, California.

According to Client-provided information, the Subject Property is recorded with existing assessor's parcel number (APN) information:

- Parcel Numbers – 753-040-014, 753-040-016, 753-040-017, 753-050-007, 753-050-029, 753-060-003, 764-280-057, 764-280-059, 764-028-061, 766-110-003, 766-110-004, 766-110-007, 766-110-009, 766-120-001, 766-120-002, 766-120-003, 766-120-006, 766-120-015, 766-120-016, 766-120-018, 766-120-021, and 766-120-023.
- Legal Description – PORTION OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST AND SECTIONS 4 AND 5, TOWNSHIP 7 SOUTH, RANGE 7 EAST, SBM

Please see the attachments for individual legal descriptions of each Subject Property parcel.

### 2.3 Property and Vicinity General Characteristics

The Subject Property is comprised of 22 parcels totaling 855.4 acres, located within a mixed undeveloped, agricultural and residential area which is characterized by vacant land and single-family residences east of Madison Street. The Subject Property is currently zoned for Low-Density Residential, Medium/High-Density Residential, Neighborhood Commercial, Tourist Commercial, Golf Course, Open Space, and Master Planned Roadways.



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Access to the Subject Property is provided from Avenue 62 and unpaved roadways. Stormwater is removed from the Subject Property via sheet flow action and infiltration across the unpaved surfaces towards washes and small tributaries onsite flowing towards the northeast. Prominent landforms on the Subject Property comprise: an extension of a rocky hill landform of Coral Mountain in the northeast region, a large natural wash basin immediately south of the defunct vineyard, and various smaller wash tributaries throughout the southern half of the Subject Property.

## 2.4 Current Use of the Property

The Subject Property is presently comprised of a defunct grape vineyard and undeveloped, vacant land.

## 2.5 Description of Property Improvements

The Subject Property consists of:

- A rock berm at the northernmost border east of the rocky hill landform;
- Abandoned agricultural plots consistent with a defunct vineyard;
- Mounds of landscaping rocks and boulders immediately north of the defunct vineyard;
- Dirt roads surrounding the defunct vineyard;
- Electrical poles lining the south easterly range of the defunct vineyard;
- Three concrete platforms in close proximity of groundwater wells;
- Monitoring wells (at least 3) in the southern half of the Subject Property; and

Predominantly undeveloped, vacant land in the southern half of the Subject Property.

As the Subject Property is vacant land, no active water, sewer, electricity or gas connections are maintained. However, water utilities and sewer for the surrounding vicinity are provided by Coachella Valley Water District, electrical utilities are provided by Imperial Irrigation District, and natural gas is provided by The Southern California Gas Company.

No other improvements are located at the Subject Property.

## 2.6 Nearby and/or Adjacent Properties

Adjacent and adjoining properties currently consist of:

- Vacant land and groundwater recharge basins to the north;
- Vacant land and groundwater recharge basins to the east;
- Vacant land to the south; and
- Vacant land to the west.



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## 3.0 RECORDS REVIEW

### 3.1 Standard Environmental Record Sources

#### 3.1.1 State & Federal Regulatory Review

Information from standard federal and state environmental record sources was provided through Environmental Risk Information Services (ERIS). Data from governmental agency lists are updated and integrated into one digital database, which is periodically updated by ERIS. The data available provides assistance in identifying and assessing the environmental risk associated with the Subject Property.

Geo Forward understands the accuracy of the radius map feature of this database report is approximately +/-300 feet. However, in some cases, geographic data locations can be insufficient to allow ERIS to properly register the facility locations via the map. These facilities are widely termed by the industry as “un-mappables” or “orphan” sites.

- No orphan sites were identified within the database search.

#### 3.1.2 Subject Property

- The Subject Property was not identified within any of the databases.

#### 3.1.3 Adjacent & Nearby Properties

- The adjacent properties were not identified in the regulatory database report.

#### 3.1.4 Other Sites of Concern

- No other sites of concern were listed in the regulatory database report:

#### 3.1.5 Regulatory Record Review

##### 3.1.5.1 Health Department

Geo Forward requested records for all historical Subject Property addresses from the Riverside County Department of Environmental Health for the Subject Property, to review possible evidence of current and/or historical hazardous materials usage, storage or releases, (as well as underground storage tanks [USTs]).

- No records regarding a release or the presence of AULs on the Subject Property were available for the Subject Property.

##### 3.1.5.2 Fire Department

Geo Forward requested records for all historical Subject Property addresses from the Riverside County Fire Department (RCFD) for the Subject Property, to review possible evidence of current and/or historical hazardous materials usage, storage or releases, (as well as USTs).

- As of the date of this report, Geo Forward has not received a response from the RCFD.



### 3.1.5.3 Air Quality Management District (AQMD)

Geo Forward researched the South Coast Air Quality Management District (SCAQMD) Facility Information Detail (FIND) online database for information regarding any Permits to Operate, Notices of Violation, or Notices to Comply. Record(s) discovered with FIND are related to air emission equipment, which may include dry cleaning machines and underground storage tanks.

- No Permits to Operate, Notices of Violation, or Notices to Comply or the presence of activity use limitations (AULs) were on file for the Subject Property.

### 3.1.5.4 Regional Water Quality Control Board (RWQCB)

Geo Forward researched the SWRCB online database (GeoTracker) for information regarding any releases to the subsurface which may have impacted or threatened a known body of water. The GeoTracker database contains online records for most subsurface contamination cases overseen by the regional districts of the Water Quality Control Board, as well as local City and County environmental agencies.

- No records regarding a release or the presence of AULs on the Subject Property were observed.

### 3.1.5.5 Department of Toxic Substances Control (DTSC)

Geo Forward researched the California DTSC online database (EnviroStor) for information regarding any releases to the subsurface which may have impacted or threatened a body of water.

- No records regarding a release or the presence of AULs on the Subject Property were observed.

### 3.1.5.6 Building Department

Geo Forward requested records from the City of La Quinta Building Department for evidence indicating the developmental history of the Subject Property, and for the presence of documentation relative to underground storage tanks. Geo Forward reviewed the following documentation:

- As of the date of this report, Geo Forward has not received any records from the building department.

### 3.1.5.7 Planning Department

Geo Forward contacted the City of La Quinta Planning Division to identify AULs associated with the Subject Property.

- Based on a review of the available records, there is no indication of AULs at the Subject Property.

### 3.1.5.8 County Recorder/Assessor

According to the Riverside County Assessor's Office:



- No environmentally-related liens or deed restrictions or AUL are apparent against the Subject Property.

### 3.1.5.9 Riverside County Public Records Request Portal

Geo Forward contacted the Riverside County Public Records Request Portal to identify permitted USTs, clarifiers, subsurface features, and industrial wastewater use for the Subject Property.

- As of the date of this report, Geo Forward has not received a response from the agency.

## 3.2 Physical Setting Sources

### 3.2.1 Topography

Based on a review of the United States Geological Survey (USGS), Martinez Mountain, California Quadrangle 7.5-minute series topographic maps published in 2015 the ground surface of the Subject Property is approximately 166 feet above mean sea level (AMSL). Contour lines in the general area of the Subject Property indicate the ground surface is sloping towards the northeast.

Please refer to Figure 1 to view a site vicinity and topographic map with the Subject Property called out.

### 3.2.2 Geology

The prominent landforms surrounding the Subject Property are comprised of Coral Mountain to the north, Martinez Rock Slide to the south, and the Santa Rosa Mountains to the west. The Subject Property is located on the floor of the Coachella Valley and is comprised of alluvial fan deposits sourced from the Santa Rosa Mountains to the south and southwest. Elevation in the Coachella Valley ranges from 230 ft below sea level at the Salton Sea to over 10,000 ft above sea level at nearby mountain peaks. The Coachella Valley is drained mainly via the Whitewater River which flows toward and ultimately deposits into the Salton Sea (USGS 2014). The geologic context of the surrounding region of the Subject Property comprises of Quaternary alluvium and marine deposits, pre-Cenozoic granitic and metamorphic rocks undivided, Mesozoic granitic rocks, and Quaternary large landslide deposits. The Subject Property comprises predominantly of Quaternary Alluvium and Marine Deposits from the Pliocene to Holocene epochs. Approximately less than 10% of the Subject Property comprises of Quaternary large landslide deposits from the Quaternary epoch (ERIS 2023).

### 3.2.3 Hydrogeology

The “Master Plan Hydrology Report” released in January 2021 for an adjoining property located at: A Portion of Sections 27 & 28, Township 6 South, Range 7 East, SBM La Quinta, California provided first-encountered depths to groundwater at an approximate depth of 47 ft bgs. Based the proximity of this location to the Subject Property, groundwater at the Subject Property could be presumed to exist at a similar depth, and could be presumed to flow with the topographic gradient, toward the northeast.



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Based on a review of Colorado River Basin (RWQCB) records, nearby site “White’s Black Gold Station” (52138 Harrison St) is located approximately 6.5 miles northeast of the Subject Property and is overseen as RWQCB case number 7T2236022. According to “Quarterly Status and Remediation Summary Report, Third Quarter 2005,” produced by Stratus Environmental on October 27, 2005, groundwater at this nearby site was encountered at approximately 17.68 feet below ground surface (bgs) and flowed toward the east-southeast (RWQCB 2023).

## 3.2.4 Flood Zone Information

A review of the Flood Insurance Rate Maps, published by the Federal Emergency Management Agency, was performed.

According to Panel Number 06065C2900H, dated April 19, 2017, the Subject Property:

- Is located in Flood Zone D;
- At an area located outside of the 100-year and 500-year flood plains.

## 3.2.5 Oil and Gas Exploration

Web-based information available from the California Geologic Energy Management Division (CalGEM) provides an indication of current or historical exploration or production of oil, gas, or geothermal resources. Additional information is referenced from the ERIS Physical Settings Report, which is included in the Appendices of this Phase 1 ESA Report.

- Based on a review of the CalGEM online database, the Subject Property is over 500 feet away from the nearest oil well or landfill.

## 3.2.6 Records of Water Wells

Geo Forward reviewed the findings of the Federal Reporting Data System (FRDS), searched by ERIS for public water supply wells and their treatment facilities. Additional information is referenced from the ERIS Physical Settings Report, which is included in the Appendices of this Phase 1 ESA Report.

The Subject Property contains a record of one historical water well, Water Completion Report Number: WCR2009-009460, in the southern half of the property boundary at (33.59096, -116.25889) with an elevation of 171.79 ft. Additionally, records indicate the presence of a water well, Water Completion Report Number: WCR1960-002039, approximately 79.64 ft from the Subject Property at (33.60546, -116.25915).

## 3.3 Historical Land-Use Data

The historical uses of the Subject Property and adjoining/adjacent properties were reviewed utilizing city directory records, topographic maps, fire insurance maps, and aerial photographs available from ERIS.



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## 3.3.1 Historical City Directories

City directories have been recorded for all populated areas since the 1800s, and are now a combination of public and private information. City directories are generally not comprehensive and may contain gaps in periods. Geo Forward reviewed historical city directories prepared by ERIS which includes a search of available city directory data at 5-year intervals.

- **Date: 1974, 1977, 1984, 1986, 1996, 2000, 2003, 2012, 2016, 2020, 2022**

- No listings found for Subject Property

Based on a review of the abovementioned content, there are no following are apparent environmental observations about the Subject Property:

## 3.3.2 Historical Topographic Maps

Geo Forward obtained a Historical Topographic Maps from ERIS. The following observations were noted with respect to the Subject Property, and properties surrounding it:

- **Topo Map Date: 1941, 1944, 1959**

- The Subject Property appears to comprise of vacant land.

- **Topo Map Date: 1981, 1988, 1996**

- The Subject Property appears to comprise of vacant land with the addition of 4WD access roads

- **Topo Map Date: 2015, 2018, 2021**

- The Subject Property appears to comprise of vacant land with the addition of 62 Avenue.

Based on a review of the abovementioned content, there are no apparent environmental observations about the Subject Property.

## 3.3.3 Historical Aerial Photograph

Geo Forward obtained historical aerial photographs from ERIS. The aerial photographs were reviewed to indicate the previous land uses of the Subject Property:

- **Date: 1947, 1954, 1968, 1975, 1984**

- The Subject Property appears to consist of vacant, undeveloped land. Adjacent properties currently consist of: vacant to the north; vacant land to the south; vacant land to the east; and vacant land to the west.

- **Date: 1996, 2002, 2004, 2006**

- The Subject Property appears to consist of rectangular agricultural plots on the northern half of the site and vacant land on the southern half of the site. Adjacent properties currently consist of: vacant land to the north; vacant land to the south; vacant land to the east; and vacant land to the west.



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- **Date: 2009, 2012, 2014, 2016, 2018, 2020**

- The Subject Property appears to consist of rectangular agricultural plots on the northern half of the site and vacant land on the southern half of the site. Adjacent properties currently consist of: Vacant land and groundwater recharge basins to the north; vacant land to the south; vacant land and groundwater recharge basins to the east; and vacant land to the west.

Based on a review of the abovementioned content, there is a presumed environmental concern associated with the agricultural vineyards, which were likely subjected to herbicides, pesticides, and/or other toxic (potentially carcinogenic) surface applications.

### 3.3.4 Historical Fire Insurance Maps

Fire insurance maps were created to determine the risk of fire insurance liability in developed and densely populated areas of the country. Geo Forward requested fire insurance maps from ERIS's collection; however, no coverage was available for the Subject Properties or surrounding properties.

### 3.3.5 Additional Environmental Record Sources

No previous reports or other pertinent documentation was provided to Geo Forward for review during the course of this assessment, other than the following:

- Site Location (Exhibit Number 1.3);
- Tentative Tract Map Index Sheet, Prepared by Proactive Engineering Consultants; and
- Illustrative Map of the Proposed Travertine Development.



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## 4.0 PROPERTY RECONNAISSANCE

### 4.1 General Characteristics of the Subject Property

Geo Forward conducted a Site Reconnaissance during a visit to the Subject Property on January 4, 2023. The visit was performed by Azad Kaligi, and Crystal Toogood of Geo Forward. The Site Reconnaissance was conducted under the guidance and approval of TRG Land.

#### 4.1.1 Wastewater

- No indications of industrial wastewater disposal or treatment facilities were reported during the Site Reconnaissance.

#### 4.1.2 Solid Waste Disposal

- Abundant solid waste was observed on the Subject Property on the ground surface, partially buried, and potentially beneath the ground surface. Items observed included: tin cans, glass, paint cans, drums, construction debris, and more.

#### 4.1.3 Surface Water Drainage

- Surface water is removed from the Subject Property primarily via sheet flow action and surface infiltration across the undeveloped surfaces into nearby tributaries and washes flowing northeasterly direction.
- According to a review of the United States Fish & Wildlife Service National Wetland Inventory Mapper (online), no wetlands are shown on the Subject Property or the adjacent properties.
- A comprehensive wetlands survey would be required to formally determine actual wetlands on the Subject Property.

#### 4.1.4 Wells and Cisterns

- Evidence of wells or cisterns (approximately three along the defunct vineyard on Avenue 62) and monitoring wells (approximately six) were reported during the Site Reconnaissance. Well functionality or abandonment is uncertain.

#### 4.1.5 Additional Property Observations

- The northern half of the Subject Property comprises predominantly defunct grape vineyards and vacant land. The southern half to the Subject Property comprises of undeveloped land. Separating the northern and southern half of the Subject Property was a shallow wash channel.



## 4.2 Other Potential Environmental Conditions

### 4.2.1 Hazardous Materials /Wastes

- Evidence of disposal/abandonment of hazardous substances were reported on the Subject Property. Apparent asbestos containing materials (ACMs) including asbestos-cement piping were observed at the Subject Property.

### 4.2.2 Unlabeled Containers and Drums

- Unlabeled containers and drums of varying states (rusted beyond identification and buried) were reported on the Subject Property during the Site Reconnaissance.
- Unlabeled, rusted containers and drums indicative of the shape and size of paint cans, paint thinner cans, oil, kerosine and other potentially hazardous materials were observed at the Subject Property.

### 4.2.3 Evidence of Releases

- The types and quantities of abandoned containers observed on-site indicate that some amount of hazardous materials may have been deposited on the Subject Property during the time of onsite dumping/dumping and stockpiling of potentially hazardous waste containing materials.

### 4.2.4 Polychlorinated Biphenyls (PCBs)

- No obvious indication of PCB-containing equipment (transformers, hydraulic lifts, oil-filled switches, dock levelers, hydraulic elevators, etc.) expected to contain PCBs were reported on the Subject Property during the Site Reconnaissance.

### 4.2.5 Landfills

- Evidence of apparent dumping and stockpiling of potentially hazardous waste containing materials was reported on the Subject Property during the Site Reconnaissance.

### 4.2.6 Pits, Sumps, Ponds, Lagoons, and Catch Basins

- No evidence of onsite pits, sumps, ponds, lagoons, or retention/catch basins were observed or reported during the Site Reconnaissance.

### 4.2.7 On-Property Tanks (ASTs and/or USTs)

- No evidence of current or former aboveground storage tanks (ASTs) or underground storage tanks (USTs) were reported during the Site Reconnaissance.



## 4.2.8 Vapor Migration

During the performance of this Phase 1 ESA, the potential for a vapor migration condition to exist in the subsurface at the Subject Property was evaluated. This presumption is based on the reasonable practices of the industry standard, and known limited information of the land-use history of the surrounding properties.

- Based on the information available, there was no potential vapor migration risk at the Subject Property, posed by surrounding properties, observed during the Site Reconnaissance.

## 4.2.9 Radiological Hazards

- No radiological substances or equipment was stored, documented, or reported on the Subject Property during the Site Reconnaissance.

## 4.2.10 Additional Hazard Observations

- It is presumed, due to the presence of the defunct grape vineyard, that residual herbicides and pesticides may exist within shallow soils on the Subject Property.

## 4.2.11 Lead in Drinking Water & Overall Drinking Water Quality

The Subject Property is within an area with municipal potable water supply provided by the Coachella Valley Water District.

- According to the City of Coachella Valley Water District 2021-22 Annual Water Quality Report, the drinking water supplied to the Subject Property is compliant with state and federal standards, including those for lead and copper.
- Geo Forward did not conduct sampling of drinking water for the presence of total lead content.

## 4.2.12 Asbestos-Containing Materials (ACM)

Asbestos is the nomenclature used for various naturally occurring, silicate minerals with a fibrous texture. This material is mined and manufactured for thermal insulation and heat transfer stability. It is also known to have high strength when used for building materials. Most aged construction materials are reasonably presumed to already contain asbestos. Almost all building thermal system insulation, and most aged interior- and exterior surface material, are also presumed to contain asbestos. Asbestos-containing materials are also referred to as ACMs. And potential asbestos-containing materials are referred to as PACMs. During the site inspection of the Subject Property, a Geo Forward field staff prepared a brief visual evaluation (limited) of accessible areas for the presence of suspect ACMs and PACMs.

- **Suspect Asbestos Containing Materials (ACMs) at the Subject Property:**
  - Upon inspection of the Subject Property, the presence of asbestos-cement piping was found present within the boundaries of site. Due to the limitations of inspecting the entirety of the Subject Property and the apparent presence of the ACMs and PACMs, an operations and maintenance (O&M) plan should be maintained for the Subject Property.



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This is not a comprehensive asbestos survey. It is merely a limited evaluation that includes a purely visual observation of available building materials. Only the easily accessible and visible materials were observed. This Phase 1 ESA does NOT comprehend all sources of suspect ACMs or PACMs. The Client is advised to consult an asbestos inspection consultant for a proper comprehensive asbestos survey. A comprehensive asbestos survey is recommended prior to and demolition, construction, or remodeling at the Subject Property. ACMs and PACMS in good condition can remain onsite for future use, and be managed safely under the regulations of a site-specific Operations and Maintenance (O&M) plan.

## 4.2.13 Radon

The U.S. EPA has prepared a Radon gas hazard map, to aid building code adaptations. There are three Radon Zones: Radon Zone 1, 2 and 3. A review of the U.S. EPA Map of Radon Zones places the Subject Property in:

- Zone 2 (avg. predicted radon levels are between 2.0 & 4.0 pico curies per liter [pCi/L]).
- Actual Radon gas sampling of the indoor ambient air quality was NOT conducted as part of this Phase 1 ESA.

## 4.2.14 Lead-Based Paint

Lead (Pb) is a toxic metal that has proven health effects on the human body. Much of the paint which exists in structures today includes lead. This is termed in the industry as LBP.” LBP typically exists in the painted surface, varnishes, and other types of cosmetic coating. In general, and per the industry-standard guidelines for LBP, LBP in most buildings is not considered an immediate “hazard,” although it should be tested and maintained in quality/condition, to ensure that it does not become deteriorated.

- The Subject Property is a vacant property with no onsite structures. Therefore, the likelihood of lead-based paint at the property is low; however, dumping and stockpiling of potentially hazardous waste containing materials of lead-containing products may be present at this site.

## 4.2.15 Mold

As part of this assessment, Geo Forward performed a limited visual inspection for any obvious signs of mold growth. Mold thrives in areas with constant moisture, such as humid environments, and include spores for reproduction. Excessive moisture or water on indoor flooring and baseboards can be a safety hazard. Other building materials such as drywall, wallpaper, particle-wood baseboards, and wood-based framing can also be affected by mold, compromising it’s structural and aesthetic integrity.

- The Subject Property is a vacant property with no onsite structures. Therefore, no indications of water damage or mold growth were observed during Geo Forward’s visual inspection.



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## 4.2.16 C8 Chemical

The concerns for C8 chemical contamination refers to the environmental presence of specific compounds within the family of perfluoroalkyl and polyfluoroalkyl substances (PFAS), specifically those with an 8-carbon chain (C8) structure. The two chemicals in this family are perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS). C-8 was originally in production for military applications, as early as the 1940s. And shortly thereafter, manufacturers introduced this highly utilitarian compound into household and commercial products. Today, scientists understand that the widespread use of C8 and subsequent disposal of this chemical into landfills and waterways impact the environment. As a result, various ecosystems, plants, animals, and humans contain increased levels of C8. Furthermore, environmental scientists understand that the chemical C-8 does not easily break down in the environment, nor the body. Consequently, chronic exposure to the chemical can remain in the body for many years and cause adverse health effects.

- Historically, the Subject Property has not comprised any known activities that would be expected to contribute to C8 chemical contamination on-site.



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## 5.0 INTERVIEWS

Geo Forward conducted interviews with various parties regarding the Subject Property. The interviews were performed by Azad Kaligi and Crystal Toogood of Geo Forward.

Interviews were conducted with the following individuals. Findings from these interviews are discussed in the appropriate sections in this report.

PERSON INTERVIEWED:	AGENCY / COMPANY:	DATE OF INTERVIEW:
Mark Rogers (Client)	TRG Land, Inc.	12/21/2022

Please refer to the body of this report to observe any/all information obtained during the interviews listed above.



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## 6.0 FINDINGS

### 6.1 Findings

#### 6.1.1 On-Property Environmental Conditions

- The Subject Property is comprised of 22 parcels totaling 855.4 acres of undeveloped land. Access to the Subject Property is provided from Avenue 62 and unpaved roadways. Stormwater is removed from the Subject Property via sheet flow action and infiltration across the unpaved surfaces towards washes and small tributaries onsite flowing towards the northeast. Prominent landforms on the Subject Property consist of: an extension of a rocky hill landform of Coral Mountain in the northeast region, a large natural wash basin immediately south of the defunct vineyard, and various smaller wash tributaries throughout the southern half of the Subject Property.
- Based on a review of historical records (topographic maps, aerial images, city directories, and more), the Subject Property was vacant land from 1941 to 1984 and reasonably presumed undeveloped prior to 1941. The northern half of the Subject Property was first developed with a grape vineyard around 1996. Since its development in 1996 to present day, the grape vineyard has become inoperative. The southern half of the Subject Property has remained undeveloped since 1941 to present day.
- During reconnaissance by Geo Forward, apparent dumping and stockpiling of potentially hazardous waste containing materials was observed on the southern half of the Subject Property. Dumping and stockpiling of potentially hazardous waste containing materials items included construction debris, asbestos-cement piping (ACM), and unlabeled, rusted drums and containers the shape and size of paint cans, paint thinner cans, oil, kerosine and other potentially hazardous materials. The likely presence of hazardous materials in the region in which dumping and stockpiling of potentially hazardous waste containing materials is present is considered a REC at the Subject Property.
- Additionally, the northern half of the Subject Property comprised an inoperative grape vineyard, which is reasonably presumed to have been subjected to herbicides and pesticides use during its operation. The likely presence of residual hazardous materials in shallow soils is considered a REC at the Subject Property.
- Three water wells (W1, W2, W3) were observed along the vineyard and the extension of Avenue 62; as well as a potential water well (W4) with a concrete base and steel pipe dating as early as the late 1800's (please refer to Figure 2). Additional monitoring wells (MW1, MW2) were located in the southern half of the Subject Property. The status of all wells located on the Subject Property are currently unknown, (whether functioning or abandoned) and it is suggested that a copy of all documents pertaining to the onsite groundwater wells and monitoring wells are obtained and reviewed, in order to properly maintain or abandon the wells.

#### 6.1.2 Off-Site Environmental Conditions

- Geo Forward did not identify any off-site environmental conditions during this assessment.



## 7.0 CONCLUSIONS

### 7.1 Recognized Environmental Conditions (RECs)

Per the ASTM Standard, a Recognized Environmental Condition (REC) is defined as the presence or likely presence of any hazardous substance or petroleum product on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the Subject Property. The term includes hazardous substances and petroleum products even under conditions that might be in compliance with laws.

The term is not intended to include "de minimis" conditions that do not present a threat to human health and/or the environment and that would not be subject to enforcement action if brought to the attention of appropriate governmental agencies.

This assessment has revealed no evidence of RECs in connection with the Subject Property, except for the following:

- During reconnaissance by Geo Forward, apparent dumping and stockpiling of potentially hazardous waste containing materials was observed in the southern half of the Subject Property. Dumping and stockpiling of potentially hazardous waste containing materials items included construction debris, apparent asbestos-cement piping (ACM), and unlabeled, rusted drums and containers the shape and size of paint cans, paint thinner cans, oil, kerosine and other potentially hazardous materials. The likely presence of hazardous materials in the region in which dumping and stockpiling of potentially hazardous waste containing materials is present is considered a REC at the Subject Property.
- During reconnaissance by Geo Forward, agricultural fields were observed at the northern-central portion of the Subject Property. Information obtained from the La Quinta City Clerk indicates that the use of the cropland was a grape vineyard, and a review of historical aerial photographs indicates that the vineyard was added between 1984-1996. Crops such as grapes tend to rely heavily on herbicides, pesticides, and fertilizers. The likely presence of residual (potentially carcinogenic) chemicals in shallow soils is considered a REC at the Subject Property.

### 7.2 Historical Recognized Environmental Conditions (HRECs)

Per the ASTM Standard, a Historical Recognized Environmental Condition (HREC) is defined as an environmental condition that would have been considered a REC in the past but is no longer an REC based on other environmental assessments, government evaluations and/or regulatory agency closures.

No HRECs were observed at the Subject Property, other than the following:

- Geo Forward did NOT identify any HRECs during the course of this assessment.



## 7.3 Controlled Recognized Environmental Conditions (CRECs)

Per the ASTM Standard, a controlled recognized environmental condition (CREC) is defined as a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

No CRECs were observed at the Subject Property, other than the following:

- Geo Forward did NOT identify any CRECs during the course of this assessment.

## 7.4 Environmental Issues

Per the ASTM Standard, an Environmental Issue is defined as environmental concerns identified by Geo Forward, which do not qualify as RECs; however, they require discussion.

No Environmental Issues were observed at the Subject Property, other than the following:

- Geo Forward did NOT identify any Environmental Issues during the course of this assessment.

## 7.5 De Minimis Environmental Conditions

[De minimis environmental conditions](#) do not present a threat to human health and/or the environment and that would not be subject to enforcement action if brought to the attention of appropriate governmental agencies.

This assessment has revealed no evidence of De Minimis Concerns in connection with the Subject Property, except for the following:

- Geo Forward did NOT identify any De Minimis Concerns during this assessment.

## 7.6 Deviations

This Phase 1 ESA substantially complies with the scope of services and ASTM 1527-21, as amended, except for exceptions and/or limiting conditions as discussed in Section 1.3.

## 7.7 Final Conclusions

This Phase I Environmental Site Assessment (Phase 1 ESA) conducted by Geo Forward, Inc. (Geo Forward) is in general accordance with the American Society for Testing and Materials (ASTM) Standard Practice E1527-21, and the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries (AAI) under Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) in 40 CFR. This Phase 1 ESA substantially complies with the scope of services and ASTM 1527-21, as amended, except for exceptions and/or limiting conditions as discussed in Section 1.4.

This assessment has revealed no evidence of RECs, CRECs, HRECs or Environmental Issues in connection with the Subject Property, except for those previously identified in Sections 7.1 through 7.4.



## 8.0 RECOMMENDATIONS

### 8.1 Recommendations

Based on the findings and conclusions mentioned above, Geo Forward recommends the following:

- Obtain a copy of all documents pertaining to the onsite groundwater wells and monitoring wells to ensure proper maintenance or abandonment under the appropriate regulatory oversight.
- Conduct a Limited Phase II Subsurface Investigation to determine if the subsurface media has been impacted by volatile organic compounds (VOCs), heavy metals, petroleum hydrocarbons (TPH) and/or pesticides/herbicides originating from the defunct grape vineyard and dumping and stockpiling of potentially hazardous waste containing materials on the Subject Property.
- A site-specific Soils Management Plan (SMP) should be developed for the Subject Property and implemented during excavation and grading for the proposed development project. The SMP is intended to describe the protocol for managing (potentially contaminated) soils and disposing of (potentially hazardous) debris, as well as guidelines for handling known and/or undocumented subsurface features if they are found.

### 8.2 Additional Notes

Please feel free to contact us at (888) 930-6604 and/or [support@geoforward.com](mailto:support@geoforward.com) to obtain a price quote for any other services recommended by this Phase 1 ESA.

Although the researched information above does not indicate that any subsurface anomalies (such as underground tanks, clarifiers, pipelines, etc.) exist at the Subject Property (but for the six [6] wells mentioned previously), it cannot be fully ruled out with properties such as these. Thus, Geo Forward always recommends practicing caution if/when redeveloping, grading, or excavating at the Subject Property, with the presumption that one or more unknown/undocumented subsurface anomalies may exist.



# Phase 1 Environmental Site Assessment Report

Proposed Travertine Development

La Quinta, California

Geo Forward Project Number: 1951-2022[1]

January 11, 2023

Report Page | 24

## 9.0 REFERENCES

- California Department of Agriculture, Soil Conservation Service, 1961, Revised 1969, Report and General Soil Map, Los Angeles County, California.
- California Department of Water Resources (DWR), 1961, Planned Utilization of the Ground Water Basins of the Coastal Plain of Riverside County, Appendix A: Ground Water Geology, Bulletin No. 104.
- California Geologic Energy Management Division, (CalGEM Well Finder Database), Accessed January 2023.
- California Geological Survey (CGS). 2014 *Preliminary Geologic Map of the Martinez Mountain 30' x 60' Quadrangle, California*, Version 2.0, dated 2014.
- Environmental Risk Information Services (ERIS) South of Avenue 60 and West of Madison Street, La Quinta, California, Report No. 22122300230.
- Hart, E.W., 1992, Fault-rupture hazard zones in California: California Division of Mines and Geology Special Publication 42 (1992 Revision); 24 pp.
- Historical Aerial Photographs – Environmental Risk Information Services (ERIS) South of Avenue 60 and West of Madison Street, La Quinta, California.
- Historical Topographic Maps – Environmental Risk Information Services (ERIS) South of Avenue 60 and West of Madison Street, La Quinta, California.
- Historical Fire Insurance Maps – Environmental Risk Information Services (ERIS) South of Avenue 60 and West of Madison Street, La Quinta, California.
- Poland, J.E., Piper, A.M. and others, 1956, *Ground-water geology of the coastal zone La Quinta-Santa Ana area, California*: U.S. Geological Survey Water Supply Paper 1109, 162 p., Plate 2, southern half, map scale 1:31,680.
- United States Geological Survey (USGS) - 7.5 Minute Topographic Quadrangle Martinez Mountain California, 2015.
- United States Department of Agriculture, Soil Conservation Service (USDA-SCS), 1961, Revised 1969, Report and General Soil Map, Riverside County, California



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## Phase 1 Environmental Site Assessment Report

Proposed "Travertine" Development, La Quinta, California

January 11, 2023

Geo Forward Project Number: 1951-2022[1]

### FINAL PROFESSIONAL CERTIFICATION

As the responsible professionals of this Phase 1 Environmental Site Assessment Report (Phase 1 ESA), 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 this part [40 CFR Part 312]. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting. 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 for the opportunity to be of service. If you have any questions regarding this investigation, please contact the undersigned at (888) 930-6604.

Sincerely,



Crystal Toogood  
Staff Environmental Scientist



Michael J. Sabo  
Project Manager  
Environmental Professional



Adam A. Kaligi, PG 9287  
Client Relationship Manager  
Professional Geologist



(888) 930-6604

[www.geoforward.com](http://www.geoforward.com)

# FIGURES

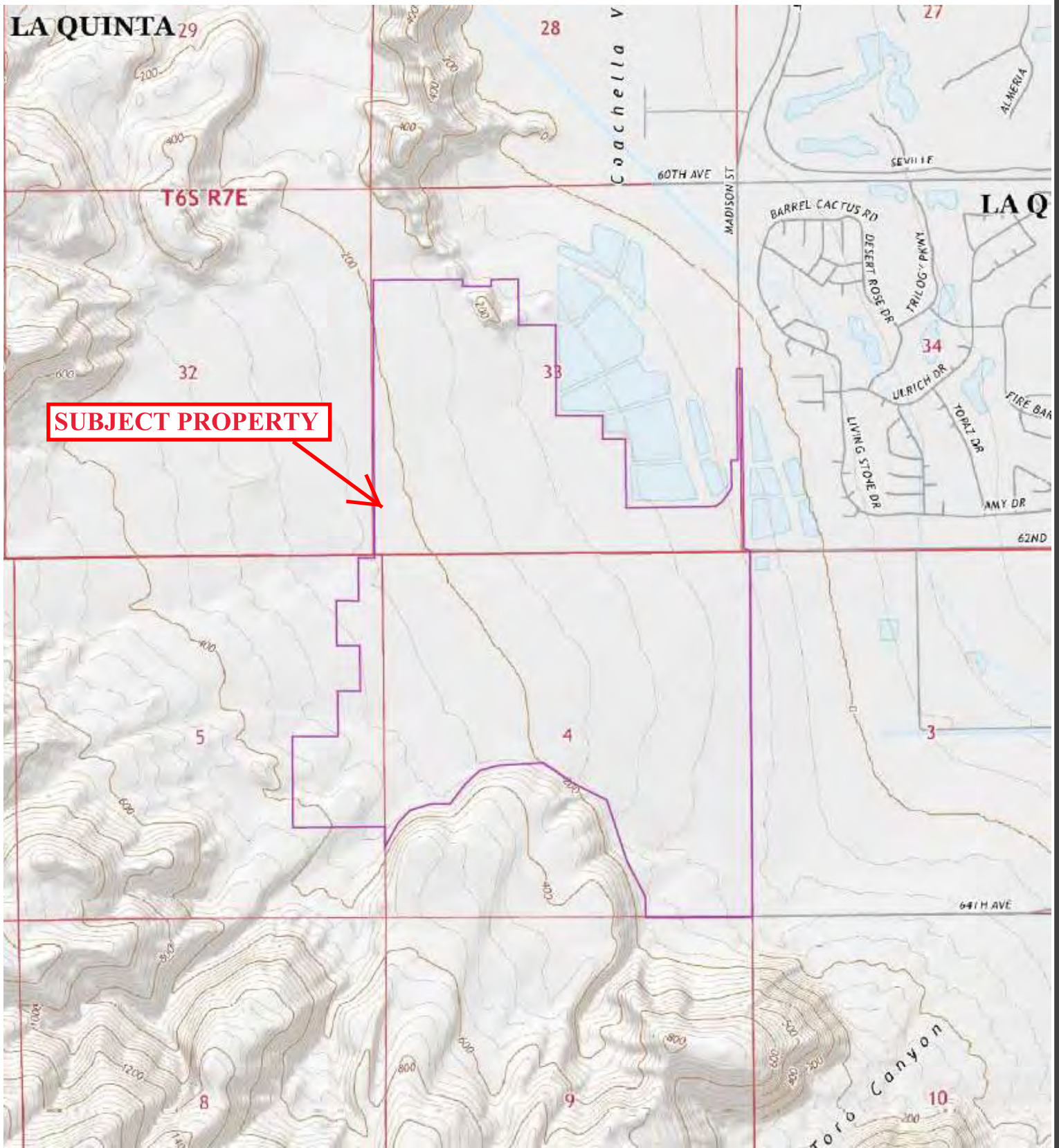


FIGURE:

1.0

## REGIONAL TOPO MAP

PROJECT: 1951-2022[1]

DATE: January 11, 2023

TECH: Crystal Toogood



SUBJECT  
PROPERTY:

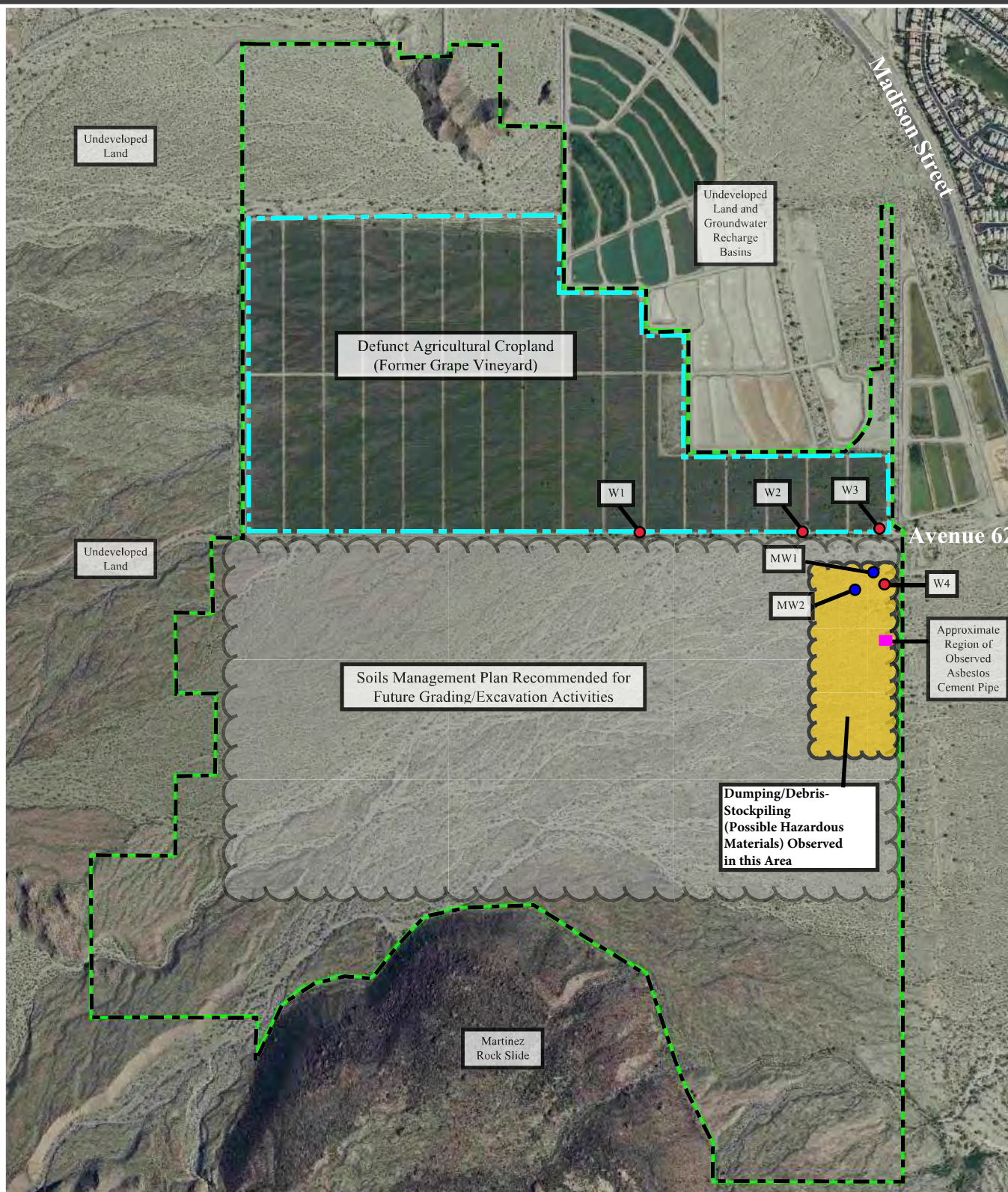
## KEY



USGS QUADRANGLE:  
Martinez Mountain, California

Proposed "Travertine" Development, La Quinta, California





#### NOTES:

- DISPLAYED PLACEMENT OF ENVIRONMENTAL CONDITIONS PER THIS MAP ARE APPROXIMATE.
- MAP DATA SOURCE: ERS AERIAL IMAGES AND SITE RECONNAISSANCE BY GEO FORWARD
- ALL REPRESENTATIONS DISPLAYED ON THIS MAP ARE APPROXIMATE BY SCALE AND LOCATION.
- A LAND SURVEY OF THE SITE WAS NOT CONDUCTED BY GEO FORWARD.



FIGURE:

2.0

### SITE MAP

PROJECT: 1951-2022[1]

DATE: January 11, 2023

TECH: Crystal Toogood

#### KEY

Subject Property:



Water Well:



Monitoring Well:



Landfilling and Potential  
Hazardous Waste:



Observed ACM/PACM:



Proposed "Travertine" Development, La Quinta, California



# **APPENDIX A**

## **Professional Resumes of Environmental Professionals**



### Education:

- Bachelor of Science Major in Tourism, Centro Escolar University, College of Hotel Management and Tourism, Class of 2006

### Primary Responsibilities:

- Client Correspondence & Support
- Deadline Management
- Project Coordination
- Employee Safety Training
- Fieldwork Scheduling
- Marketing & Sales
- Office Administrative Management
- Project Filing & Organization
- Continuing Education & Training

## Lariza A. Damljanovic

### Operations Director

### Bay Area Office:

75 Broadway, Suite 202  
San Francisco, California 94111  
[www.geoforward.com](http://www.geoforward.com)

Office: (888) 930-6604

Email: [lariza@geoforward.com](mailto:lariza@geoforward.com)

Lariza Damljanovic is a highly personable and dedicated administrative professional with a diverse work experience from various industries. Mrs. Damljanovic is the lead office manager of the Geo Forward headquarters, coordinator of all projects under the Geo Forward umbrella, and a great asset to the team.

## SUMMARY OF WORK EXPERIENCE

Lariza Damljanovic holds a Bachelor's degree in Tourism from Centro Escolar University, with an emphasis in Tourism Management. Much of Mrs. Damljanovic's professional experience stems from her background working on global-scale projects in sales and tourism-related services.

Mrs. Damljanovic has over seven years of professional experience working for small- and large- scale enterprises, and has a remarkable talent for managing client-needs, problem solving, and keeping projects on track for success.

Lariza Damljanovic brings many of the beneficial aspects and customer service experience developed overtime from working in sales and travel/airline industry, and has incorporated them into the daily operations of the environmental engineering industry for a more efficient and productive system all-around.

Lastly, Lariza Damljanovic has an outstanding sales, and customer service background in the tourism industry and marketing fields. Her abilities to wear many hats has been a proven asset to the environmental field, and provides ongoing motivation for our team of engineers, scientists and contractors.



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### **Education:**

- Bachelor of Science in Environmental Policy & Management  
Ohio State University  
School of Environment and Natural Resources, Class of 2014

### **Primary Responsibilities:**

- Phase 1 Environmental Site Assessments
- Phase 2 Subsurface Investigations
- Contamination Remediation
- Methane Soil Gas Surveys
- Methane Mitigation System Design
- Regulatory Case Management
- Water Board Correspondence
- DTSC Correspondence
- Environmental Compliance
- Vapor Intrusion Investigations
- Vapor Intrusion Mitigation
- Underground Storage Tank Removal

## **Michael Joseph Sabo**

**Project Manager / Geoscientist**

*Environmental Professional*

### **West Coast Headquarters:**

**445 S. Figueroa Street, Suite 3100**

**Los Angeles, California 90071**

**[www.geoforward.com](http://www.geoforward.com)**

**Office: (888) 930-6604 x103**

**Email:**

**[michael@geoforward.com](mailto:michael@geoforward.com)**

Michael Sabo is an experienced environmental professional who specializes in gathering data and communicating environmental information. As a field scientist and an educator, Mr. Sabo has practiced a variety of land assessment methods, and has demonstrated the ability to effectively convey key information and methodology to clients.

## **SUMMARY OF WORK EXPERIENCE**

Mr. Sabo began conducting field surveys while completing his degree at The Ohio State University. He worked on a variety of wildlife and vegetation identification and management projects for the Ohio Wildlife Center and Preservation Parks of Delaware County. Michael Sabo then found success with the Ohio Department of Natural Resources Division of Forestry in an education and outreach capacity.

Upon moving to Los Angeles, Mr. Sabo began work as an educator for part of a local non-profit organization that offers environmental programming to under-served areas of the LA Unified School District. Working in conjunction with the San Gabriel Basin Water Quality Authority, the team comprised a group of esteemed geologists, hydrogeologists, and environmental scientists, who teach students about groundwater contamination and remediation efforts. The program is proudly accepting a National Ground Water Association award in 2019 and will continue to design and implement special educational opportunities for students in the Greater Los Angeles Area.

Currently, Michael Sabo is functioning as Staff Geoscientist for Geo Forward, where he is positioned to gather and communicate key information to clients and regulatory authorities.



#### **Education:**

- Bachelor of Science in Geology  
California State Polytechnic  
University Pomona, Class of 2008

#### **Professional Licenses:**

- CA Licensed Professional Geologist
- TX Licensed Professional Geologist
- CA Licensed Building Contractor  
Class-B
- CA Licensed General Engineering  
Contractor Class-A
- CA Certified Hazardous Substance  
Removal & Remediation Contractor
- LADBS Methane Testing Agent
- LADBS Licensed Methane Deputy  
Building Inspector

#### **Occupational Certifications:**

- California Occupational Safety &  
Health Administration (OSHA)  
Hazardous Waste Operations &  
Emergency Response  
(HAZWOPER)
- Mine Safety & Health  
Administration (MSHA)
- ExxonMobil – LPS

#### **Primary Responsibilities:**

- Ground-Up Building Construction –  
Commercial & Residential
- Property Condition Assessments
- Phase 1 Environmental Site  
Assessments
- Phase 2 Subsurface Investigations
- Contamination Remediation
- Methane Soil-Vapor Mitigation  
Design & Barrier Construction
- Regulatory Case Management
- Water Board Correspondence
- DTSC Correspondence
- Environmental Compliance
- Vapor Intrusion Investigations
- Vapor Intrusion Mitigation
- Underground Storage Tank Removal
- Litigation Support
- Expert Testimonies

## **Adam Azad Kaligi, PG**

### **Senior Geologist**

*Lic. Contractor / Lic. Geologist (Multi-State)*

#### **West Coast Headquarters:**

**445 S. Figueroa Street, Suite 3100**

**Los Angeles, California 90071**

**[www.geoforward.com](http://www.geoforward.com)**

**Office: (888) 930-6604 x810**

**Email: [azad@geoforward.com](mailto:azad@geoforward.com)**

Mr. Kaligi is a California and Texas Licensed Professional Geologist, Licensed General Engineering and Building Contractor, and Certified Hazardous Substance Removal/ Remediation professional. Mr. Kaligi has roughly 15 years of experience in the building construction, environmental engineering, geological and water-resources industries. From his work history at reputable geological/engineering consulting firms, Mr. Kaligi has an extensive understanding about building science, construction and contamination mitigation.

## **SUMMARY OF WORK EXPERIENCE**

Mr. Kaligi started as a journeyman on a variety of construction and grading projects while completing his undergraduate degree in geology. As a chainman land surveyor for City of Los Angeles, Mr. Kaligi participated in projects involving excavation, mapping, road construction, slope stability, erosion control, underground storage tank (UST) and contamination excavations, road demolition projects and water well drilling/construction.

Mr. Kaligi has worked for reputable geologic/engineering firms providing soil and groundwater remediation projects for global oil & gas companies. Notable projects involved scientific assessment, geologic characterization, hydrogeological modeling and engineering methods for remedial design to reduce contamination levels and achieve closure with environmental agencies. Typical projects have included in-situ chemical oxidation for groundwater remediation, groundwater pump-and-treat, and air-sparge with soil vapor extraction. Additionally, Mr. Kaligi has assisted in various contamination migration pathway studies, fate & transport modeling, and responsible party investigations for the State Water Resources Control Board, and various contamination legal disputes.

Recently, Mr. Kaligi provided geologic and hydrogeologic professional services for several high-profile water-supply projects throughout California. Projects included diagonal drilling and slanted-well construction underneath the ocean floor to provide an intake source for a proposed ocean-water desalination plant in Monterey, California. Mr. Kaligi also assisted with a major groundwater and geologic exploration project in the Mojave Desert which required drilling a network of boreholes through limestone bedrock as deep as 2,000 feet below ground surface to characterize karstic features and their water-bearing properties as a drinking water source. Other projects included designing and installing groundwater production wells for major water agencies and municipalities under the supervision of the nation's top hydrogeologists.

# **APPENDIX B**

## **Site Reconnaissance Photographs**



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Subject Property; Northern Boundary Rock/Dirt Berm



Subject Property; Northern Boundary Rocky Hill Landform

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 1 OF 19

Proposed "Travertine" Development, La Quinta, California





Subject Property; Northeast view of defunct vineyard



Subject Property; Rock mounds immediately north of the defunct vineyard facing north

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 2 OF 19

Proposed "Travertine" Development, La Quinta, California





Subject Property; Southeast border of defunct vineyard facing east



Subject Property; large wash landform immediately south of Avenue 62 and the vineyard.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 3 OF 19

Proposed "Travertine" Development, La Quinta, California





Subject Property; southern view of the vineyard facing north.



Subject Property; presumed agricultural water well (W1) with concrete slab and electrical pole.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 4 OF 19

Proposed "Travertine" Development, La Quinta, California





Subject Property; presumed agricultural water well (W1).



Subject Property; electrical poles lining the southern region of the vineyard along Avenue 62.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 5 OF 19

Proposed "Travertine" Development, La Quinta, California





Subject Property; presumed agricultural water well (W2) with concrete slab and electrical pole.



Subject Property; presumed agricultural water well (W2).

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 6 OF 19

Proposed "Travertine" Development, La Quinta, California





Subject Property; presumed agricultural water well (W3) with concrete slab surrounded with chain link fencing.



Subject Property; presumed agricultural water well (W3).

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

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Proposed "Travertine" Development, La Quinta, California





Subject Property; presumed agricultural monitoring well associated with W3.



Subject Property; presumed monitoring well (MW1).

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 8 OF 19

Proposed "Travertine" Development, La Quinta, California





Subject Property; presumed water well (W4) cement base with steel pipe alongside apparent landfilling.



Subject Property; presumed monitoring well (MW2) alongside apparent landfilling.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

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Proposed "Travertine" Development, La Quinta, California





Subject Property; southern view of vacant land.



Subject Property; southern view of vacant land.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

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Proposed "Travertine" Development, La Quinta, California





Subject Property; apparent landfilling in the southern half of the property including construction debris.



Subject Property; apparent landfilling including unlabeled drums and construction debris.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 11 OF 19

Proposed "Travertine" Development, La Quinta, California





Subject Property; apparent landfilling including unlabeled containers presumed to once contain hazardous materials.



Subject Property; apparent landfilling including unlabeled containers presumed to once contain hazardous materials.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 12 OF 19

Proposed "Travertine" Development, La Quinta, California





Subject Property; apparent landfilling including unlabeled drums and containers, as well as ACM's.



Subject Property; apparent landfilling including unlabeled drums and containers, as well as ACM's.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 13 OF 19

Proposed "Travertine" Development, La Quinta, California





Subject Property; apparent landfilling containing unlabeled containers.



Subject Property; apparent landfilling containing construction debris.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 13 OF 19

Proposed "Travertine" Development, La Quinta, California





Subject Property; apparent landfilling containing construction debris.



Adjoining Property; North.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 15 OF 19

Proposed "Travertine" Development, La Quinta, California





Adjoining Property; East.



Adjoining Property; North.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 16 OF 19

Proposed "Travertine" Development, La Quinta, California





Adjoining Property; South.



Adjoining Property; South.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

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Proposed "Travertine" Development, La Quinta, California





Adjoining Property; South East.



Adjoining Property; South.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 18 OF 19

Proposed "Travertine" Development, La Quinta, California





Adjoining Property; West.



Adjoining Property; West.

APPENDIX:

**B**

**SITE  
PHOTOGRAPHS**

**PROJECT:** 1951-2022[1]

**DATE:** January 11, 2023

**TECH:** Crystal Toogood

PAGE 19 OF 19

Proposed "Travertine" Development, La Quinta, California



# **APPENDIX C**

## **Regulatory Records Database Report (With Radius Map)**



**(888) 930-6604**

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# DATABASE REPORT

<b>Project Property:</b>	<i>Vacant Land Vacant Land La Quinta CA</i>
<b>Project No:</b>	<i>1951-2022[1]</i>
<b>Report Type:</b>	<i>Database Report</i>
<b>Order No:</b>	<i>22122300230</i>
<b>Requested by:</b>	<i>GEO FORWARD</i>
<b>Date Completed:</b>	<i>December 30, 2022</i>

## Environmental Risk Information Services

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

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## **Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY**

**Reliance on information in Report:** This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

**License for use of information in Report:** No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

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# Executive Summary

## Property Information:

**Project Property:** *Vacant Land  
Vacant Land La Quinta CA*

**Project No:** *1951-2022[1]*

**Coordinates:**

<b>Latitude:</b>	<i>33.59590358</i>
<b>Longitude:</b>	<i>-116.26036282</i>
<b>UTM Northing:</b>	<i>3,717,597.15</i>
<b>UTM Easting:</b>	<i>568,626.37</i>
<b>UTM Zone:</b>	<i>UTM Zone 11S</i>

**Elevation:** *166 FT*

## Order Information:

**Order No:** *22122300230*

**Date Requested:** *December 23, 2022*

**Requested by:** *GEO FORWARD*

**Report Type:** *Database Report*

## Historicals/Products:

<b>Aerial Photographs</b>	<i>Historical Aerials (with Project Boundaries)</i>
<b>City Directory Search</b>	<i>CD - 2 Street Search</i>
<b>ERIS Xplorer</b>	<a href="#"><i>ERIS Xplorer</i></a>
<b>Excel Add-On</b>	<i>Excel Add-On</i>
<b>Fire Insurance Maps</b>	<i>US Fire Insurance Maps</i>
<b>Physical Setting Report (PSR)</b>	<i>Physical Setting Report (PSR)</i>
<b>Topographic Map</b>	<i>Topographic Maps</i>

## 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
<b><u>Standard Environmental Records</u></b>								
<b>Federal</b>								
DOE FUSRAP	Y	1	0	0	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
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	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 VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	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

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
FRP	Y	0.25	0	0	0	-	-	0
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	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
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
SWRCB SWF	Y	0.5	0	0	0	0	-	0
WMUD	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
C&D DEBRIS RECY	Y	0.5	0	0	0	0	-	0
RECYCLING	Y	0.5	0	0	0	0	-	0
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	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
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
UST SWEEPS	Y	0.25	0	0	0	-	-	0
AST	Y	0.25	0	0	0	-	-	0
AST SWRCB	Y	0.25	0	0	0	-	-	0
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
DELISTED CTNK	Y	0.25	0	0	0	-	-	0
HIST TANK	Y	0.25	0	0	0	-	-	0

<b>Database</b>	<b>Searched</b>	<b>Search Radius</b>	<b>Project Property</b>	<b>Within 0.12mi</b>	<b>0.125mi to 0.25mi</b>	<b>0.25mi to 0.50mi</b>	<b>0.50mi to 1.00mi</b>	<b>Total</b>
LUR	Y	0.5	0	0	0	0	-	0
CALSITES	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 CLEANUP	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	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**

LOP RIVERSIDE	Y	0.5	0	0	0	0	-	0
UST RIVERSIDE	Y	0.25	0	0	0	-	-	0

#### **Additional Environmental Records**

##### **Federal**

FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	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

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
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
FORMER NIKE	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
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	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
TOXIC PITS	Y	1	0	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
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	0	-	-	-	-	0
HAZ GEN	Y	PO	0	-	-	-	-	0
HAZ TSD	Y	0.5	0	0	0	0	-	0
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HW TRANSPORT	Y	0.125	0	0	-	-	-	0

<b>Database</b>	<b>Searched</b>	<b>Search Radius</b>	<b>Project Property</b>	<b>Within 0.12mi</b>	<b>0.125mi to 0.25mi</b>	<b>0.25mi to 0.50mi</b>	<b>0.50mi to 1.00mi</b>	<b>Total</b>
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	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
MINE	Y	1	0	0	0	0	0	0
LIEN	Y	PO	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**

HWG RIVERSIDE	Y	0.125	0	0	-	-	-	0
HZH RIVERSIDE	Y	0.125	0	0	-	-	-	0
MED WST RIVERSIDE	Y	0.25	0	0	0	-	-	0
RMP RIVERSIDE	Y	PO	0	-	-	-	-	0

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

\* PO – Property Only

\* 'Property and adjoining properties' database search radii are set at 0.25 miles.

# Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

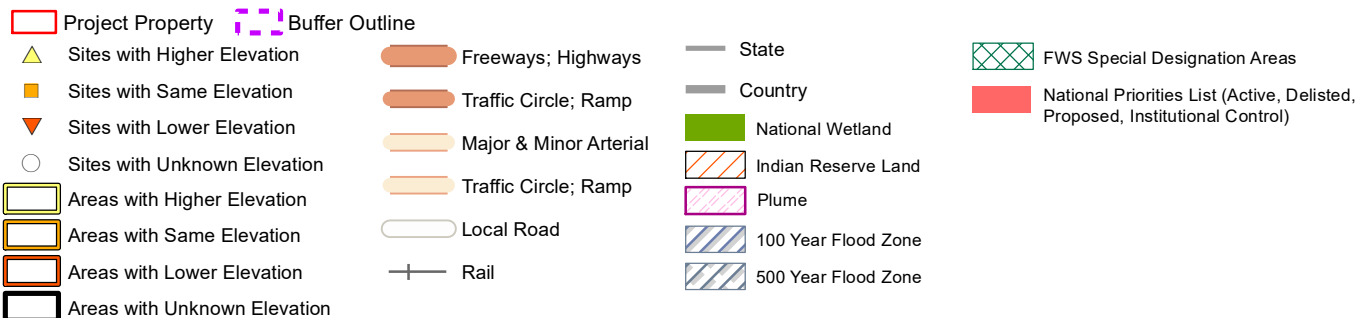
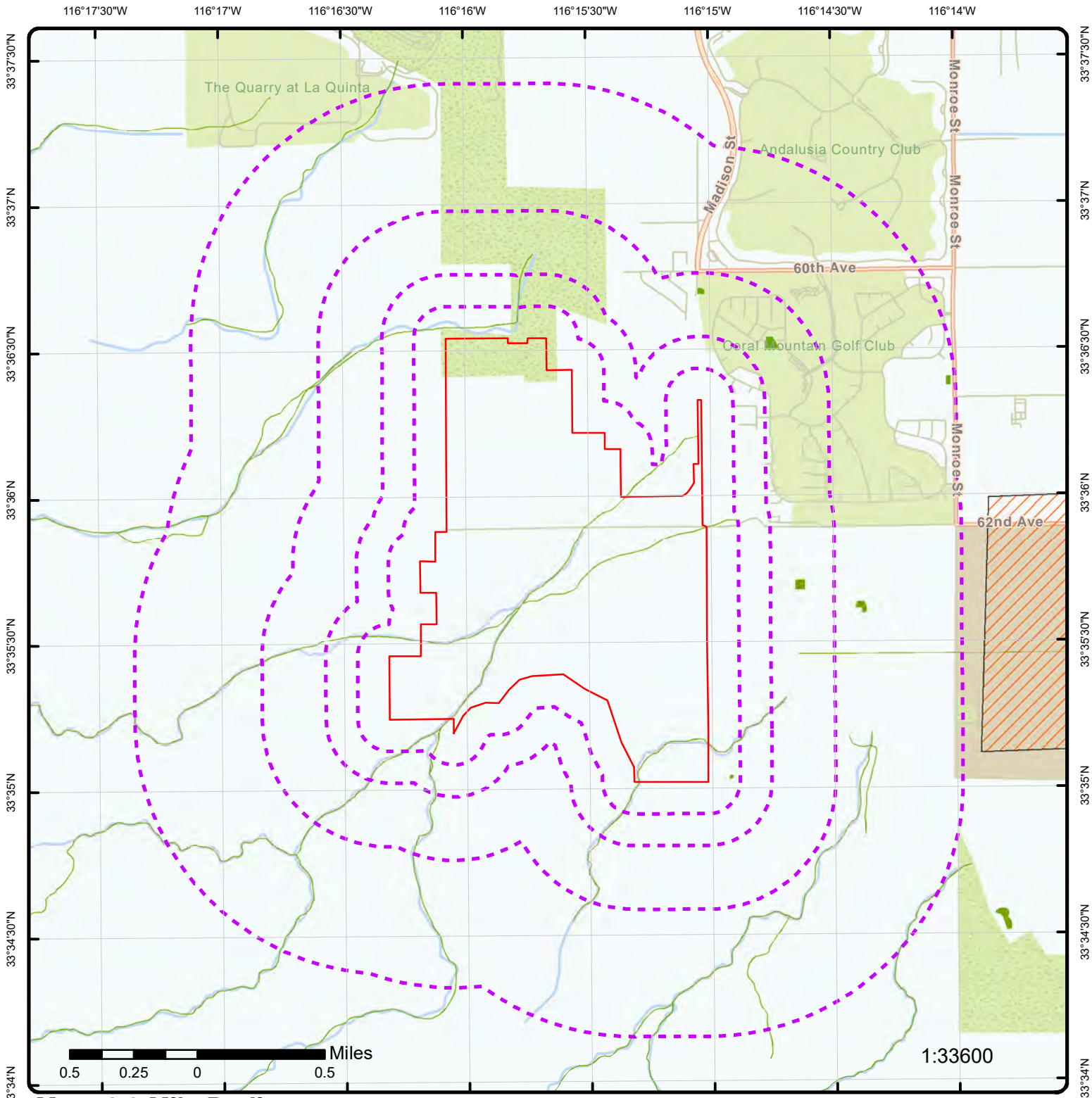
## Executive Summary: Site Report Summary - Surrounding Properties

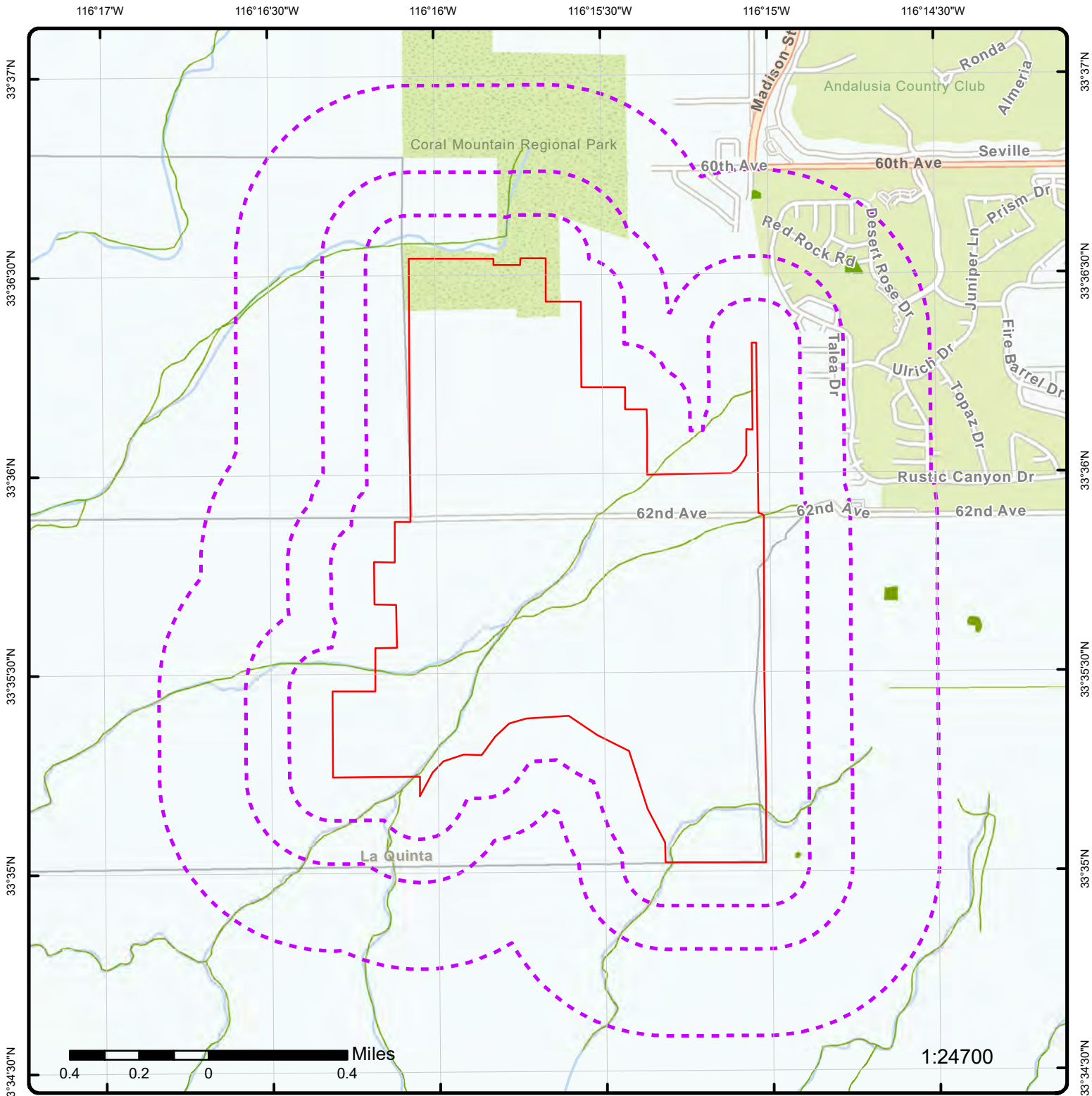
<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the surrounding properties.

## Executive Summary: Summary by Data Source

No records found in the selected databases for the project property or surrounding properties.

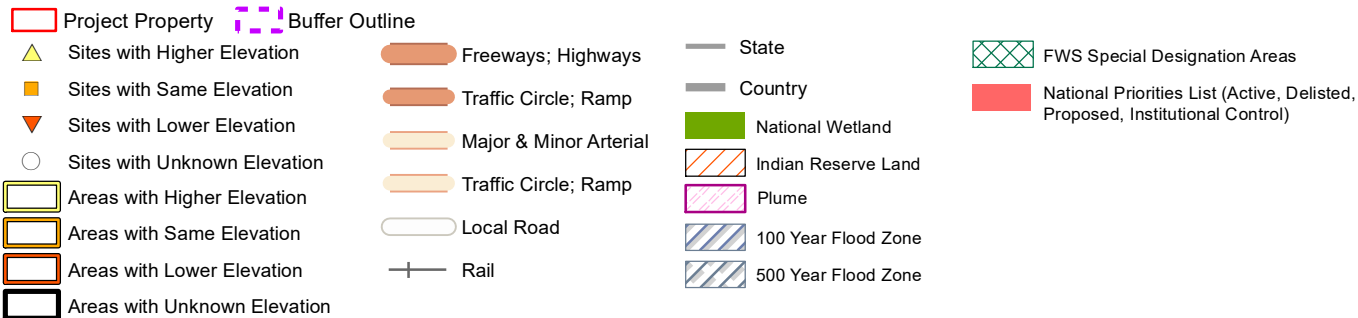


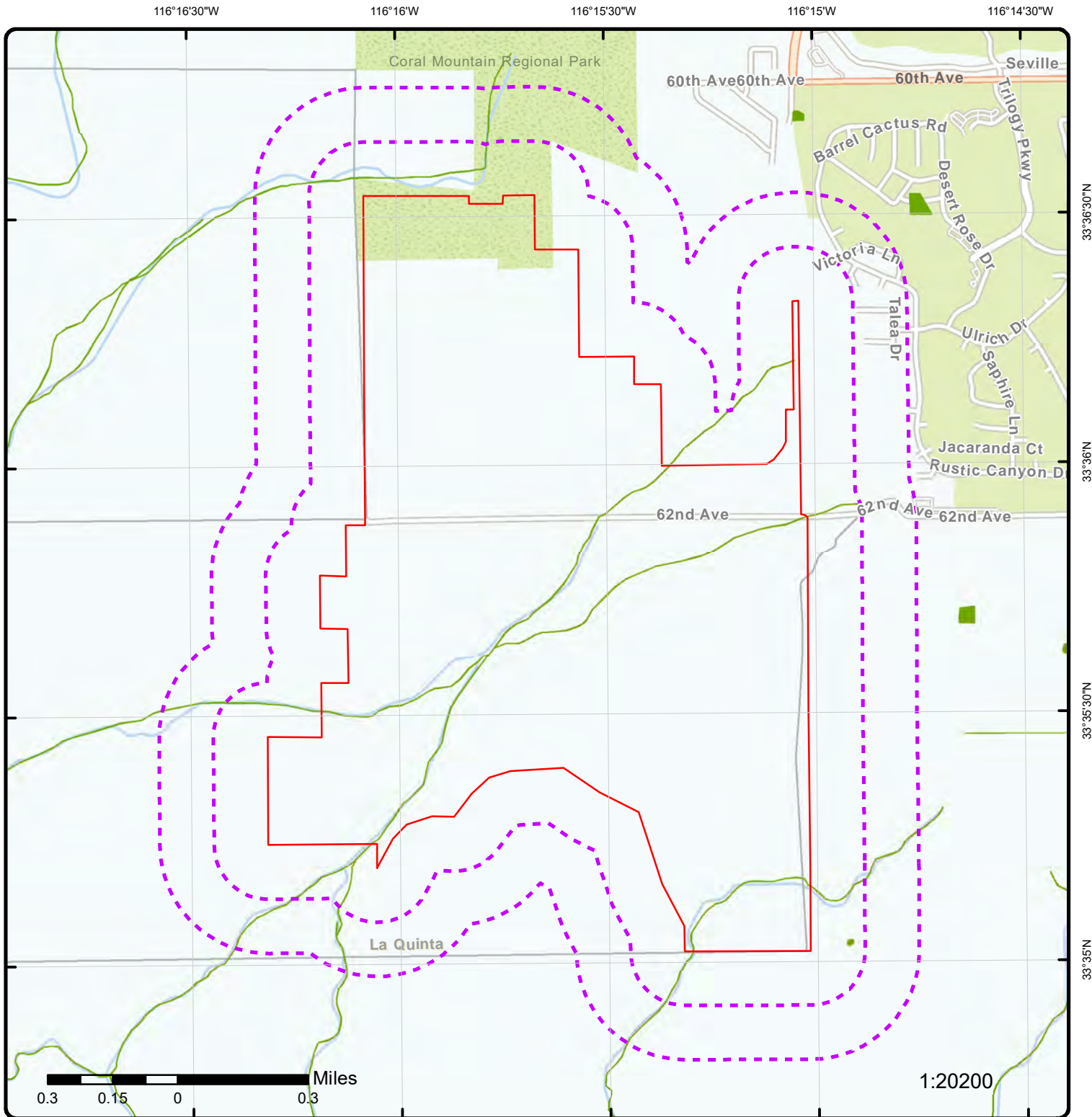


## Map: 0.5 Mile Radius

Order Number: 22122300230

Address: Vacant Land, La Quinta, CA

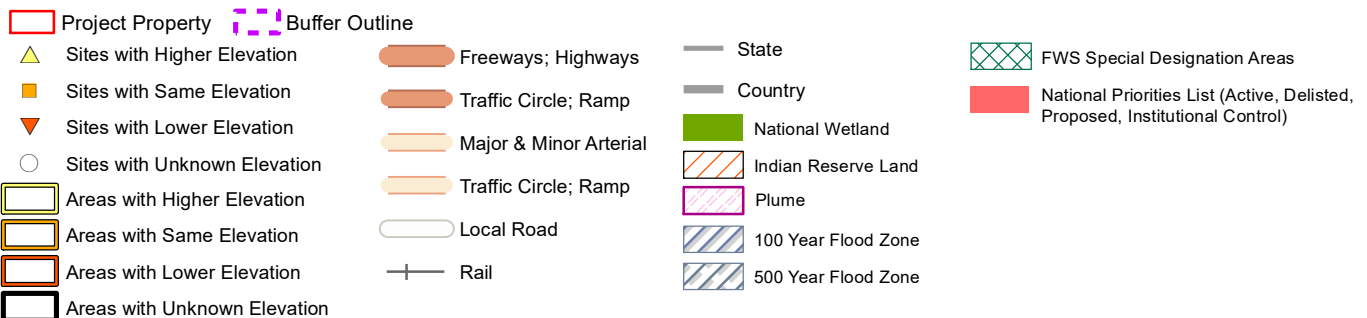


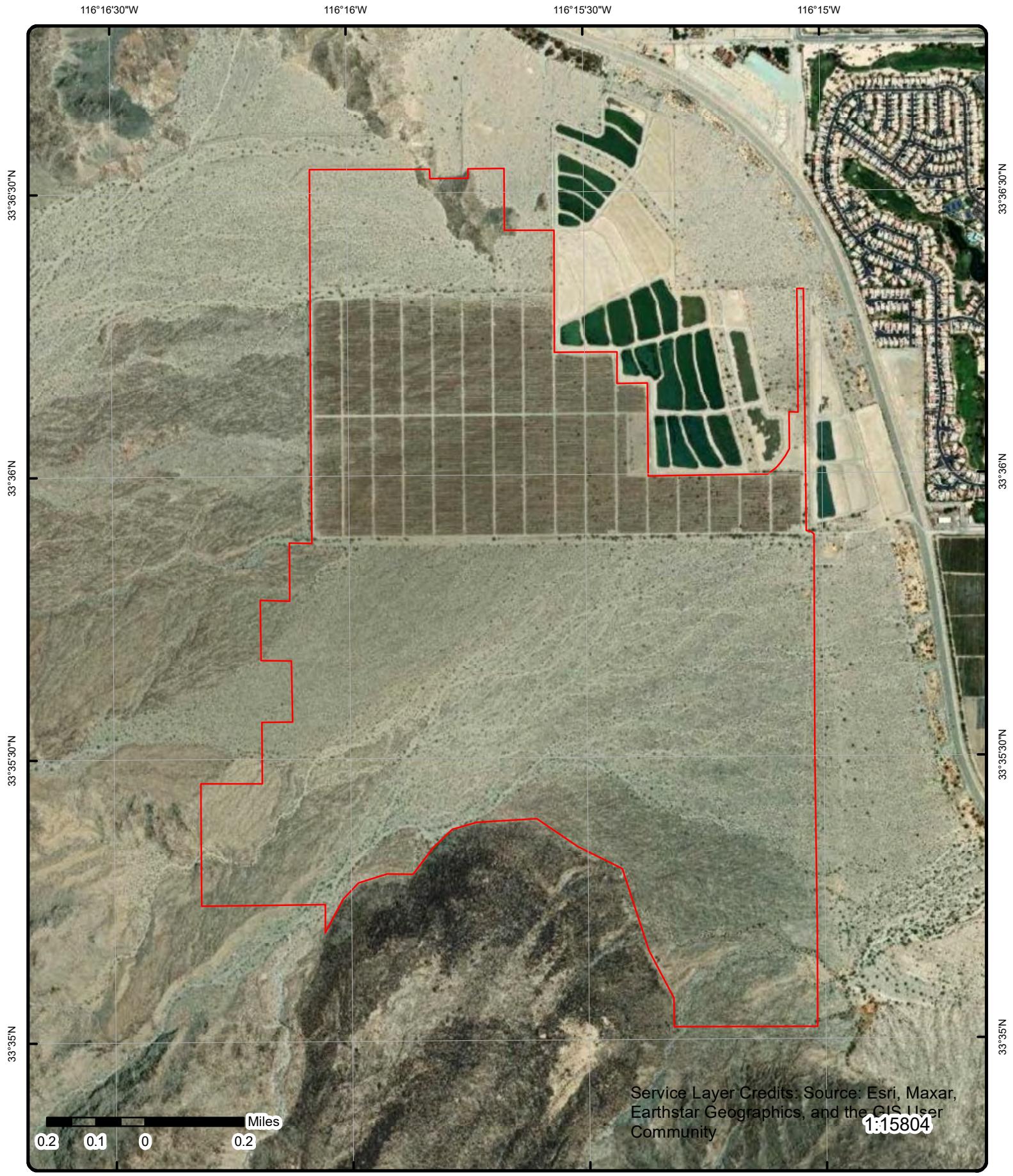


## Map: 0.25 Mile Radius

Order Number: 22122300230

Address: Vacant Land, La Quinta, CA





**Aerial** Year: 2021

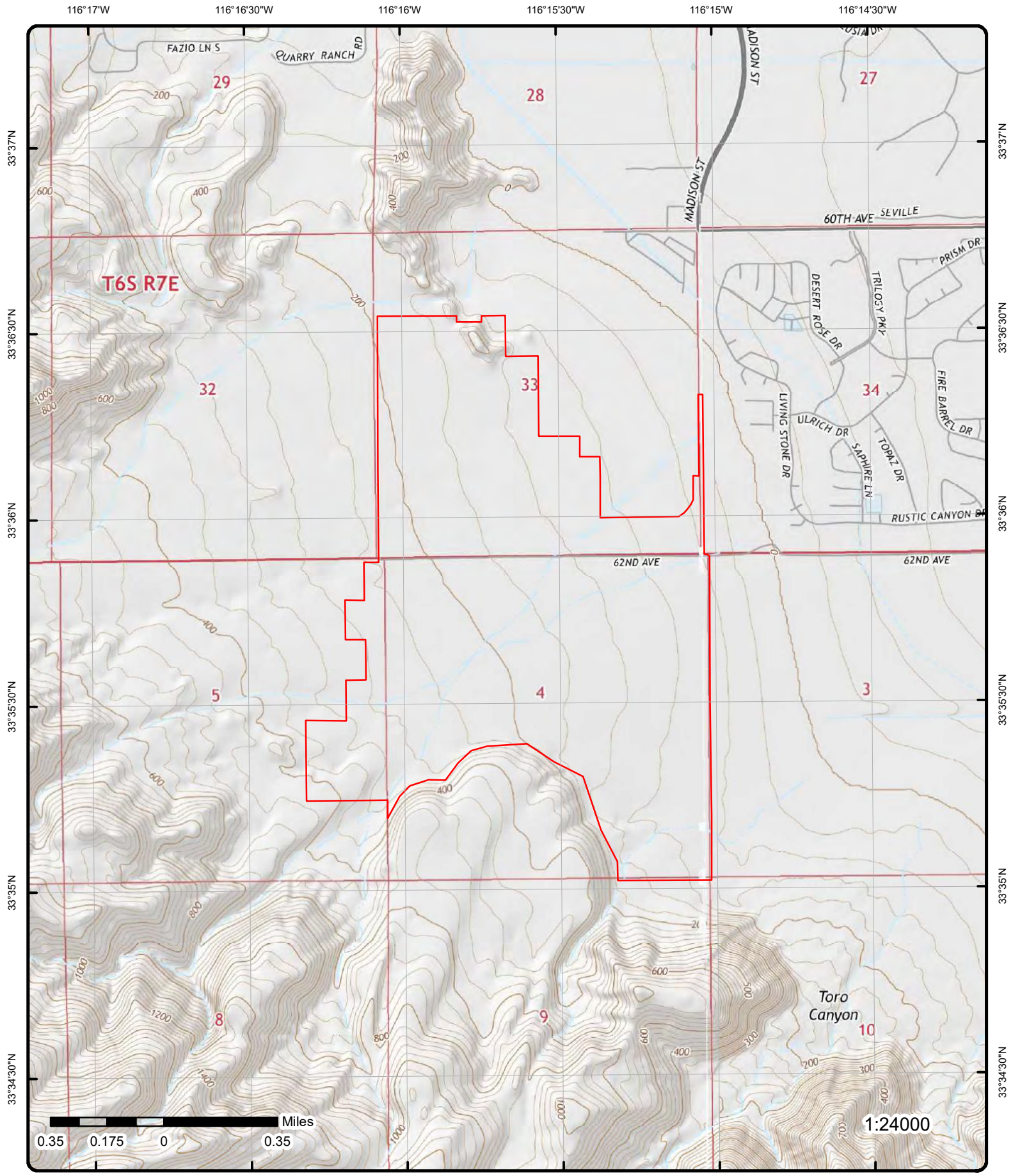
Address: Vacant Land, La Quinta, CA

Source: ESRI World Imagery

Order Number: 22122300230



© ERIS Information Inc.



# Topographic Map

Year: 2015

Order Number: 22122300230

Address: Vacant Land, CA



Quadrangle(s): Martinez Mountain, CA; Valerie, CA; La Quinta, CA; Indio, CA

© ERIS Information Inc.

Source: USGS Topographic Map

## Detail Report

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
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No records found in the selected databases for the project property or surrounding properties.

# Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
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No unplottable records were found that may be relevant for the search criteria.

## Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

## 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 and E1527-21, 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**

##### **Formerly Utilized Sites Remedial Action Program:**

[DOE FUSRAP](#)

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

**Government Publication Date: Mar 4, 2017**

##### **National Priority List:**

[NPL](#)

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Jul 26, 2022**

##### **National Priority List - Proposed:**

[PROPOSED NPL](#)

Sites proposed - by the EPA, the state agency, 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Jul 26, 2022**

##### **Deleted NPL:**

[DELETED NPL](#)

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Jul 26, 2022**

**SEMS List 8R Active Site Inventory:**[SEMS](#)

The U.S. Environmental Protection Agency's (EPA) 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. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

**Government Publication Date:** Sep 28, 2022

**SEMS List 8R Archive Sites:**[SEMS ARCHIVE](#)

The U.S. Environmental Protection Agency's (EPA) 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. This data includes sites from the List 8R Archived site file.

**Government Publication Date:** Sep 28, 2022

**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

**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). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

**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:** Sep 5, 2022

**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: Sep 5, 2022**

**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: Sep 5, 2022**

**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: Sep 5, 2022**

**RCRA Very Small Quantity Generators List:**[RCRA VSQG](#)

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). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

**Government Publication Date: Sep 5, 2022**

**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: Sep 5, 2022**

**RCRA Sites with Controls:**[RCRA CONTROLS](#)

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

**Government Publication Date: Sep 5, 2022**

**Federal Engineering Controls-ECs:**[FED ENG](#)

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). 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. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Oct 27, 2022**

**Federal Institutional Controls- ICs:**

FED INST

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs 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 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. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date:** Oct 27, 2022

**Land Use Control Information System:**

LUCIS

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

**Government Publication Date:** Sep 1, 2006

**Institutional Control Boundaries at NPL sites:**

NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. 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.

**Government Publication Date:** Jul 26, 2022

**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 made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

**Government Publication Date:** Aug 28, 2022

**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 data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

**Government Publication Date:** Sep 13, 2022

**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

**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:** Dec 31, 2021

**Delisted Facility Response Plans:**

DELISTED FRP

Facilities that once appeared in - and have since been removed from - the 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:** Dec 31, 2021

**Historical Gas Stations:**

HIST GAS STATIONS

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

**Government Publication Date:** Jul 1, 1930

**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:** Aug 30, 2022

**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:** Jun 29, 2022

**LIEN on Property:**

SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

**Government Publication Date:** Sep 28, 2022

**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:** Sep 28, 2022

**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:** Oct 17, 2022

**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:** Oct 17, 2022

**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:** Oct 17, 2022

**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:** Nov 7, 2022

**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

**Waste Management Unit Database:**

WMUD

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

**Government Publication Date:** Jan 1, 2000

**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:** Oct 17, 2022

**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

**Construction and Demolition Debris Recyclers:**

C&amp;D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

**Government Publication Date:** Jun 20, 2018

**Recycling Centers:**

RECYCLING

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

**Government Publication Date:** Oct 11, 2022

**Listing of Certified Processors:**

PROCESSORS

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

**Government Publication Date:** Oct 11, 2022

**Listing of Certified Dropoff, Collection, and Community Service Programs:**

CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

**Government Publication Date:** Oct 11, 2022

**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: Nov 16, 2022**

**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: Nov 16, 2022**

**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: Nov 16, 2022**

**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: Oct 14, 2022**

**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: May 5, 2021**

**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**

**Statewide Environmental Evaluation and Planning System:**

UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

**Government Publication Date: Oct 1, 1994**

**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**

**SWRCB Historical Aboveground Storage Tanks:**

AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

**Government Publication Date: Dec 1, 2007**

**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: Oct 6, 2022**

**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:** Nov 15, 2022

**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:** Oct 7, 2022

**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:** Oct 7, 2022

**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 the 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

**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:** Oct 17, 2022

**CALSITES Database:**[CALSITES](#)

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

**Government Publication Date:** May 1, 2004

**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:** Feb 18, 2021

**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:** Nov 16, 2022

**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:** Oct 17, 2022

**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.

**Delisted Cleanup Program Sites:**

[DELISTED CLEANUP](#)

A list of Cleanup Program sites which were once included - and have since been removed from - the list of Cleanup Program Sites in 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.

Government Publication Date: Nov 16, 2022

**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: Dec 16, 2022

**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, 2022

**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, 2022

**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: Oct 14, 2022

**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: Oct 14, 2022

**County**

**Riverside County - Local Oversight Program List:**

[LOP RIVERSIDE](#)

A list of Leaking Underground Storage Tank (LUST) facilities in Riverside County. This list is made available by Riverside County Department of Environmental Health. Environmental Cleanup Program provides oversight of assessments and cleanups at properties that have been, or may have been, contaminated with hazardous substances from LUSTs or releases associated with other commercial/industrial use.

Government Publication Date: Jul 5, 2022

**Riverside County - Underground Storage Tanks List:**

[UST RIVERSIDE](#)

A list of registered Underground Storage Tank (UST) sites in Riverside County. This list is made available by Riverside County Department of Environmental Health. The Hazardous Materials Management Branch (HMMB) regulates and oversees the inspections of constructions, repairs, upgrades, system operation and removal of UST systems.

Government Publication Date: Jul 5, 2022

**Additional Environmental Record Sources**

**Federal**

**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: Nov 2, 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: Aug 24, 2021**

**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: Aug 24, 2021**

**PFOA/PFOS Contaminated Sites:**

[PFAS NPL](#)

List of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been found in water and/or soil. The site listing is provided by the Federal Environmental Protection Agency (EPA).

**Government Publication Date: Oct 4, 2022**

**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: Jul 20, 2020**

**SSEHRI PFAS Contamination Sites:**

[PFAS SSEHRI](#)

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations <https://pfasproject.com/pfas-contamination-site-tracker/>

**Government Publication Date: Dec 12, 2019**

**National Response Center PFAS Spills:**

[ERNS PFAS](#)

National Response Center (NRC) calls from 1990 to the most recent complete calendar year where there is indication of Aqueous Film Forming Foam (AFFF) usage. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Data made available by the US Environmental Protection Agency (EPA). Disclaimer: dataset may include initial or misidentified incident data not yet validated or investigated by a federal/state response agency.

**Government Publication Date: Feb 23, 2022**

**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: Sep 1, 2020**

**National Clandestine Drug Labs:**

[NCDL](#)

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), 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.

**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 site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Sep 28, 2022

**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. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

**Integrated Compliance Information System (ICIS):**

[ICIS](#)

The U.S. Environmental Protection Agency's Enforcement and Compliance History Online system incorporates data from the Integrated Compliance Information System - National Pollutant Discharge Elimination System (ICIS-NPDES). ICIS-NPDES is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. This data includes permit, inspection, violation and enforcement action information for applicable ICIS records.

Government Publication Date: Oct 15, 2022

**Drycleaner Facilities:**

[FED DRYCLEANERS](#)

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jun 25, 2022

**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:** Jun 25, 2022

**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. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset.

**Government Publication Date:** Jul 12, 2022

**Former Military Nike Missile Sites:**

FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

**Government Publication Date:** Dec 2, 1984

**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:** Jul 7, 2020

**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:** May 11, 2021

**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) is provided by the United State Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

**Government Publication Date:** Aug 3, 2022

**Surface Mining Control and Reclamation Act Sites:**

SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

**Government Publication Date:** Aug 18, 2022

**Mineral Resource Data System:**

MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

**Government Publication Date: Mar 15, 2016**

#### **DOE Legacy Management Sites:**

[LM SITES](#)

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

**Government Publication Date: Dec 1, 2022**

#### **Alternative Fueling Stations:**

[ALT FUELS](#)

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG) fuel type locations.

**Government Publication Date: Oct 10, 2022**

#### **Superfunds Consent Decrees:**

[CONSENT DECREES](#)

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

**Government Publication Date: Sep 15, 2022**

#### **Air Facility System:**

[AFS](#)

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

**Government Publication Date: Oct 17, 2014**

#### **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 30, 2022**

#### **Polychlorinated Biphenyl (PCB) Transformers:**

[PCBT](#)

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

**Government Publication Date: Oct 15, 2019**

#### **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.

## **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: Dec 20, 2021

### **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: Feb 28, 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, 2020

### **Per- and Polyfluoroalkyl Substances (PFAS):**

[PFAS](#)

List of FAA Part 139 Airports, Selected Landfills, and Chrome Plating Facilities from California Water Boards PFAS Investigations, as well as 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: Feb 15, 2022

### **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.

Government Publication Date: Aug 27, 2022

### **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 20, 2021

### **Toxic Pit Cleanup Act Sites:**

[TOXIC PITS](#)

The Toxic Pits Cleanup Act (TPCA) list identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. This list was maintained by the State Water Resources Control Board (SWRCB), is not longer maintained, and updates are not planned.

Government Publication Date: Jul 1, 1995

### **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 29, 2021

### **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:** Oct 17, 2022

**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:** Aug 15, 2022

**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

**Handlers from Hazardous Waste Manifest Data:**

HAZNET

A list of handlers not otherwise classified as Treatment, Storage, Disposal facilities (TSDF) or generators from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

**Government Publication Date:** Oct 24, 2016

**Generators from Hazardous Waste Manifest Data:**

HAZ GEN

List of handlers listed as having generated waste from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

**Government Publication Date:** Dec 31, 2017

**TSDF from Hazardous Waste Manifest Data:**

HAZ TSD

List of Treatment, Storage, and Disposal Facilities (TSDFs) from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

**Government Publication Date:** Dec 31, 2017

**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

**DTSC Registered Hazardous Waste Transporters:**

HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

**Government Publication Date:** Sep 6, 2022

**Registered Waste Tire Haulers:**

WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

**Government Publication Date:** Oct 11, 2022

**California Medical Waste Management Program Facility List:**

MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

**Government Publication Date:** Oct 31, 2022

**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: Dec 6, 2021**

**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: Oct 7, 2022**

**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: Nov 16, 2022**

**Mines Listing:****MINE**

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

**Government Publication Date: Jun 23, 2022**

**Recorded Environmental Cleanup Liens:****LIEN**

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

**Government Publication Date: Aug 3, 2022**

**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: Nov 16, 2022**

**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, 2020**

**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: Jan 19, 2021**

## **Tribal**

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

## **County**

### **Riverside County - Hazardous Waste Generator Sites List:**

[HWG RIVERSIDE](#)

A list of Hazardous Waste Generator Sites in the County of Riverside. This list is made available by Riverside County Department of Environmental Health which has been designated as the CUPA for the County.

**Government Publication Date: Jul 5, 2022**

### **Riverside County - Disclosure Facility List:**

[HZH RIVERSIDE](#)

A list of facilities disclosed to Riverside County Department of Environmental Health (DEH). This list is made available by Riverside County DEH which has been designated as the CUPA for the County. A business is required to establish and submit a Business Plan if the facility handles hazardous material equal to or greater than 55 gallons, 500 pounds or 200 cubic feet at any time during the year.

**Government Publication Date: Jul 5, 2022**

### **Riverside County - Medical Waste Facilities:**

[MED WST RIVERSIDE](#)

This list of active and inactive medical waste facilities is maintained by the County of Riverside Department of Environmental Health.

**Government Publication Date: Feb 9, 2022**

### **Riverside County - California Accidental Release Prevention Program Sites:**

[RMP RIVERSIDE](#)

This list of Riverside County California Accidental Release Prevention Program sites is maintained by the County of Riverside Department of Environmental Health. AB 3777 was enacted in 1986 to minimize potential emergencies involving acutely hazardous materials by requiring facilities which handle these materials to submit Risk Management Prevention Plans. The Riverside County Department of Environmental Health Hazardous Materials Branch began implementation of this Program County-wide in January 1991. All cities within Riverside County are included in this list.

**Government Publication Date: Jul 5, 2022**

# 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 D**

## **EXHIBIT D-1**

### **Historical City Directories**



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ERIS City Directory Search

as of 12/27/2022

Project Property: Vacant Land - Vacant Land, La Quinta, CA US

Product Description: CD - 2 Street Search

ERIS Order No: 22122300230

ADDRESS	YEAR	LISTING	COMMENTS	SOURCE
0 62ND AVE	2022	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	2020	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	2016	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	2012	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	2003	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	2000	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	1996	RANGE NOT LISTED		HAINES
	1986	RANGE NOT LISTED		HAINES
	1984	RANGE NOT LISTED		HAINES
	1977	RANGE NOT LISTED		HAINES
	1974	RANGE NOT LISTED		HAINES
81260 62ND AVE	2008	SHEA HOMES FOR ACTIVE ADULTS	NEW CONST 1-FAM HC	DIGITAL BUSINESS DIREC
	1991	COLLINS ADAM L SR		HAINES
81576 62ND AVE	1991	MAUPIN GEORGIANA		HAINES
0 MADISON ST	2022	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	2020	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	2016	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	2012	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	2008	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	2003	NO LISTING FOUND		DIGITAL BUSINESS DIREC
	2000	NO LISTING FOUND		DIGITAL BUSINESS DIREC
51425 MADISON ST	2022	ROBERT SMITH	RESIDENTIAL	DIGITAL BUSINESS DIREC
	2020	ROBERT SMITH	RESIDENTIAL	DIGITAL BUSINESS DIREC
	2016	ROBERT SMITH	RESIDENTIAL	DIGITAL BUSINESS DIREC
51551 MADISON ST	2003	JOHN M VENABLE	RESIDENTIAL	DIGITAL BUSINESS DIREC
51555 MADISON ST	2012	OLGA GIANNINI	RESIDENTIAL	DIGITAL BUSINESS DIREC
	2012	GABRIELLA GIANNINI	RESIDENTIAL	DIGITAL BUSINESS DIREC

	2012	BRUCE BUDDENHAGEN	RESIDENTIAL	DIGITAL BUSINESS DIREC
	2012	HILDEGARD MENZEL	RESIDENTIAL	DIGITAL BUSINESS DIREC
	2012	PAULA PHILLIPS	RESIDENTIAL	DIGITAL BUSINESS DIREC
	2008	GABRIEL M GIANNINI	RESIDENTIAL	DIGITAL BUSINESS DIREC
	2008	LUXURY VACATION MALL	SHOPPING CENTERS &	DIGITAL BUSINESS DIREC
	2003	GIANNINI INSTITUTE		DIGITAL BUSINESS DIREC
54001 MADISON ST	2022	LA QUINTA FIRE DEPT	FEDERAL GOVERNMENT	DIGITAL BUSINESS DIREC
	2020	LA QUINTA FIRE DEPT	FEDERAL GOVERNMENT	DIGITAL BUSINESS DIREC
	2016	LA QUINTA FIRE DEPT	FIRE DEPARTMENTS	DIGITAL BUSINESS DIREC
	2012	LA QUINTA FIRE DEPT	FIRE DEPARTMENTS	DIGITAL BUSINESS DIREC
	2008	LA QUINTA FIRE DEPT	FIRE DEPARTMENTS; FIRE	DIGITAL BUSINESS DIREC
	2003	LA QUINTA FIRE DEPT	FIRE PROTECTION, LEV	DIGITAL BUSINESS DIREC
	1991	FIRE DEPT BUSINESS		HAINES
	1991	RIVRS D CO FIRE STA		HAINES
55400 MADISON ST	1991	WERNER DIETRICH		HAINES
	1986	WERNER DIETRICH		HAINES
	1984	WERNER DIETRICH		HAINES
57325 MADISON ST	1996	LA QUINTA SCLPTR PK		HAINES
	1991	BONNIE&BEN DEVL		HAINES
57751 MADISON ST	2000	FRASER KEITH	RESIDENTIAL	DIGITAL BUSINESS DIREC
	2000	HANSEN PETER	RESIDENTIAL	DIGITAL BUSINESS DIREC
	1996	XXXX		HAINES
	1991	XXXX		HAINES
	1986	TAYLOR TERRY R		HAINES
	1977	AVERNA LOUIS		HAINES
	1977	BUTTERFIELD GLADYS		HAINES
	1974	AVERNA LOUIS		HAINES
57800 MADISON ST	1977	GARZA PAULINE		HAINES
	1974	GARZA PAULINE		HAINES
58500 MADISON ST	1991	WINGROVE JAS		HAINES
	1986	FOOKES DAN		HAINES
	1986	KELLERMAN CHAS		HAINES
	1984	FOOKES DAN		HAINES
	1984	KELLERMAN CHAS		HAINES
	1977	FOOKES DAN		HAINES

	1974	FETTY HOMER	HAINES
	1974	FOOKES EURA MAY	HAINES
59000 MADISON ST	1991	FETTY HOMER	HAINES
	1986	FETTY HOMER	HAINES
	1984	FETTY HOMER	HAINES
	1977	FETTY HOMER	HAINES
	1974	FETTY HOMER	HAINES
59781 MADISON ST	1991	DODD JIM	HAINES
	1986	DODD JIM	HAINES
	1984	DODD JIM	HAINES
	1977	XXXX	HAINES
	1974	LAWRENCE DAVID	HAINES
60100 MADISON ST	1991	XXXX	HAINES
	1986	VENABLE JOHN M	HAINES
	1984	VENABLE JOHN M	HAINES

[illegible]

[illegible]

[illegible]

# **APPENDIX D**

## **EXHIBIT D-2**

### **Historical Topographic Maps Compilation**



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# TOPOGRAPHIC MAPS

<b>Project Property:</b>	Vacant Land Vacant Land La Quinta CA None
<b>Project No:</b>	1951-2022[1]
<b>Requested By:</b>	GEO FORWARD
<b>Order No:</b>	22122300230
<b>Date Completed:</b>	December 24, 2022

**Environmental Risk Information Services**

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1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2021	7.5
2018	7.5
2015	7.5
1996	7.5
1988	7.5
1981	7.5
1959	15
1944	15
1941	15

**Topographic Map Symbolology for the maps may be available in the following documents:**

*Pre-1947*

[Page 223 of 1918 Topographic Instructions](#)

[Page 130 of 1928 Topographic Instructions](#)

*1947-2009*

[Topographic Map Symbols](#)

*2009-present*

[US Topo Map Symbols](#)

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No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS.

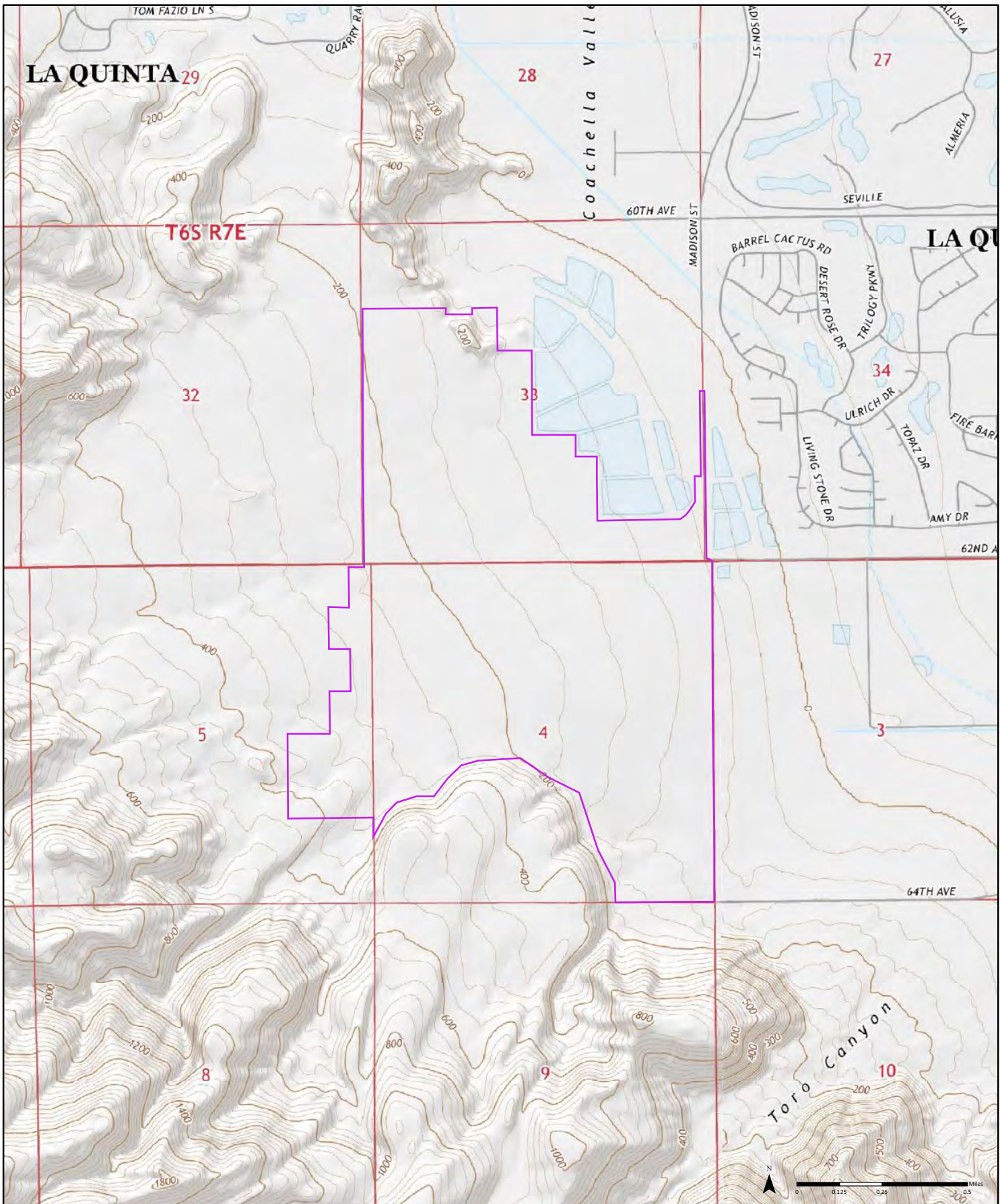
This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

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## Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)



2021

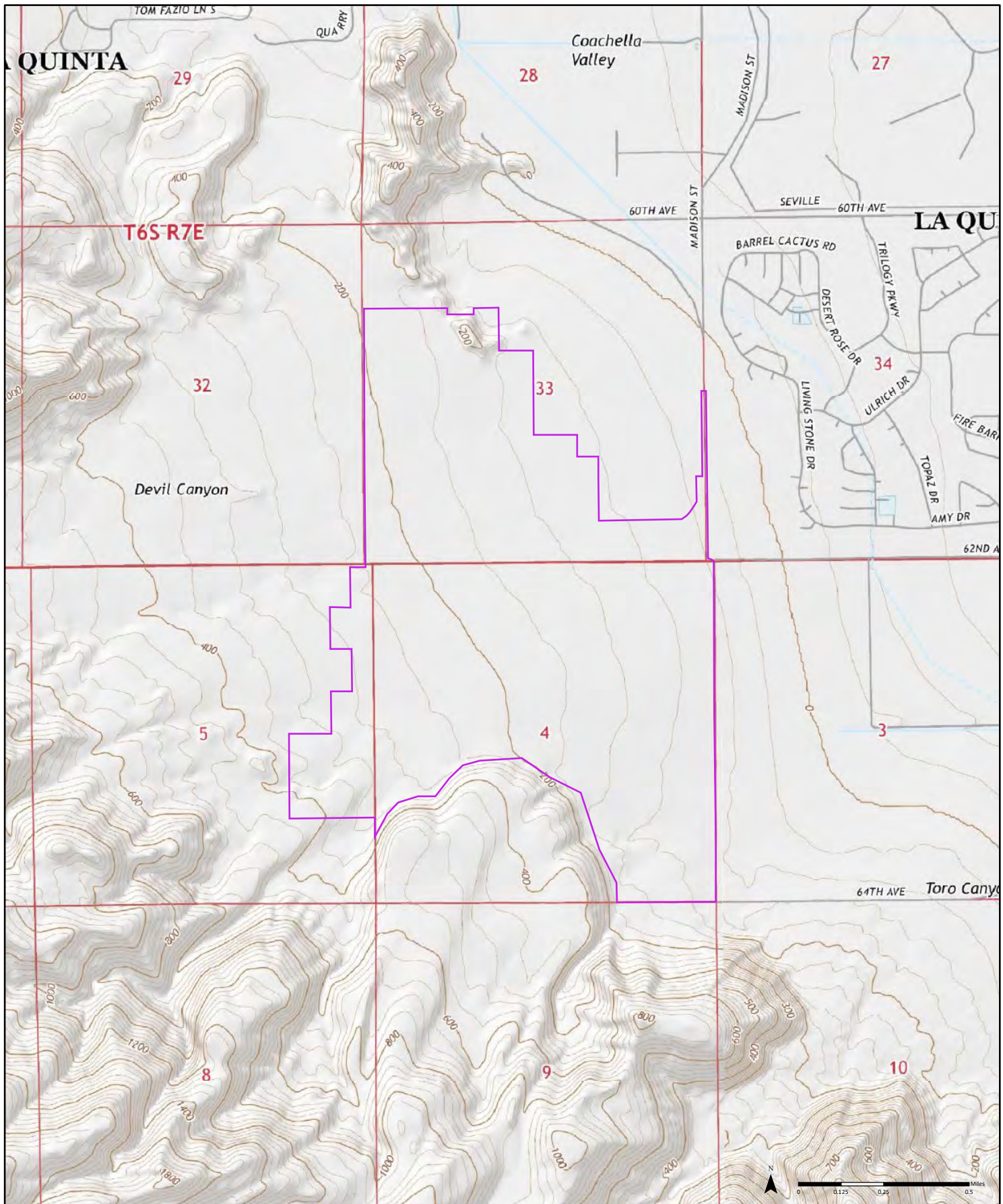
Order No. 22122300230



Available Quadrangle(s): Martinez Mountain, CA  
Valerie, CA

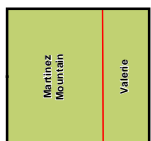
Source: USGS 7.5 Minute Topographic Map





2018

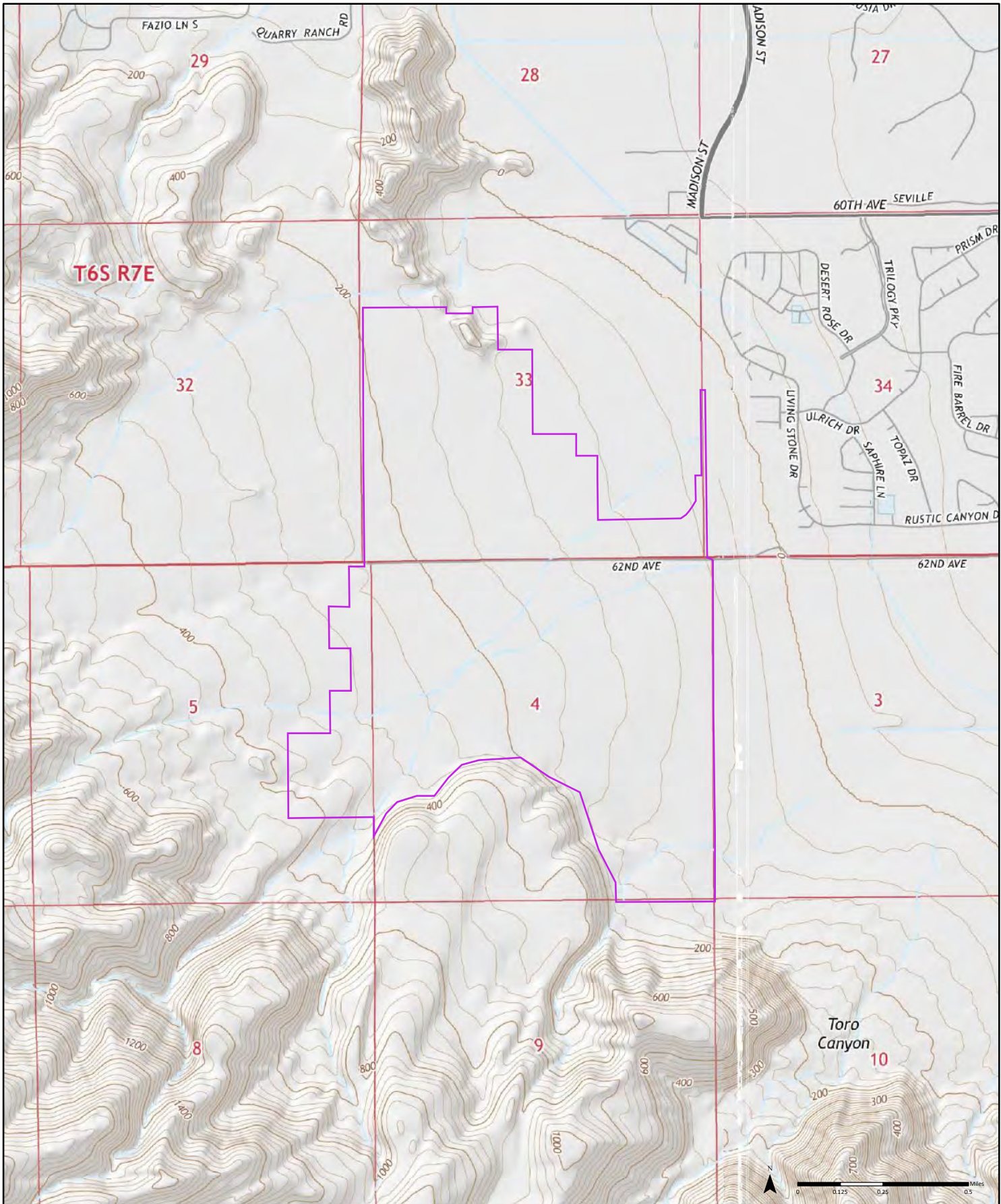
Order No. 22122300230



Available Quadrangle(s): Martinez Mountain, CA  
Valerie, CA

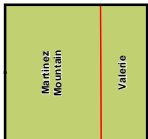
Source: USGS 7.5 Minute Topographic Map





2015

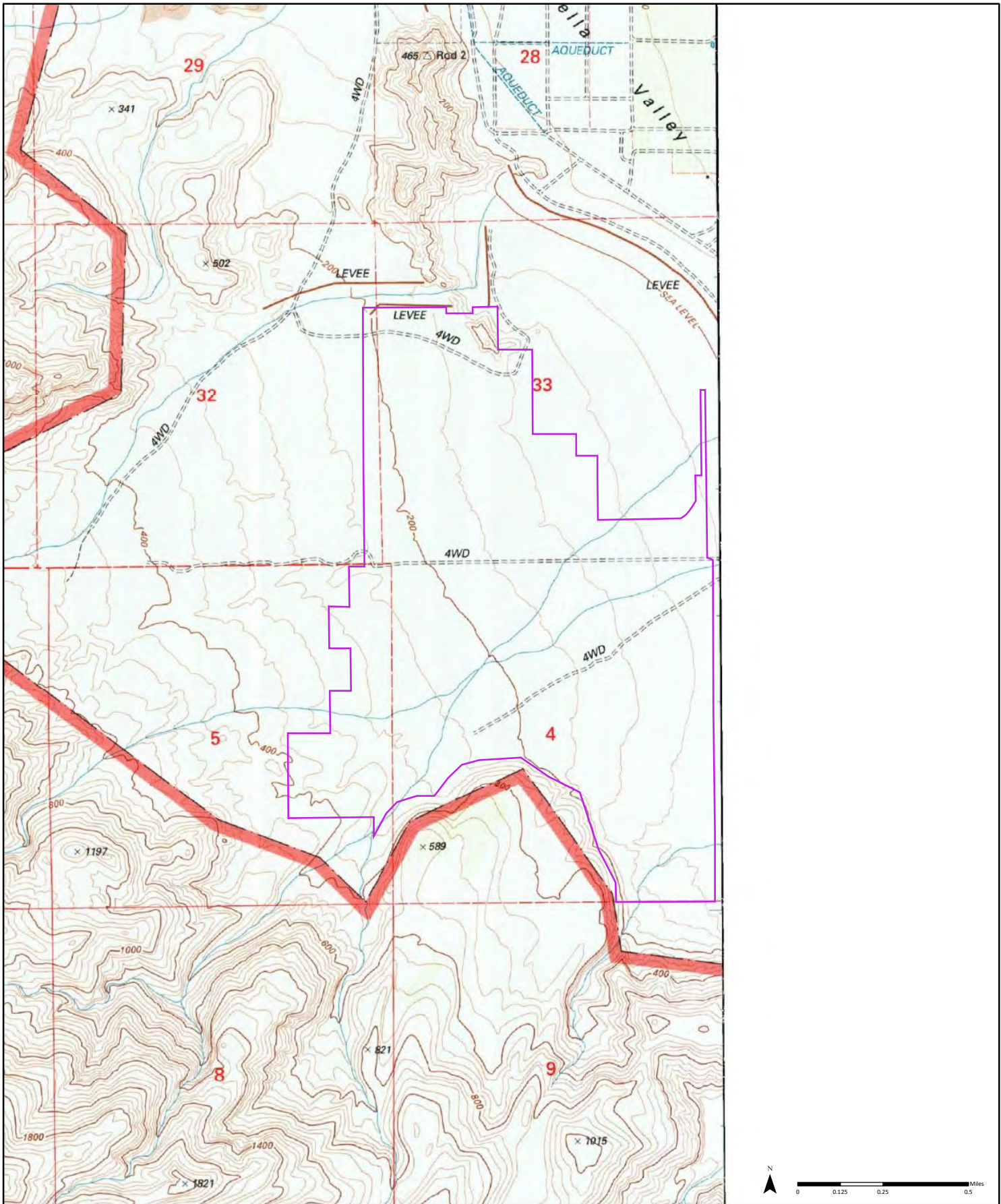
Order No. 22122300230



Available Quadrangle(s): Martinez Mountain, CA  
Valerie, CA

Source: USGS 7.5 Minute Topographic Map



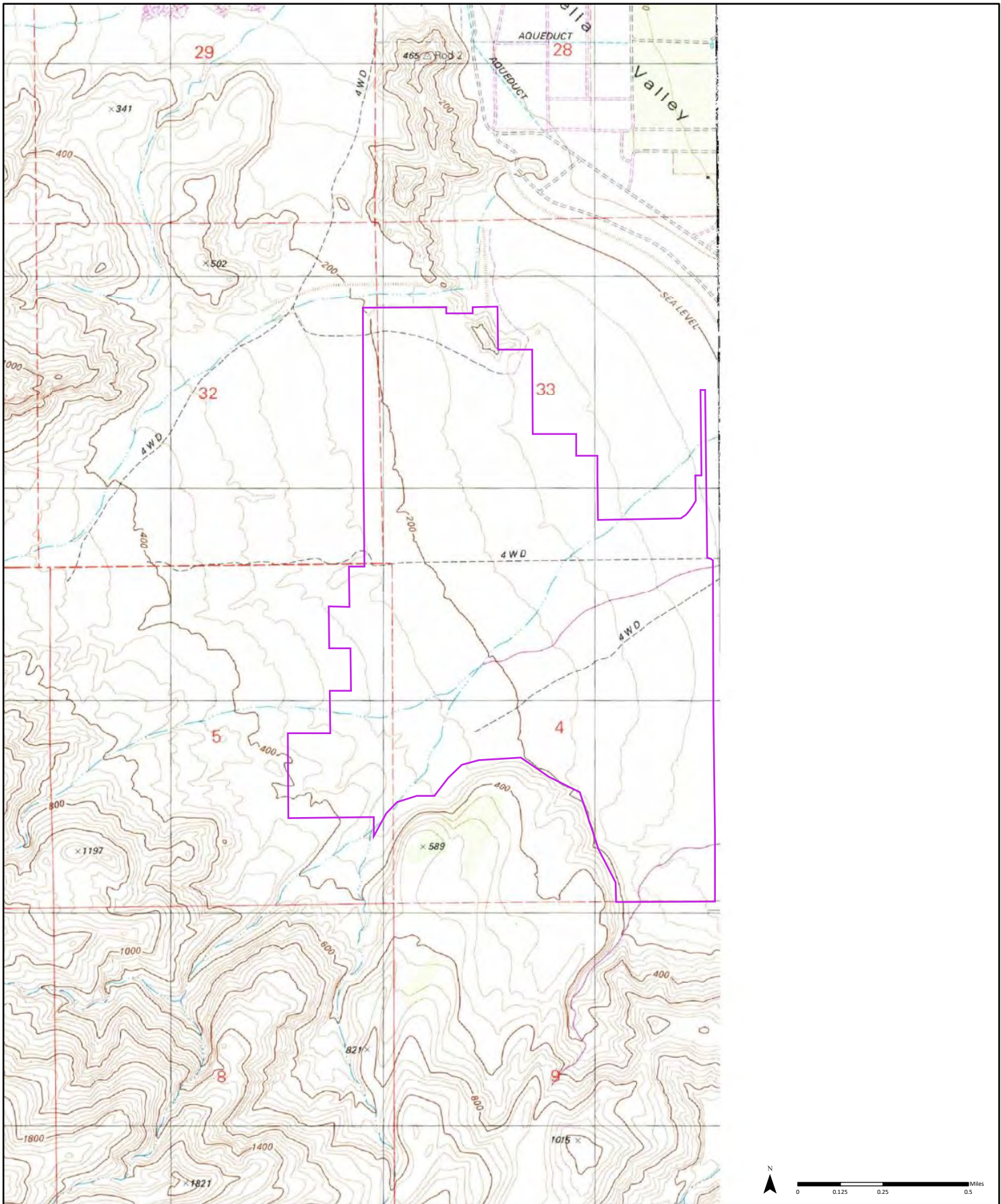


1996 (1-1996)  
Aerial Photo Year: 1994

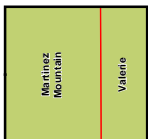
Order No. 22122300230



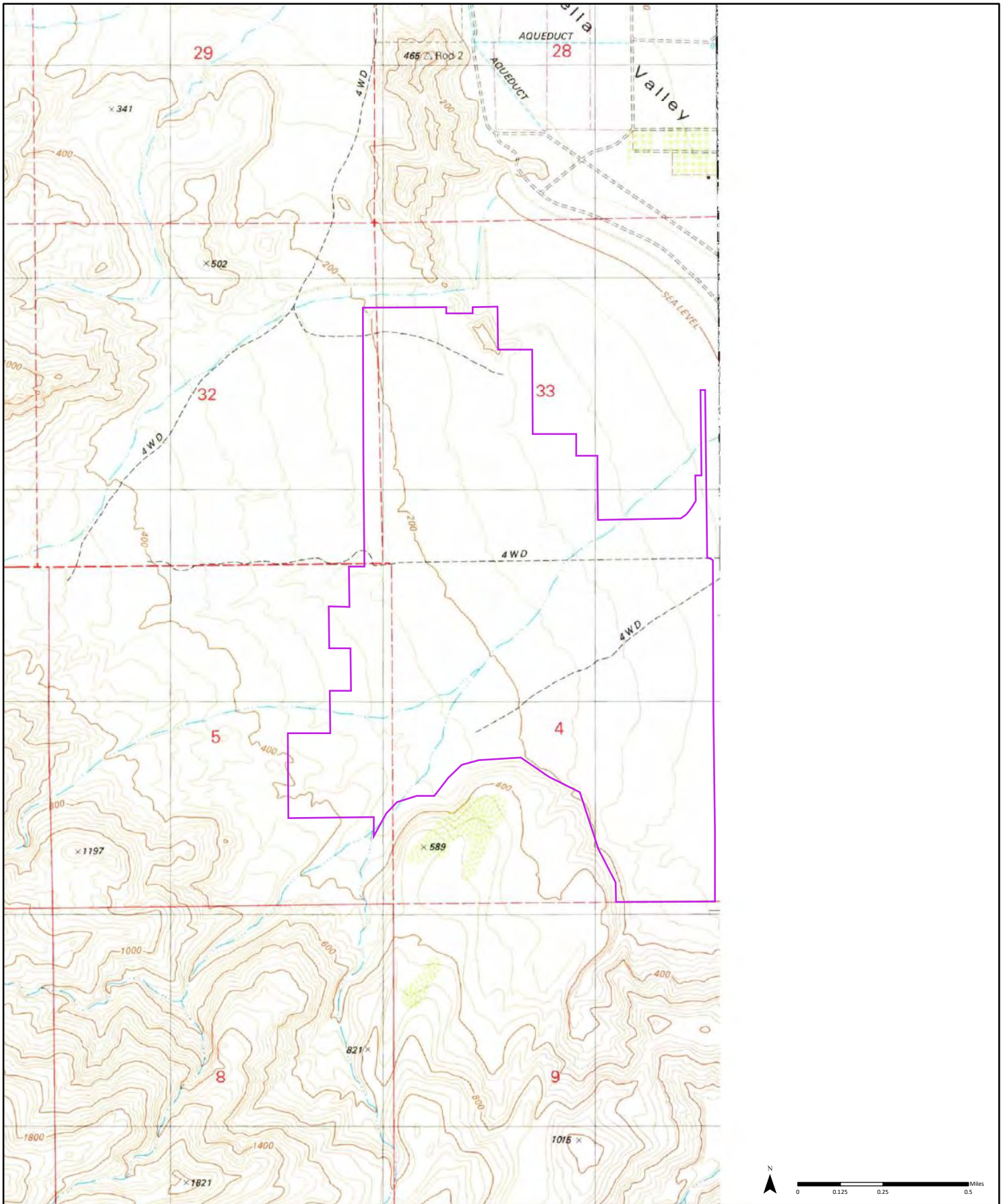
Available Quadrangle(s): Martinez Mountain, CA(1-1996)



1988 (1-1988) Aerial Photo Year: 1984 Photo Revision Year: 1988 Order No. 22122300230

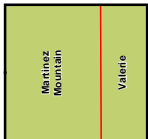


Available Quadrangle(s): Martinez Mtn, CA(1-1988)



1981 (1-1981)  
Aerial Photo Year: 1975

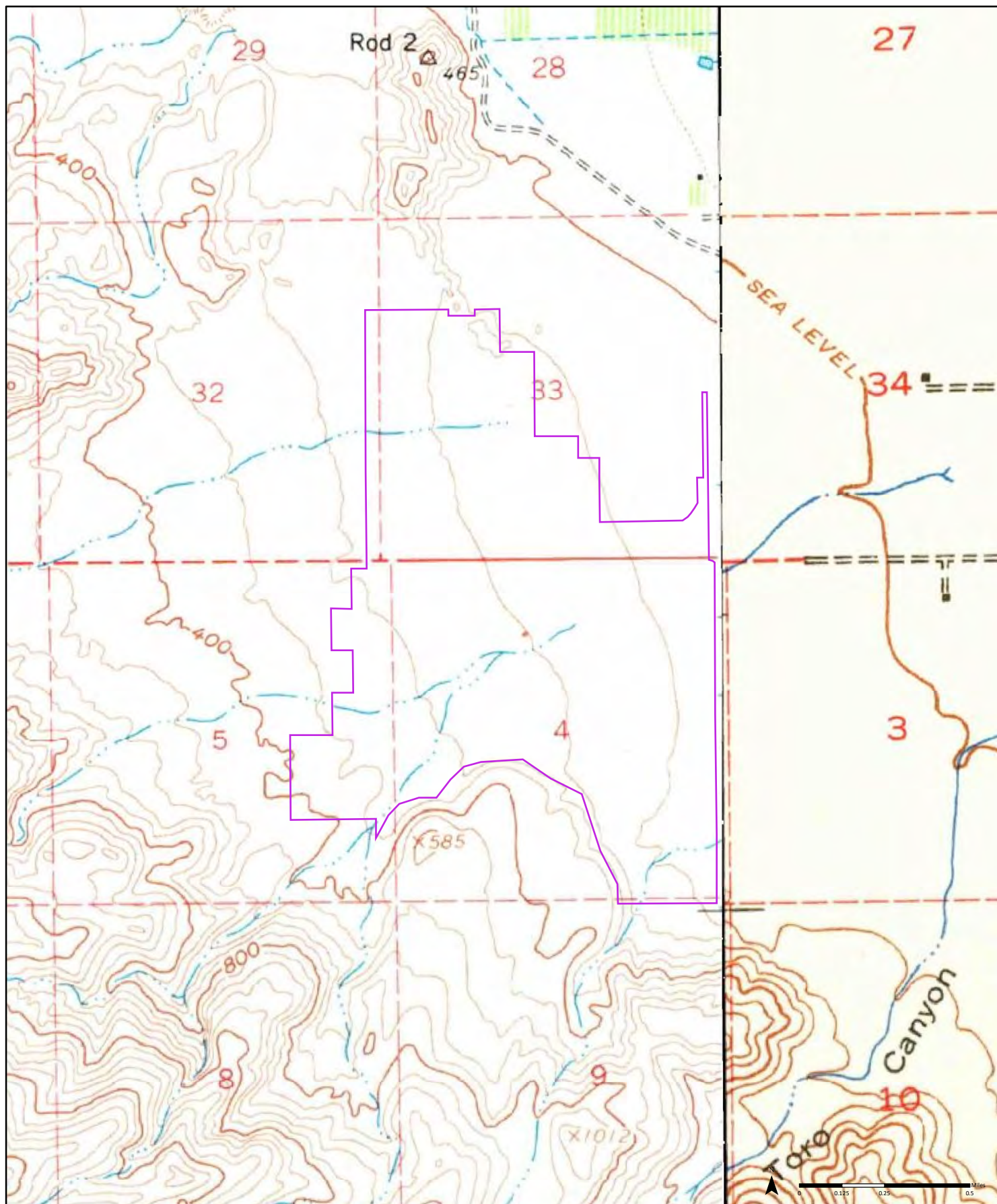
Order No. 22122300230



Available Quadrangle(s): Martinez Mtn, CA(1-1981)

Source: USGS 7.5 Minute Topographic Map

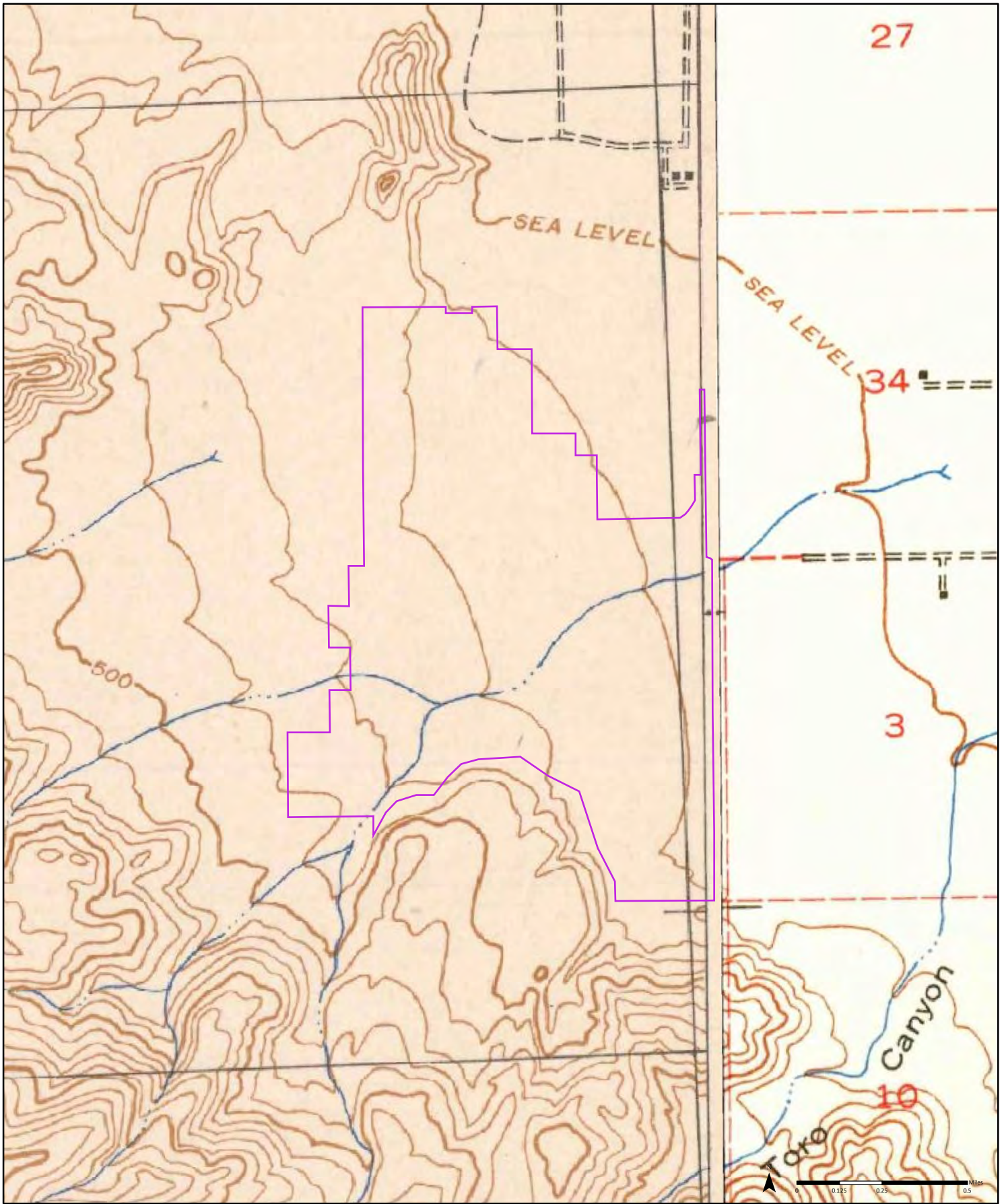




1959 (2-1941) Aerial Photo Year: 1941 (2-1959) Aerial Photo Year: 1954 Order No. 22122300230



Available Quadrangle(s): Palm Desert, CA(2-1959)  
Coachella, CA(1-1941)



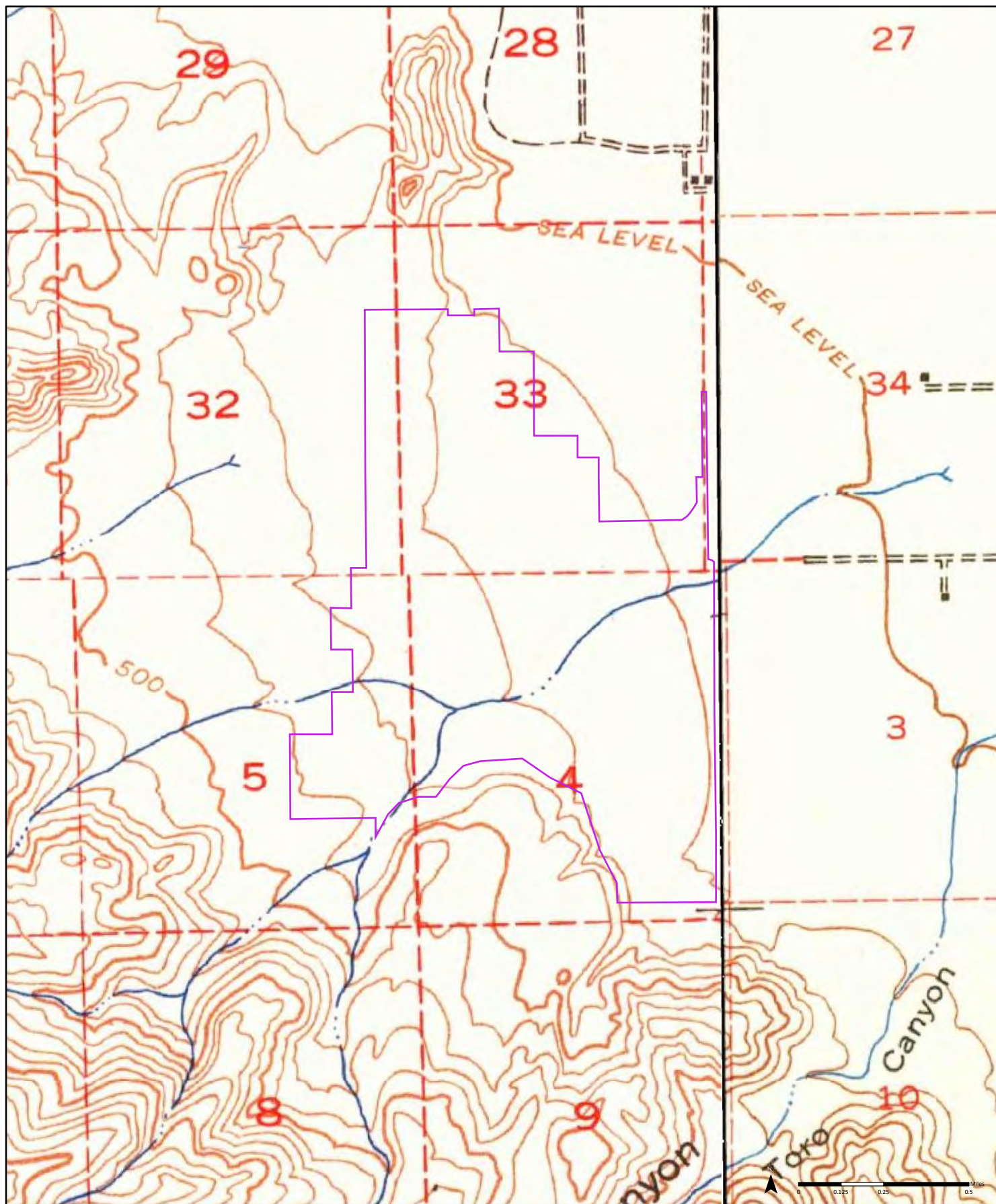
1944

(2-1941) Aerial Photo Year: 1941 (2-1944) Aerial Photo Year: 1941

Order No. 22122300230



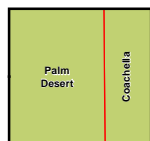
Available Quadrangle(s): Toro peak, CA (2-1944)  
Coachella, CA (1-1941)



1941

(2-1941) Aerial Photo Year: 1941 (2-1941) Aerial Photo Year: 1941

Order No. 22122300230



Available Quadrangle(s): Toro Peak, CA(2-1941)  
Coachella, CA(1-1941)

# **APPENDIX D**

## **EXHIBIT D-3**

### **Historical Aerial Photographs Compilation**



**(888) 930-6604**

[www.geoforward.com](http://www.geoforward.com)



# HISTORICAL AERIALS

**Project Property:** Vacant Land  
Vacant Land  
La Quinta CA  
**Project No:** 1951-2022[1]  
**Requested By:** GEO FORWARD  
**Order No:** 22122300230  
**Date Completed:** December 28,2022

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## Environmental Risk Information Services

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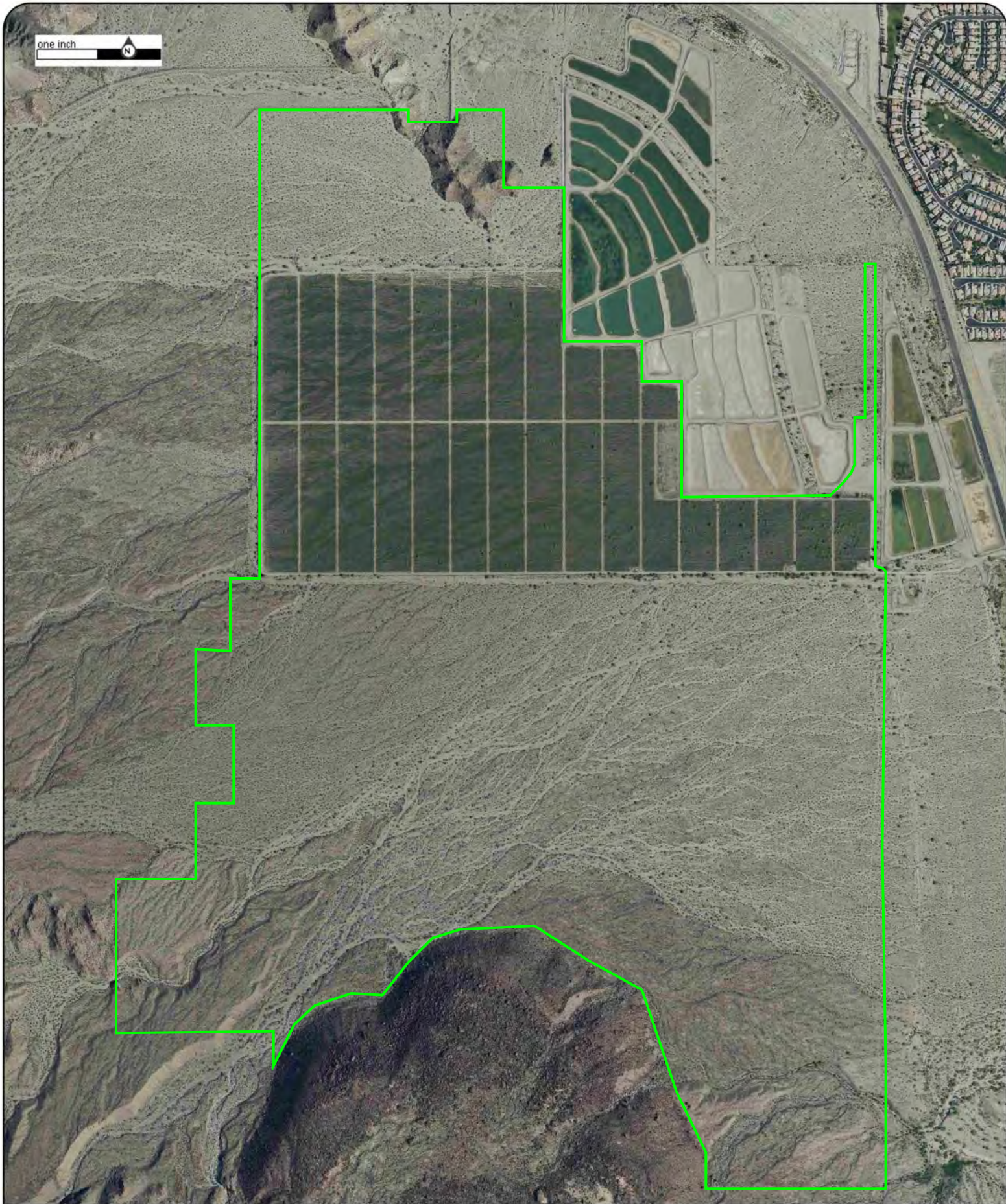
1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

Date	Source	Scale	Comments
2020	United States Department of Agriculture	1" = 1000'	
2018	United States Department of Agriculture	1" = 1000'	
2016	United States Department of Agriculture	1" = 1000'	
2014	United States Department of Agriculture	1" = 1000'	
2012	United States Department of Agriculture	1" = 1000'	
2009	United States Department of Agriculture	1" = 1000'	
2006	United States Department of Agriculture	1" = 1000'	
2004	United States Department of Agriculture	1" = 1000'	
2002	United States Geological Survey	1" = 1000'	
1996	United States Geological Survey	1" = 1000'	
1984	United States Geological Survey	1" = 1000'	
1975	United States Geological Survey	1" = 1000'	
1968	United States Air Force	1" = 1000'	
1954	United States Navy	1" = 1000'	
1947	United States Air Force	1" = 1000'	

## Environmental Risk Information Services

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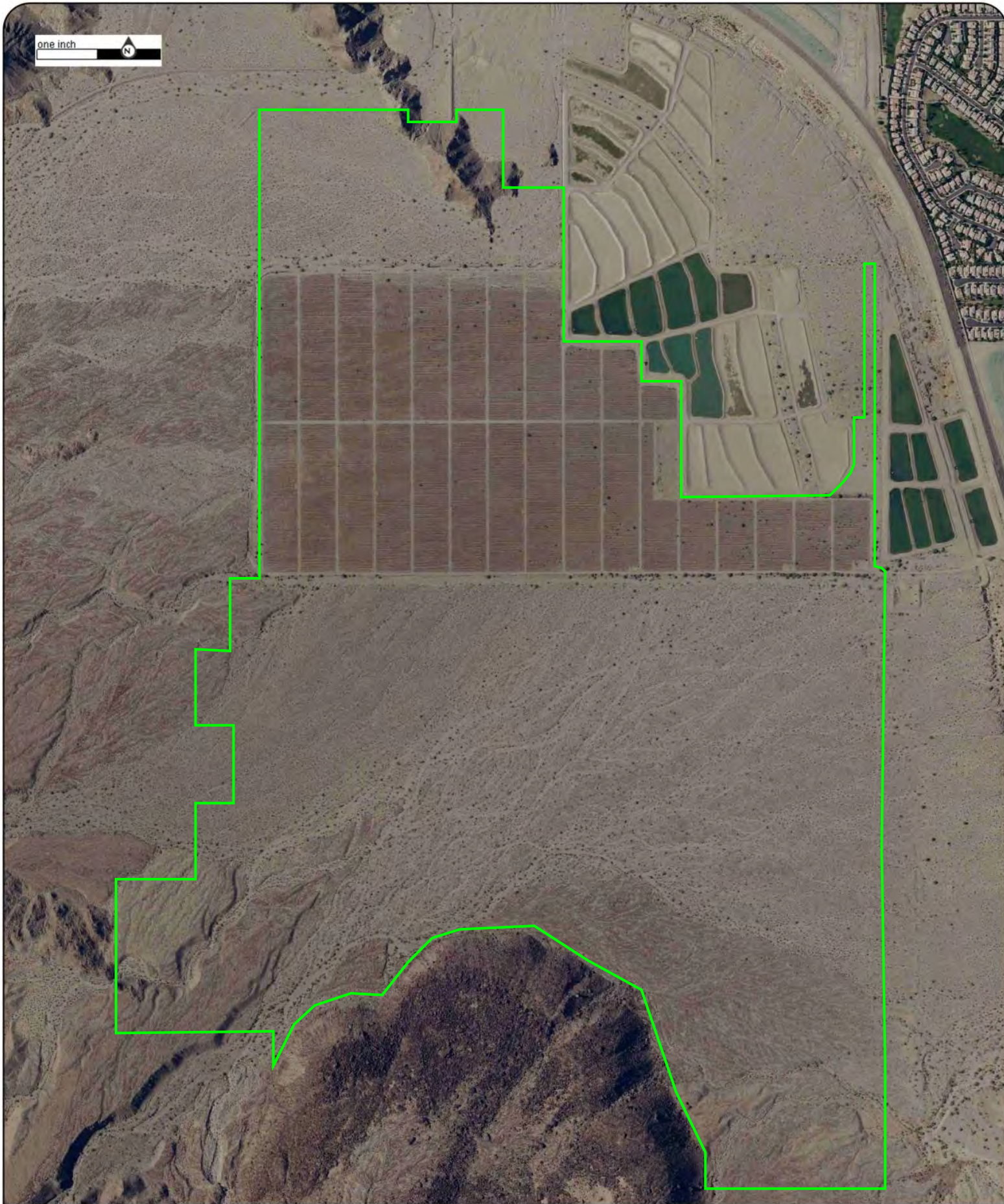


Year: 2020  
Source: USDA  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230





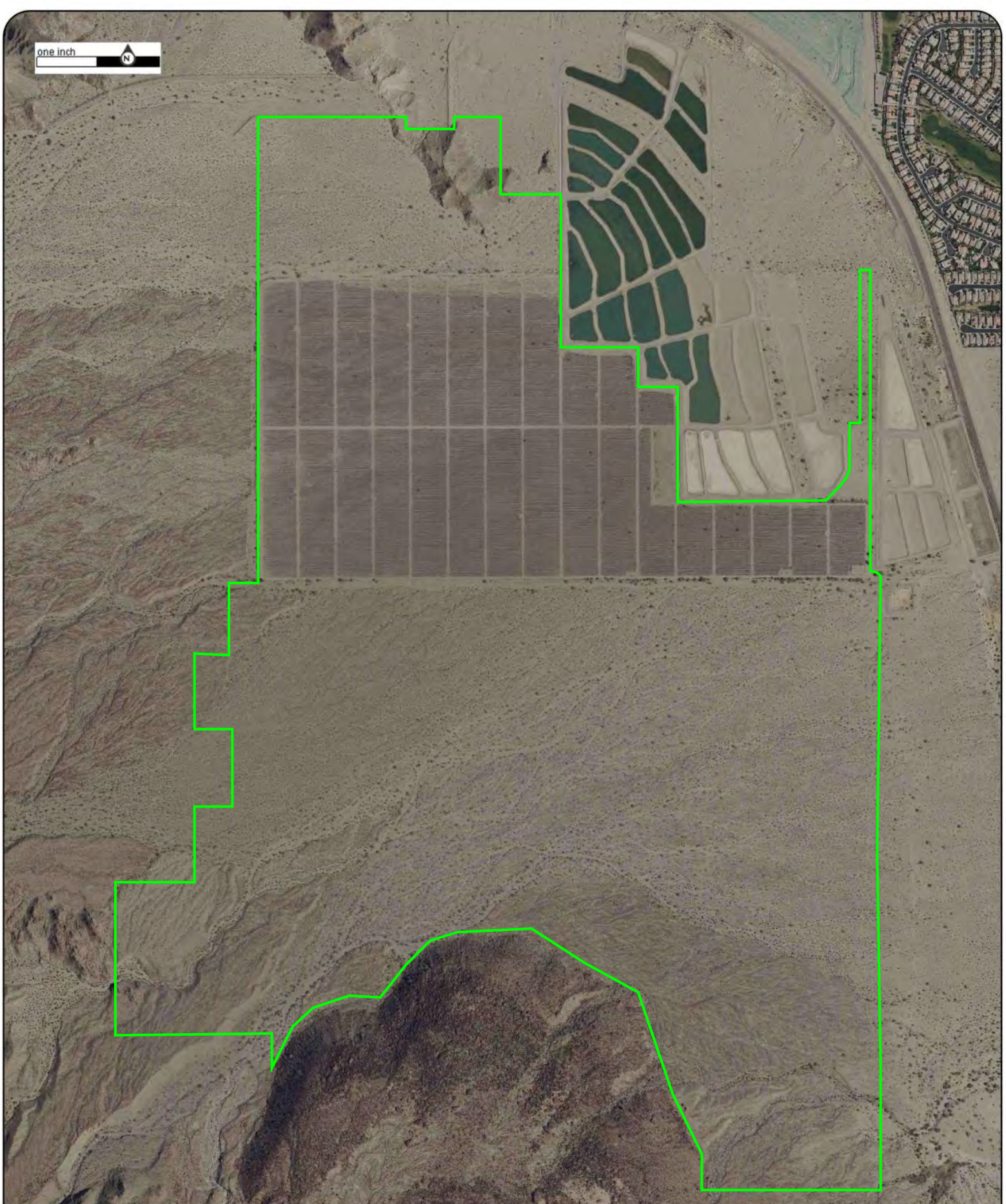
Year: 2018  
Source: USDA  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230



one inch



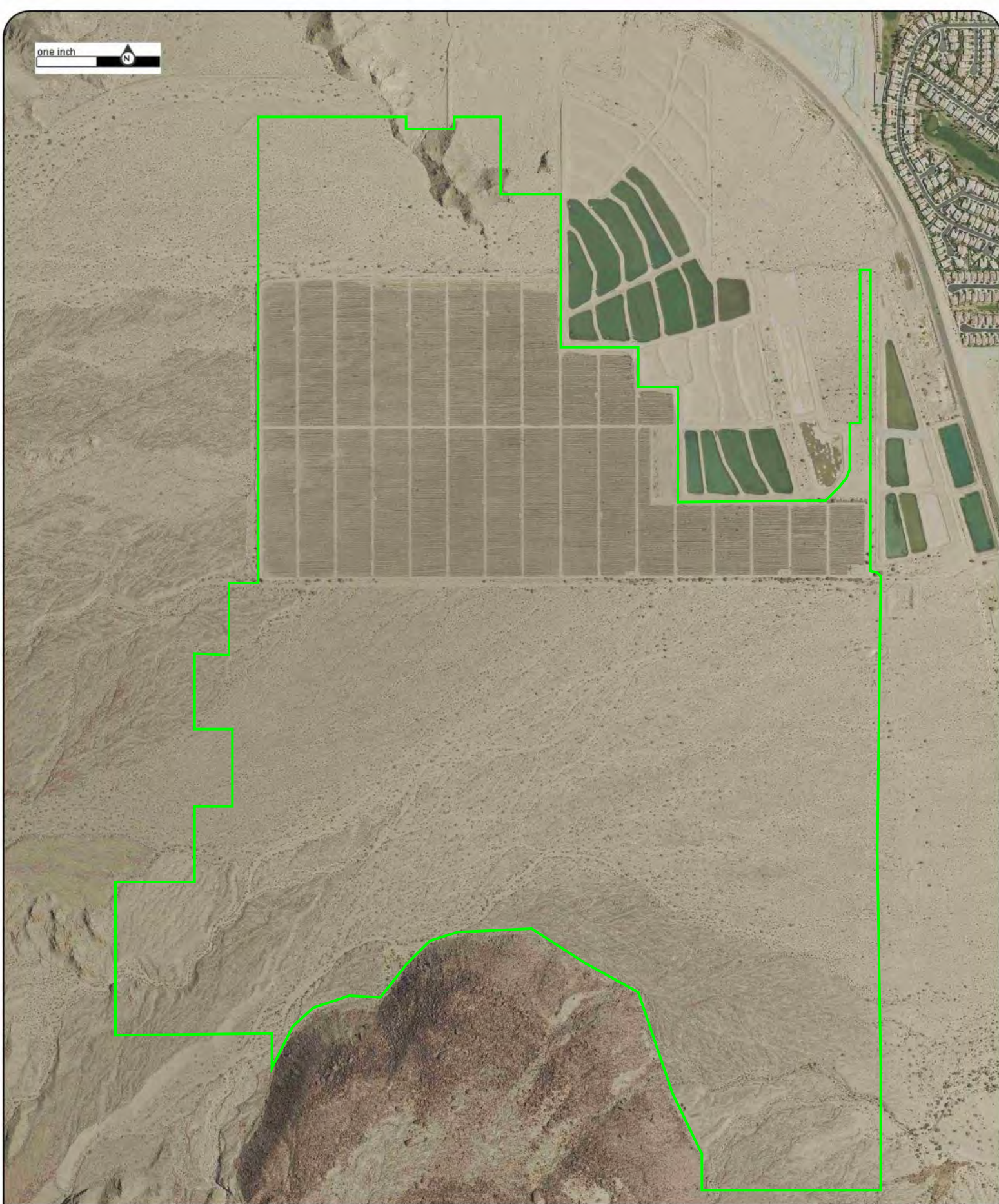
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Source: USDA  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230



one inch



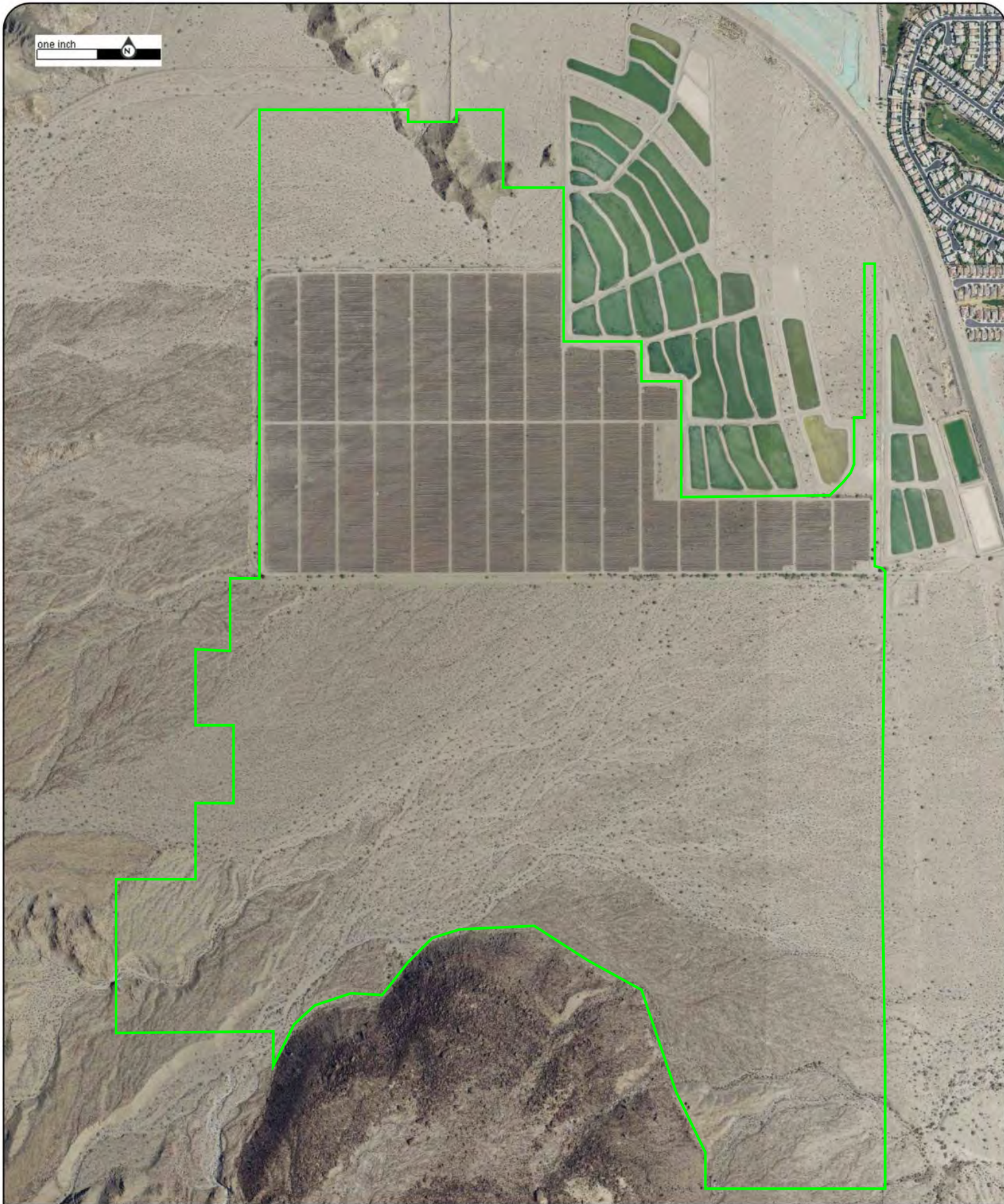
Year: 2014  
Source: USDA  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230



one inch



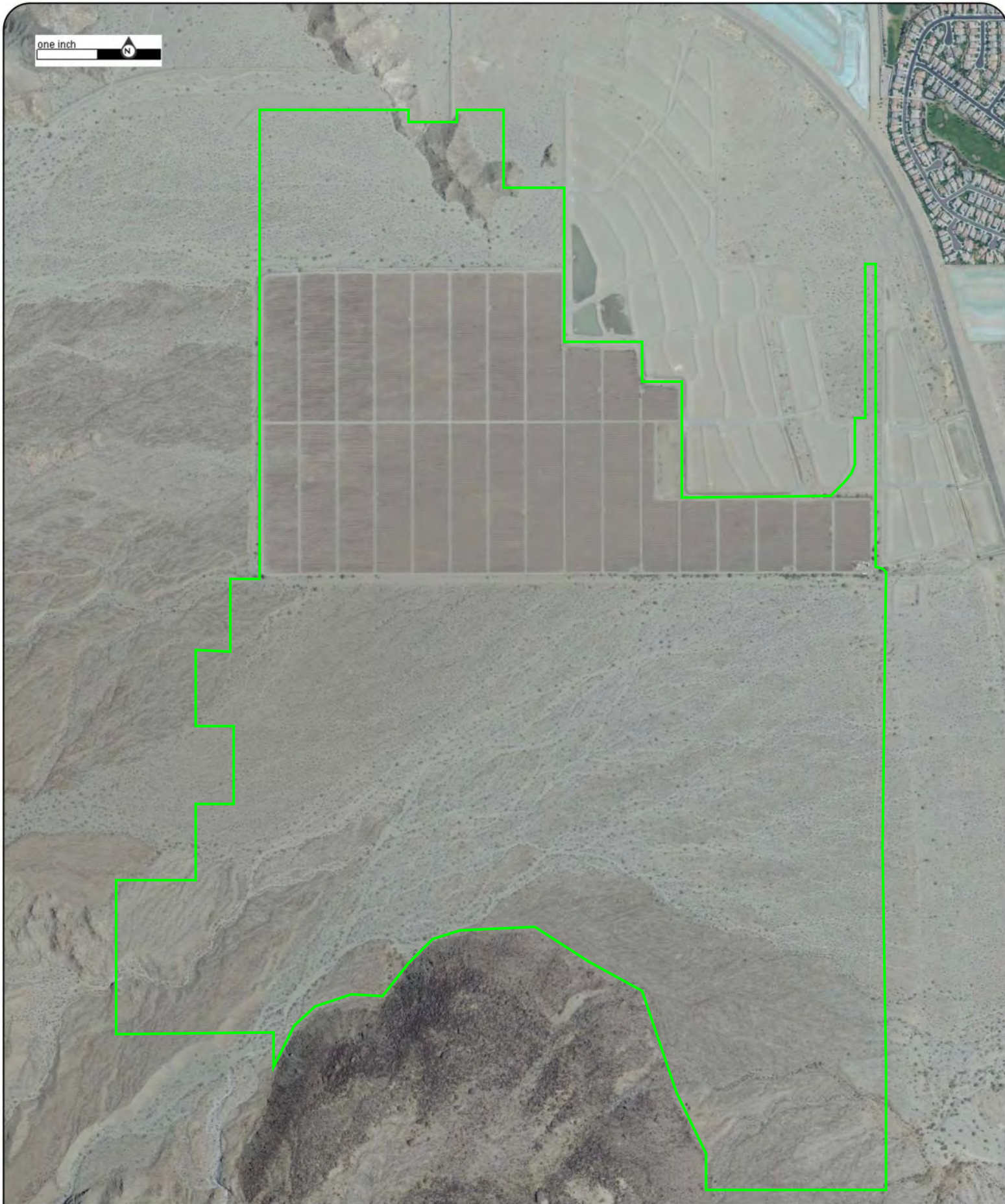
Year: 2012  
Source: USDA  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230



one inch



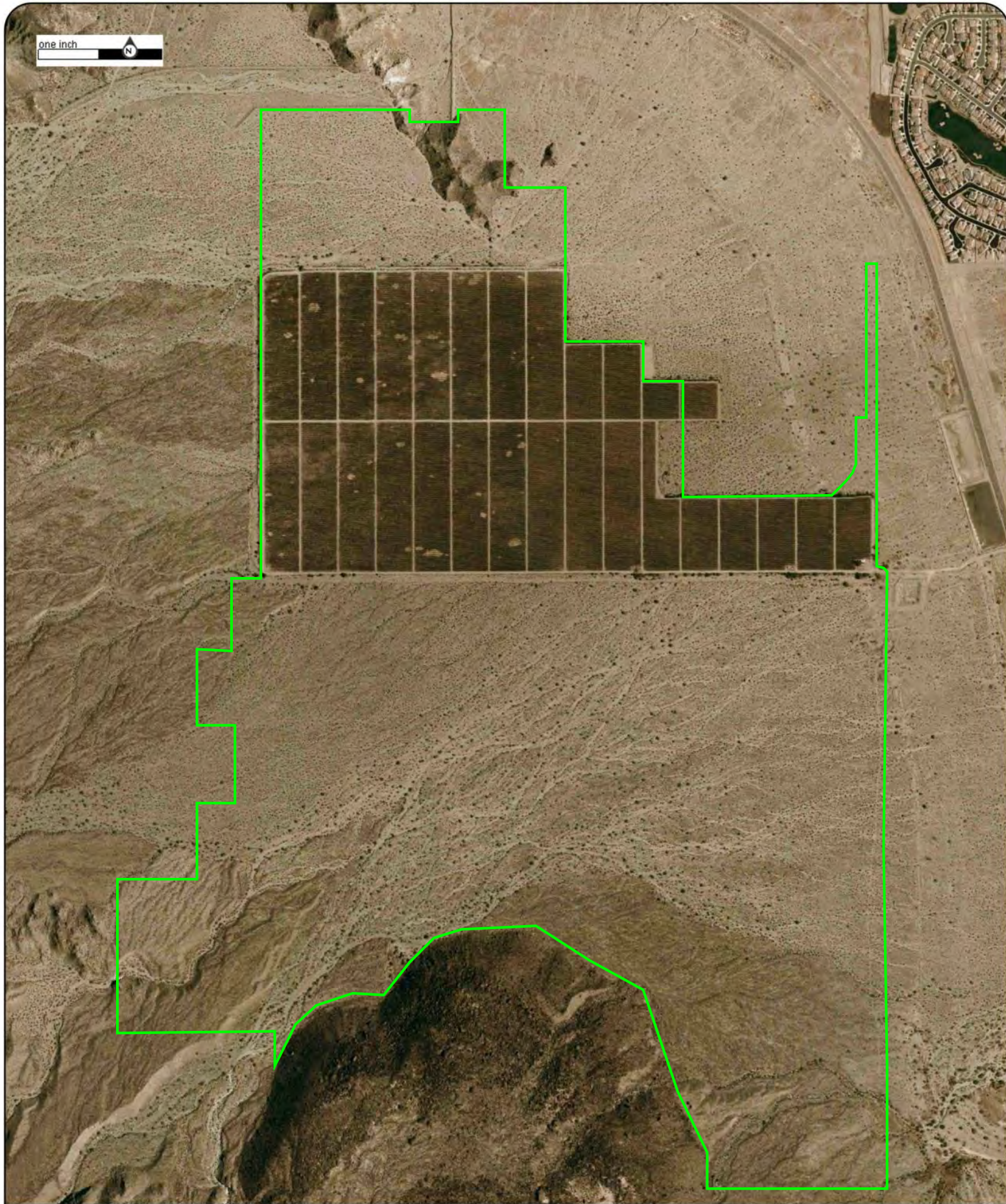
Year: 2009  
Source: USDA  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230



one inch



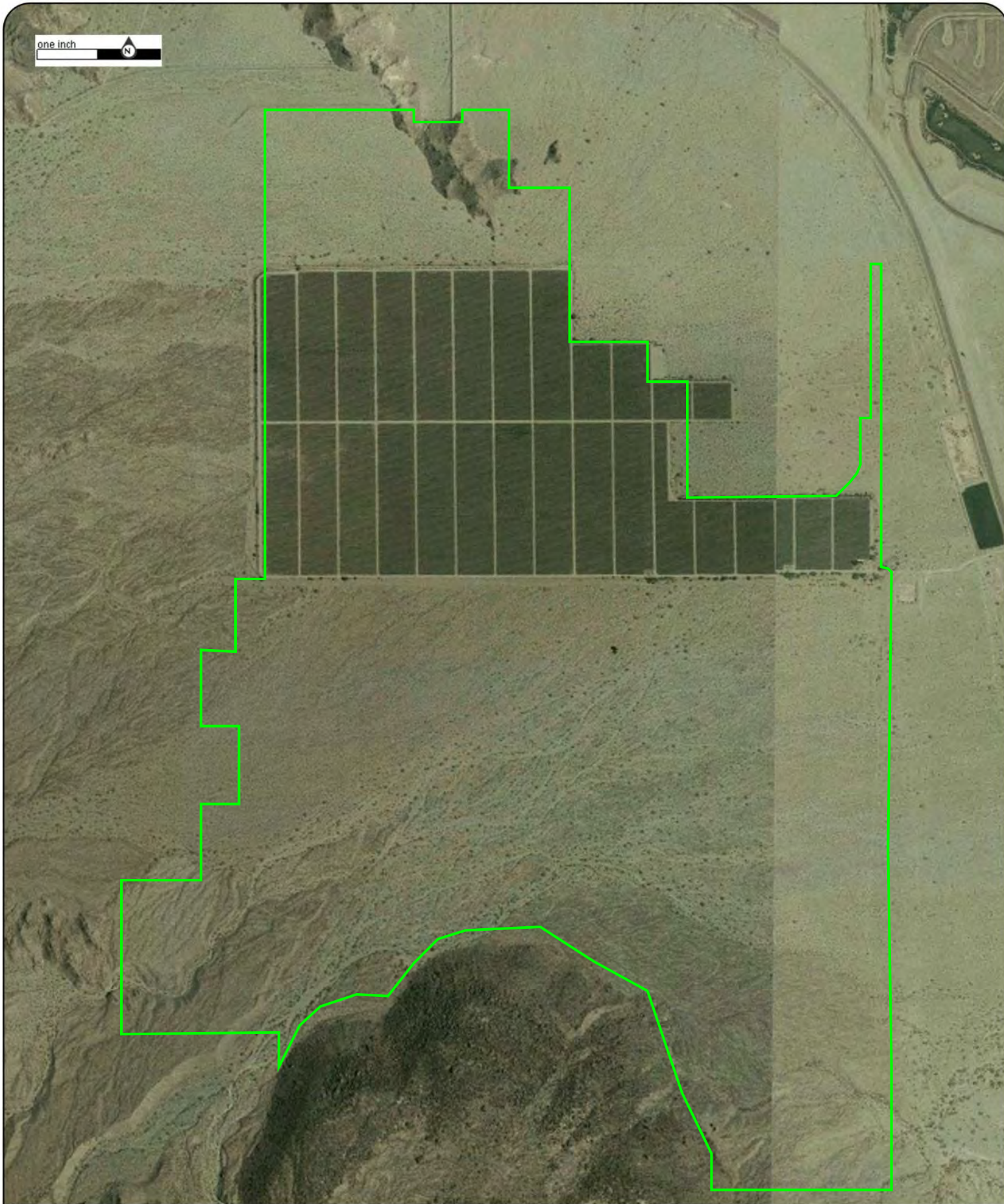
Year: 2006  
Source: USDA  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230



one inch

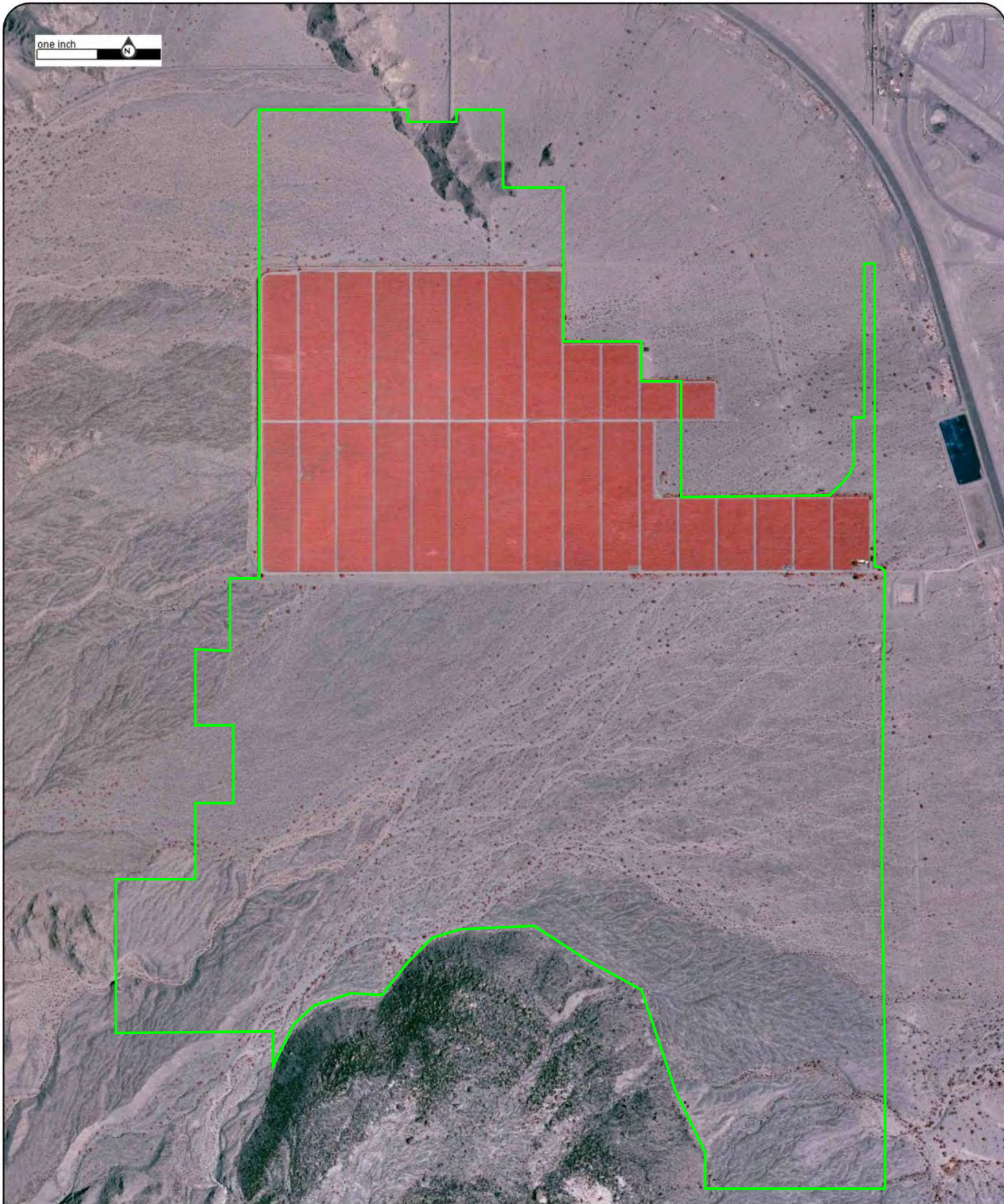


Year: 2004  
Source: USDA  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230





one inch



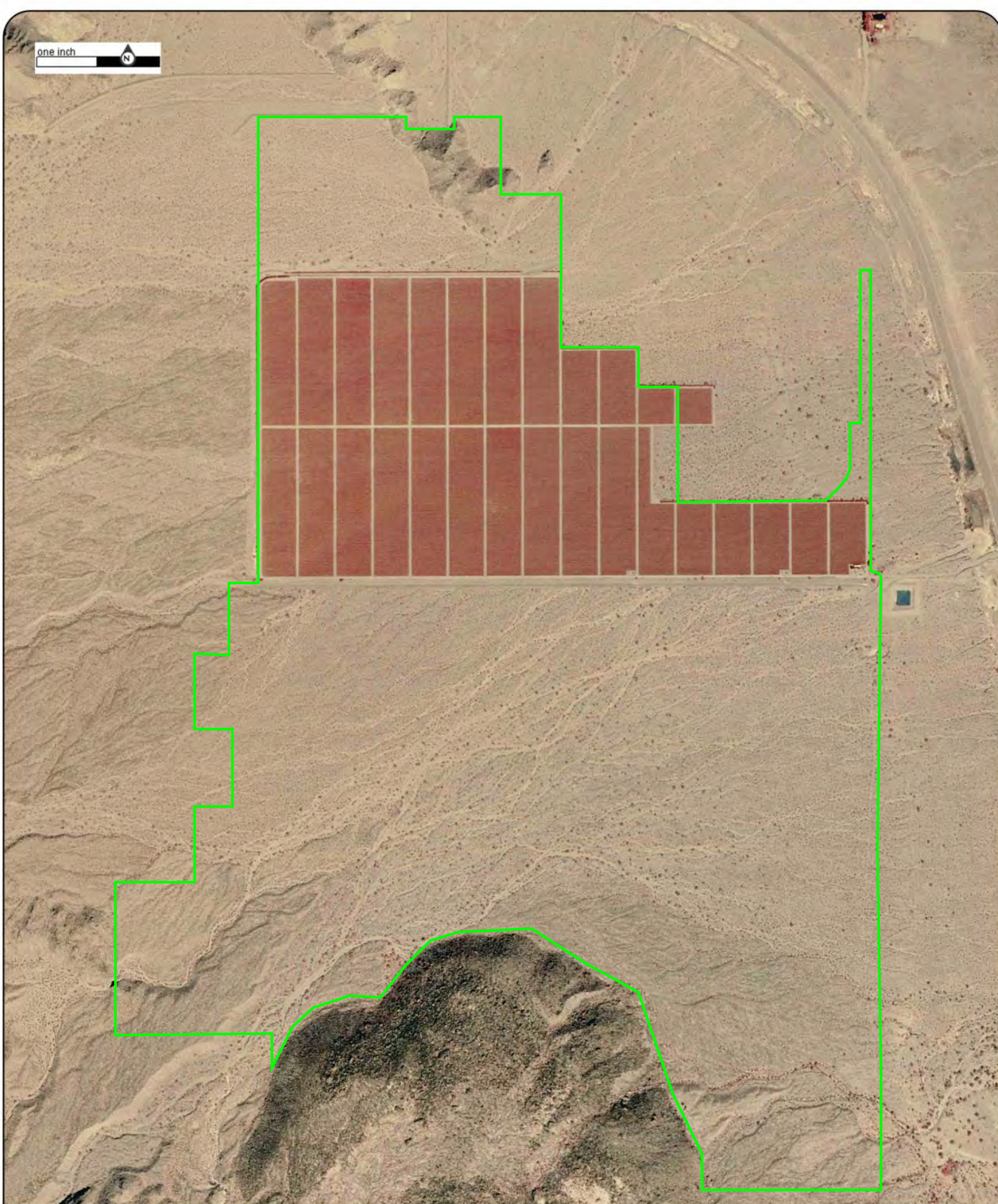
Year: 2002  
Source: USGS  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230



one inch

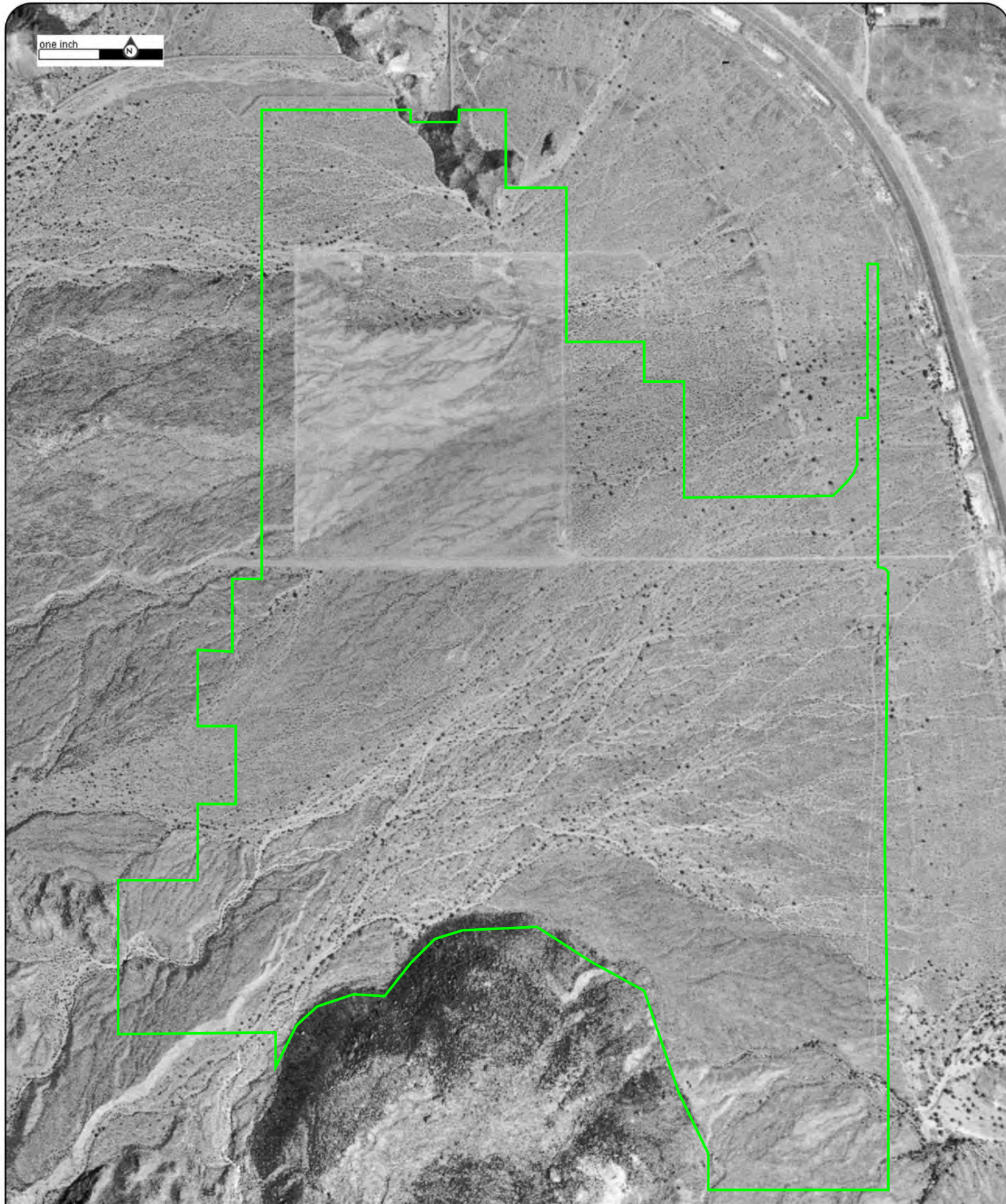


Year: 1996  
Source: USGS  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230



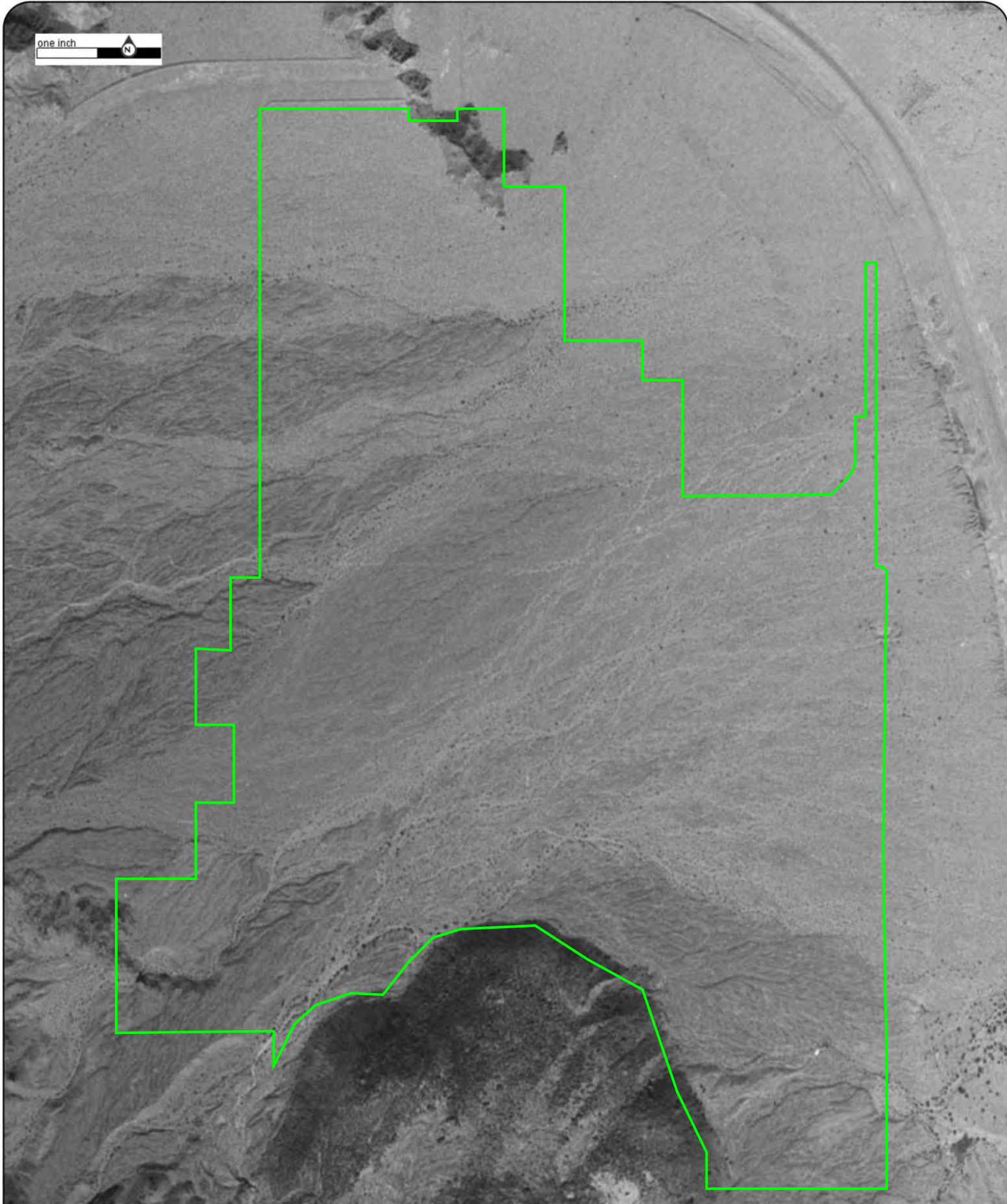


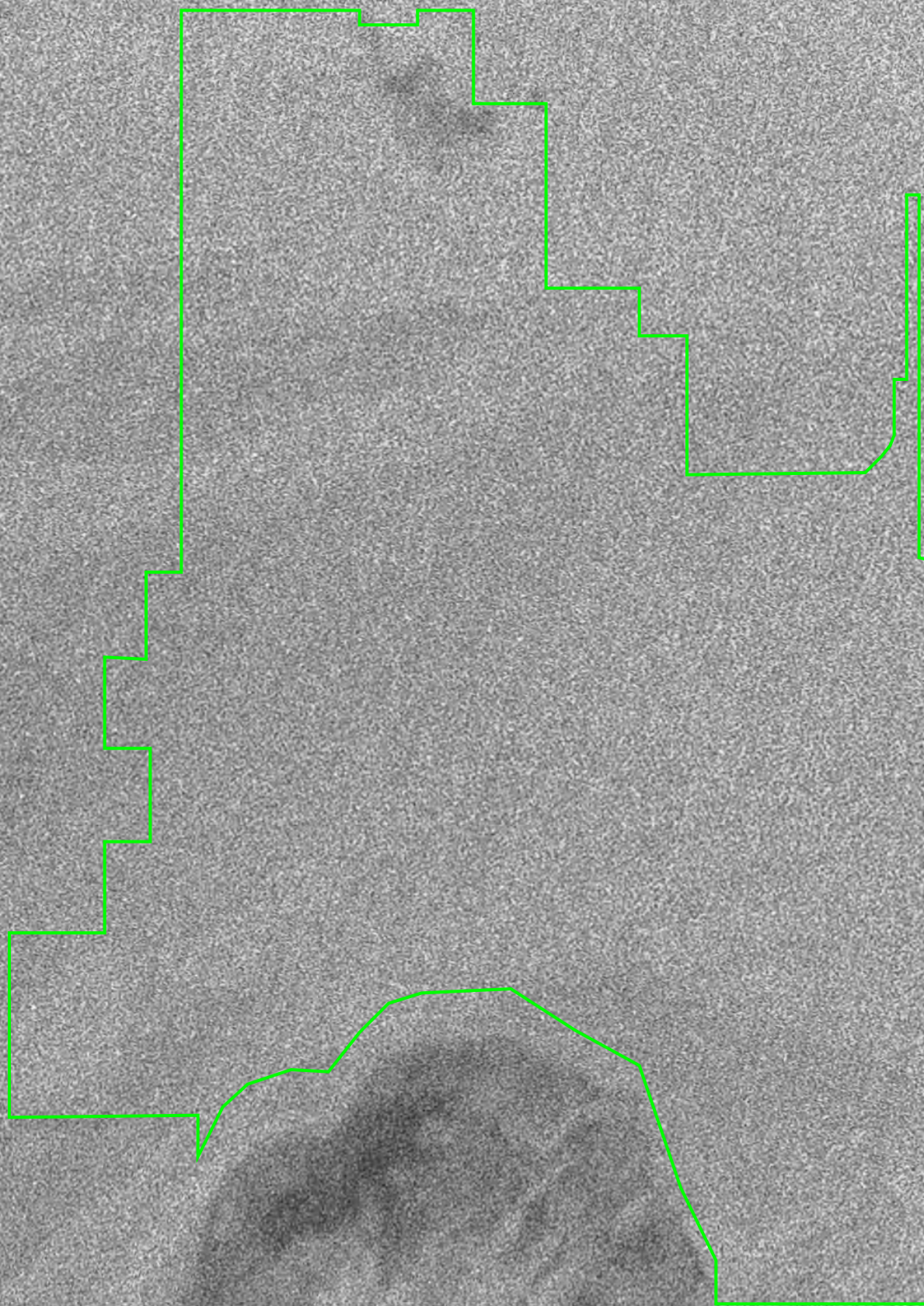
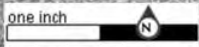
Year: 1984  
Source: USGS  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230





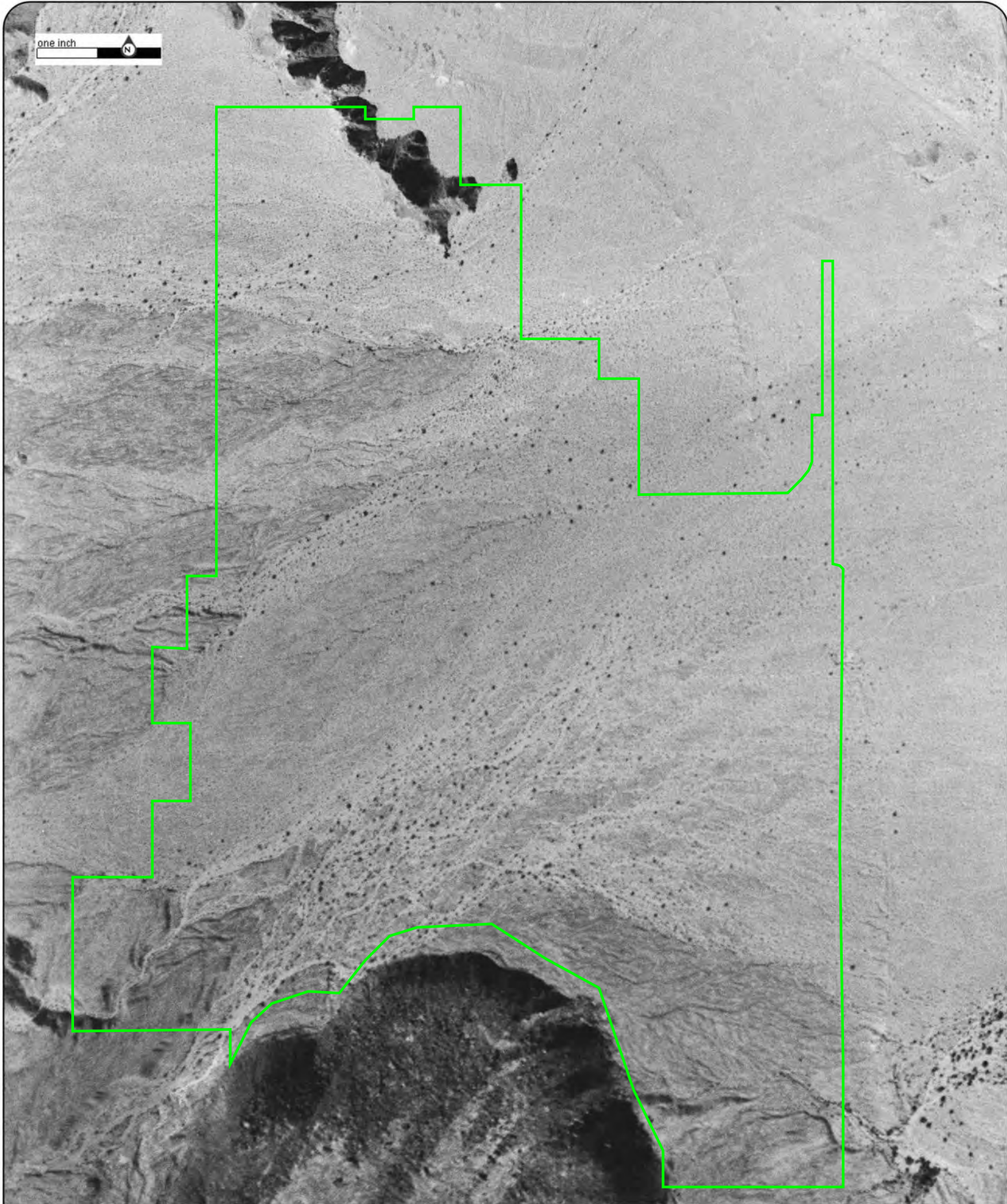


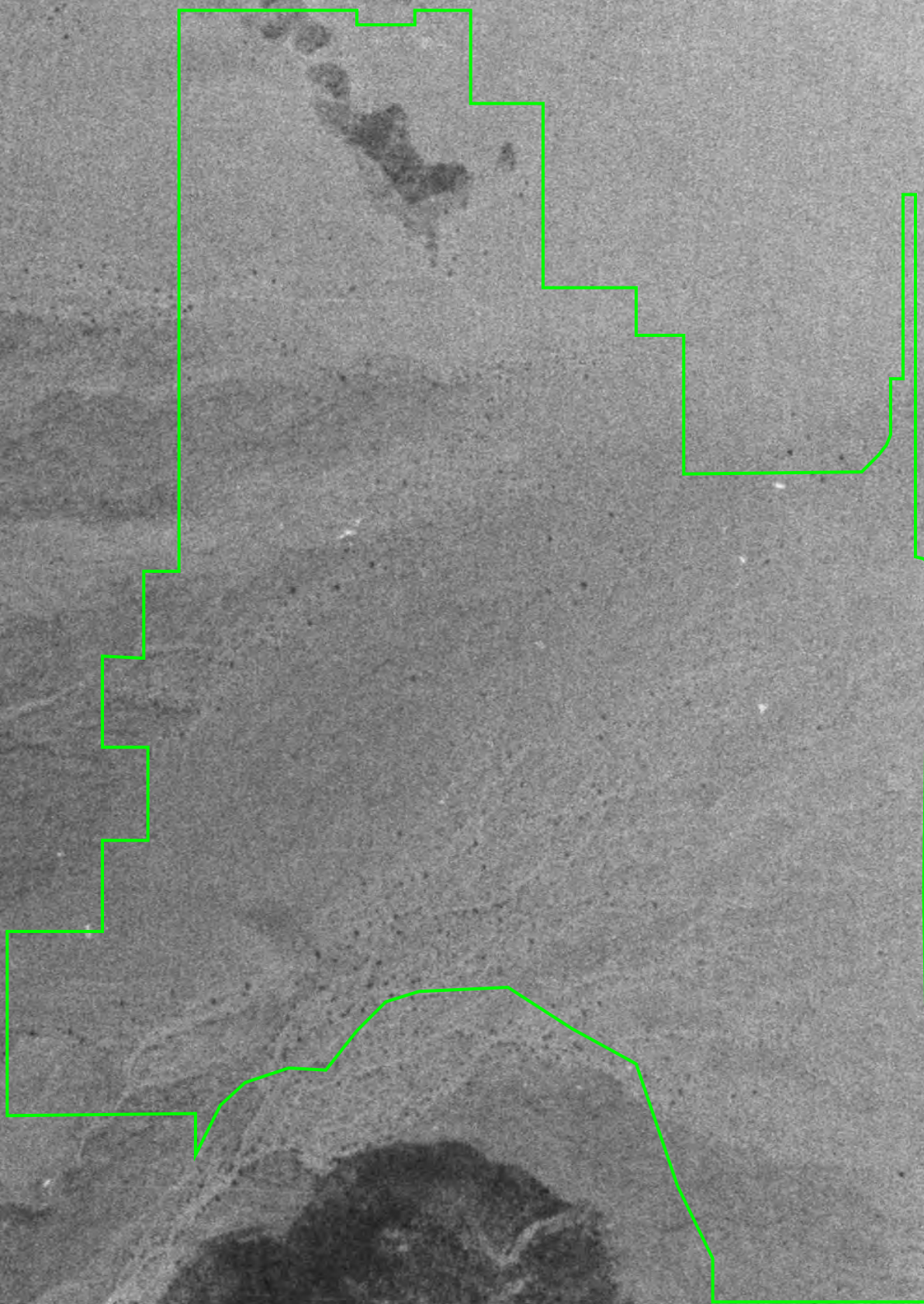
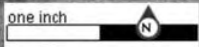
Year: 1968  
Source: USAF  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230







Year: 1947  
Source: USAF  
Scale: 1" = 1000'  
Comment:

Address: Vacant Land, La Quinta, CA  
Approx Center: -116.26036282,33.59590358

Order No: 22122300230



# **APPENDIX D**

## **EXHIBIT D-4**

### **Fire Insurance Maps Compilation**



**(888) 930-6604**

[www.geoforward.com](http://www.geoforward.com)



# FIRE INSURANCE MAPS

<b>Project Property:</b>	Vacant Land Vacant Land La Quinta CA
<b>Project No:</b>	1951-2022[1]
<b>Requested By:</b>	GEO FORWARD
<b>Order No:</b>	22122300230
<b>Date Completed:</b>	December 24, 2022

---

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

# **APPENDIX E**

## **EXHIBIT E-1**

### **ERIS Physical Settings Report**



**(888) 930-6604**

[www.geoforward.com](http://www.geoforward.com)



## Property Information

Order Number:	22122300230p
Date Completed:	December 24, 2022
Project Number:	1951-2022[1]
Project Property:	Vacant Land Vacant Land La Quinta CA
Coordinates:	
Latitude:	33.59590358
Longitude:	-116.26036282
UTM Northing:	3717597.14649 Meters
UTM Easting:	568626.367798 Meters
UTM Zone:	UTM Zone 11S
Elevation:	165.67 ft
Slope Direction:	NE

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Hydrologic Information.....	12
Geologic Information.....	23
Soil Information.....	30
Wells and Additional Sources.....	44
Summary.....	49
Detail Report.....	51
Radon Information.....	70
Appendix.....	71
Liability Notice.....	73

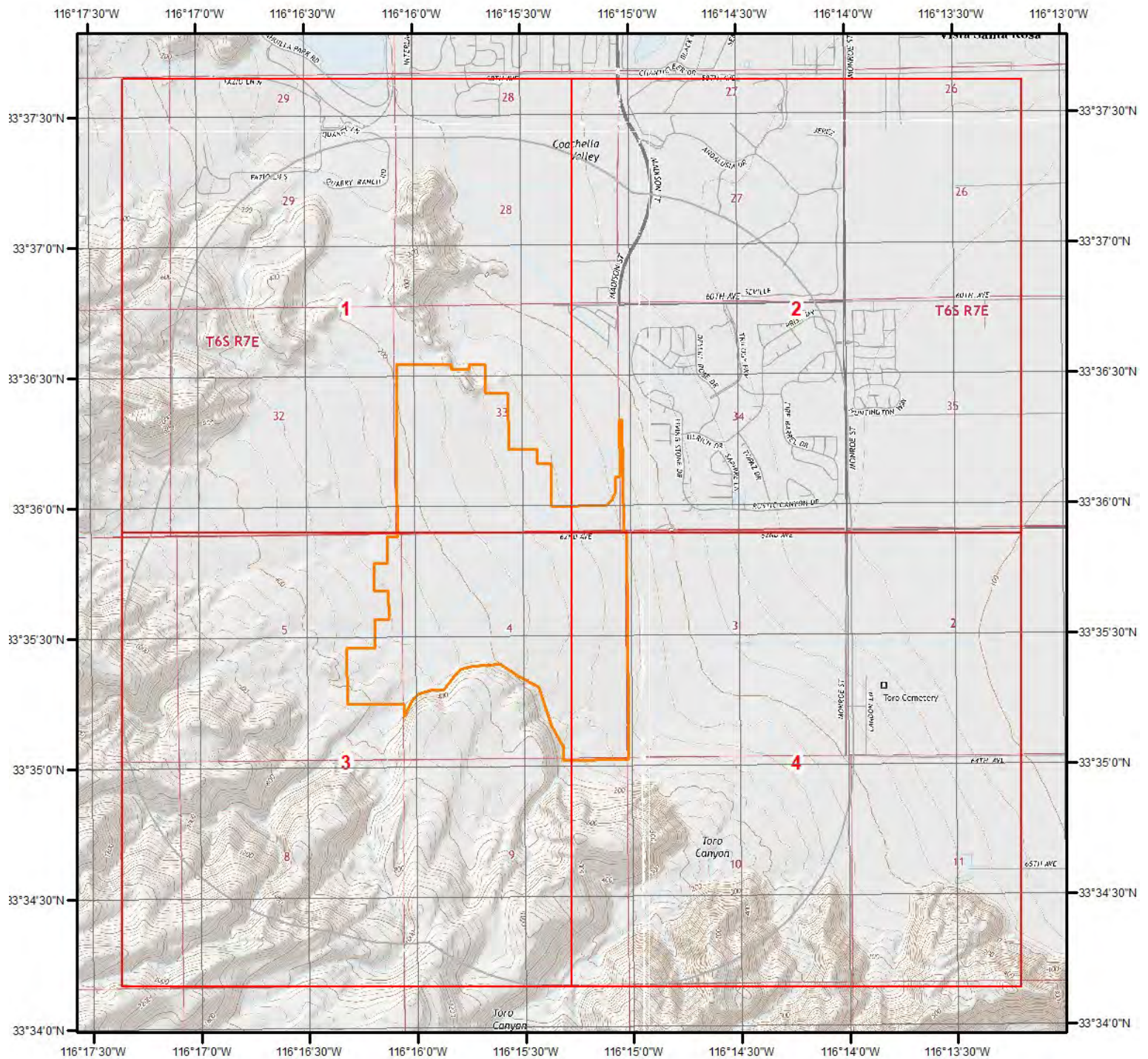
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas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

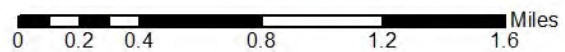
### Disclaimer

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 (2015)**

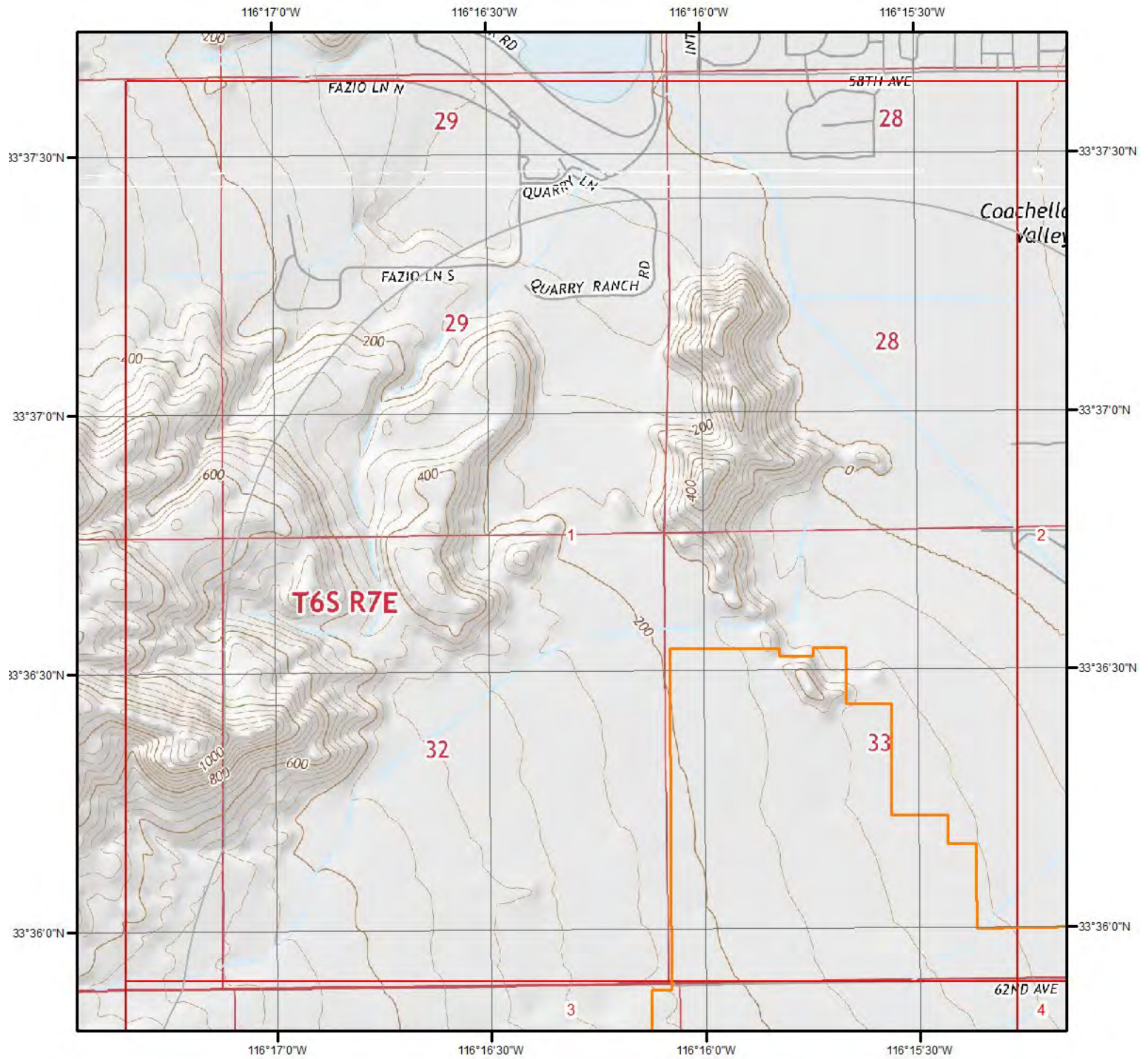


**Quadrangle(s): Indio,CA; La Quinta,CA; Martinez Mountain,CA; Valerie.CA**

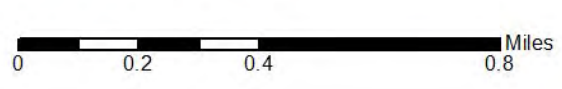
Source: USGS 7.5 Minute Topographic Map



# Topographic Information



## Current USGS Topo - Page 1

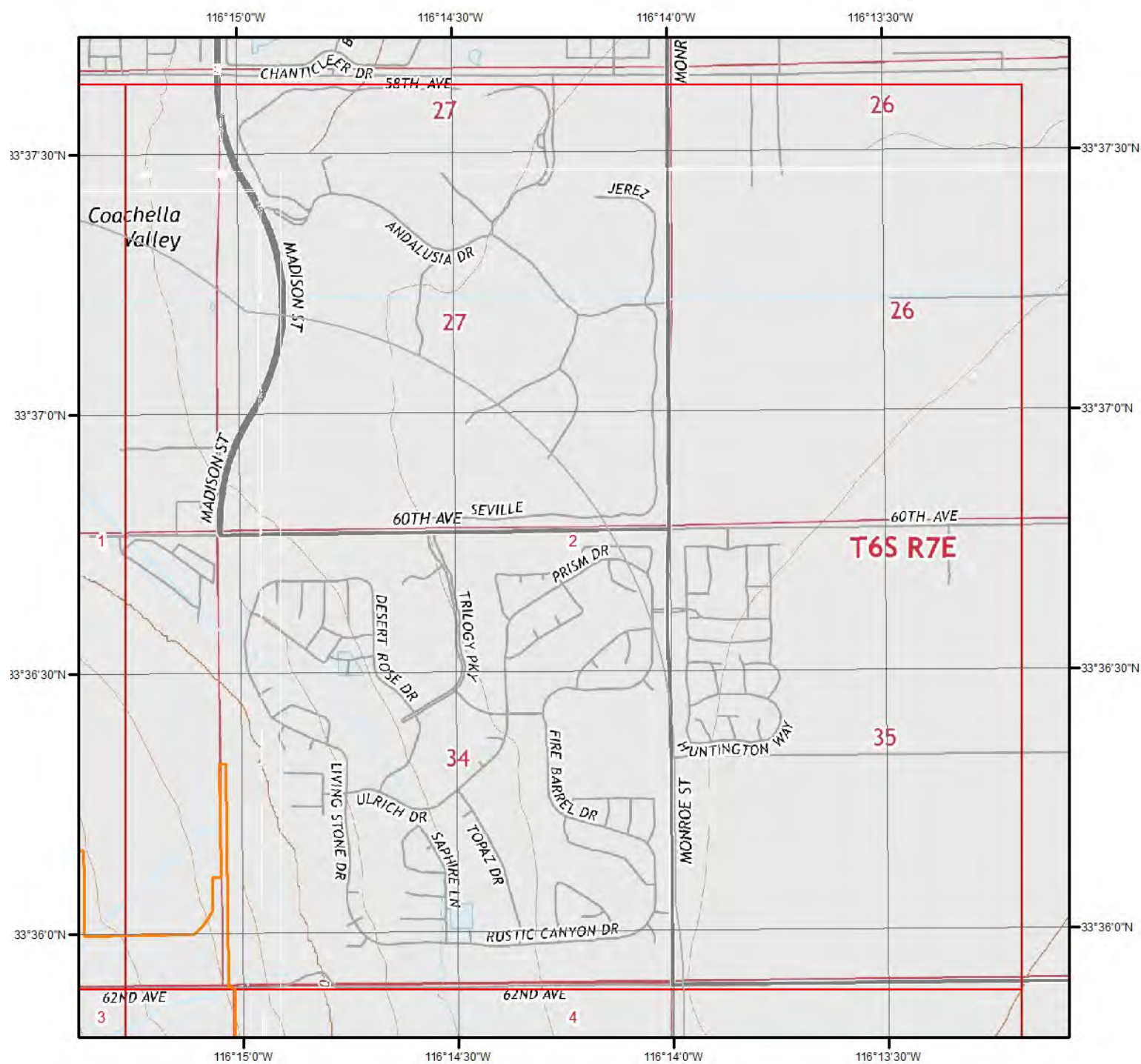


Quadrangle(s): La Quinta, CA; Martinez Mountain, CA

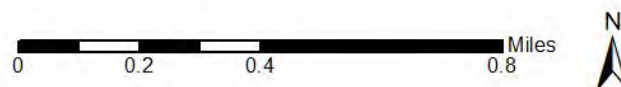
Source: USGS 7.5 Minute Topographic Map



## Topographic Information



## Current USGS Topo - Page 2

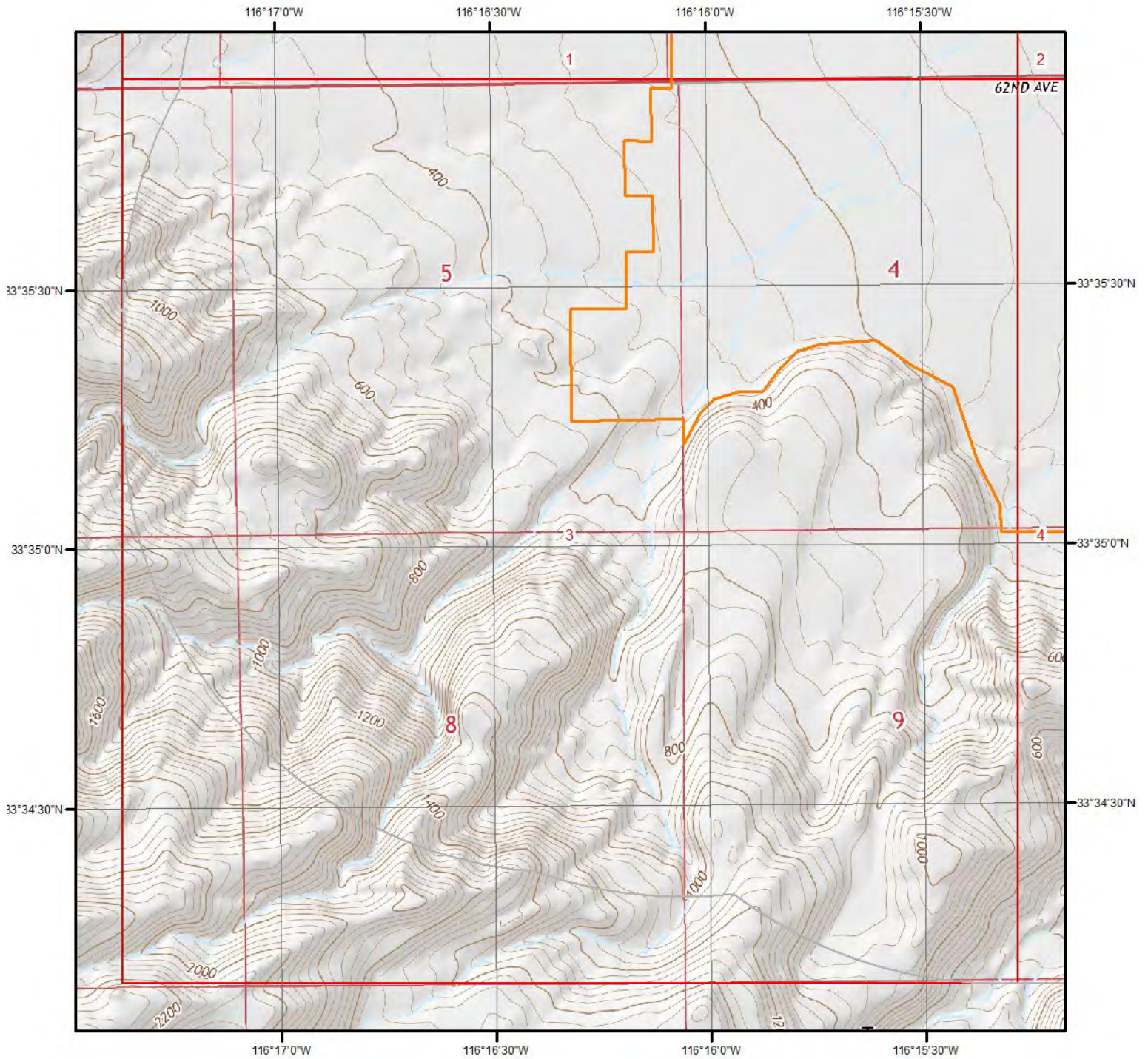


**Quadrangle(s):** Indio, CA; La Quinta, CA; Martinez Mountain, CA; Valerie, CA

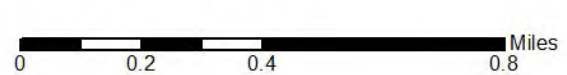
Source: USGS 7.5 Minute Topographic Map



## Topographic Information



**Current USGS Topo - Page 3**

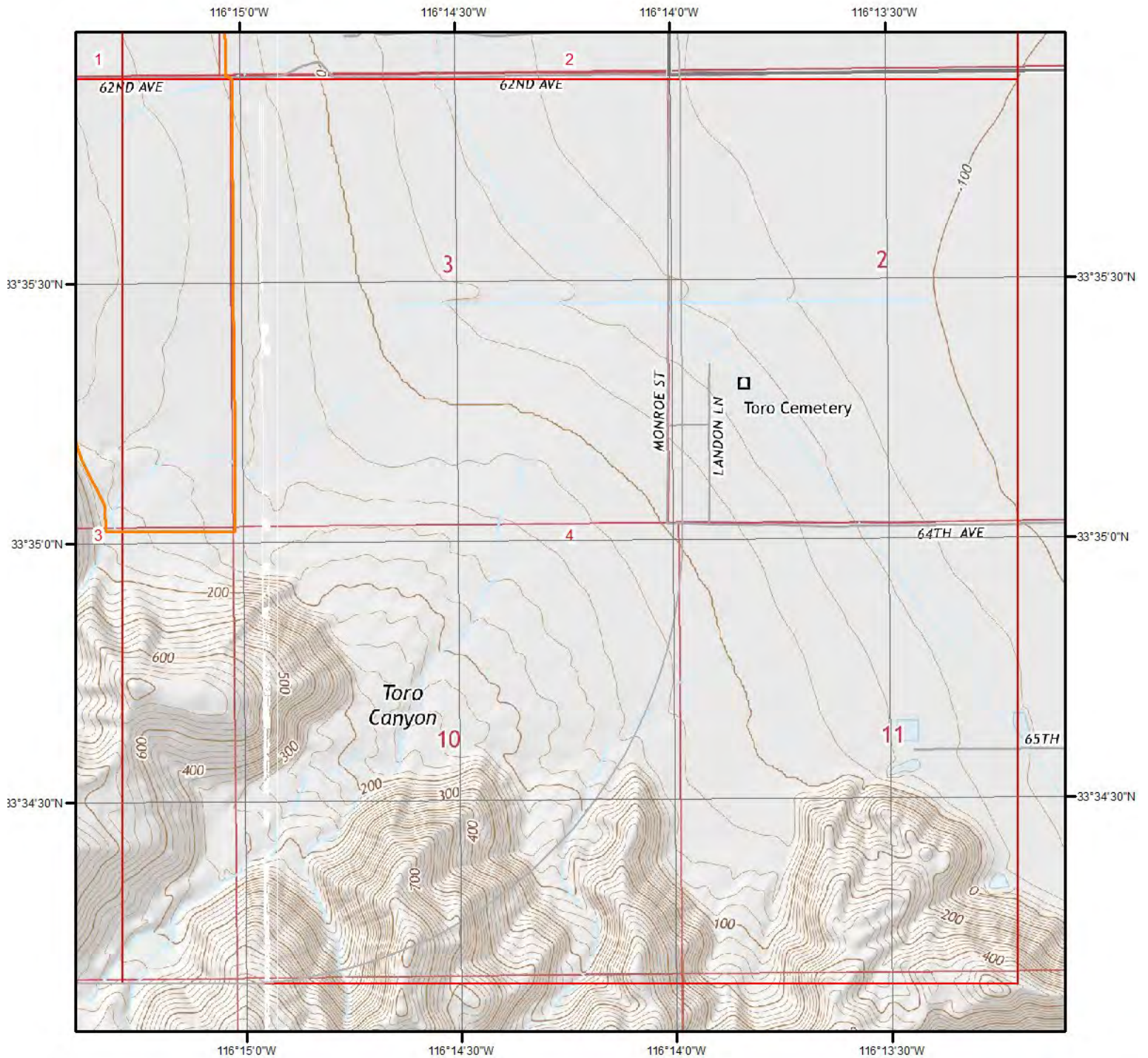


**Quadrangle(s): Martinez Mountain, CA**

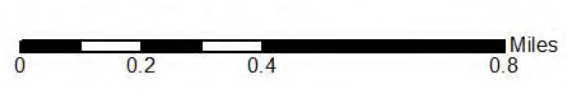
Source: USGS 7.5 Minute Topographic Map



## Topographic Information



**Current USGS Topo - Page 4**



**Quadrangle(s): Martinez Mountain,CA; Valerie,CA**

Source: USGS 7.5 Minute Topographic Map

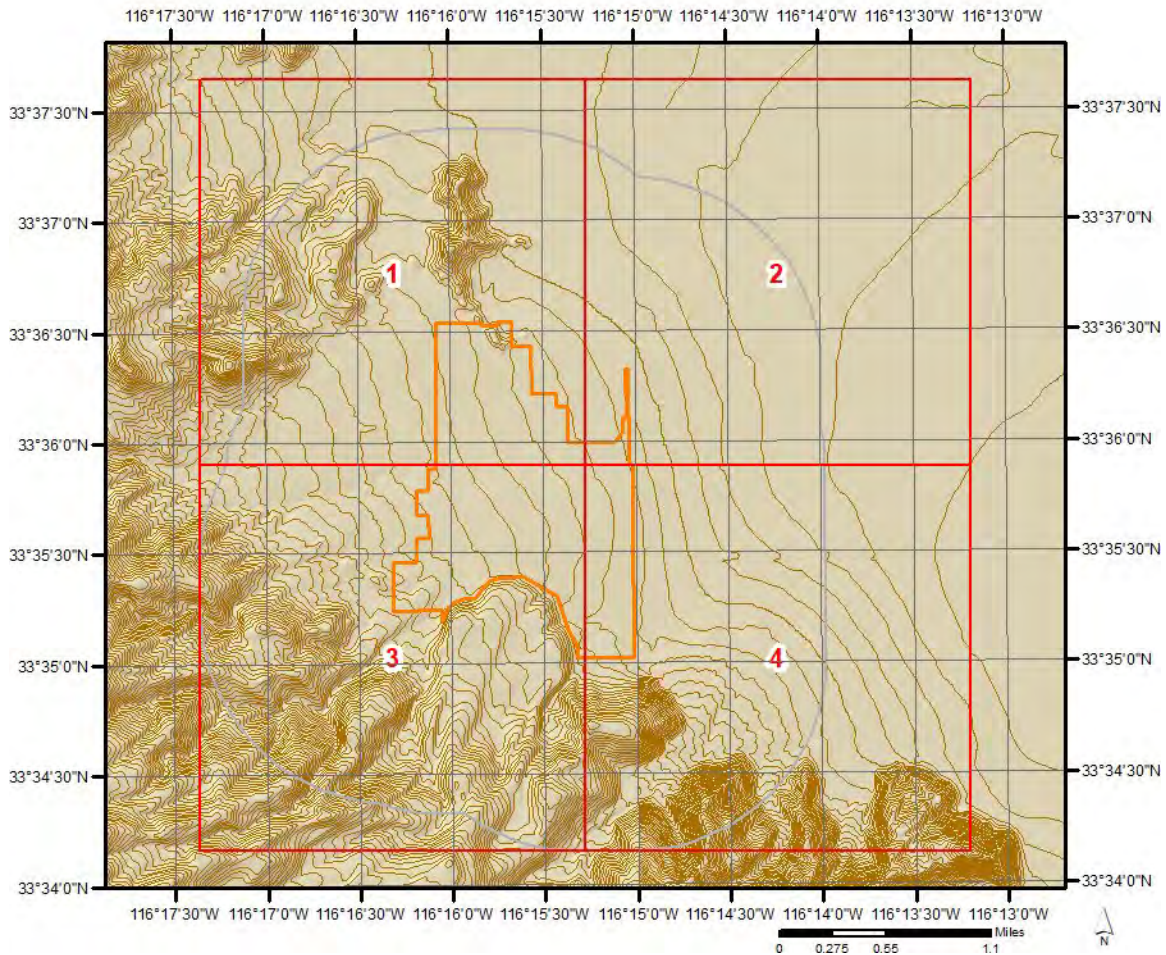


## Topographic Information

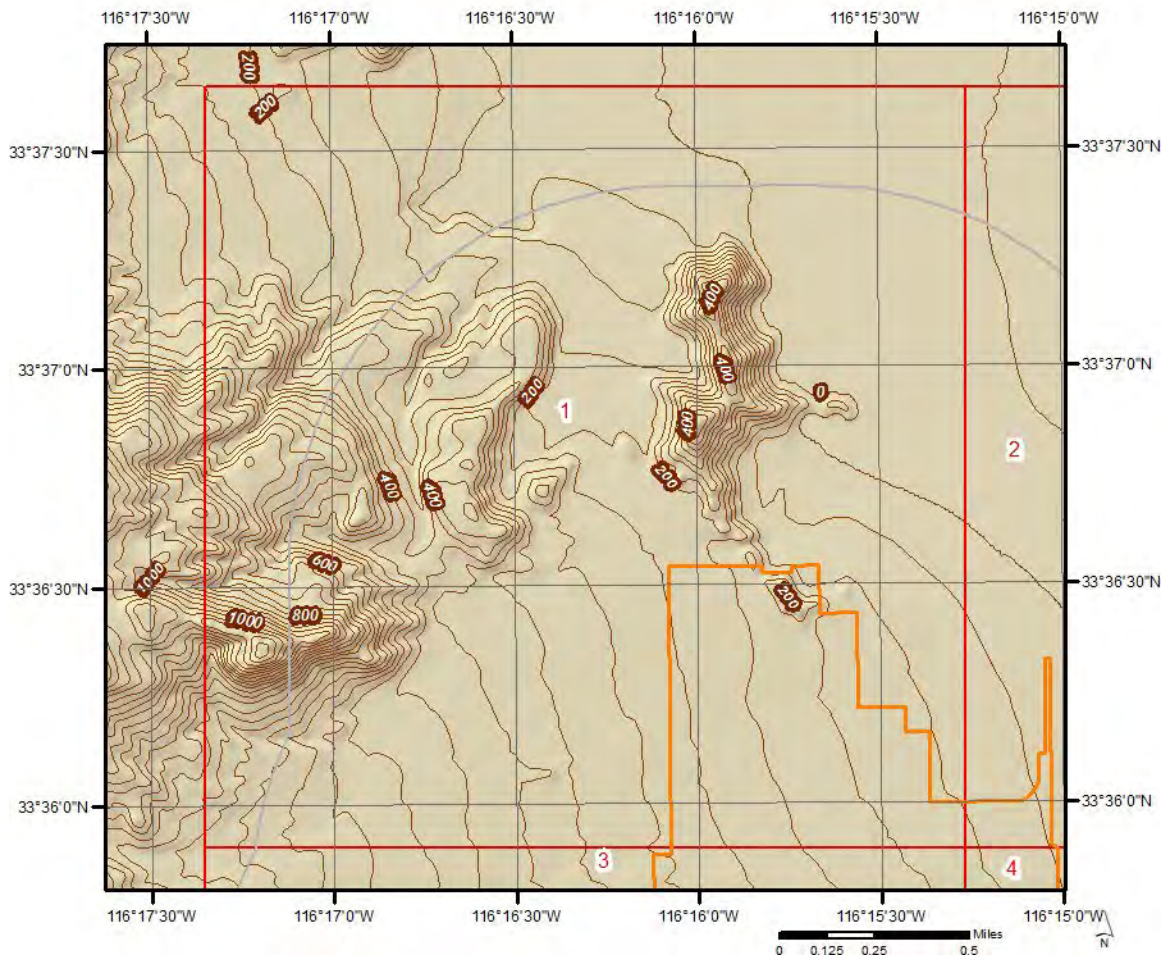
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

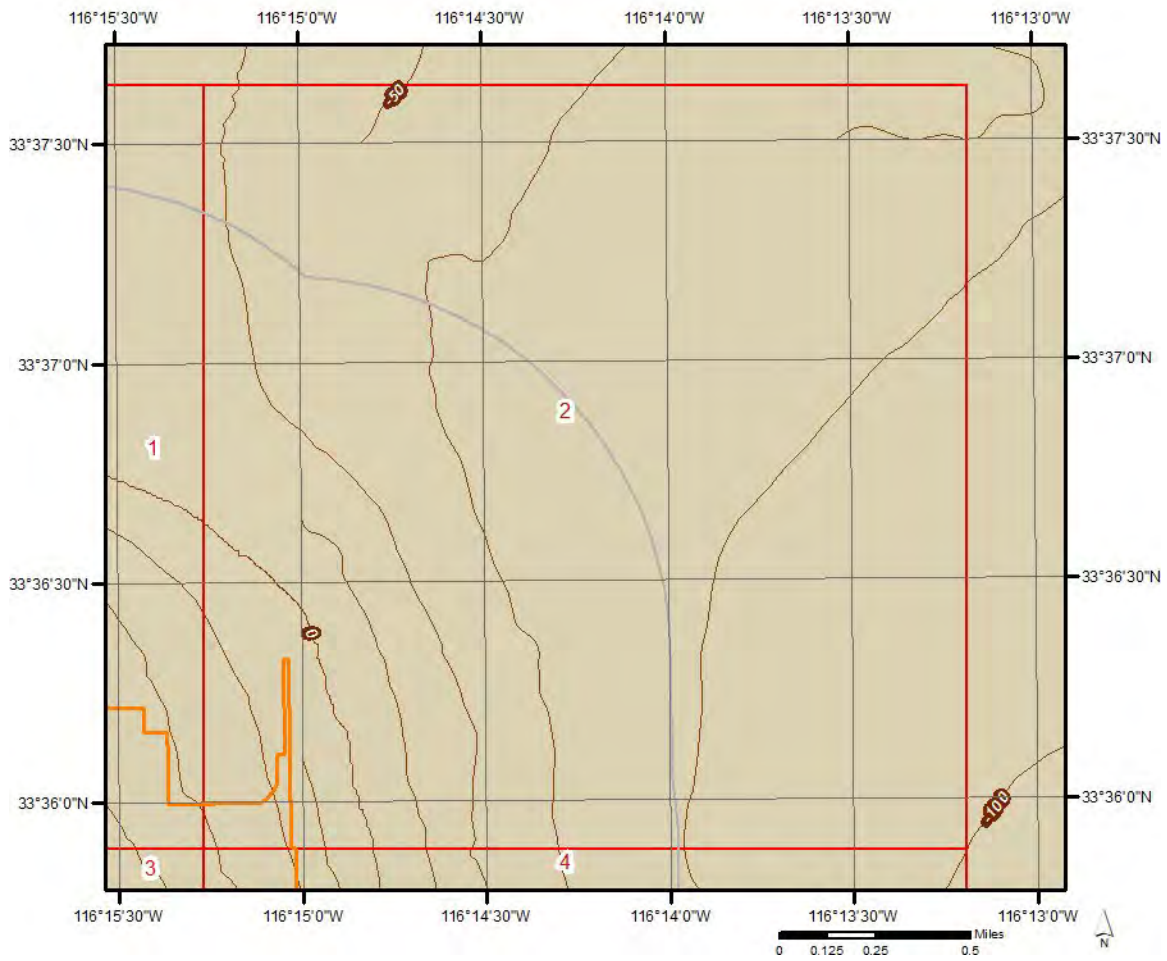
Elevation: 165.67 ft  
Slope Direction: NE



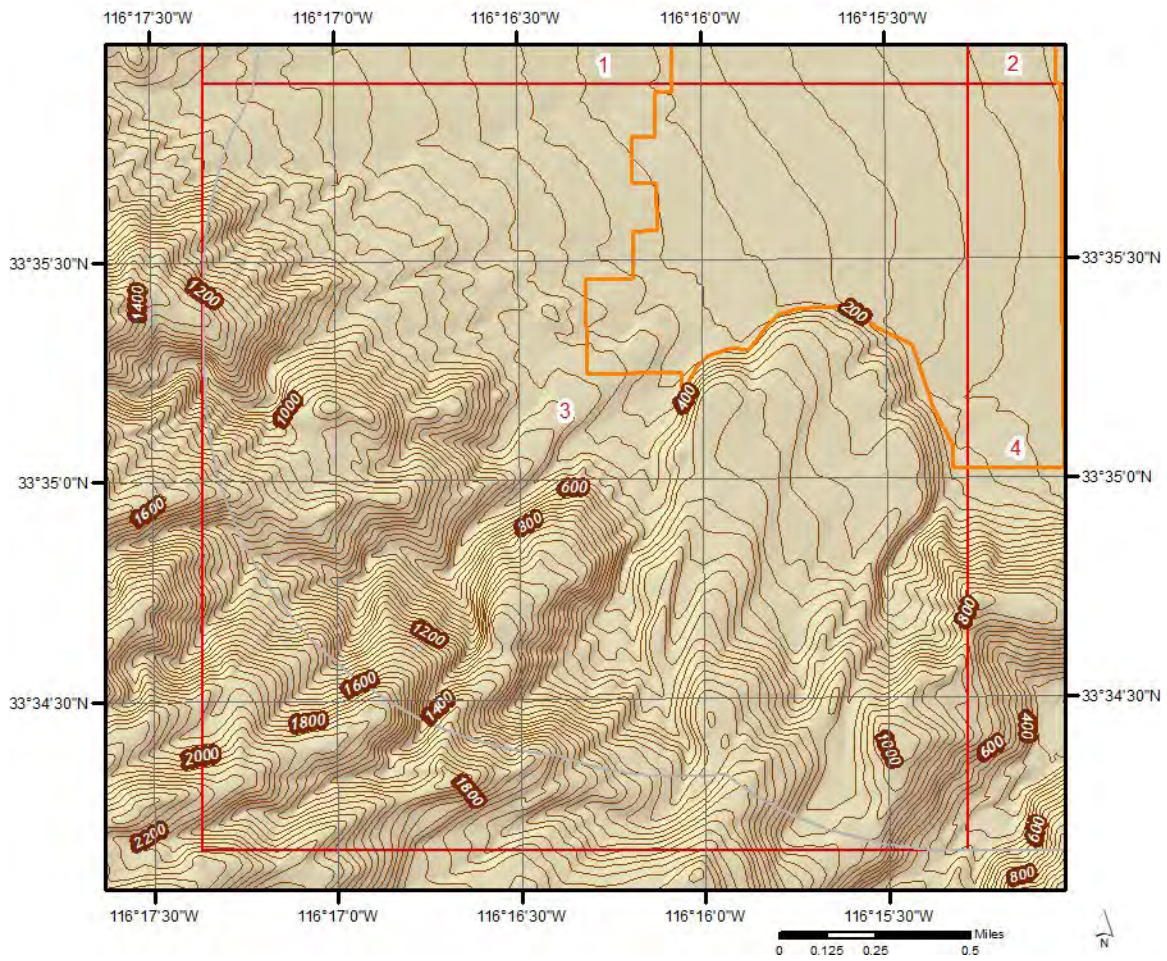
## Topographic Information



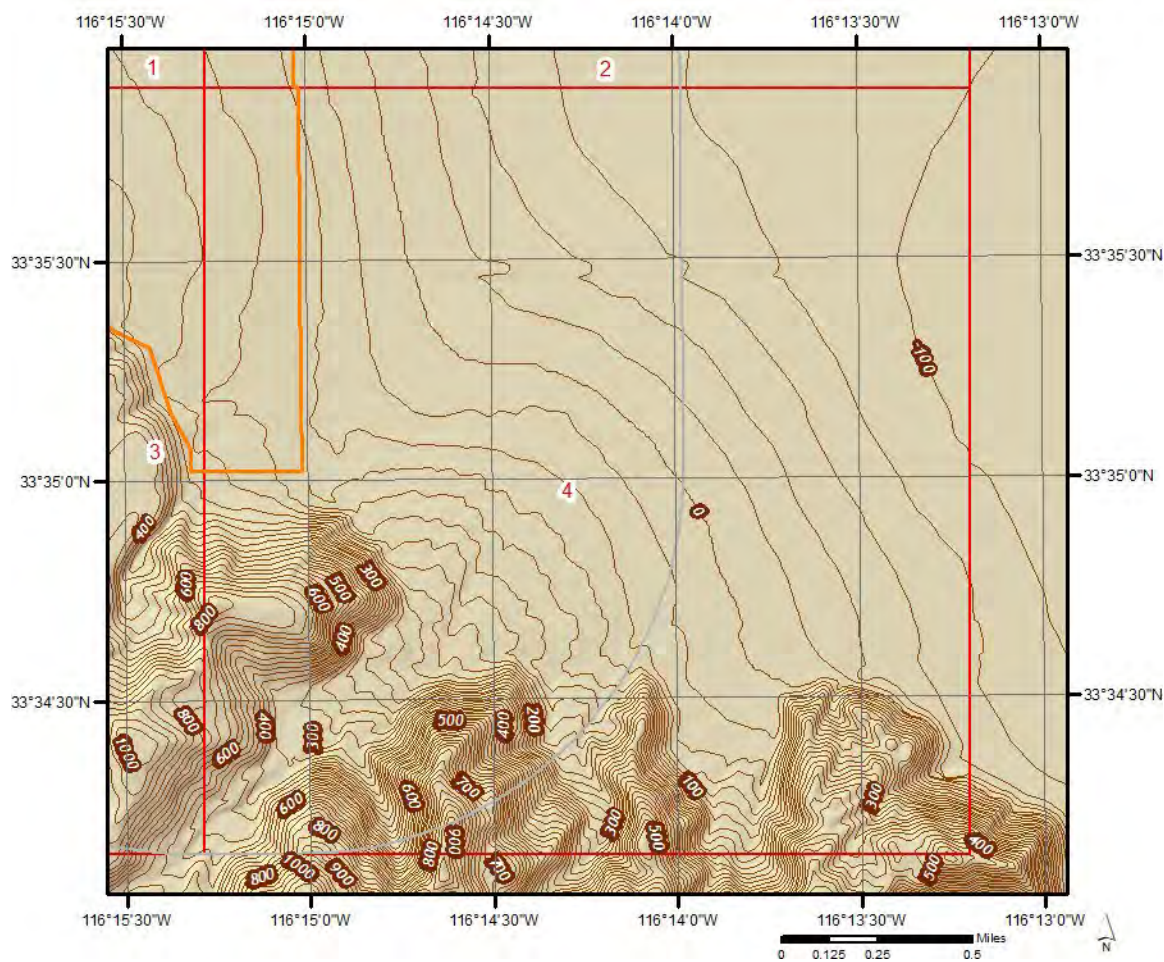
## Topographic Information



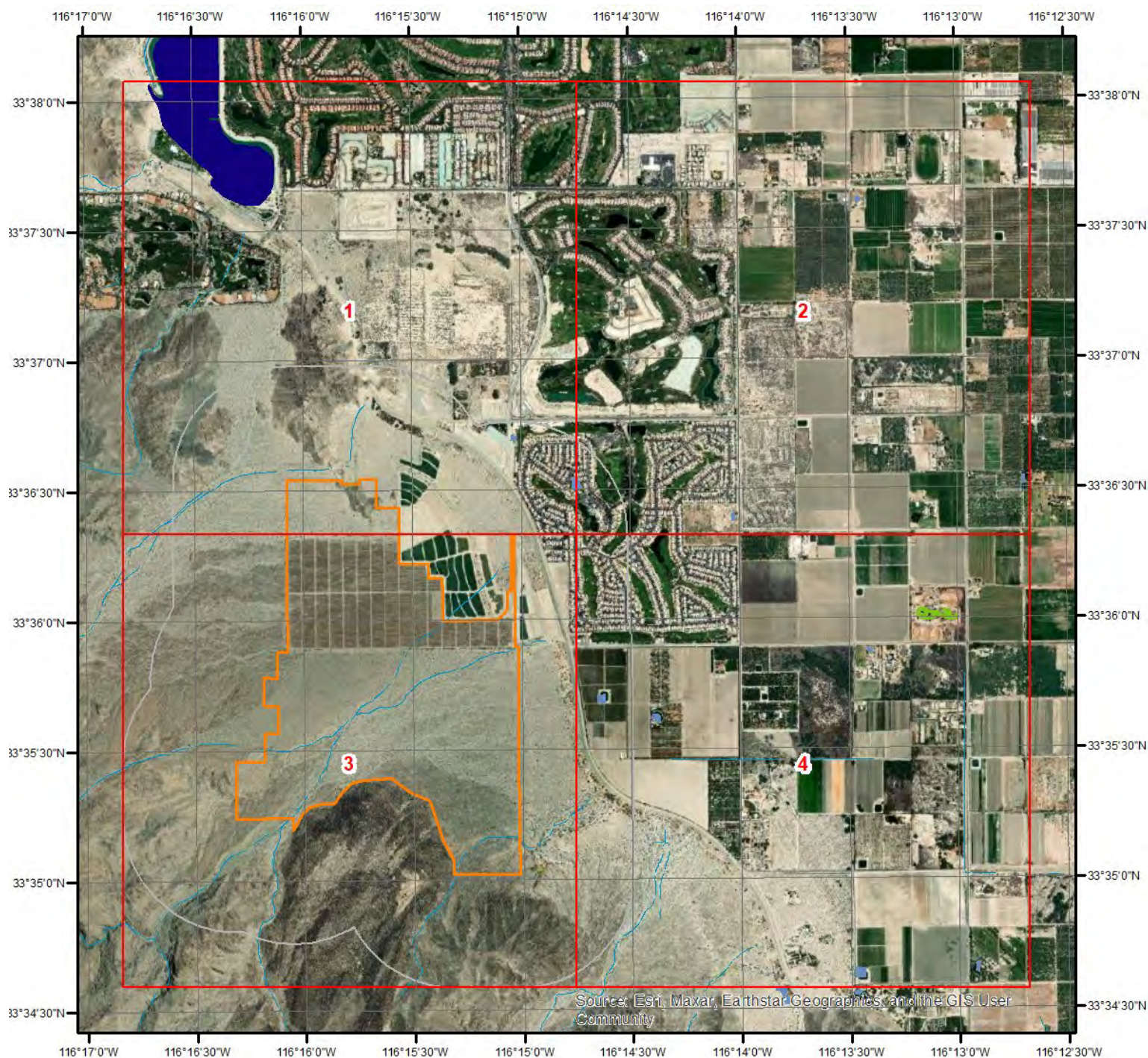
## Topographic Information



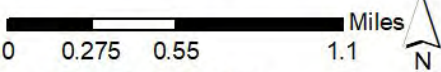
## Topographic Information



# Hydrologic Information



## Wetland



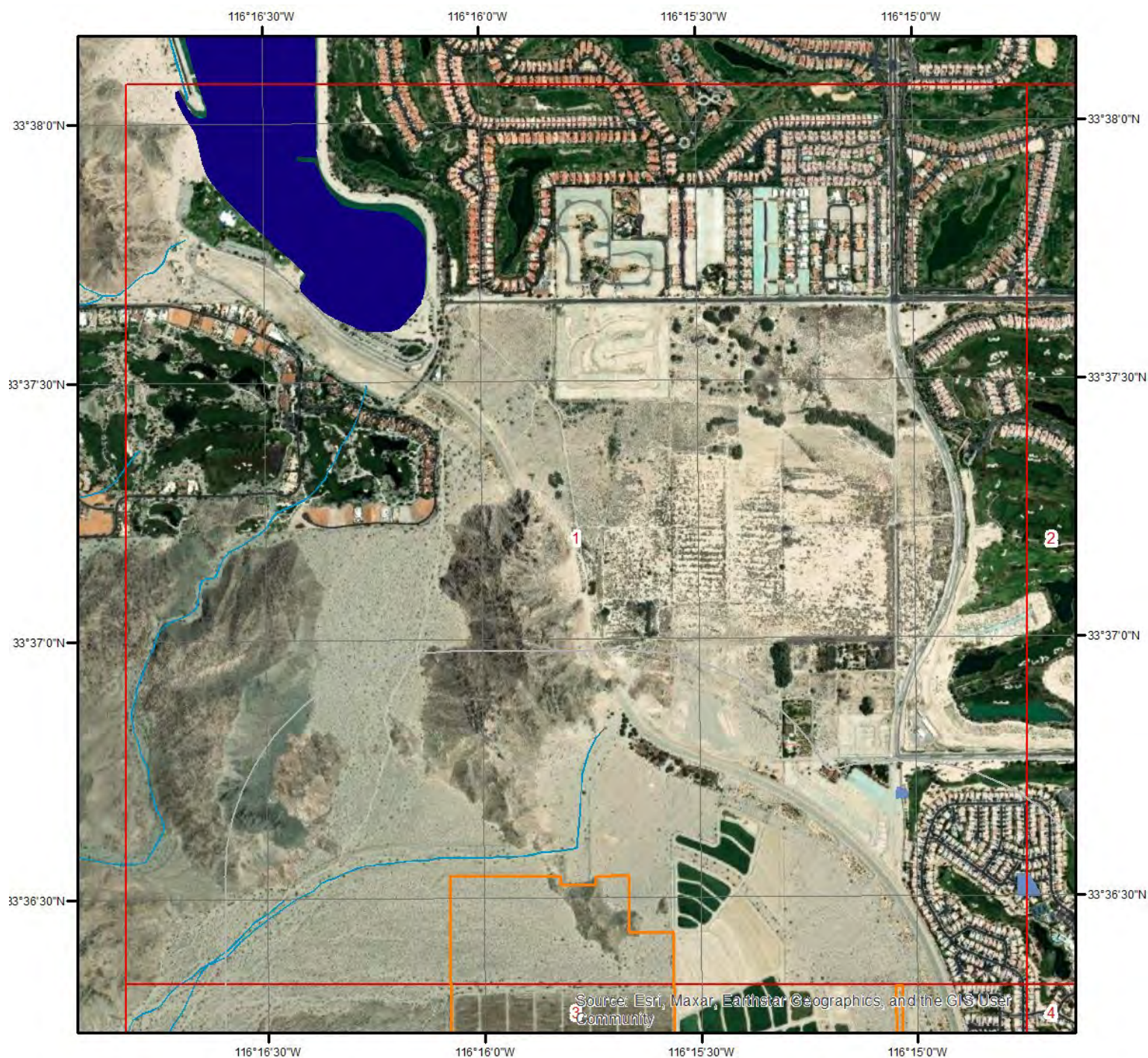
This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

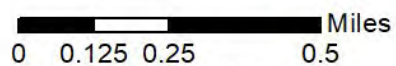
- Freshwater Pond
- Lake
- Other
- Riverine







Hydrologic Information



Wetland Type - Page 1



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 |

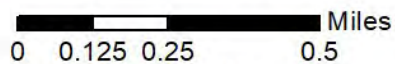
- |   |                 |
|---|-----------------|
|  | Freshwater Pond |
|  | Lake            |
|  | Other           |
|  | Riverine        |



Hydrologic Information



Wetland Type - Page 2



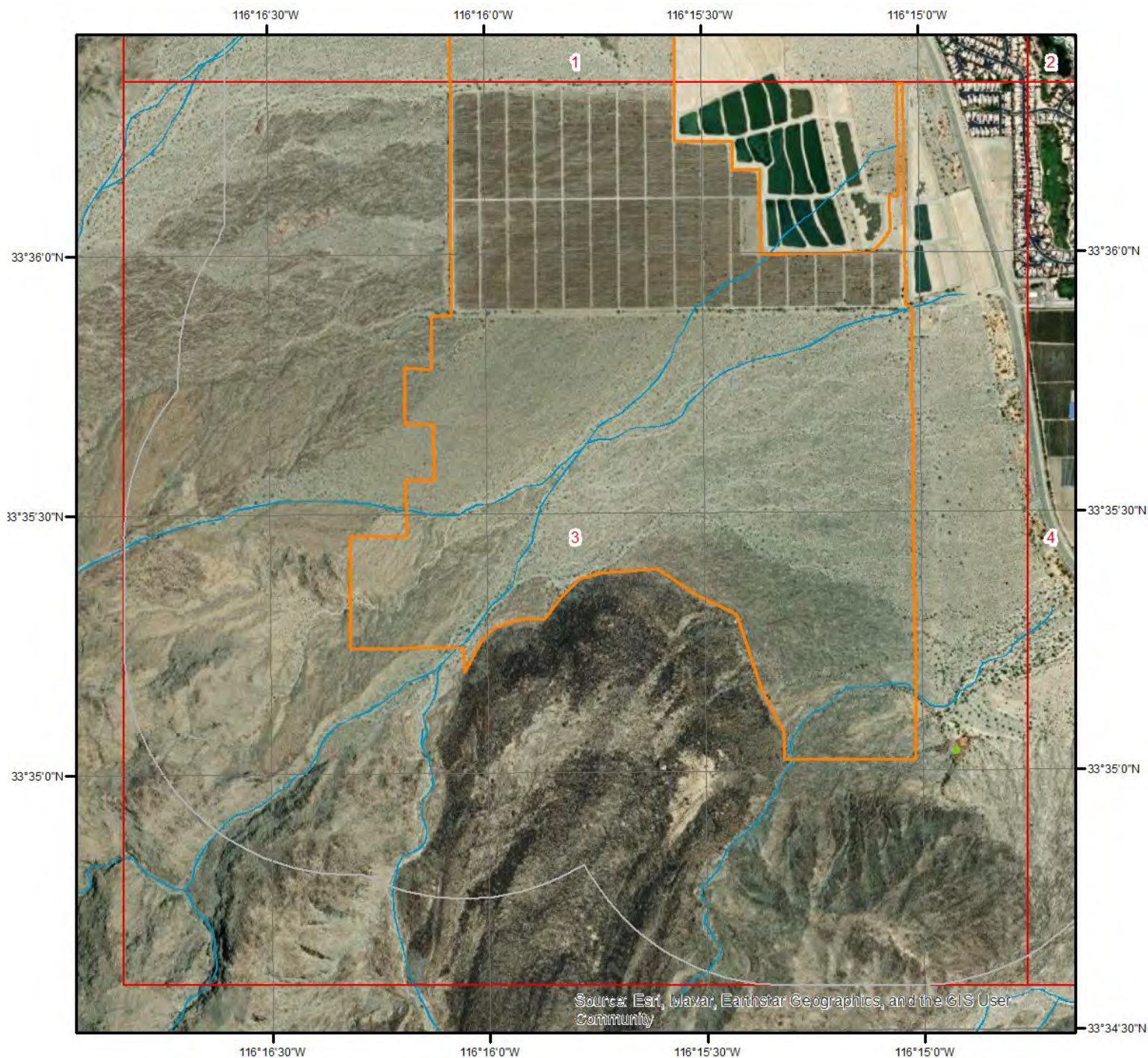
This map shows wetland existence using data from US Fish & Wildlife.  
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

- Freshwater Pond
- Lake
- Other
- Riverine



Hydrologic Information



### Wetland Type - Page 3

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

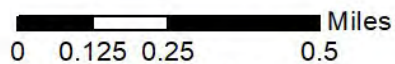
- Freshwater Pond
- Lake
- Other
- Riverine



Hydrologic Information



Wetland Type - Page 4



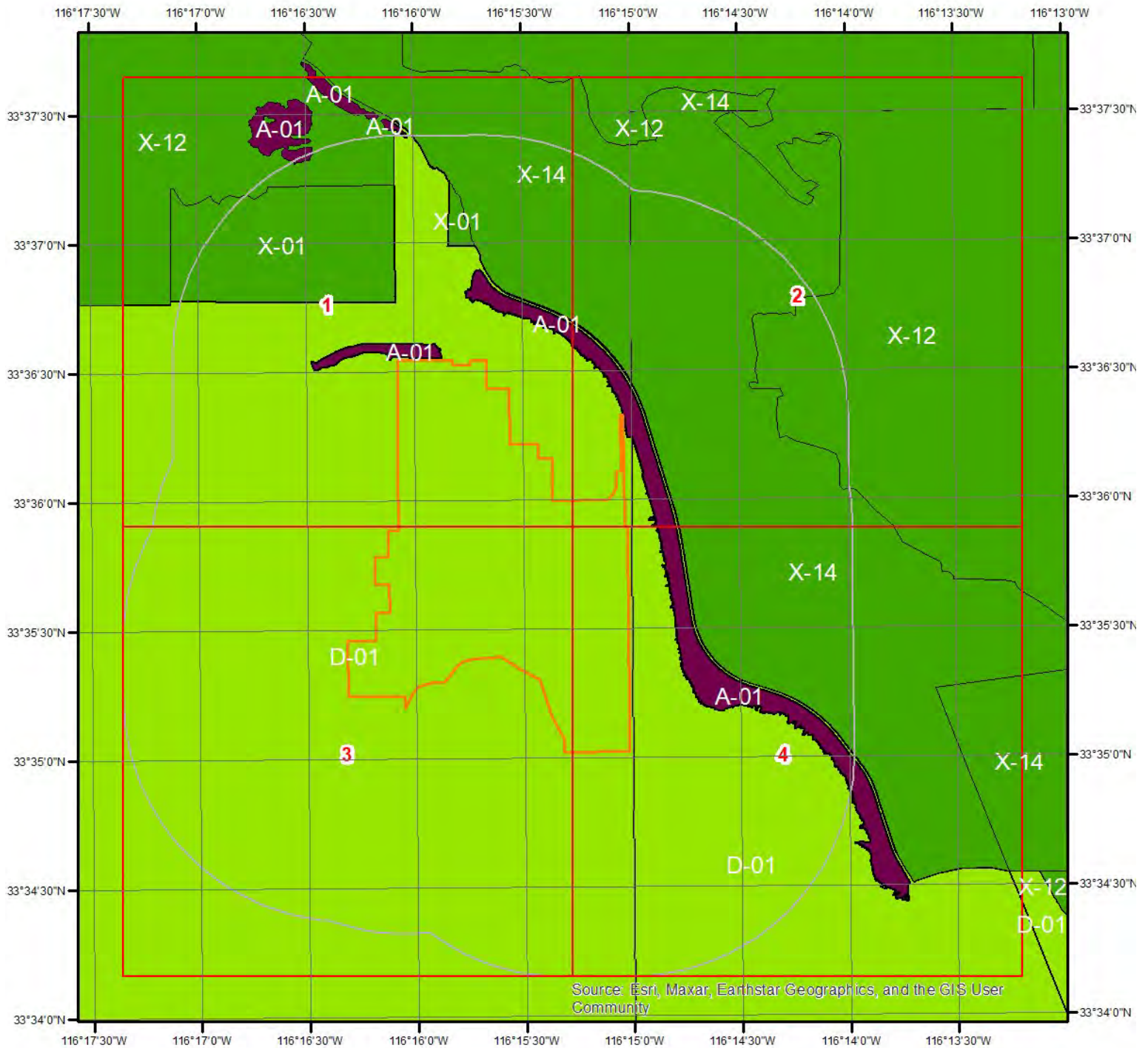
This map shows wetland existence using data from US Fish & Wildlife.  
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

- Freshwater Pond
- Lake
- Other
- Riverine



Hydrologic Information



Flood Hazard Zones

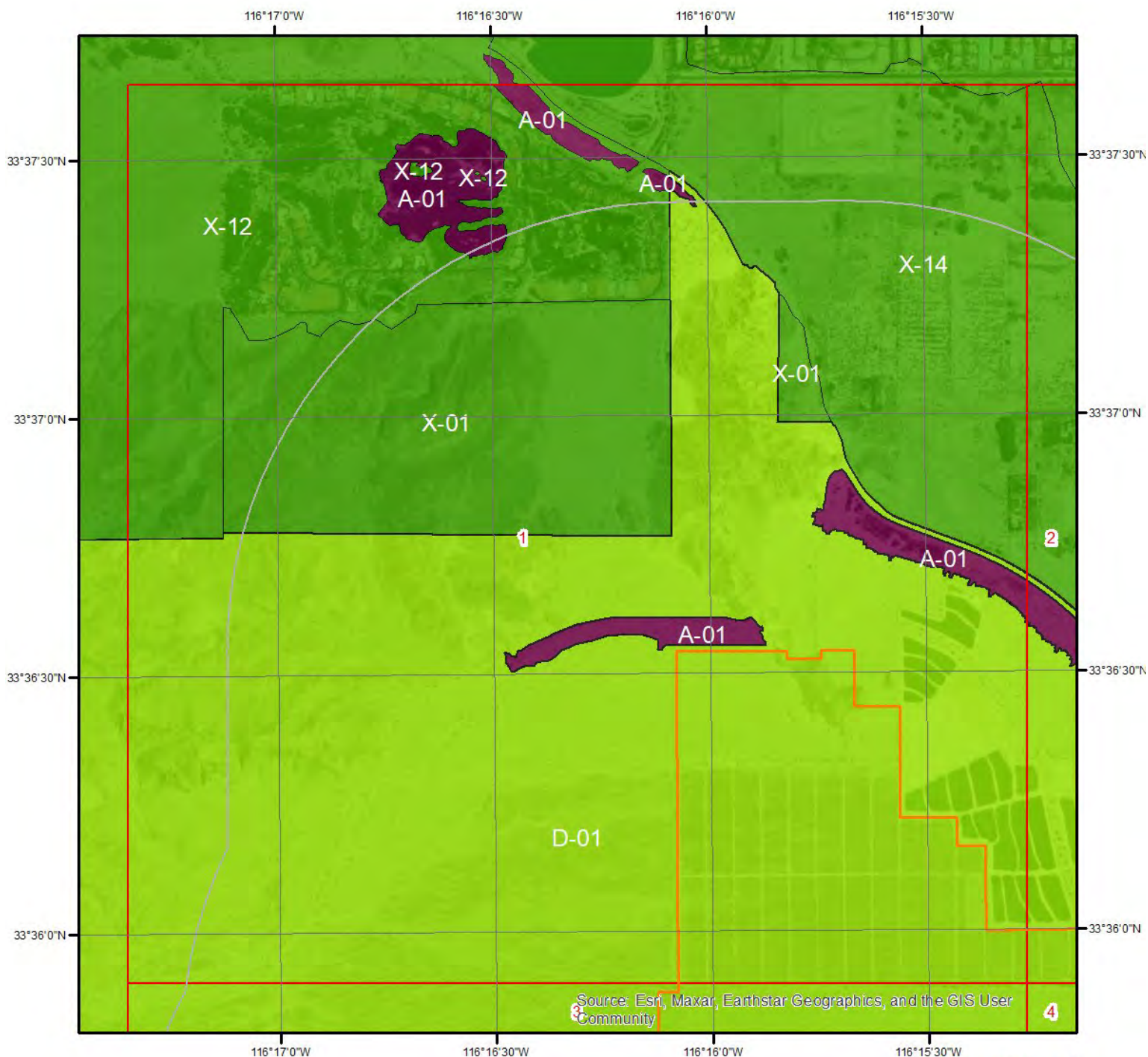
This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

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

Quadrangle(s): Indio,CA; La Quinta,CA; Martinez Mountain,CA; Valerie,CA



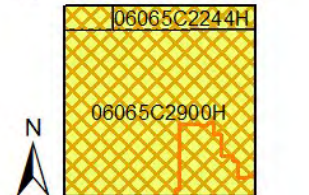
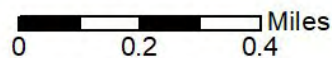
Hydrologic Information



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.

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



Quadrangle(s): La Quinta,CA; Martinez Mountain,CA



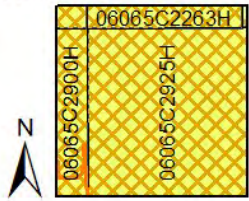
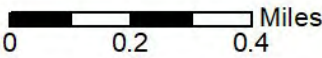
Hydrologic Information



Flood Hazard Zones - Page 2

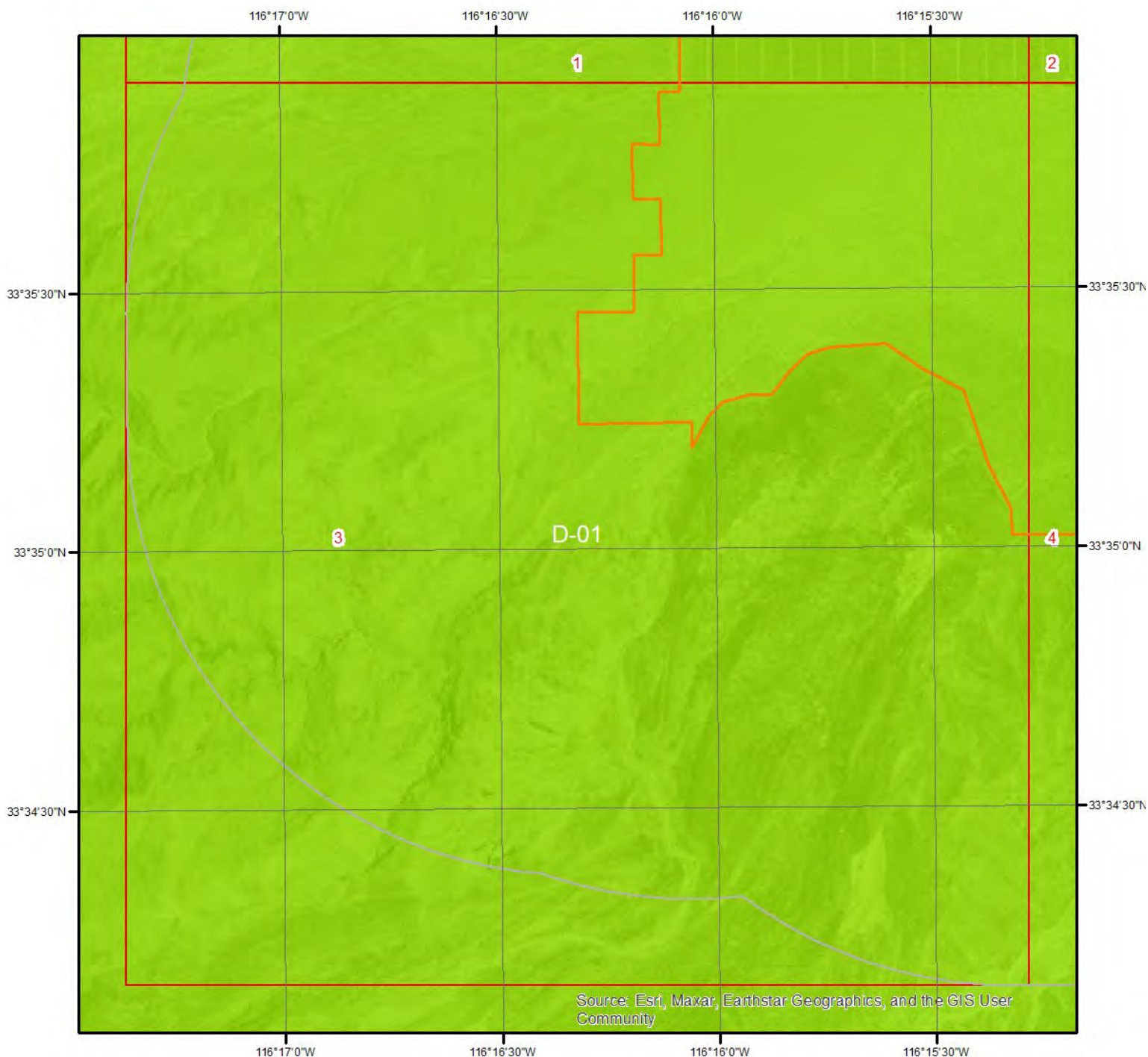
This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

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






Quadrangle(s): Indio,CA; La Quinta,CA; Martinez Mountain,CA; Valerie,CA

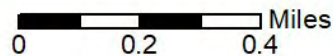




### Flood Hazard Zones - Page 3

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

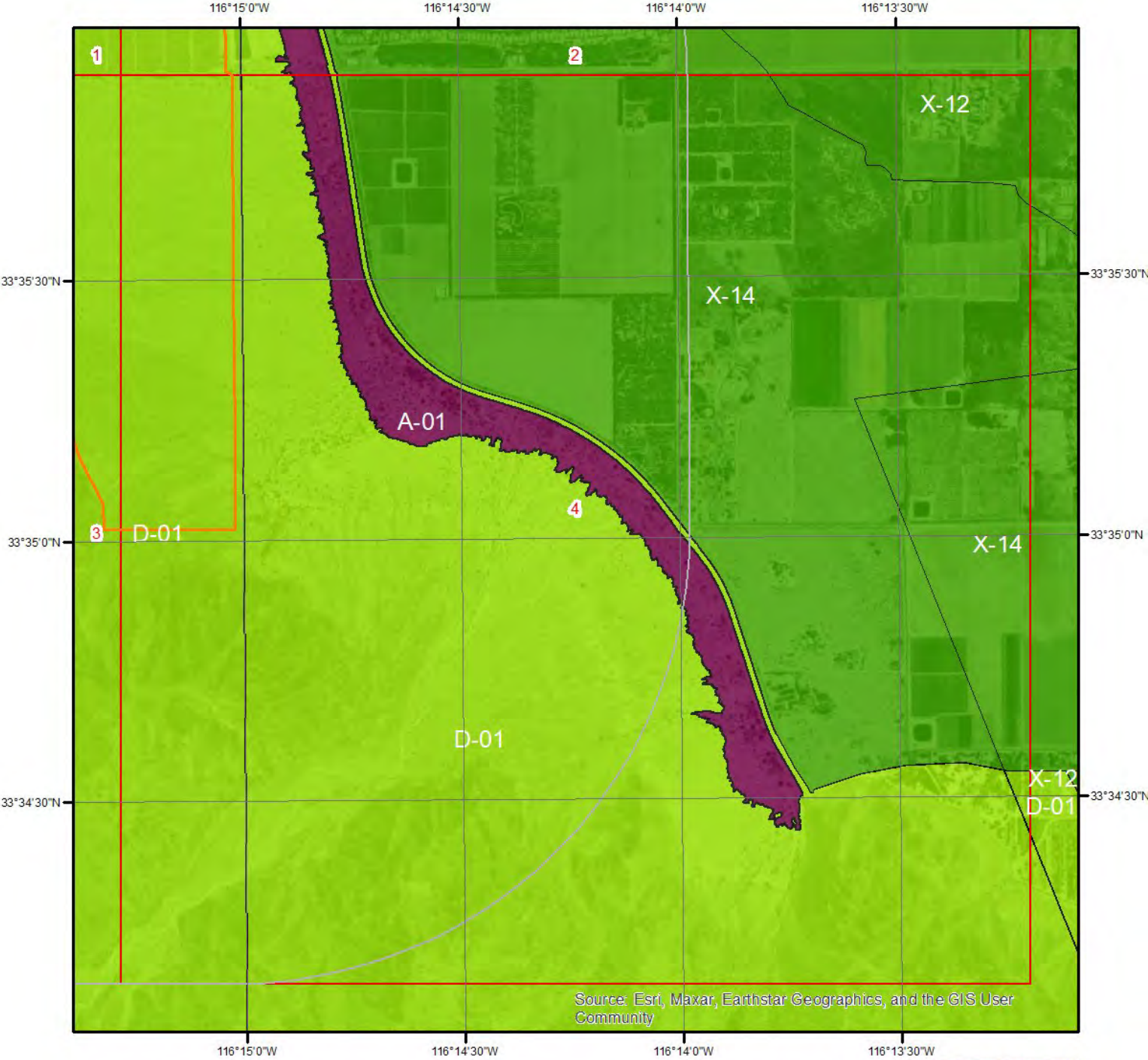
 A	 AO	 X
 A99	 V	 OPEN WATER
 AE	 VE	 NOT POPULATED
 AH	 D	 AREA NOT INCLUDED



Quadrangle(s): Martinez Mountain, CA



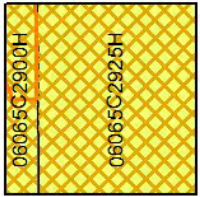
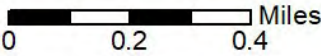
Hydrologic Information



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.

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



Quadrangle(s): Martinez Mountain, CA; Valerie, CA



## 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. For detailed Zone descriptions please click the link: <https://floodadvocate.com/fema-zone-definitions>

---

Available FIRM Panels in area: 06065C2900H(effective:2017-04-19) 06065C2925H(effective:2018-03-06)

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### Flood Zone A-01

Zone: A

Zone subtype:

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### Flood Zone D-01

Zone: D

Zone subtype:

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### Flood Zone X-01

Zone: X

Zone subtype: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD

---

### Flood Zone X-12

Zone: X

Zone subtype: AREA OF MINIMAL FLOOD HAZARD

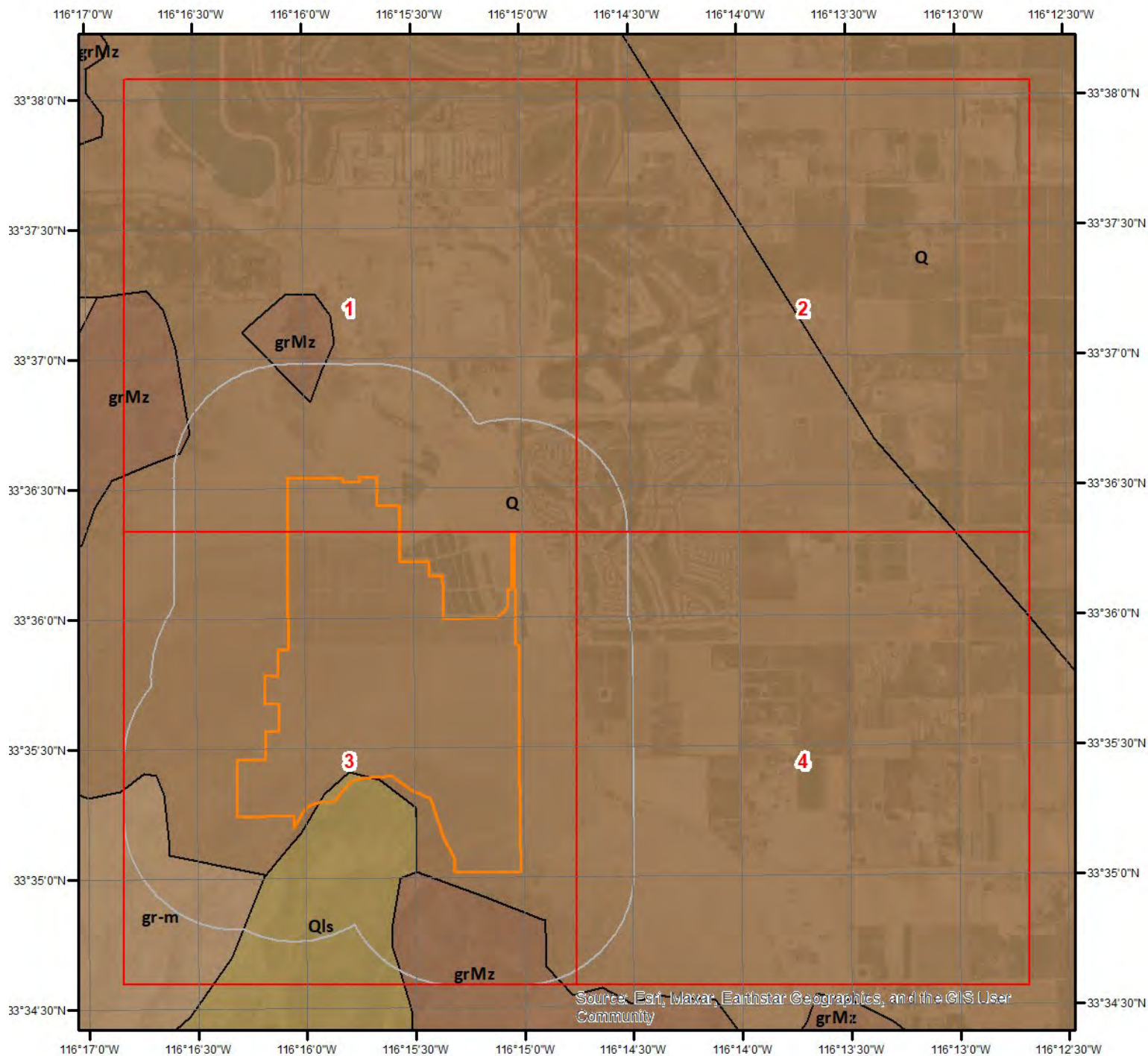
---

### Flood Zone X-14

Zone: X

Zone subtype: AREA WITH REDUCED FLOOD RISK DUE TO LEVEE

Geologic Information

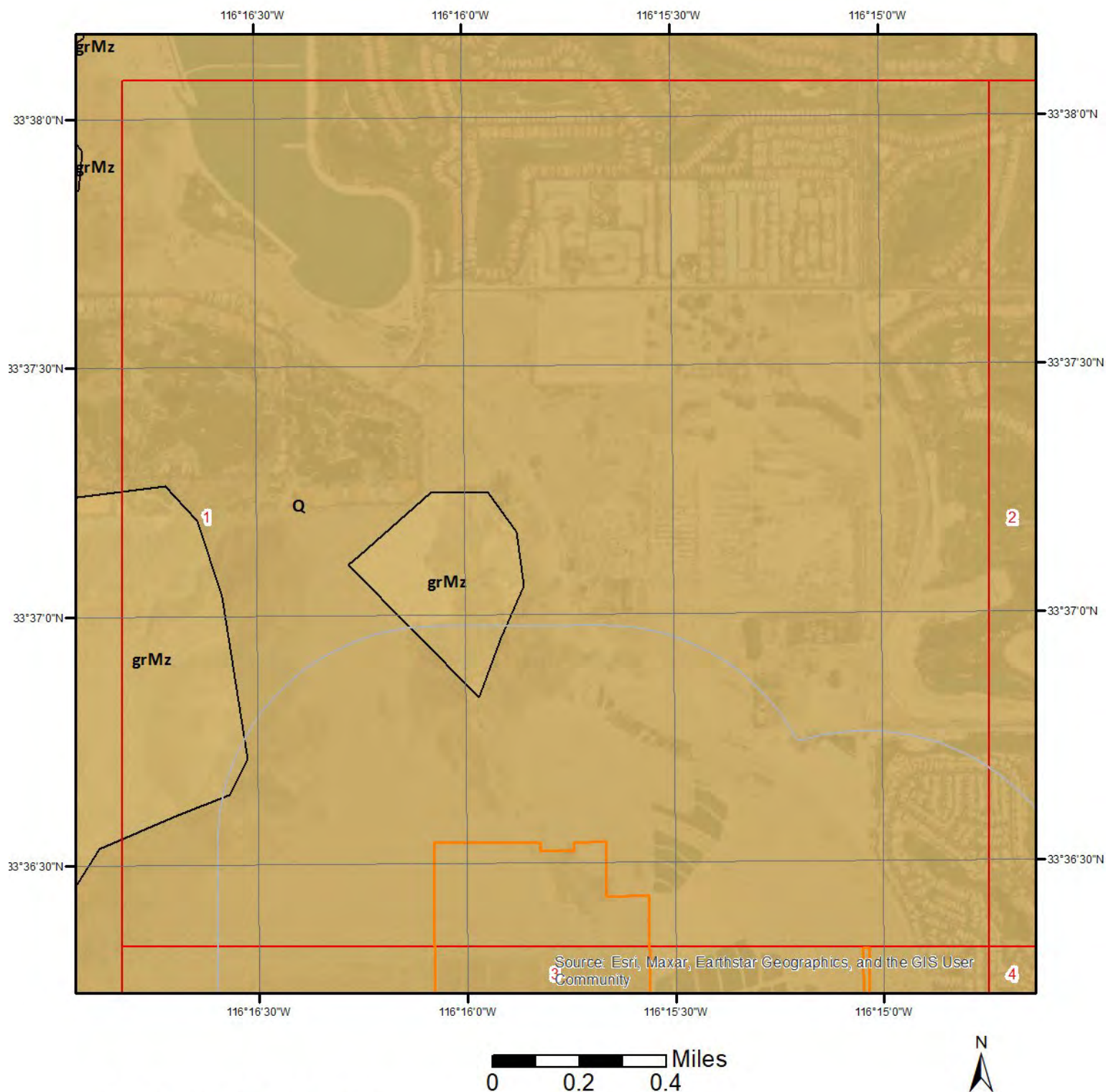


Geologic Units

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



**Geologic Information**

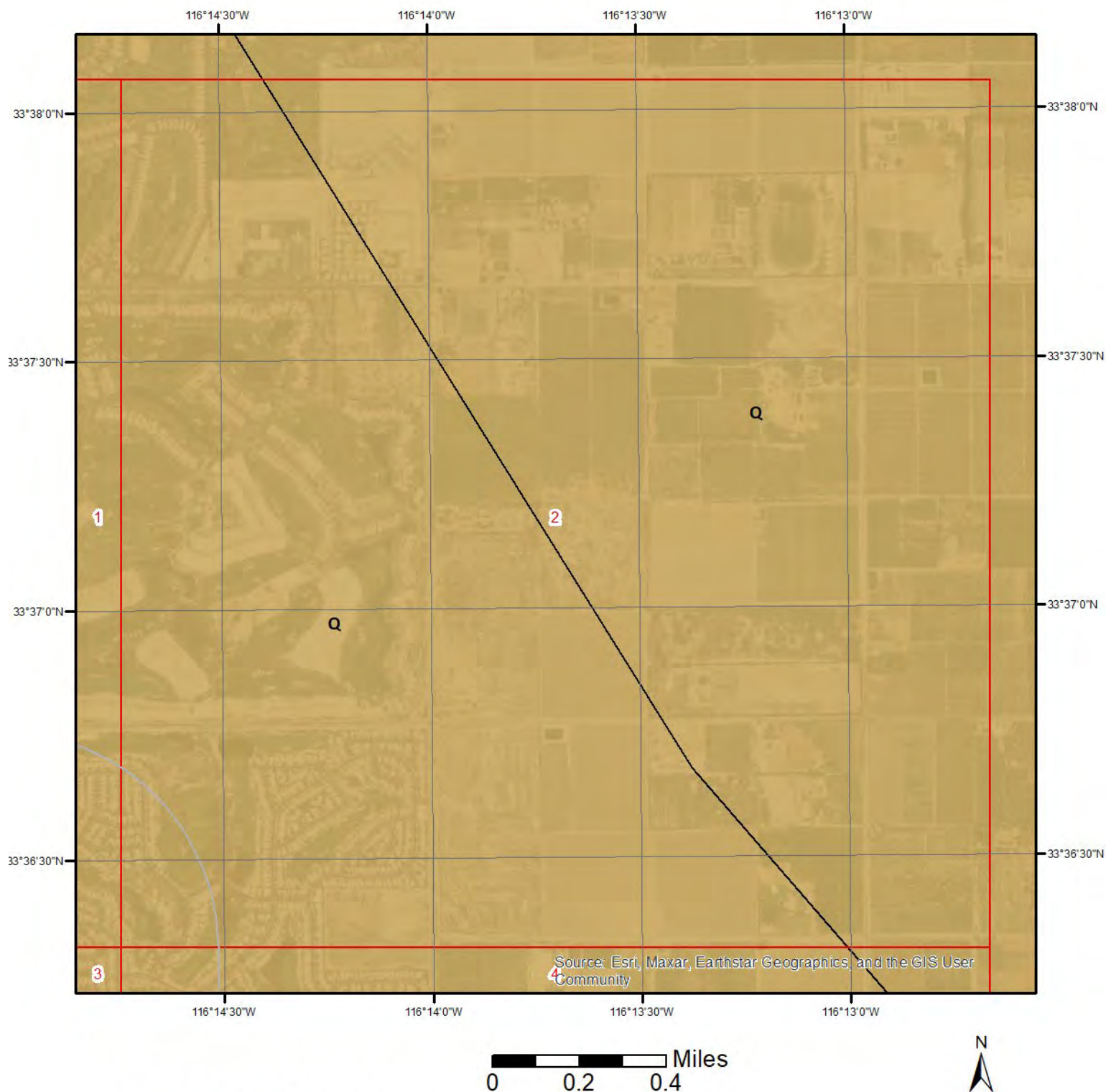


**Geologic Units - Page 1**

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



Geologic Information

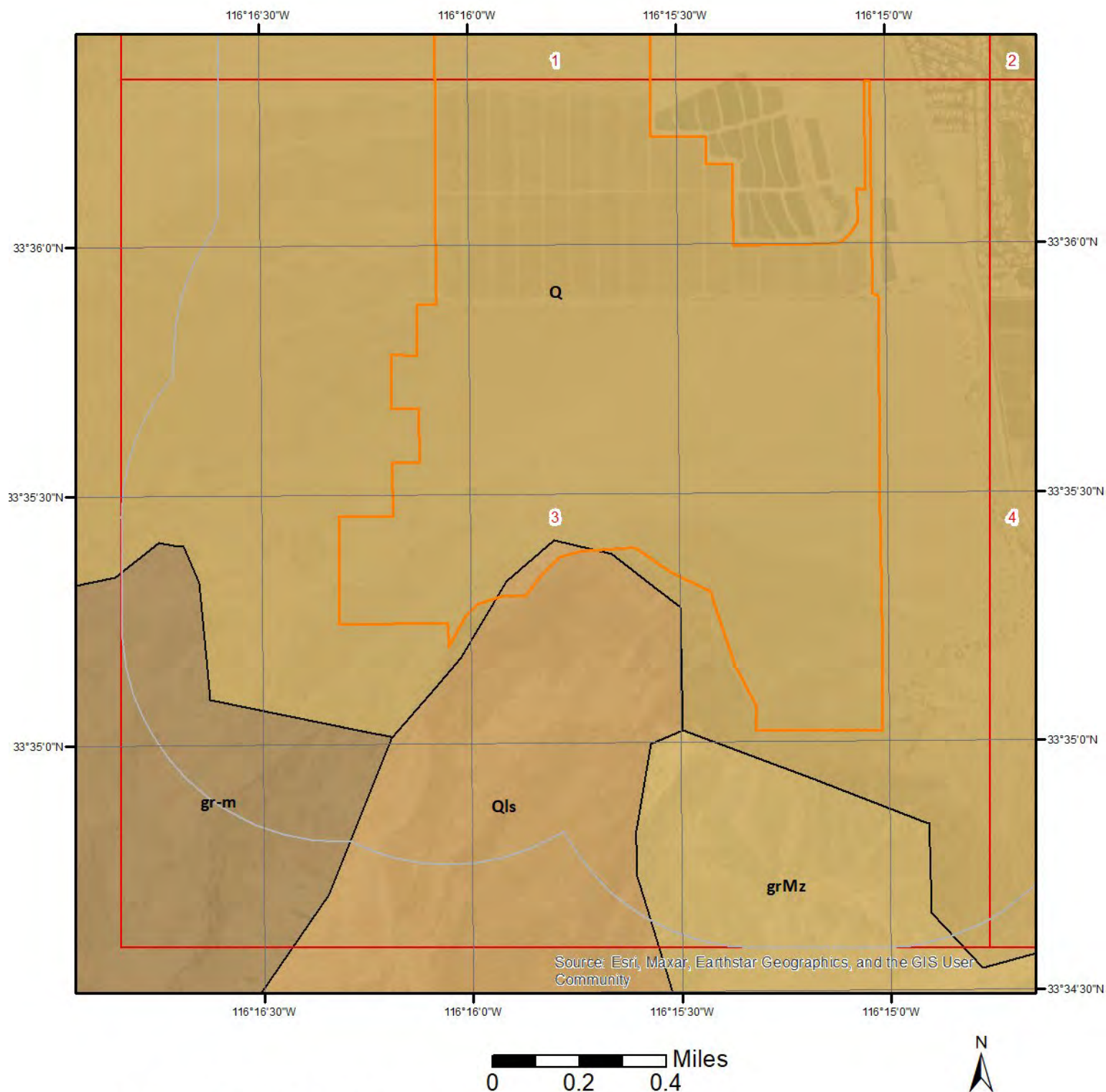


Geologic Units - Page 2

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



**Geologic Information**

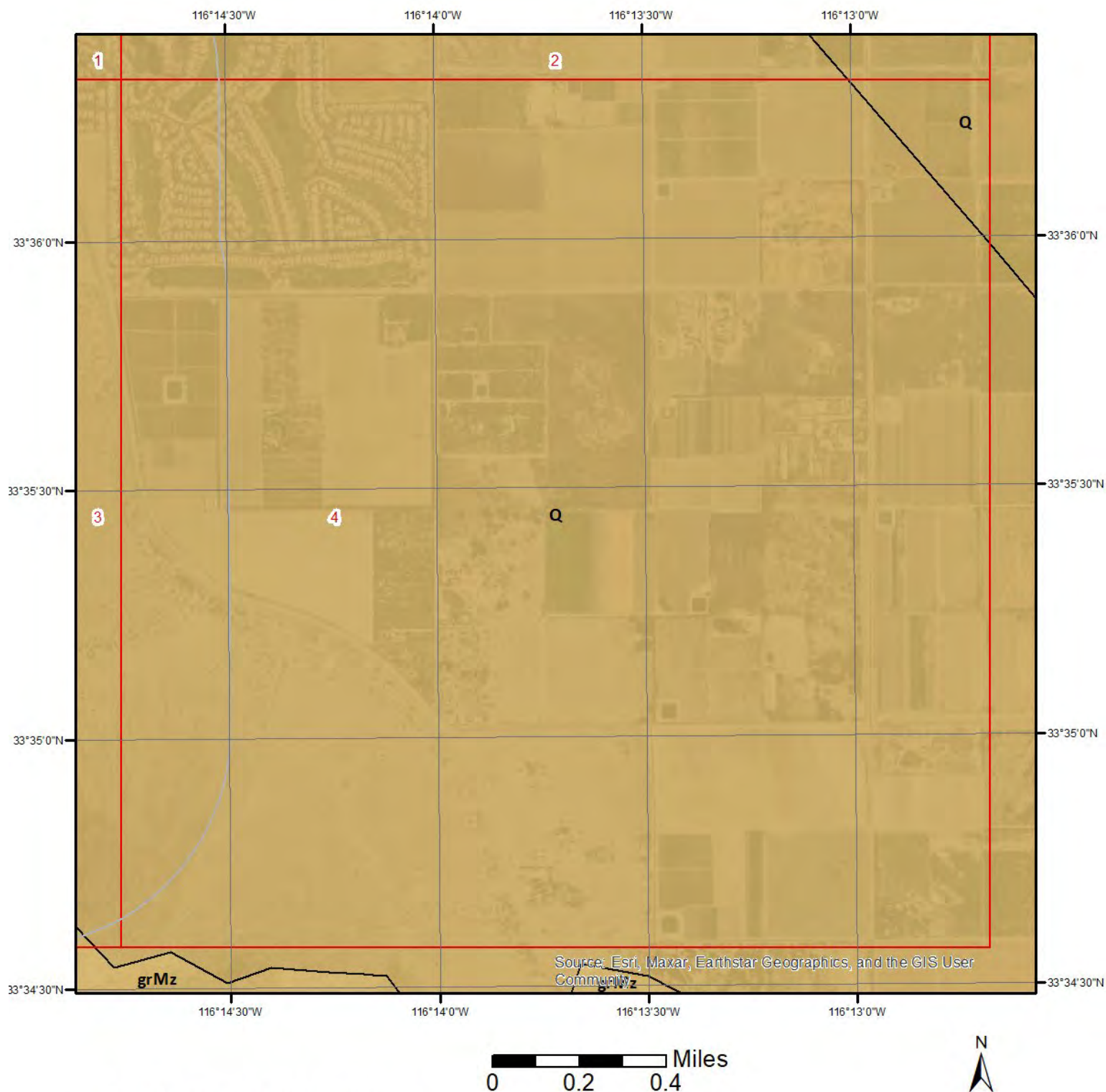


**Geologic Units - Page 3**

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



Geologic Information



Geologic Units - Page 4

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



## 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.

---

### Geologic Unit gr-m

Unit Name:	pre-Cenozoic granitic and metamorphic rocks undivided
Unit Age:	Early Proterozoic to Late Cretaceous
Primary Rock Type:	plutonic rock (phaneritic)
Secondary Rock Type:	gneiss
Unit Description:	Granitic and metamorphic rocks, mostly gneiss and other metamorphic rocks injected by granitic rocks. Mesozoic to Precambrian.

---

### Geologic Unit grMz

Unit Name:	Mesozoic granitic rocks , unit 2 (Peninsular Ranges)
Unit Age:	Middle Jurassic to Late Cretaceous
Primary Rock Type:	tonalite
Secondary Rock Type:	quartz diorite
Unit Description:	Mesozoic granite, quartz monzonite, granodiorite, and quartz diorite

---

### Geologic Unit grMz

Unit Name:	Mesozoic granitic rocks , unit 2 (Peninsular Ranges)
Unit Age:	Middle Jurassic to Late Cretaceous
Primary Rock Type:	tonalite
Secondary Rock Type:	quartz diorite
Unit Description:	Mesozoic granite, quartz monzonite, granodiorite, and quartz diorite

---

### Geologic Unit QIs

Unit Name:	Quaternary large landslide deposits
Unit Age:	Quaternary
Primary Rock Type:	landslide
Secondary Rock Type:	
Unit Description:	Selected large landslides, such as Blackhawk slide on north side of San Gabriel Mountains; early to late Quaternary.

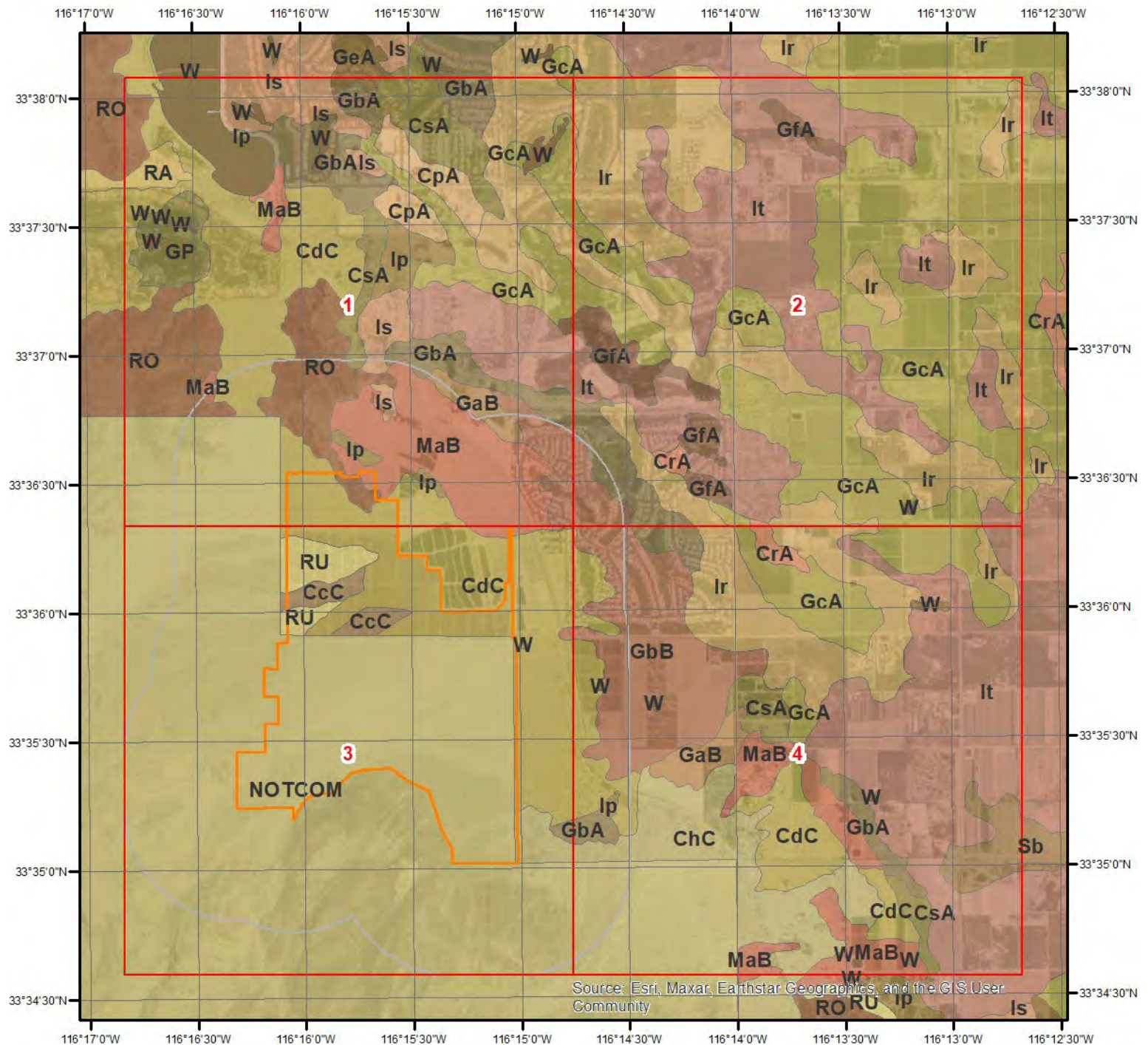
---

## Geologic Information

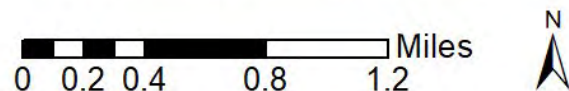
### Geologic Unit grMz

Unit Name:	Mesozoic granitic rocks , unit 2 (Peninsular Ranges)
Unit Age:	Middle Jurassic to Late Cretaceous
Primary Rock Type:	tonalite
Secondary Rock Type:	quartz diorite
Unit Description:	Mesozoic granite, quartz monzonite, granodiorite, and quartz diorite

## Soil Information



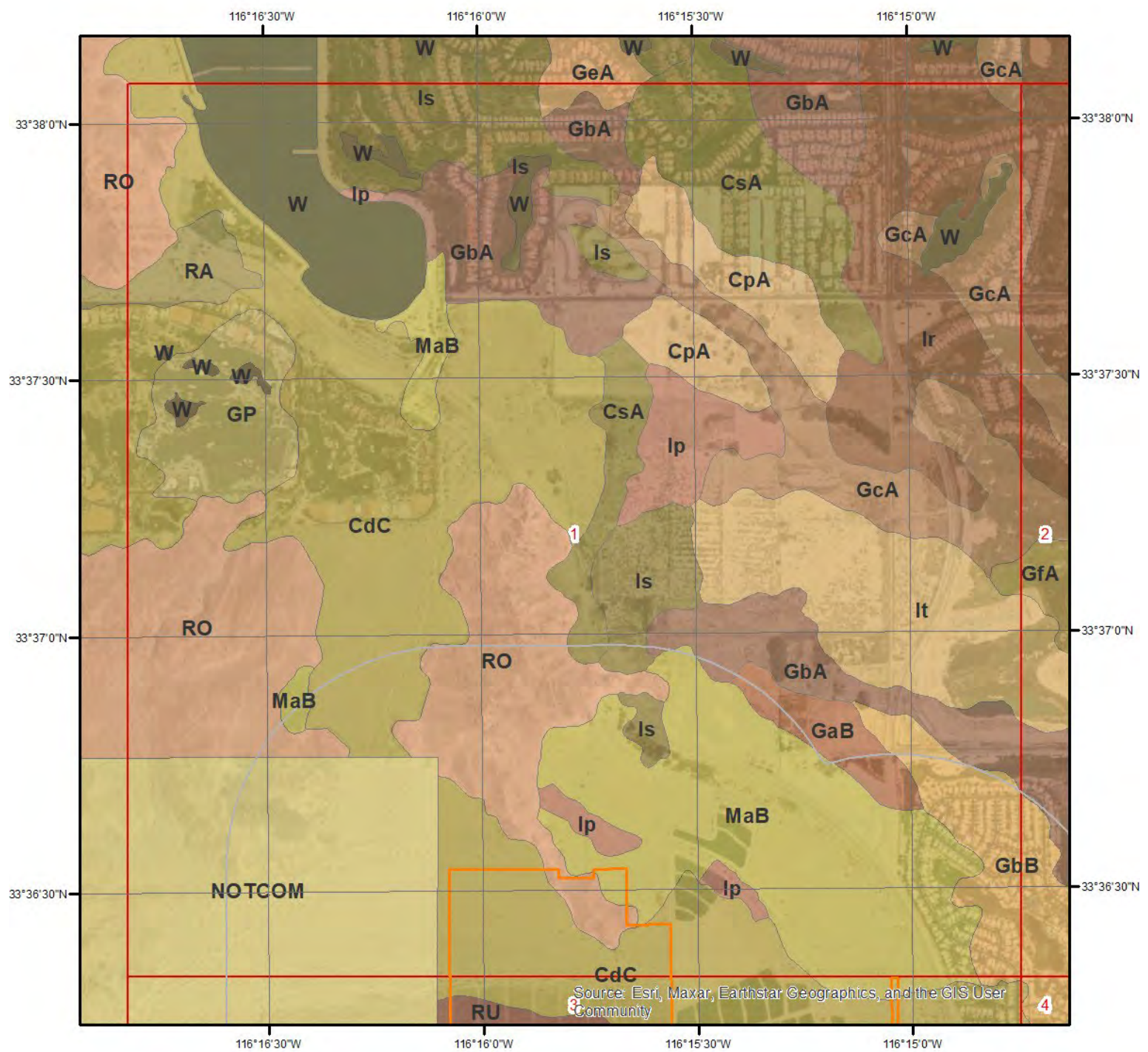
## SSURGO Soils



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



Soil Information

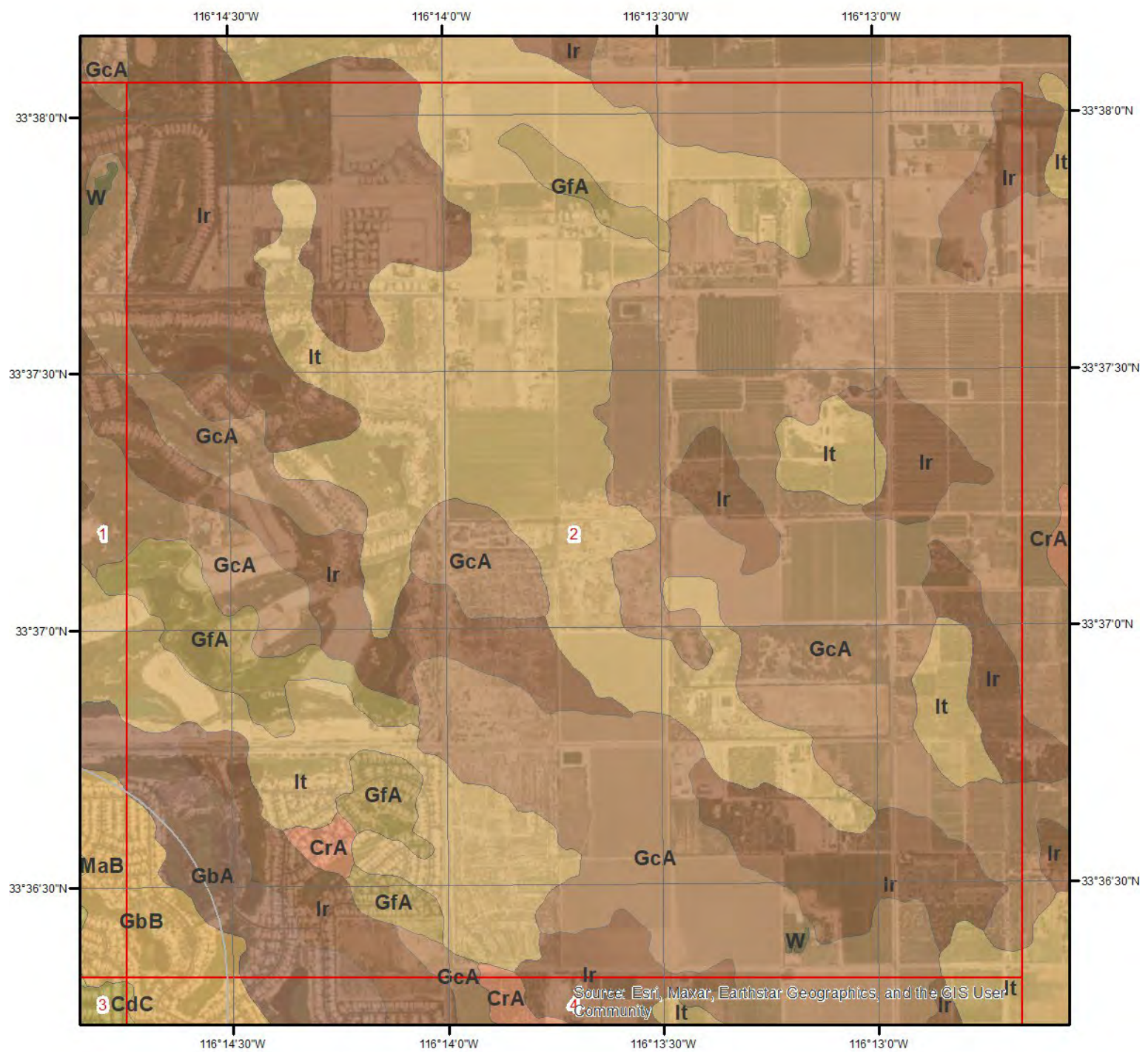


SSURGO Soils - Page 1

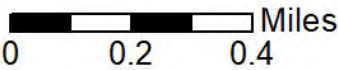
This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information



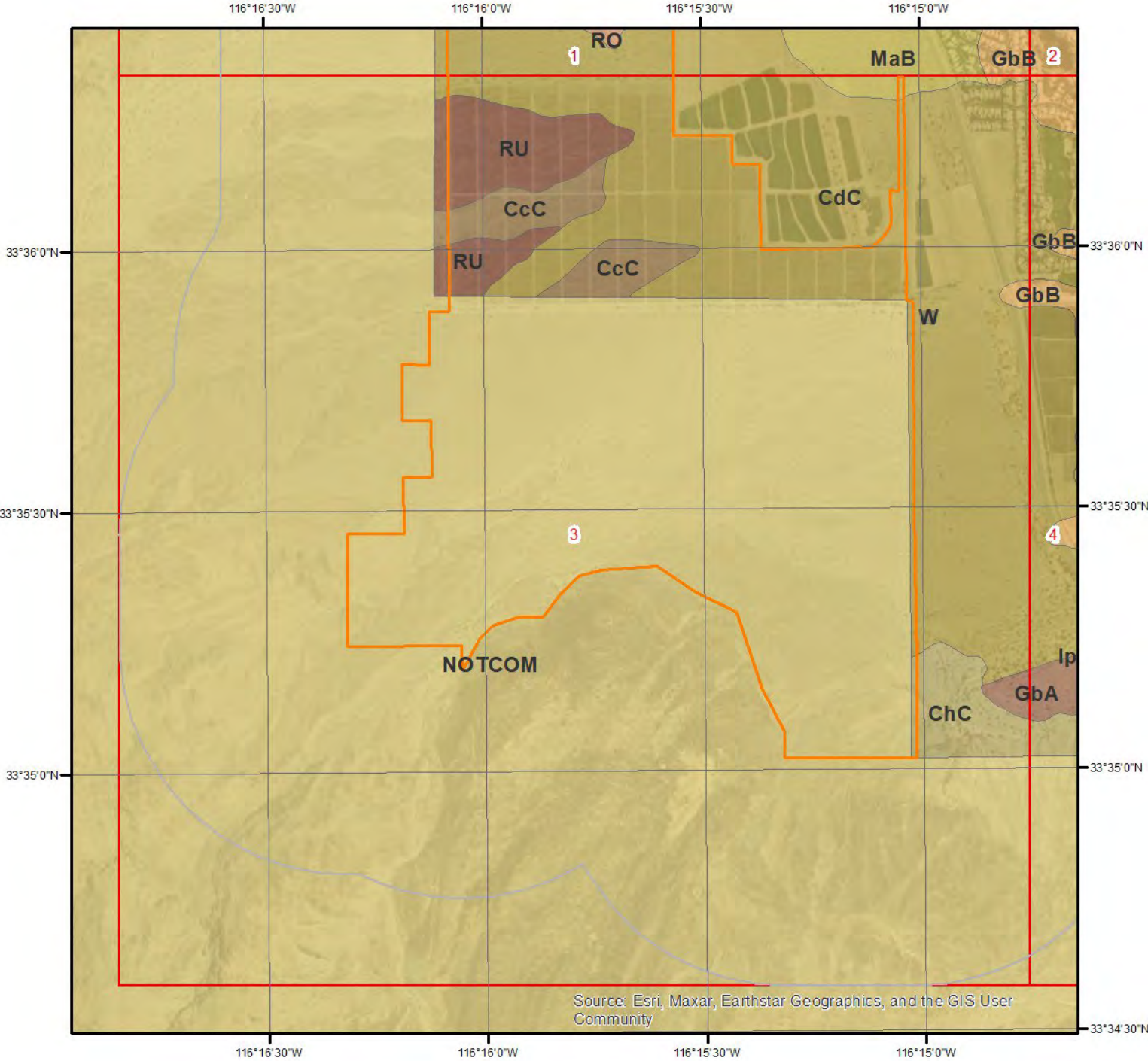
SSURGO Soils - Page 2



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



Soil Information

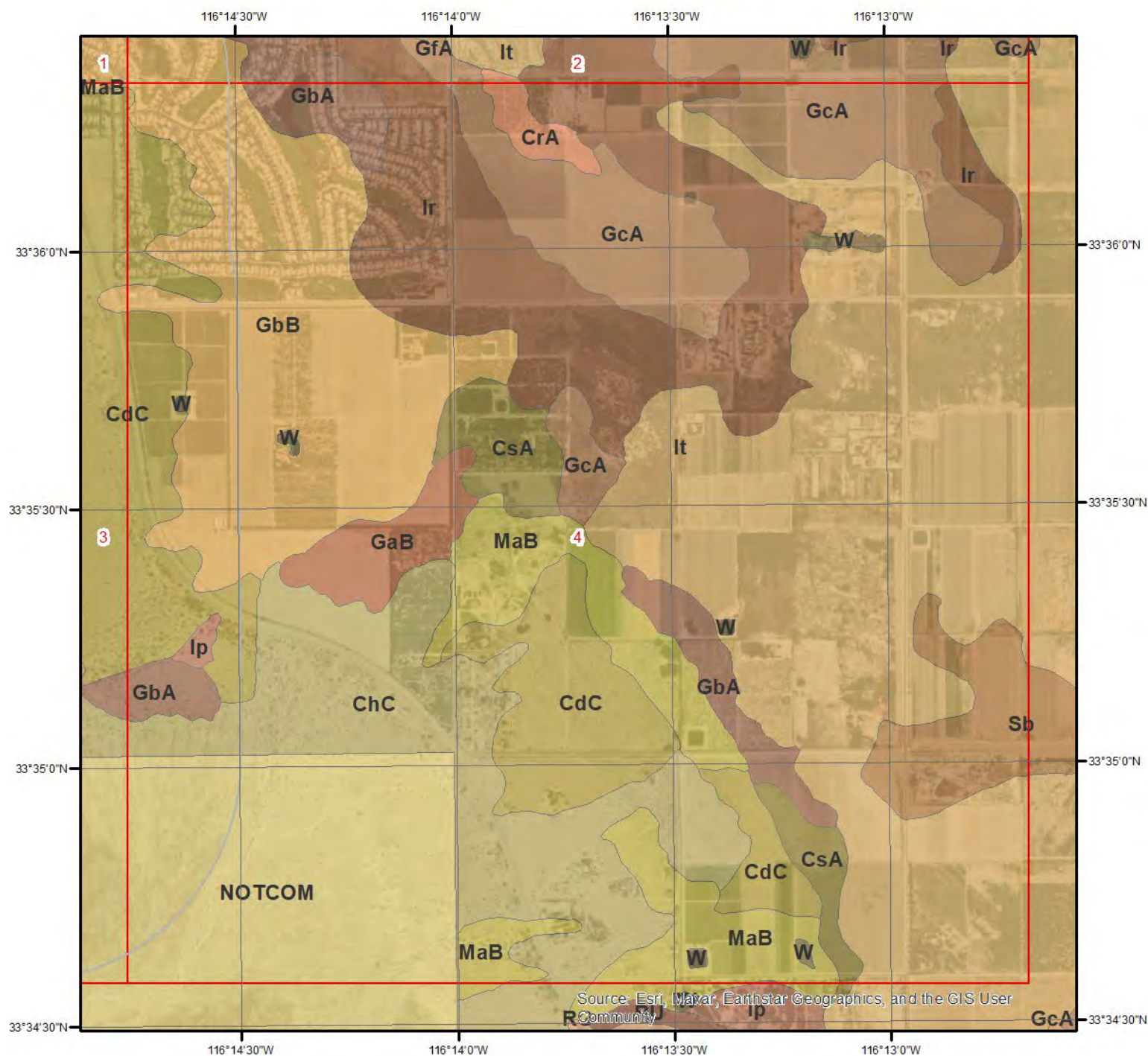


SSURGO Soils - Page 3

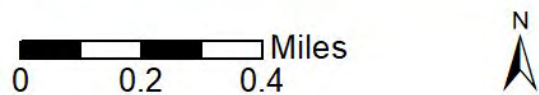
This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information



SSURGO Soils - Page 4



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



## 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 CcC (0.0%)

Map Unit Name:	Carrizo stony sand, 2 to 9 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Carrizo(85%)

horizon H1(0cm to 25cm)	Stony sand
horizon H2(25cm to 99cm)	Very gravelly coarse sand
horizon H3(99cm to 152cm)	Stony coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CcC - Carrizo stony sand, 2 to 9 percent slopes

Component: Carrizo (85%)

The Carrizo component makes up 85 percent of the map unit. Slopes are 2 to 9 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is very high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 0 percent. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Carsitas (10%)

Generated brief soil descriptions are created for major soil components. The Carsitas soil is a minor component.

Component: Chuckawalla (2%)

Generated brief soil descriptions are created for major soil components. The Chuckawalla soil is a minor component.

Component: Myoma (2%)

Generated brief soil descriptions are created for major soil components. The Myoma soil is a minor component.

Component: Unnamed (1%)

Generated brief soil descriptions are created for major soil components. The Unnamed, cobbly or gravelly soil is a minor component.

### Map Unit CdC (0.09%)

Map Unit Name:	Carsitas gravelly sand, 0 to 9 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Carsitas(85%)

horizon H1(0cm to 25cm)	Gravelly sand
-------------------------	---------------

## Soil Information

horizon H2(25cm to 152cm)

Gravelly sand

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: CdC - Carsitas gravelly sand, 0 to 9 percent slopes

#### Component: Carsitas (85%)

The Carsitas component makes up 85 percent of the map unit. Slopes are 0 to 9 percent. This component is on alluvial fans. The parent material consists of gravelly alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. Irrigated land capability classification is 4s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. There are no saline horizons within 30 inches of the soil surface.

#### Component: Riverwash (4%)

Generated brief soil descriptions are created for major soil components. The Riverwash soil is a minor component.

#### Component: Carsitas (4%)

Generated brief soil descriptions are created for major soil components. The Carsitas soil is a minor component.

#### Component: Myoma (4%)

Generated brief soil descriptions are created for major soil components. The Myoma soil is a minor component.

#### Component: Unnamed (3%)

Generated brief soil descriptions are created for major soil components. The Unnamed, stony or gravelly soil is a minor component.

---

### Map Unit ChC (0.03%)

Map Unit Name:

Carsitas cobbly sand, 2 to 9 percent slopes

Bedrock Depth - Min:

null

Watertable Depth - Annual Min:

null

Drainage Class - Dominant:

Excessively drained

Hydrologic Group - Dominant:

A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

#### Carsitas(85%)

horizon H1(0cm to 25cm)

Cobbly sand

horizon H2(25cm to 152cm)

Gravelly sand

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: ChC - Carsitas cobbly sand, 2 to 9 percent slopes

#### Component: Carsitas (85%)

The Carsitas component makes up 85 percent of the map unit. Slopes are 2 to 9 percent. This component is on alluvial fans. The parent material consists of gravelly alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. Irrigated land capability classification is 6s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. There are no saline horizons within 30 inches of the soil surface.

#### Component: Riverwash (4%)

Generated brief soil descriptions are created for major soil components. The Riverwash soil is a minor component.

#### Component: Chuckawalla (4%)

Generated brief soil descriptions are created for major soil components. The Chuckawalla soil is a minor component.

## Soil Information

Component: Carrizo (4%)

Generated brief soil descriptions are created for major soil components. The Carrizo soil is a minor component.

Component: Unnamed (3%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

---

### Map Unit CsA (0.0%)

Map Unit Name:	Coachella fine sandy loam, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Coachella(85%)	
horizon H1(0cm to 25cm)	Fine sandy loam
horizon H2(25cm to 102cm)	Sand
horizon H3(102cm to 152cm)	Loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CsA - Coachella fine sandy loam, 0 to 2 percent slopes

Component: Coachella (85%)

The Coachella component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans. The parent material consists of alluvium derived from igneous rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Gilman (5%)

Generated brief soil descriptions are created for major soil components. The Gilman soil is a minor component.

Component: Indio (5%)

Generated brief soil descriptions are created for major soil components. The Indio soil is a minor component.

Component: Myoma (5%)

Generated brief soil descriptions are created for major soil components. The Myoma soil is a minor component.

---

### Map Unit GaB (0.0%)

Map Unit Name:	Gilman loamy fine sand, 0 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Gilman(85%)	
horizon H1(0cm to 20cm)	Loamy fine sand
horizon H2(20cm to 152cm)	Stratified loamy sand to silty clay loam

Component Description:

## Soil Information

Minor map unit components are excluded from this report.

Map Unit: GaB - Gilman loamy fine sand, 0 to 5 percent slopes

Component: Gilman (85%)

The Gilman component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on alluvial fans. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 7s. Irrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Coachella (8%)

Generated brief soil descriptions are created for major soil components. The Coachella soil is a minor component.

Component: Indio (5%)

Generated brief soil descriptions are created for major soil components. The Indio soil is a minor component.

Component: Salton (2%)

Generated brief soil descriptions are created for major soil components. The Salton soil is a minor component.

---

### Map Unit GbA (0.01%)

Map Unit Name:	Gilman fine sandy loam, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
Major components are printed below	
Gilman(85%)	
horizon H1(0cm to 20cm)	Fine sandy loam
horizon H2(20cm to 152cm)	Stratified loamy sand to silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GbA - Gilman fine sandy loam, 0 to 2 percent slopes

Component: Gilman (85%)

The Gilman component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 7e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Coachella (4%)

Generated brief soil descriptions are created for major soil components. The Coachella soil is a minor component.

Component: Unnamed (4%)

Generated brief soil descriptions are created for major soil components. The Unnamed, sandy surface soil is a minor component.

Component: Indio (4%)

Generated brief soil descriptions are created for major soil components. The Indio soil is a minor component.

Component: Salton (3%)

Generated brief soil descriptions are created for major soil components. The Salton soil is a minor component.

## Soil Information

### Map Unit GbB (0.03%)

Map Unit Name:	Gilman fine sandy loam, 2 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Gilman(85%)

horizon H1(0cm to 20cm)	Fine sandy loam
horizon H2(20cm to 152cm)	Stratified loamy sand to silty clay loam

#### Component Description:

Minor map unit components are excluded from this report.

Map Unit: GbB - Gilman fine sandy loam, 2 to 5 percent slopes

#### Component: Gilman (85%)

The Gilman component makes up 85 percent of the map unit. Slopes are 2 to 5 percent. This component is on alluvial fans. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 7e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. There are no saline horizons within 30 inches of the soil surface.

#### Component: Unnamed (5%)

Generated brief soil descriptions are created for major soil components. The Unnamed, sandy surface soil is a minor component.

#### Component: Coachella (4%)

Generated brief soil descriptions are created for major soil components. The Coachella soil is a minor component.

#### Component: Indio (4%)

Generated brief soil descriptions are created for major soil components. The Indio soil is a minor component.

#### Component: Salton (2%)

Generated brief soil descriptions are created for major soil components. The Salton soil is a minor component.

### Map Unit Ip (0.0%)

Map Unit Name:	Indio fine sandy loam
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Indio(85%)

horizon H1(0cm to 25cm)	Fine sandy loam
horizon H2(25cm to 152cm)	Very fine sandy loam

#### Component Description:

Minor map unit components are excluded from this report.

## Soil Information

Map Unit: Ip - Indio fine sandy loam

Component: Indio (85%)

The Indio component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7c. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Salton (5%)

Generated brief soil descriptions are created for major soil components. The Salton soil is a minor component.

Component: Gilman (5%)

Generated brief soil descriptions are created for major soil components. The Gilman soil is a minor component.

Component: Coachella (5%)

Generated brief soil descriptions are created for major soil components. The Coachella soil is a minor component.

---

### Map Unit Is (0.0%)

Map Unit Name: Indio very fine sandy loam

Bedrock Depth - Min: null

Watertable Depth - Annual Min: null

Drainage Class - Dominant: Well drained

Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Indio(85%)

horizon H1(0cm to 25cm) Very fine sandy loam

horizon H2(25cm to 152cm) Very fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Is - Indio very fine sandy loam

Component: Indio (85%)

The Indio component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7c. Irrigated land capability classification is 1 This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Coachella (5%)

Generated brief soil descriptions are created for major soil components. The Coachella soil is a minor component.

Component: Gilman (5%)

Generated brief soil descriptions are created for major soil components. The Gilman soil is a minor component.

Component: Salton (5%)

Generated brief soil descriptions are created for major soil components. The Salton soil is a minor component.

---

### Map Unit MaB (0.02%)

Map Unit Name: Myoma fine sand, 0 to 5 percent slopes

## Soil Information

Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Myoma(85%)	
horizon H1(0cm to 46cm)	Fine sand
horizon H2(46cm to 152cm)	Sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: MaB - Myoma fine sand, 0 to 5 percent slopes

Component: Myoma (85%)

The Myoma component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on alluvial fans. The parent material consists of wind blown sandy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 7e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Unnamed (4%)

Generated brief soil descriptions are created for major soil components. The Unnamed, noncalcareous soils soil is a minor component.

Component: Carsitas (4%)

Generated brief soil descriptions are created for major soil components. The Carsitas soil is a minor component.

Component: Coachella (4%)

Generated brief soil descriptions are created for major soil components. The Coachella soil is a minor component.

Component: Riverwash (3%)

Generated brief soil descriptions are created for major soil components. The Riverwash soil is a minor component.

---

### Map Unit NOTCOM (99.76%)

Map Unit Name:	No Digital Data Available
----------------	---------------------------

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: NOTCOM - No Digital Data Available

Component: NOTCOM (100%)

The NOTCOM component makes up 100 percent of the map unit. Slopes are   Depth to a root restrictive layer is greater than 60 inches. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches.

---

### Map Unit RO (0.03%)

Map Unit Name:	Rock outcrop
Bedrock Depth - Min:	0cm
Watertable Depth - Annual Min:	null

## Soil Information

Drainage Class - Dominant: null

Hydrologic Group - Dominant: null

Major components are printed below

Rock outcrop(90%)

horizon H1(0cm to 152cm) Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: RO - Rock outcrop

Component: Rock outcrop (90%)

Generated brief soil descriptions are created for major soil components. The Rock outcrop is a miscellaneous area.

Component: Rubble land (5%)

Generated brief soil descriptions are created for major soil components. The Rubble land soil is a minor component.

Component: Riverwash (3%)

Generated brief soil descriptions are created for major soil components. The Riverwash soil is a minor component.

Component: Carsitas (2%)

Generated brief soil descriptions are created for major soil components. The Carsitas soil is a minor component.

---

### Map Unit RU (0.0%)

Map Unit Name: Rubble land

Bedrock Depth - Min: null

Watertable Depth - Annual Min: null

Drainage Class - Dominant: Excessively drained

Hydrologic Group - Dominant: null

Major components are printed below

Rubble land(70%)

horizon H1(0cm to 152cm) Fragmental material

Component Description:

Minor map unit components are excluded from this report.

Map Unit: RU - Rubble land

Component: Rubble land (70%)

Generated brief soil descriptions are created for major soil components. The Rubble land is a miscellaneous area.

Component: Carrizo (14%)

Generated brief soil descriptions are created for major soil components. The Carrizo soil is a minor component.

Component: Carsitas (10%)

Generated brief soil descriptions are created for major soil components. The Carsitas soil is a minor component.

Component: Riverwash (6%)

Generated brief soil descriptions are created for major soil components. The Riverwash soil is a minor component.

---

### Map Unit W (0.0%)

Map Unit Name: Water

No more attributes available for this map unit

## Soil Information

Component Description:

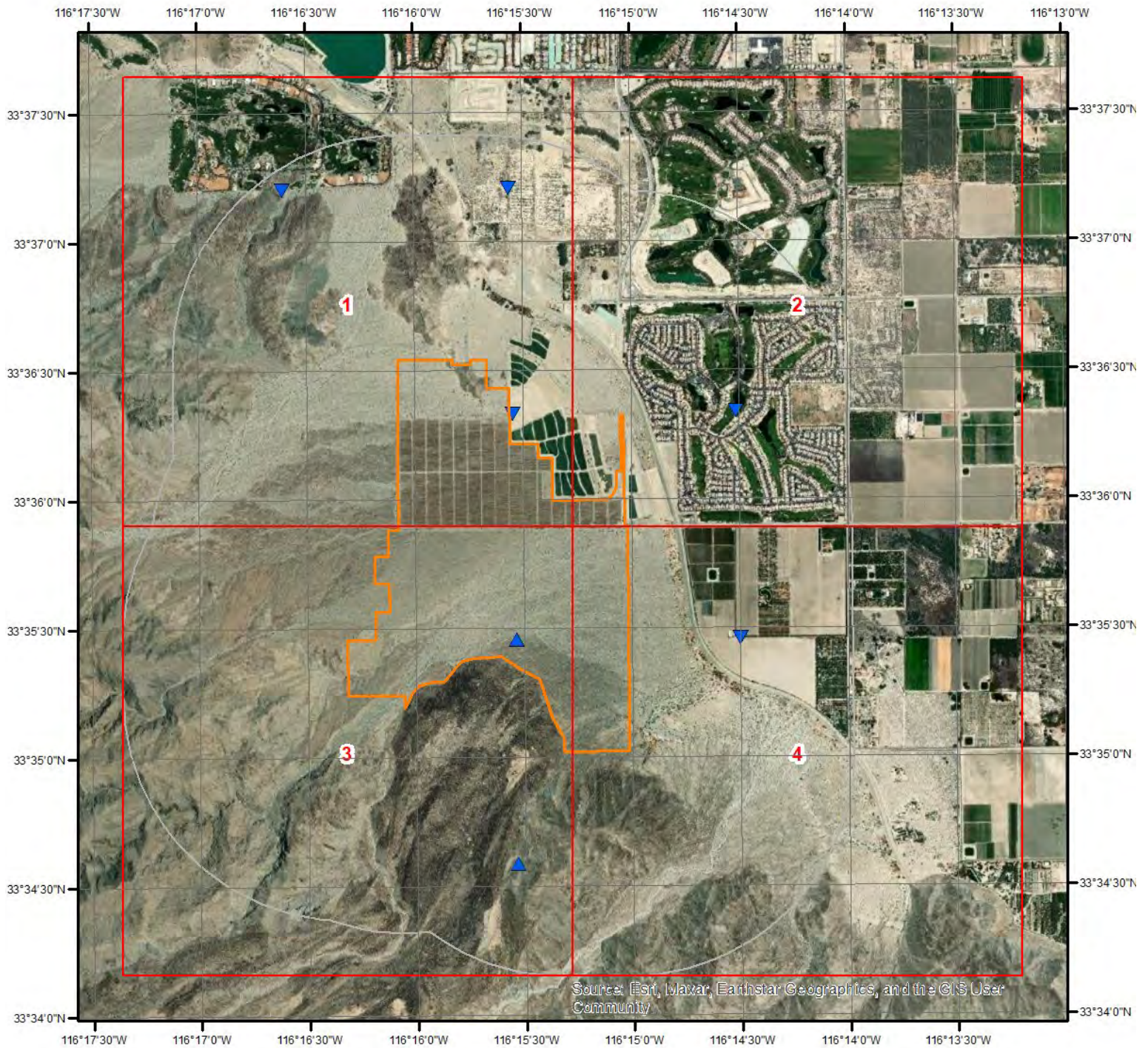
Minor map unit components are excluded from this report.

Map Unit: W - Water

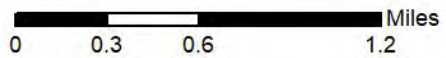
Component: Water (100%)

Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

# Wells and Additional Sources



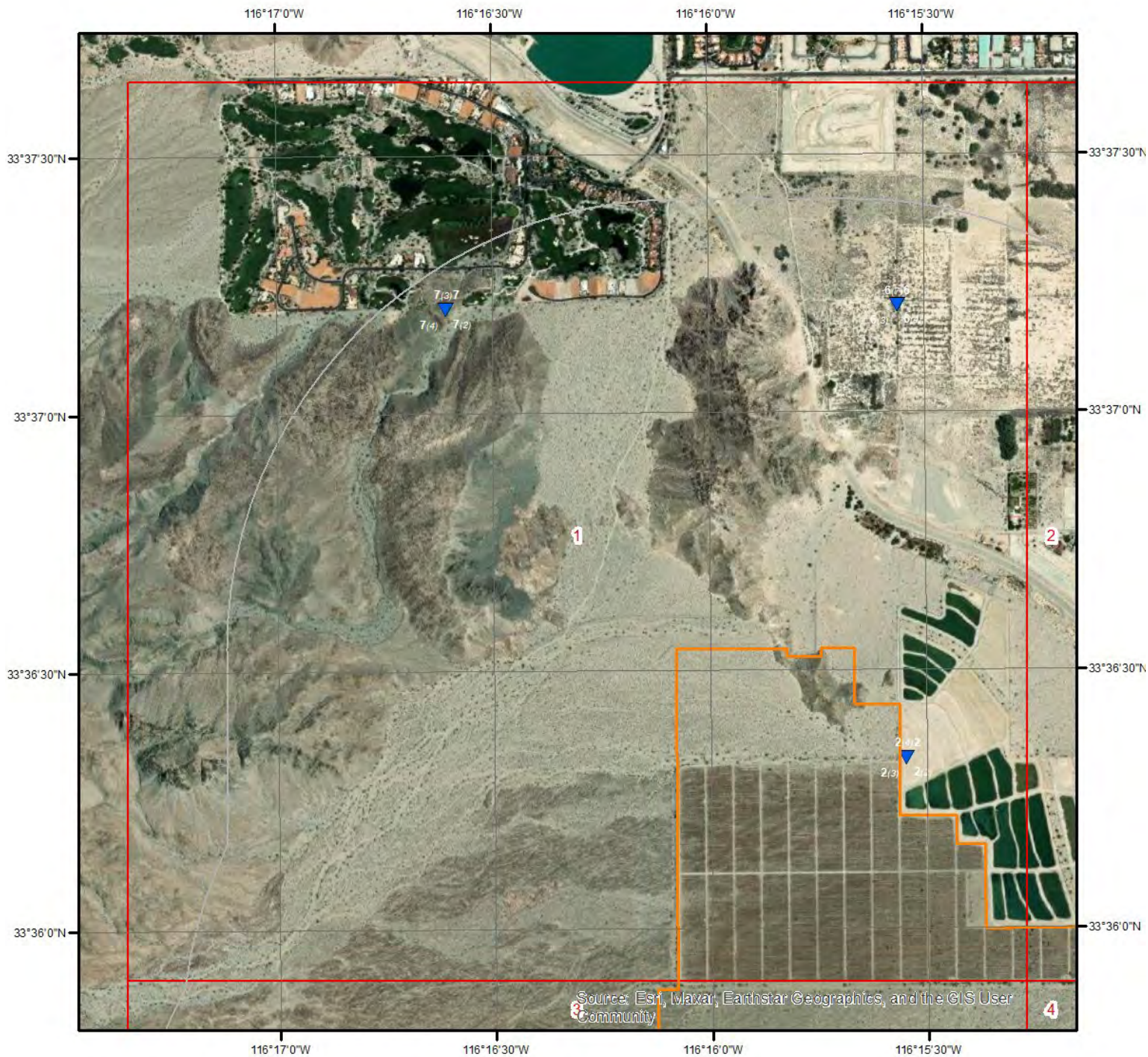
## Wells & Additional Sources



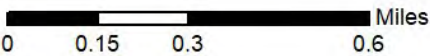
- |                                |                                    |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with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



Wells and Additional Sources



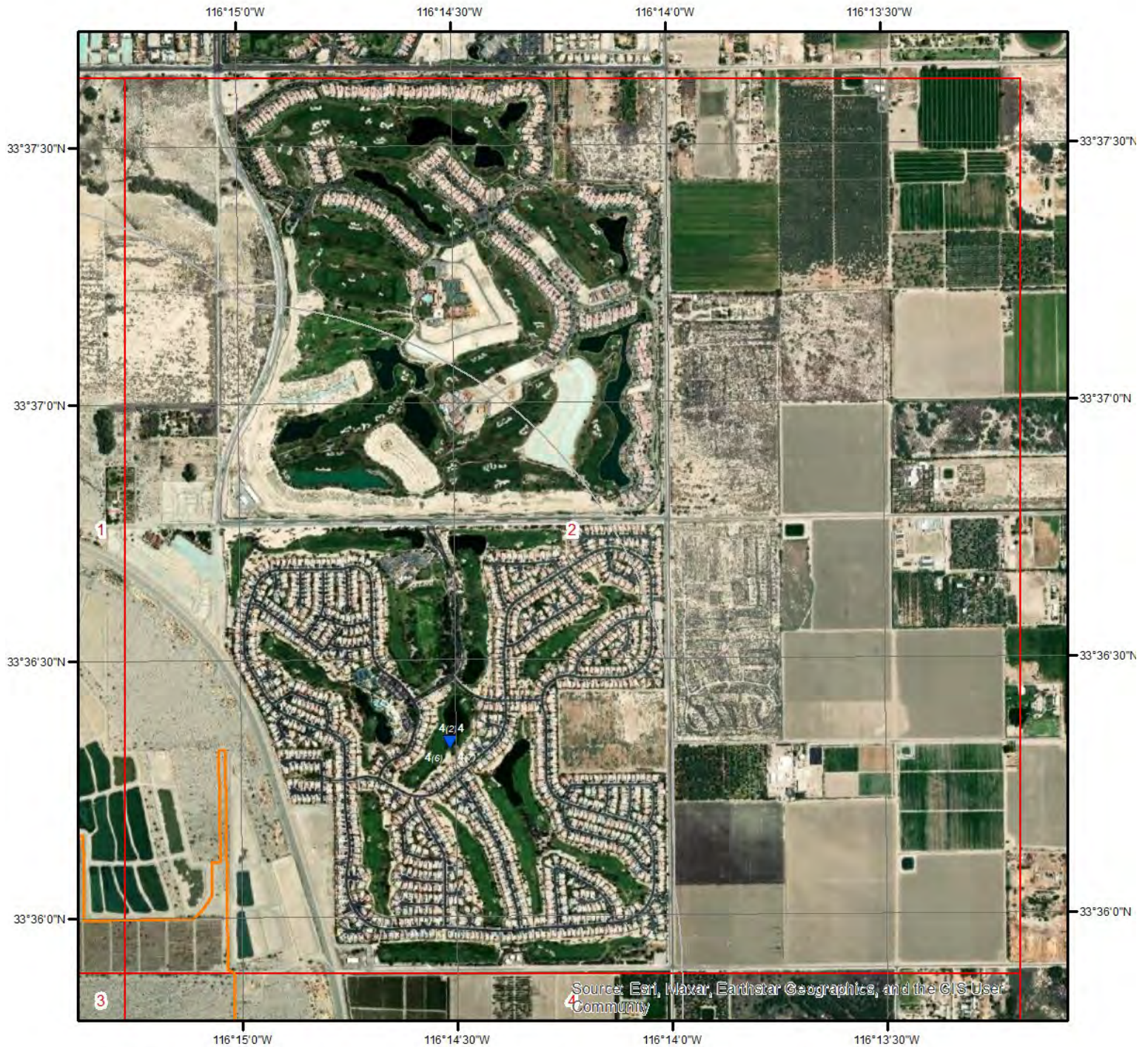
Wells & Additional Sources - Page 1



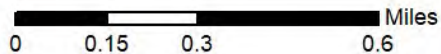
- |                                |                                    |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with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



Wells and Additional Sources



Wells & Additional Sources - Page 2



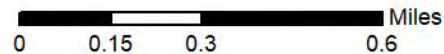
- |                                |                                    |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with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



Wells and Additional Sources



Wells & Additional Sources - Page 3



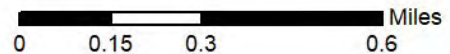
- |                                |                                    |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with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



Wells and Additional Sources



Wells & Additional Sources - Page 4



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



# 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		

### Wells from NWIS

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	WCR1995-012264	0.00	-
1	WCR1995-012182	0.00	-
1	WCR1995-012183	0.00	-
1	WCR1995-012265	0.00	-
2	WCR1945-000506	79.64	N
2	WCR2009-009328	79.64	N
2	WCR2009-009460	79.64	N
2	WCR1960-002039	79.64	N
3	WCR1986-011794	2631.30	ESE
3	WCR1984-008323	2631.30	ESE

## Wells and Additional Sources Summary

3	WCR1993-012670	2631.30	ESE
3	WCR1994-013207	2631.30	ESE
3	WCR1993-010976	2631.30	ESE
3	WCR1995-012262	2631.30	ESE
3	WCR1995-012181	2631.30	ESE
3	WCR1995-012261	2631.30	ESE
3	WCR1994-013208	2631.30	ESE
3	WCR1995-012260	2631.30	ESE
3	WCR1993-013299	2631.30	ESE
3	WCR1995-012177	2631.30	ESE
3	WCR1995-012263	2631.30	ESE
3	WCR1995-012179	2631.30	ESE
3	WCR1994-013277	2631.30	ESE
3	WCR1994-013278	2631.30	ESE
3	WCR1984-008322	2631.30	ESE
3	WCR1995-012178	2631.30	ESE
4	WCR2001-015687	2663.53	ENE
4	WCR1956-002008	2663.53	ENE
4	WCR1964-001989	2663.53	ENE
4	WCR2005-013912	2663.53	ENE
4	WCR1995-012180	2663.53	ENE
4	WCR2003-014444	2663.53	ENE
4	WCR2009-009096	2663.53	ENE
4	WCR2001-015686	2663.53	ENE
4	WCR1995-012254	2663.53	ENE
4	WCR2009-009331	2663.53	ENE
4	WCR2010-011786	2663.53	ENE
4	WCR2009-009330	2663.53	ENE
4	WCR2009-009329	2663.53	ENE
4	WCR2001-015694	2663.53	ENE
4	WCR2002-012789	2663.53	ENE
4	WCR1954-002370	2663.53	ENE
4	WCR2002-012715	2663.53	ENE
5	WCR1962-001921	2851.27	S
6	WCR1914-000102	4054.57	N
6	WCR1776-010202	4054.57	N
6	WCR0069931	4054.57	N
6	WCR1959-001882	4054.57	N
6	WCR1989-019249	4054.57	N
6	WCR1960-002094	4054.57	N
6	WCR1974-003958	4054.57	N
6	WCR1992-016290	4054.57	N
6	WCR1992-016289	4054.57	N
6	WCR1978-008753	4054.57	N
6	WCR2002-014642	4054.57	N
7	WCR2002-014079	4814.23	NNW
7	WCR1992-016288	4814.23	NNW
7	WCR1971-002872	4814.23	NNW
7	WCR1993-010937	4814.23	NNW

## Wells and Additional Sources Detail Report

### Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	171.79	WATER WELLS

WCR No: WCR1995-012264      Decimal Lat(OSWCR): 33.59096  
Decimal Latitude: 33.59096      Decim Long(OSWCR): -116.25889  
Decimal Longitude: -116.25889  
Location: HWY 86, 62 AVE, MONROE  
City: Coachella  
County: Riverside  
Location(OSWCR): HWY 86, 62 AVE, MONROE  
City(OSWCR): Coachella  
County(OSWCR): Riverside  
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	-	0.00	0.00	171.79	WATER WELLS

WCR No: WCR1995-012182      Decimal Lat(OSWCR): 33.59096  
Decimal Latitude: 33.59096      Decim Long(OSWCR): -116.25889  
Decimal Longitude: -116.25889  
Location:  
City: Coachella  
County: Riverside  
Location(OSWCR):  
City(OSWCR): Coachella  
County(OSWCR): Riverside  
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	-	0.00	0.00	171.79	WATER WELLS

WCR No: WCR1995-012183      Decimal Lat(OSWCR): 33.59096  
Decimal Latitude: 33.59096      Decim Long(OSWCR): -116.25889  
Decimal Longitude: -116.25889  
Location:  
City: Coachella  
County: Riverside  
Location(OSWCR):  
City(OSWCR): Coachella  
County(OSWCR): Riverside  
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
1	-	0.00	0.00	171.79	WATER WELLS
<div> <div>WCR No:</div> <div>WCR1995-012265</div> <div>Decimal Lat(OSWCR):</div> <div>33.59096</div> </div> <div> <div>Decimal Latitude:</div> <div>33.59096</div> <div>Decim Long(OSWCR):</div> <div>-116.25889</div> </div> <div> <div>Decimal Longitude:</div> <div>-116.25889</div> </div> <div> <div>Location:</div> <div>HWY 86, 62 AVE, MONROE</div> </div> <div> <div>City:</div> <div>Coachella</div> </div> <div> <div>County:</div> <div>Riverside</div> </div> <div> <div>Location(OSWCR):</div> <div>HWY 86, 62 AVE, MONROE</div> </div> <div> <div>City(OSWCR):</div> <div>Coachella</div> </div> <div> <div>County(OSWCR):</div> <div>Riverside</div> </div> <div> <div>Original Source:</div> <div>California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports</div> </div>					
Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	N	0.02	79.64	97.42	WATER WELLS
<div> <div>WCR No:</div> <div>WCR1945-000506</div> <div>Decimal Lat(OSWCR):</div> <div>33.60546</div> </div> <div> <div>Decimal Latitude:</div> <div>33.60546</div> <div>Decim Long(OSWCR):</div> <div>-116.25915</div> </div> <div> <div>Decimal Longitude:</div> <div>-116.25915</div> </div> <div> <div>Location:</div> <div>AVE 60, MADISON ST</div> </div> <div> <div>City:</div> <div></div> </div> <div> <div>County:</div> <div>Riverside</div> </div> <div> <div>Location(OSWCR):</div> <div>AVE 60, MADISON ST</div> </div> <div> <div>City(OSWCR):</div> <div></div> </div> <div> <div>County(OSWCR):</div> <div>Riverside</div> </div> <div> <div>Original Source:</div> <div>California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports</div> </div>					
Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	N	0.02	79.64	97.42	WATER WELLS
<div> <div>WCR No:</div> <div>WCR2009-009328</div> <div>Decimal Lat(OSWCR):</div> <div>33.60546</div> </div> <div> <div>Decimal Latitude:</div> <div>33.60546</div> <div>Decim Long(OSWCR):</div> <div>-116.25915</div> </div> <div> <div>Decimal Longitude:</div> <div>-116.25915</div> </div> <div> <div>Location:</div> <div>Avenue 60 &amp; Madison street</div> </div> <div> <div>City:</div> <div>La Quinta</div> </div> <div> <div>County:</div> <div>Riverside</div> </div> <div> <div>Location(OSWCR):</div> <div>Avenue 60 &amp; Madison street</div> </div> <div> <div>City(OSWCR):</div> <div>La Quinta</div> </div> <div> <div>County(OSWCR):</div> <div>Riverside</div> </div> <div> <div>Original Source:</div> <div>California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports</div> </div>					

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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## Wells and Additional Sources Detail Report

2 N 0.02 79.64 97.42 WATER WELLS

WCR No: WCR2009-009460 Decimal Lat(OSWCR): 33.60546  
 Decimal Latitude: 33.60546 Decim Long(OSWCR): -116.25915  
 Decimal Longitude: -116.25915  
 Location: Avenue 60 & Madison street  
 City: La Quinta  
 County: Riverside  
 Location(OSWCR): Avenue 60 & Madison street  
 City(OSWCR): La Quinta  
 County(OSWCR): Riverside  
 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 0.02 79.64 97.42 WATER WELLS

WCR No: WCR1960-002039 Decimal Lat(OSWCR): 33.60546  
 Decimal Latitude: 33.60546 Decim Long(OSWCR): -116.25915  
 Decimal Longitude: -116.25915  
 Location: JEFFERSON, AVE 60  
 City:  
 County: Riverside  
 Location(OSWCR): JEFFERSON, AVE 60  
 City(OSWCR):  
 County(OSWCR): Riverside  
 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 ESE 0.50 2,631.30 -16.66 WATER WELLS

WCR No: WCR1986-011794 Decimal Lat(OSWCR): 33.59098  
 Decimal Latitude: 33.59098 Decim Long(OSWCR): -116.2417  
 Decimal Longitude: -116.2417  
 Location: Monroe Avenue & Avenue 62  
 City:  
 County: Riverside  
 Location(OSWCR): Monroe Avenue & Avenue 62  
 City(OSWCR):  
 County(OSWCR): Riverside  
 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 ESE 0.50 2,631.30 -16.66 WATER WELLS

## Wells and Additional Sources Detail Report

WCR No:	WCR1984-008323	Decimal Lat(OSWCR):	33.59098
Decimal Latitude:	33.59098	Decim Long(OSWCR):	-116.2417
Decimal Longitude:	-116.2417		
Location:	Monroe Avenue & Avenue 62		
City:			
County:	Riverside		
Location(OSWCR):	Monroe Avenue & Avenue 62		
City(OSWCR):			
County(OSWCR):	Riverside		
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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No:	WCR1993-012670	Decimal Lat(OSWCR):	33.59098
Decimal Latitude:	33.59098	Decim Long(OSWCR):	-116.2417
Decimal Longitude:	-116.2417		
Location:	MONROE ST		
City:	Thermal		
County:	Riverside		
Location(OSWCR):	MONROE ST		
City(OSWCR):	Thermal		
County(OSWCR):	Riverside		
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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No:	WCR1994-013207	Decimal Lat(OSWCR):	33.59098
Decimal Latitude:	33.59098	Decim Long(OSWCR):	-116.2417
Decimal Longitude:	-116.2417		
Location:	S OF AVE 62, E SIDE DIKE #4		
City:	Coachella		
County:	Riverside		
Location(OSWCR):	S OF AVE 62, E SIDE DIKE #4		
City(OSWCR):	Coachella		
County(OSWCR):	Riverside		
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	ESE	0.50	2,631.30	-16.66	WATER WELLS

## Wells and Additional Sources Detail Report

WCR No:	WCR1993-010976	Decimal Lat(OSWCR):	33.59098
Decimal Latitude:	33.59098	Decim Long(OSWCR):	-116.2417
Decimal Longitude:	-116.2417		
Location:	63771 MONROE ST		
City:	Thermal		
County:	Riverside		
Location(OSWCR):	63771 MONROE ST		
City(OSWCR):	Thermal		
County(OSWCR):	Riverside		
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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No:	WCR1995-012262	Decimal Lat(OSWCR):	33.59098
Decimal Latitude:	33.59098	Decim Long(OSWCR):	-116.2417
Decimal Longitude:	-116.2417		
Location:	DYKE, 62ND AVE, MONROE, HWY 86		
City:	Coachella		
County:	Riverside		
Location(OSWCR):	DYKE, 62ND AVE, MONROE, HWY 86		
City(OSWCR):	Coachella		
County(OSWCR):	Riverside		
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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No:	WCR1995-012181	Decimal Lat(OSWCR):	33.59098
Decimal Latitude:	33.59098	Decim Long(OSWCR):	-116.2417
Decimal Longitude:	-116.2417		
Location:	AVE 62 1/2 MILE PAST MONROE ST		
City:	Coachella		
County:	Riverside		
Location(OSWCR):	AVE 62 1/2 MILE PAST MONROE ST		
City(OSWCR):	Coachella		
County(OSWCR):	Riverside		
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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No:	WCR1995-012261	Decimal Lat(OSWCR):	33.59098
Decimal Latitude:	33.59098	Decim Long(OSWCR):	-116.2417

## Wells and Additional Sources Detail Report

Decimal Longitude: -116.2417  
 Location: AVE 62, MONROE  
 City: Coachella  
 County: Riverside  
 Location(OSWCR): AVE 62, MONROE  
 City(OSWCR): Coachella  
 County(OSWCR): Riverside  
 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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No: WCR1994-013208  
 Decimal Latitude: 33.59098  
 Decimal Longitude: -116.2417  
 Location: AVE 62, E SIDE OF DIKE #4  
 City: Coachella  
 County: Riverside  
 Location(OSWCR): AVE 62, E SIDE OF DIKE #4  
 City(OSWCR): Coachella  
 County(OSWCR): Riverside  
 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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No: WCR1995-012260  
 Decimal Latitude: 33.59098  
 Decimal Longitude: -116.2417  
 Location: AVE 62, MONROE ST  
 City: Coachella  
 County: Riverside  
 Location(OSWCR): AVE 62, MONROE ST  
 City(OSWCR): Coachella  
 County(OSWCR): Riverside  
 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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No: WCR1993-013299  
 Decimal Latitude: 33.59098  
 Decimal Longitude: -116.2417  
 Location: MONROE ST, AVE 64

## Wells and Additional Sources Detail Report

City: Thermal  
 County: Riverside  
 Location(OSWCR): MONROE ST, AVE 64  
 City(OSWCR): Thermal  
 County(OSWCR): Riverside  
 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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No: WCR1995-012177  
 Decimal Latitude: 33.59098  
 Decimal Longitude: -116.2417  
 Location: AVE 62, E SIDE OF DIKE #4  
 City: Coachella  
 County: Riverside  
 Location(OSWCR): AVE 62, E SIDE OF DIKE #4  
 City(OSWCR): Coachella  
 County(OSWCR): Riverside  
 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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No: WCR1995-012263  
 Decimal Latitude: 33.59098  
 Decimal Longitude: -116.2417  
 Location: DYKE #4, 62ND AVE, MONROE, HWY 86  
 City: Coachella  
 County: Riverside  
 Location(OSWCR): DYKE #4, 62ND AVE, MONROE, HWY 86  
 City(OSWCR): Coachella  
 County(OSWCR): Riverside  
 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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No: WCR1995-012179  
 Decimal Latitude: 33.59098  
 Decimal Longitude: -116.2417  
 Location: AVE 62, E SIDE OF DIKE #4  
 City: Coachella  
 County: Riverside

## Wells and Additional Sources Detail Report

Location(OSWCR): AVE 62, E SIDE OF DIKE #4  
City(OSWCR): Coachella  
County(OSWCR): Riverside  
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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No: WCR1994-013277      Decimal Lat(OSWCR): 33.59098  
Decimal Latitude: 33.59098      Decim Long(OSWCR): -116.2417  
Decimal Longitude: -116.2417  
Location: AVE 62, HWY 86, 62ND AVE  
City: Coachella  
County: Riverside  
Location(OSWCR): AVE 62, HWY 86, 62ND AVE  
City(OSWCR): Coachella  
County(OSWCR): Riverside  
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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No: WCR1994-013278      Decimal Lat(OSWCR): 33.59098  
Decimal Latitude: 33.59098      Decim Long(OSWCR): -116.2417  
Decimal Longitude: -116.2417  
Location: DYKE, 62ND AVE, MONROE ST, HWY 86  
City: Coachella  
County: Riverside  
Location(OSWCR): DYKE, 62ND AVE, MONROE ST, HWY 86  
City(OSWCR): Coachella  
County(OSWCR): Riverside  
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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No: WCR1984-008322      Decimal Lat(OSWCR): 33.59098  
Decimal Latitude: 33.59098      Decim Long(OSWCR): -116.2417  
Decimal Longitude: -116.2417  
Location: Monroe Avenue & Avenue 62  
City: Coachella  
County: Riverside  
Location(OSWCR): Monroe Avenue & Avenue 62  
City(OSWCR): Coachella

## Wells and Additional Sources Detail Report

County(OSWCR): Riverside  
 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	ESE	0.50	2,631.30	-16.66	WATER WELLS

WCR No: WCR1995-012178      Decimal Lat(OSWCR): 33.59098  
 Decimal Latitude: 33.59098      Decim Long(OSWCR): -116.2417  
 Decimal Longitude: -116.2417  
 Location: AVE 62, E SIDE OF DIKE #4  
 City: Coachella  
 County: Riverside  
 Location(OSWCR): AVE 62, E SIDE OF DIKE #4  
 City(OSWCR): Coachella  
 County(OSWCR): Riverside  
 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
4	ENE	0.50	2,663.53	-49.45	WATER WELLS

WCR No: WCR2001-015687      Decimal Lat(OSWCR): 33.60562  
 Decimal Latitude: 33.60562      Decim Long(OSWCR): -116.24189  
 Decimal Longitude: -116.24189  
 Location: 62nd Ave & Monroe St  
 City: La Quinta  
 County: Riverside  
 Location(OSWCR): 62nd Ave & Monroe St  
 City(OSWCR): La Quinta  
 County(OSWCR): Riverside  
 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
4	ENE	0.50	2,663.53	-49.45	WATER WELLS

WCR No: WCR1956-002008      Decimal Lat(OSWCR): 33.60562  
 Decimal Latitude: 33.60562      Decim Long(OSWCR): -116.24189  
 Decimal Longitude: -116.24189  
 Location:  
 City:  
 County: Riverside  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Riverside  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

# Wells and Additional Sources Detail Report

## Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	ENE	0.50	2,663.53	-49.45	WATER WELLS
<div> <div>WCR No:</div> <div>WCR1964-001989</div> <div>Decimal Lat(OSWCR):</div> <div>33.60562</div> </div> <div> <div>Decimal Latitude:</div> <div>33.60562</div> <div>Decim Long(OSWCR):</div> <div>-116.24189</div> </div> <div> <div>Decimal Longitude:</div> <div>-116.24189</div> </div> <div> <div>Location:</div> <div>MONROE ST, AVE 62</div> </div> <div> <div>City:</div> <div></div> </div> <div> <div>County:</div> <div>Riverside</div> </div> <div> <div>Location(OSWCR):</div> <div>MONROE ST, AVE 62</div> </div> <div> <div>City(OSWCR):</div> <div></div> </div> <div> <div>County(OSWCR):</div> <div>Riverside</div> </div> <div> <div>Original Source:</div> <div>California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports</div> </div>					

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	ENE	0.50	2,663.53	-49.45	WATER WELLS
<div> <div>WCR No:</div> <div>WCR2005-013912</div> <div>Decimal Lat(OSWCR):</div> <div>33.60562</div> </div> <div> <div>Decimal Latitude:</div> <div>33.60562</div> <div>Decim Long(OSWCR):</div> <div>-116.24189</div> </div> <div> <div>Decimal Longitude:</div> <div>-116.24189</div> </div> <div> <div>Location:</div> <div>Madison &amp; 60th Avenue</div> </div> <div> <div>City:</div> <div>La Quinta</div> </div> <div> <div>County:</div> <div>Riverside</div> </div> <div> <div>Location(OSWCR):</div> <div>Madison &amp; 60th Avenue</div> </div> <div> <div>City(OSWCR):</div> <div>La Quinta</div> </div> <div> <div>County(OSWCR):</div> <div>Riverside</div> </div> <div> <div>Original Source:</div> <div>California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports</div> </div>					

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	ENE	0.50	2,663.53	-49.45	WATER WELLS
<div> <div>WCR No:</div> <div>WCR1995-012180</div> <div>Decimal Lat(OSWCR):</div> <div>33.60562</div> </div> <div> <div>Decimal Latitude:</div> <div>33.60562</div> <div>Decim Long(OSWCR):</div> <div>-116.24189</div> </div> <div> <div>Decimal Longitude:</div> <div>-116.24189</div> </div> <div> <div>Location:</div> <div>AVE 62 1/2 MILE PAST MONROE</div> </div> <div> <div>City:</div> <div>Coachella</div> </div> <div> <div>County:</div> <div>Riverside</div> </div> <div> <div>Location(OSWCR):</div> <div>AVE 62 1/2 MILE PAST MONROE</div> </div> <div> <div>City(OSWCR):</div> <div>Coachella</div> </div> <div> <div>County(OSWCR):</div> <div>Riverside</div> </div> <div> <div>Original Source:</div> <div>California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports</div> </div>					

## Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	ENE	0.50	2,663.53	-49.45	WATER WELLS
<div> <div>WCR No:</div> <div>WCR2003-014444</div> <div>Decimal Lat(OSWCR):</div> <div>33.60562</div> </div> <div> <div>Decimal Latitude:</div> <div>33.60562</div> <div>Decim Long(OSWCR):</div> <div>-116.24189</div> </div> <div> <div>Decimal Longitude:</div> <div>-116.24189</div> </div> <div> <div>Location:</div> <div>Trilogy Parkway</div> </div> <div> <div>City:</div> <div>La Quinta</div> </div> <div> <div>County:</div> <div>Riverside</div> </div> <div> <div>Location(OSWCR):</div> <div>Trilogy Parkway</div> </div> <div> <div>City(OSWCR):</div> <div>La Quinta</div> </div> <div> <div>County(OSWCR):</div> <div>Riverside</div> </div> <div> <div>Original Source:</div> <div>California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports</div> </div>					

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	ENE	0.50	2,663.53	-49.45	WATER WELLS
<div> <div>WCR No:</div> <div>WCR2009-009096</div> <div>Decimal Lat(OSWCR):</div> <div>33.60562</div> </div> <div> <div>Decimal Latitude:</div> <div>33.60562</div> <div>Decim Long(OSWCR):</div> <div>-116.24189</div> </div> <div> <div>Decimal Longitude:</div> <div>-116.24189</div> </div> <div> <div>Location:</div> <div>Avenue 60 &amp; Madison street</div> </div> <div> <div>City:</div> <div>La Quinta</div> </div> <div> <div>County:</div> <div>Riverside</div> </div> <div> <div>Location(OSWCR):</div> <div>Avenue 60 &amp; Madison street</div> </div> <div> <div>City(OSWCR):</div> <div>La Quinta</div> </div> <div> <div>County(OSWCR):</div> <div>Riverside</div> </div> <div> <div>Original Source:</div> <div>California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports</div> </div>					

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	ENE	0.50	2,663.53	-49.45	WATER WELLS
<div> <div>WCR No:</div> <div>WCR2001-015686</div> <div>Decimal Lat(OSWCR):</div> <div>33.60562</div> </div> <div> <div>Decimal Latitude:</div> <div>33.60562</div> <div>Decim Long(OSWCR):</div> <div>-116.24189</div> </div> <div> <div>Decimal Longitude:</div> <div>-116.24189</div> </div> <div> <div>Location:</div> <div>600' N/O 62nd Ave &amp; 1320' W/O Monroe St</div> </div> <div> <div>City:</div> <div>La Quinta</div> </div> <div> <div>County:</div> <div>Riverside</div> </div> <div> <div>Location(OSWCR):</div> <div>600' N/O 62nd Ave &amp; 1320' W/O Monroe St</div> </div> <div> <div>City(OSWCR):</div> <div>La Quinta</div> </div> <div> <div>County(OSWCR):</div> <div>Riverside</div> </div> <div> <div>Original Source:</div> <div>California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports</div> </div>					

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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## Wells and Additional Sources Detail Report

4	ENE	0.50	2,663.53	-49.45	WATER WELLS
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WCR No:	WCR1995-012254	Decimal Lat(OSWCR):	33.60562
Decimal Latitude:	33.60562	Decim Long(OSWCR):	-116.24189
Decimal Longitude:	-116.24189		
Location:	AVE 62, MONROE		
City:	Coachella		
County:	Riverside		
Location(OSWCR):	AVE 62, MONROE		
City(OSWCR):	Coachella		
County(OSWCR):	Riverside		
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
4	ENE	0.50	2,663.53	-49.45	WATER WELLS

WCR No:	WCR2009-009331	Decimal Lat(OSWCR):	33.60562
Decimal Latitude:	33.60562	Decim Long(OSWCR):	-116.24189
Decimal Longitude:	-116.24189		
Location:	Avenue 60 & Madison street		
City:	La Quinta		
County:	Riverside		
Location(OSWCR):	Avenue 60 & Madison street		
City(OSWCR):	La Quinta		
County(OSWCR):	Riverside		
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
4	ENE	0.50	2,663.53	-49.45	WATER WELLS

WCR No:	WCR2010-011786	Decimal Lat(OSWCR):	33.60562
Decimal Latitude:	33.60562	Decim Long(OSWCR):	-116.24189
Decimal Longitude:	-116.24189		
Location:	Laguna Court & Ulrich Drive		
City:	La Quinta		
County:	Riverside		
Location(OSWCR):	Laguna Court & Ulrich Drive		
City(OSWCR):	La Quinta		
County(OSWCR):	Riverside		
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
4	ENE	0.50	2,663.53	-49.45	WATER WELLS

## Wells and Additional Sources Detail Report

WCR No:	WCR2009-009330	Decimal Lat(OSWCR):	33.60562
Decimal Latitude:	33.60562	Decim Long(OSWCR):	-116.24189
Decimal Longitude:	-116.24189		
Location:	Avenue 60 & Madison street		
City:	La Quinta		
County:	Riverside		
Location(OSWCR):	Avenue 60 & Madison street		
City(OSWCR):	La Quinta		
County(OSWCR):	Riverside		
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
4	ENE	0.50	2,663.53	-49.45	WATER WELLS

WCR No:	WCR2009-009329	Decimal Lat(OSWCR):	33.60562
Decimal Latitude:	33.60562	Decim Long(OSWCR):	-116.24189
Decimal Longitude:	-116.24189		
Location:	Avenue 60 & Madison street		
City:	La Quinta		
County:	Riverside		
Location(OSWCR):	Avenue 60 & Madison street		
City(OSWCR):	La Quinta		
County(OSWCR):	Riverside		
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
4	ENE	0.50	2,663.53	-49.45	WATER WELLS

WCR No:	WCR2001-015694	Decimal Lat(OSWCR):	33.60562
Decimal Latitude:	33.60562	Decim Long(OSWCR):	-116.24189
Decimal Longitude:	-116.24189		
Location:	60th Ave & Monroe St		
City:	La Quinta		
County:	Riverside		
Location(OSWCR):	60th Ave & Monroe St		
City(OSWCR):	La Quinta		
County(OSWCR):	Riverside		
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
4	ENE	0.50	2,663.53	-49.45	WATER WELLS

WCR No:	WCR2002-012789	Decimal Lat(OSWCR):	33.60562
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## Wells and Additional Sources Detail Report

Decimal Latitude: 33.60562      Decim Long(OSWCR): -116.24189  
 Decimal Longitude: -116.24189  
 Location:  
 City:  
 County: Riverside  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Riverside  
 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
4	ENE	0.50	2,663.53	-49.45	WATER WELLS

WCR No: WCR1954-002370      Decimal Lat(OSWCR): 33.60562  
 Decimal Latitude: 33.60562      Decim Long(OSWCR): -116.24189  
 Decimal Longitude: -116.24189  
 Location:  
 City:  
 County: Riverside  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Riverside  
 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
4	ENE	0.50	2,663.53	-49.45	WATER WELLS

WCR No: WCR2002-012715      Decimal Lat(OSWCR): 33.60562  
 Decimal Latitude: 33.60562      Decim Long(OSWCR): -116.24189  
 Decimal Longitude: -116.24189  
 Location: N/O 62nd Ave & E/O Monroe  
 City: La Quinta  
 County: Riverside  
 Location(OSWCR): N/O 62nd Ave & E/O Monroe  
 City(OSWCR): La Quinta  
 County(OSWCR): Riverside  
 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
5	S	0.54	2,851.27	596.13	WATER WELLS

WCR No: WCR1962-001921      Decimal Lat(OSWCR): 33.57644  
 Decimal Latitude: 33.57644      Decim Long(OSWCR): -116.25887  
 Decimal Longitude: -116.25887

## Wells and Additional Sources Detail Report

Location:

City:

County: Riverside

Location(OSWCR):

City(OSWCR):

County(OSWCR): Riverside

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
6	N	0.77	4,054.57	-23.73	WATER WELLS

WCR No: WCR1914-000102

Decimal Lat(OSWCR): 33.62008

Decimal Latitude: 33.62008

Decim Long(OSWCR): -116.25941

Decimal Longitude: -116.25941

Location:

City:

County: Riverside

Location(OSWCR):

City(OSWCR):

County(OSWCR): Riverside

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
6	N	0.77	4,054.57	-23.73	WATER WELLS

WCR No: WCR1776-010202

Decimal Lat(OSWCR): 33.62008

Decimal Latitude: 33.62008

Decim Long(OSWCR): -116.25941

Decimal Longitude: -116.25941

Location: MADISON, AVE 60

City:

County: Riverside

Location(OSWCR): MADISON, AVE 60

City(OSWCR):

County(OSWCR): Riverside

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
6	N	0.77	4,054.57	-23.73	WATER WELLS

WCR No: WCR0069931

Decimal Lat(OSWCR): 33.62008

Decimal Latitude: 33.62008

Decim Long(OSWCR): -116.25941

Decimal Longitude: -116.25941

Location:

City:

## Wells and Additional Sources Detail Report

County: Riverside  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Riverside  
 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
6	N	0.77	4,054.57	-23.73	WATER WELLS

WCR No: WCR1959-001882      Decimal Lat(OSWCR): 33.62008  
 Decimal Latitude: 33.62008      Decim Long(OSWCR): -116.25941  
 Decimal Longitude: -116.25941  
 Location: AVE 58, MADISON ST  
 City:  
 County: Riverside  
 Location(OSWCR): AVE 58, MADISON ST  
 City(OSWCR):  
 County(OSWCR): Riverside  
 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
6	N	0.77	4,054.57	-23.73	WATER WELLS

WCR No: WCR1989-019249      Decimal Lat(OSWCR): 33.62008  
 Decimal Latitude: 33.62008      Decim Long(OSWCR): -116.25941  
 Decimal Longitude: -116.25941  
 Location: AVE 58, MADISON, JEFFERSON  
 City:  
 County: Riverside  
 Location(OSWCR): AVE 58, MADISON, JEFFERSON  
 City(OSWCR):  
 County(OSWCR): Riverside  
 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
6	N	0.77	4,054.57	-23.73	WATER WELLS

WCR No: WCR1960-002094      Decimal Lat(OSWCR): 33.62008  
 Decimal Latitude: 33.62008      Decim Long(OSWCR): -116.25941  
 Decimal Longitude: -116.25941  
 Location:  
 City:  
 County: Riverside  
 Location(OSWCR):

## Wells and Additional Sources Detail Report

City(OSWCR):  
County(OSWCR): Riverside  
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
6	N	0.77	4,054.57	-23.73	WATER WELLS

WCR No: WCR1974-003958      Decimal Lat(OSWCR): 33.62008  
Decimal Latitude: 33.62008      Decim Long(OSWCR): -116.25941  
Decimal Longitude: -116.25941  
Location: JEFFERSON, AVE 58, MADISON  
City:  
County: Riverside  
Location(OSWCR): JEFFERSON, AVE 58, MADISON  
City(OSWCR):  
County(OSWCR): Riverside  
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
6	N	0.77	4,054.57	-23.73	WATER WELLS

WCR No: WCR1992-016290      Decimal Lat(OSWCR): 33.62008  
Decimal Latitude: 33.62008      Decim Long(OSWCR): -116.25941  
Decimal Longitude: -116.25941  
Location: AVE 58, JEFFERSON ST  
City: La Quinta  
County: Riverside  
Location(OSWCR): AVE 58, JEFFERSON ST  
City(OSWCR): La Quinta  
County(OSWCR): Riverside  
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
6	N	0.77	4,054.57	-23.73	WATER WELLS

WCR No: WCR1992-016289      Decimal Lat(OSWCR): 33.62008  
Decimal Latitude: 33.62008      Decim Long(OSWCR): -116.25941  
Decimal Longitude: -116.25941  
Location: AVE 58, JEFFERSON ST  
City: La Quinta  
County: Riverside  
Location(OSWCR): AVE 58, JEFFERSON ST  
City(OSWCR): La Quinta  
County(OSWCR): Riverside

## Wells and Additional Sources Detail Report

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
6	N	0.77	4,054.57	-23.73	WATER WELLS

WCR No: WCR1978-008753      Decimal Lat(OSWCR): 33.62008  
 Decimal Latitude: 33.62008      Decim Long(OSWCR): -116.25941  
 Decimal Longitude: -116.25941  
 Location: Avenue 58  
 City: La Quinta  
 County: Riverside  
 Location(OSWCR): Avenue 58  
 City(OSWCR): La Quinta  
 County(OSWCR): Riverside  
 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
6	N	0.77	4,054.57	-23.73	WATER WELLS

WCR No: WCR2002-014642      Decimal Lat(OSWCR): 33.62008  
 Decimal Latitude: 33.62008      Decim Long(OSWCR): -116.25941  
 Decimal Longitude: -116.25941  
 Location: 80-900 Calle Conchita  
 City: La Quinta  
 County: Riverside  
 Location(OSWCR): 80-900 Calle Conchita  
 City(OSWCR): La Quinta  
 County(OSWCR): Riverside  
 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
7	NNW	0.91	4,814.23	123.03	WATER WELLS

WCR No: WCR2002-014079      Decimal Lat(OSWCR): 33.62002  
 Decimal Latitude: 33.62002      Decim Long(OSWCR): -116.27682  
 Decimal Longitude: -116.27682  
 Location: 1 Quarry Lane, Jefferson St, Lake Cahuil  
 City: La Quinta  
 County: Riverside  
 Location(OSWCR): 1 Quarry Lane, Jefferson St, Lake Cahuil  
 City(OSWCR): La Quinta  
 County(OSWCR): Riverside  
 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
7	NNW	0.91	4,814.23	123.03	WATER WELLS

WCR No:	WCR1992-016288	Decimal Lat(OSWCR):	33.62002
Decimal Latitude:	33.62002	Decim Long(OSWCR):	-116.27682
Decimal Longitude:	-116.27682		
Location:	AVE 58, JEFFERSON ST		
City:	La Quinta		
County:	Riverside		
Location(OSWCR):	AVE 58, JEFFERSON ST		
City(OSWCR):	La Quinta		
County(OSWCR):	Riverside		
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
7	NNW	0.91	4,814.23	123.03	WATER WELLS

WCR No:	WCR1971-002872	Decimal Lat(OSWCR):	33.62002
Decimal Latitude:	33.62002	Decim Long(OSWCR):	-116.27682
Decimal Longitude:	-116.27682		
Location:	Tom Fazio Lane S and Remington Drive		
City:	La Quinta		
County:	Riverside		
Location(OSWCR):	Tom Fazio Lane S and Remington Drive		
City(OSWCR):	La Quinta		
County(OSWCR):	Riverside		
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
7	NNW	0.91	4,814.23	123.03	WATER WELLS

WCR No:	WCR1993-010937	Decimal Lat(OSWCR):	33.62002
Decimal Latitude:	33.62002	Decim Long(OSWCR):	-116.27682
Decimal Longitude:	-116.27682		
Location:	Ave. 58 & Madison-Lake Cahuilla Area		
City:	La Quinta		
County:	Riverside		
Location(OSWCR):	Ave. 58 & Madison-Lake Cahuilla Area		
City(OSWCR):	La Quinta		
County(OSWCR):	Riverside		
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 *RIVERSIDE* 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 *RIVERSIDE* County

No Measures/Homes:	24
Geometric Mean:	0.3
Arithmetic Mean:	0.3
Median:	0.5
Standard Deviation:	0.8
Maximum:	1.7
% >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.

## 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.

### Wells from NWIS

FED USGS

The U.S. Geological Survey's National Water Information System (NWIS) is the nation's principal repository of water resources data. The NWIS includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS dataset contains select Site Types from the overall NWIS Sites data, limited to the following Group Site Types only: Groundwater Group Site Types: Well, Collector or Ranney type well, Hyporheic-zone well,

## Appendix

Interconnected Wells, Multiple wells; Spring Group Site Type: Spring; and Other Group Site Types: Aggregate groundwater use, Cistern.

### **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 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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# **APPENDIX E**

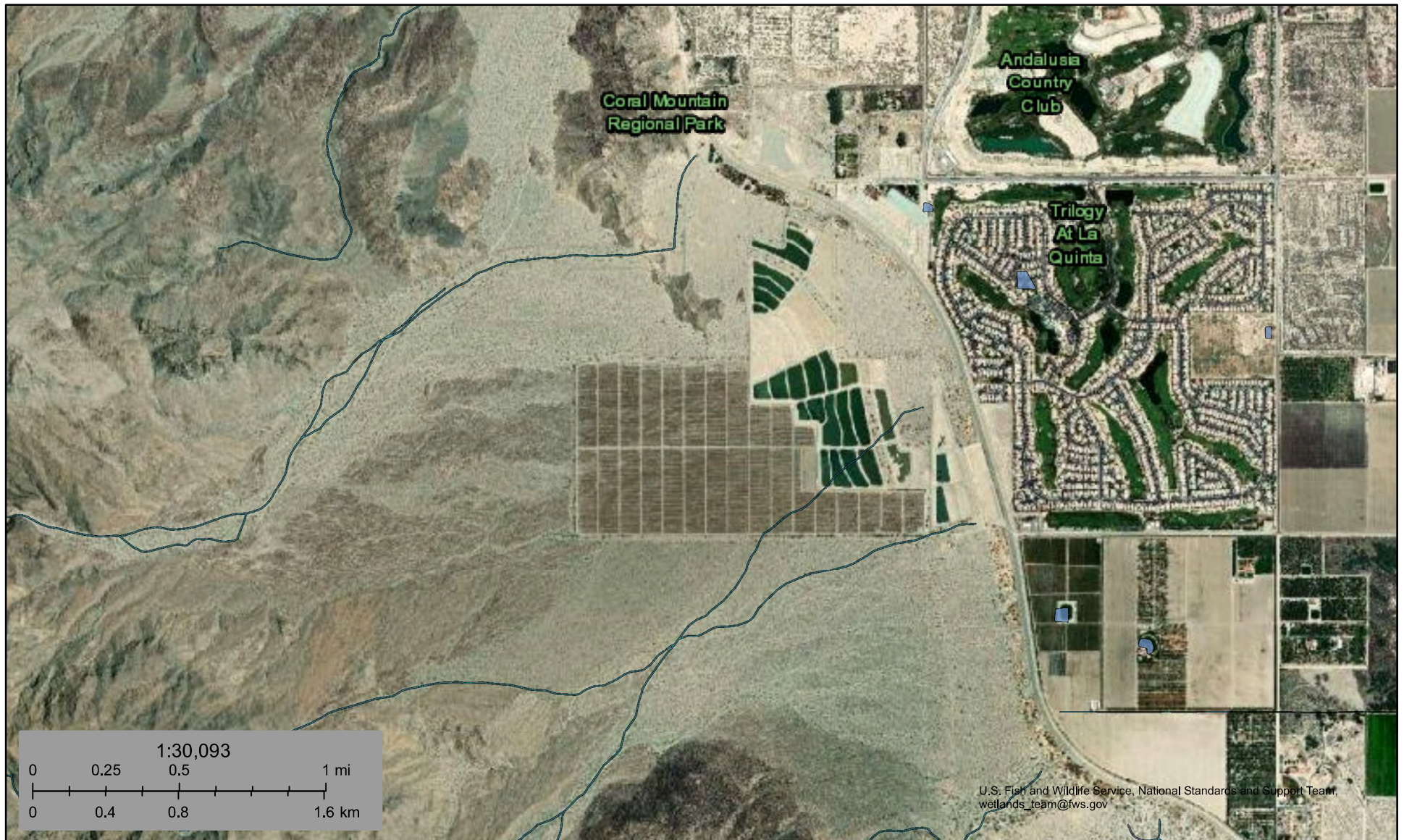
## **EXHIBIT E-2**

### **USFWS Wetlands Inventory Map**



**(888) 930-6604**

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January 11, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# **APPENDIX E**

## **EXHIBIT E-3**

### **FEMA Flood Hazard Map**



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# ATTACHMENT A

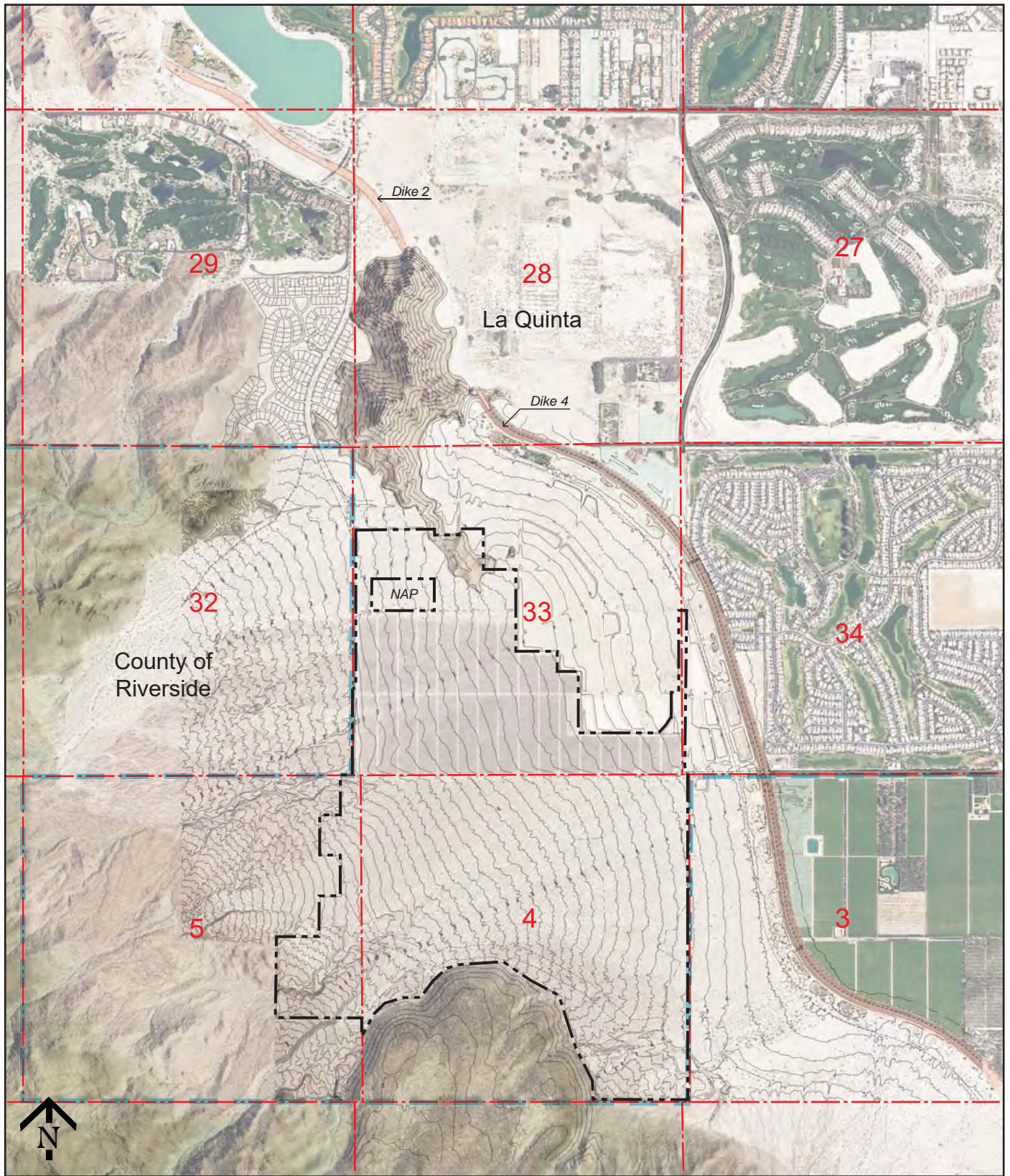
## CLIENT-PROVIDED INFORMATION

- Attachment A      Site Location Map  
Tentative Tract Map Index Sheet



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#### LEGEND

- - - Section Lines\*
- 5 Section Line Numbers
- Project Boundary

  City of La Quinta Boundary

\*The Public Land Survey System (PLSS)  
Section—one-square-mile block of land, containing 640 acres, or approximately one thirty-sixth of a township. Due to the curvature of the Earth, sections may occasionally be slightly smaller than one square mile

From USGS 7.5 Minute Series Martinez Mountain Quadrangle, CA 2015

# TENTATIVE TRACT MAP NO. 37387

PORTION OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST AND SECTIONS 4 AND 5, TOWNSHIP 7 SOUTH, RANGE 7 EAST, SBM

## EASEMENTS AND PARCELS

(SEE SHEETS M-03 & M-04 FOR EASEMENT NOTES)

EXISTING EASEMENT NUMBER	AFFECTED PARCELS
1	1 – 7
2	8 – 11, 13
3	8, 9, 11
4	1, 5, 6, 8 – 12
5	9
6	8
7	
8	3
9	7
10	(LOCATION CANNOT BE DETERMINED)
11	12
12	4, 6, 7, 14
13	(INTENTIONALLY LEFT BLANK)
14	17
15	(LOCATION CANNOT BE DETERMINED)
16	10
17	1 – 7
18	13, 14, 16, 17 (LOCATION CANNOT BE DETERMINED)
19	17 (LOCATION CANNOT BE DETERMINED)
20	15, 17
21	(LOCATION CANNOT BE DETERMINED)
22	(LOCATION CANNOT BE DETERMINED)
23	(LOCATION CANNOT BE DETERMINED)
24	(LOCATION CANNOT BE DETERMINED)
25	(LOCATION CANNOT BE DETERMINED)
26	(LOCATION CANNOT BE DETERMINED)
27	(LOCATION CANNOT BE DETERMINED)
28	(LOCATION CANNOT BE DETERMINED)
29	19

## ASSESSOR'S PARCEL NUMBER:

753-040-014, 753-040-016, 753-040-017,  
753-050-007, 753-050-029, 753-060-003,  
764-280-057, 764-280-059, 764-028-061,  
766-110-003, 766-110-004, 766-110-007,  
766-110-009, 766-120-001, 766-120-002,  
766-120-003, 766-120-006, 766-120-015,  
766-120-016, 766-120-018, 766-120-021,  
766-120-023

## SHEET INDEX:

PROJECT INDEX SHEET	I 01
TENTATIVE MAP SHEET:	
TITLE SHEET	M 01
SECTION SHEET	M 02
DETAIL SHEET	M 03
DETAIL SHEET	M 04
DETAIL SHEET	M 05
DETAIL SHEET	M 06
DETAIL SHEET	M 07
DETAIL SHEET	M 08
DETAIL SHEET	M 09
DETAIL SHEET	M 10
DETAIL SHEET	M 11
DETAIL SHEET	M 12
DETAIL SHEET	M 13
DETAIL SHEET	M 14

## EXISTING SPECIFIC PLAN:

SPECIFIC PLAN NO. 94-026 AMENDMENT NO. 1

## LAND USE:

EXISTING: VACANT  
PROPOSED: COMMERCIAL, RESIDENTIAL, GOLF COURSE AND OPEN SPACE

## GENERAL PLAN:

EXISTING: LOW DENSITY RESIDENTIAL  
MEDIUM/HIGH DENSITY RESIDENTIAL  
TOURIST COMMERCIAL  
OPEN SPACE – RECREATION  
OPEN SPACE – NATURAL  
GENERAL COMMERCIAL  
MASTER PLANNED ROADWAYS  
PROPOSED: LOW DENSITY RESIDENTIAL  
MEDIUM/HIGH DENSITY RESIDENTIAL  
TOURIST COMMERCIAL  
OPEN SPACE – RECREATION  
OPEN SPACE – NATURAL  
MASTER PLANNED ROADWAYS

## ZONING:

EXISTING: LOW DENSITY RESIDENTIAL  
MEDIUM/HIGH DENSITY RESIDENTIAL  
NEIGHBORHOOD COMMERCIAL  
TOURIST COMMERCIAL  
GOLF COURSE  
OPEN SPACE  
MASTER PLANNED ROADWAYS  
PROPOSED: LOW DENSITY RESIDENTIAL  
MEDIUM DENSITY RESIDENTIAL  
TOURIST COMMERCIAL  
OPEN SPACE  
MASTER PLANNED ROADWAYS

## AREA:

GROSS AREA: 37,261,904 SF/ 855.4 AC

LIMITS OF GRADING: 22,826,008 SF/ 524.0 AC

## LEGAL DESCRIPTION

FIRST AMERICAN TITLE COMPANY ORDER NUMBER: NHSC-6717950  
DATE: JANUARY 11, 2022

### PARCEL 1: (APN'S: 766-110-003 AND 766-120-001)

THE WESTERLY 300.00 FEET OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO UNITED STATES GOVERNMENT SURVEY THEREOF; EXCEPTING THEREFROM THAT PORTION DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF SAID SECTION 33;  
THENCE NORTHERLY ALONG THE WESTERLY LINE THEREOF, 1452.00 FEET;  
THENCE EASTERLY AT RIGHT ANGLES TO SAID WESTERLY LINE, 300.00 FEET;  
THENCE SOUTHERLY AT RIGHT ANGLES, 1452.00 FEET TO THE SOUTHERLY LINE OF SAID SECTION 33;  
THENCE WESTERLY ALONG SAID SOUTHERLY LINE 300.00 FEET TO THE POINT OF BEGINNING;

ALSO EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE UNITED STATES OF AMERICA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WEST LINE OF SAID SECTION 33, THE NORTHWEST CORNER OF SAID SECTION 33 BEARS NORTH 00 DEG 01' 00" WEST, 920.00 FEET;  
THENCE NORTH 89 DEG 26' 27" EAST 300 FEET;  
THENCE SOUTH 00 DEG 01' 00" EAST 400.00 FEET;  
THENCE SOUTH 89 DEG 29' 45" WEST 300.00 FEET TO THE SOUTHWEST CORNER OF SAID NORTHWEST 1/4 OF THE NORTHWEST 1/4;  
THENCE NORTH 00 DEG 01' 00" WEST 400.00 FEET ALONG THE WEST LINE OF SAID SECTION 33 TO THE POINT OF BEGINNING;

ALSO EXCEPTING THEREFROM THAT PORTION LYING NORTHERLY OF THE FOLLOWING DESCRIBED LINE:

BEGINNING AT A POINT ON THE WESTERLY LINE OF SAID SECTION 33, DISTANT THEREON SOUTH 0 DEG 01' 00" EAST, 1320.00 FEET FROM THE NORTHWEST CORNER THEREOF;  
THENCE NORTH 89 DEG 29' 45" EAST, 300.00 FEET TO THE EASTERLY LINE OF THE WESTERLY 300.00 FEET OF SAID SECTION 33;

ALSO EXCEPTING THEREFROM THE WESTERLY 30.00 FEET THEREOF.

### PARCEL 2: (APN: 766-110-004)

THE NORTH 3/5 OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, AS SHOWN BY UNITED STATES GOVERNMENT SURVEY. THE SOUTH LINE OF SAID NORTH 3/5 BEING PARALLEL TO THE NORTH LINE OF THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 33;

EXCEPT THE WESTERLY 300.00 FEET THEREOF.

### PARCEL 3: (APN: 766-110-007)

THE WEST 3/5TH OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, AS SHOWN BY UNITED STATES GOVERNMENT SURVEY. THE EAST LINE OF SAID WEST 3/5 BEING PARALLEL TO THE WEST LINE OF SAID SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 33;

EXCEPTING THEREFROM THE NORTHERLY 100.00 FEET OF THE WESTERLY 400.00 FEET THEREOF;

ALSO EXCEPTING THEREFROM AN UNDIVIDED HALF INTEREST IN AND TO ALL OIL, GAS AND HYDROCARBON SUBSTANCES AND ALL MINERALS, WHETHER METALLIC OR NON-METALLIC, IN, UNDER OR ON, OR WHICH MAY BE PRODUCED, EXTRACTED OR REMOVED FROM SAID LANDS, WHICH INTEREST IS SO LIMITED, HOWEVER, THAT THE OWNERS THEREOF HAVE NO RIGHT OF INGRESS, EGRESS OR REGRESS IN, OVER OR ACROSS, OR RIGHT TO DRILL, EXPLORE FOR, MINE OR REMOVE SAID OIL, GAS AND OTHER HYDROCARBON SUBSTANCES AND MINERALS BY OPERATIONS ON THE SURFACE OF SAID LAND, BUT HAVE THE RIGHT TO EXPLORE FOR, MINE AND REMOVE SAID OIL, GAS AND OTHER HYDROCARBON SUBSTANCES AND MINERALS FROM SAID REAL PROPERTY A DEPTH OF FIVE HUNDRED FEET OR MORE BELOW THE SURFACE OF SAID REAL PROPERTY BY SLANT DRILLING, SHAFTS, TUNNELS, OR OTHER MEANS OR OPERATIONS ON OR FROM LAND OTHER THAN SAID LAND.

### PARCEL 3A:

A NON-EXCLUSIVE EASEMENT OVER, UNDER AND UPON EACH OF THE TWO STRIPS OF REAL PROPERTY HEREINAFTER DESCRIBED FOR THE CONSTRUCTION, MAINTENANCE, REPAIR, REPLACEMENT AND USE FOR ALL PEDESTRIAN AND VEHICULAR TRAFFIC OF A ROAD AND OF WATER AND ELECTRICITY TRANSMISSION PIPES, LINES AND ALL EQUIPMENT AND FACILITIES, AND OTHER UTILITIES;

SAID STRIPS OF REAL PROPERTY ARE DESCRIBED AS FOLLOWS:

THE WESTERLY 30.00 FEET AND THE SOUTHERLY 30.00 FEET OF THE NORTHEAST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO UNITED STATES GOVERNMENT SURVEY THEREOF;

EXCEPTING THEREFROM THE NORTHERLY AND EASTERLY 30.00 FEET THEREOF.

### PARCEL 4: (APN: 766-110-009)

THE SOUTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, AS SHOWN BY UNITED STATES GOVERNMENT SURVEY THEREOF;

EXCEPTING THEREFROM AN UNDIVIDED HALF INTEREST IN AND TO ALL OIL, GAS AND HYDROCARBON SUBSTANCES AND ALL MINERALS, WHETHER METALLIC OR NON-METALLIC, IN, UNDER OR ON, OR WHICH MAY BE PRODUCED, EXTRACTED OR REMOVED FROM SAID LANDS, WHICH INTEREST IS SO LIMITED, HOWEVER, THAT THE OWNERS THEREOF HAVE NO RIGHT OF INGRESS, EGRESS OR REGRESS IN, OVER OR ACROSS, OR RIGHT TO DRILL, EXPLORE FOR, MINE OR REMOVE SAID OIL, GAS AND OTHER HYDROCARBON SUBSTANCES AND MINERALS BY OPERATIONS ON THE SURFACE OF SAID LAND, BUT HAVE THE RIGHT TO EXPLORE FOR, MINE AND REMOVE SAID OIL, GAS AND OTHER HYDROCARBON SUBSTANCES AND MINERALS FROM SAID REAL PROPERTY A DEPTH OF FIVE HUNDRED FEET OR MORE BELOW THE SURFACE OF SAID REAL PROPERTY BY SLANT DRILLING, SHAFTS, TUNNELS, OR OTHER MEANS OR OPERATIONS ON OR FROM LAND OTHER THAN SAID LAND.

### PARCEL 5: (APN: 766-120-002)

THAT PORTION OF THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO UNITED STATES GOVERNMENT SURVEY THEREOF, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID SECTION 33;  
THENCE NORTHERLY ALONG THE WESTERLY LINE THEREOF, 1452.00 FEET; THENCE EASTERLY AT RIGHT ANGLES TO SAID WESTERLY LINE, 300.00 FEET;  
THENCE SOUTHERLY AT RIGHT ANGLES, 1452.00 FEET TO THE SOUTHERLY LINE OF SAID SECTION 33;  
THENCE WESTERLY ALONG SAID SOUTHERLY LINE 300.00 FEET TO THE POINT OF BEGINNING.

### PARCEL 6: (APN: 766-120-003)

THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO THE UNITED STATES GOVERNMENT SURVEY THEREOF;

EXCEPTING THEREFROM THE WESTERLY 300 FEET THEREOF;

ALSO EXCEPTING AN UNDIVIDED THREE-SIXTHS (3/6) INTEREST IN AND TO ALL OIL, GAS, AND OTHER HYDROCARBON SUBSTANCES, AND ALL MINERALS, WHETHER METALLIC OR NONMETALLIC, IN, UNDER OR ON OR WHICH MAY BE PRODUCED, EXTRACTED OR REMOVED FROM SAID REAL PROPERTY.

### PARCEL 7: (APN: 766-120-015)

THE SOUTH HALF OF THE SOUTH HALF OF THE SOUTHEAST QUARTER, AND THE WEST 880 FEET OF THE NORTH HALF OF THE SOUTH HALF OF THE SOUTHEAST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN.

### PARCEL 8: (APN: 753-050-007)

THE SOUTH HALF OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5, TOWNSHIP 7 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO UNITED STATES GOVERNMENT SURVEY THEREOF.

### PARCEL 9: (APN: 753-040-017)

THE EAST HALF OF THE EAST HALF OF THE EAST HALF OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 7 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO UNITED STATES GOVERNMENT SURVEY THEREOF.

### PARCEL 10: (APN: 753-040-014)

THE WEST HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 7 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO UNITED STATES GOVERNMENT SURVEY THEREOF.

### PARCEL 11: (APN: 753-050-029)

THE NORTH HALF OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 5, TOWNSHIP 7 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN.

### PARCEL 12: (APN: 753-060-003)

ALL OF SECTION 4, TOWNSHIP 7 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN,

ACCORDING TO UNITED STATES GOVERNMENT SURVEY THEREOF; EXCEPTING THEREFROM THAT PORTION DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID SECTION 4;  
THENCE SOUTH 89 DEG 50' 58" EAST ALONG THE SOUTHERLY LINE OF SAID SECTION 4 A DISTANCE OF 2644.21 FEET TO THE SOUTH QUARTER CORNER OF SECTION 4;  
THENCE SOUTH 89 DEG 49' 39" EAST CONTINUING ALONG SAID SOUTHERLY LINE OF SECTION 4 A DISTANCE OF 1091.02 FEET;  
THENCE NORTH 01 DEG 08' 54" WEST A DISTANCE OF 301.93 FEET;  
THENCE NORTH 26 DEG 40' 44" WEST A DISTANCE OF 583.47 FEET;  
THENCE NORTH 18 DEG 03' 05" WEST A DISTANCE OF 913.94 FEET;  
THENCE NORTH 62 DEG 19' 09" WEST A DISTANCE OF 523.06 FEET;  
THENCE NORTH 55 DEG 53' 25" WEST A DISTANCE OF 545.46 FEET;  
THENCE SOUTH 86 DEG 15' 16" WEST A DISTANCE OF 668.56 FEET;  
THENCE SOUTH 74 DEG 18' 58" WEST A DISTANCE OF 248.98 FEET;  
THENCE SOUTH 47 DEG 47' 20" WEST A DISTANCE OF 285.54 FEET;  
THENCE SOUTH 37 DEG 17' 03" WEST A DISTANCE OF 352.51 FEET;  
THENCE SOUTH 89 DEG 55' 17" WEST A DISTANCE OF 268.28 FEET;  
THENCE SOUTH 73 DEG 28' 11" WEST A DISTANCE OF 330.60 FEET;  
THENCE SOUTH 44 DEG 46' 57" WEST A DISTANCE OF 235.15 FEET;  
THENCE SOUTH 28' 57' 52" WEST A DISTANCE OF 399.38 FEET;  
THENCE SOUTH 13 DEG 40' 56" WEST A DISTANCE OF 38.51 FEET MORE OR LESS TO THE WESTERLY LINE OF SAID SECTION 4;  
THENCE SOUTH 00 DEG 55' 20" EAST ALONG SAID WESTERLY LINE A DISTANCE OF 999.40 FEET TO THE POINT OF BEGINNING;

EXCEPTING THEREFROM ALL OIL, GAS AND OTHER MINERAL DEPOSITS, TOGETHER WITH THE RIGHT TO PROSPECT FOR, MINE, AND REMOVE THE SAME, ACCORDING TO THE PROVISIONS OF THE ACT OF CONGRESS APPROVED JUNE 1, 1938 (52 STAT. 609), AS RESERVED IN THE PATENT RECORDED SEPTEMBER 18, 1992 AS INSTRUMENT NO. 352836 OFFICIAL RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

### PARCEL 13: (APN: 753-040-016)

THE WEST HALF OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 5, TOWNSHIP 7 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO UNITED STATES GOVERNMENT SURVEY THEREOF.

EXCEPTING THEREFROM 1/2 OF ALL MINERAL RIGHTS BY DEED RECORDED DECEMBER 12, 1984 AS INSTRUMENT NO. 84-265643 OF OFFICIAL RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

### PARCEL 14: (APN'S: 766-120-006 AND 766-120-016)

THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER, AND THE SOUTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO BASE AND MERIDIAN, ACCORDING TO UNITED STATES GOVERNMENT SURVEY THEREOF.

EXCEPTING THEREFROM, THAT PORTION CONVEYED TO COACHELLA VALLEY WATER DISTRICT, PER DOCUMENT RECORDED NOVEMBER 12, 2008 AS INSTRUMENT NO. 2008-0597136, OF OFFICIAL RECORDS.

### PARCEL 15: (APN: 766-120-018)

BEING A PORTION OF PROPERTY AS DESCRIBED IN PARCEL 3 OF QUITCLAIM DEED RECORDED MARCH 2, 2006 AS INSTRUMENT NO. 2006-0152345, OFFICIAL RECORDS OF RIVERSIDE COUNTY, STATE OF CALIFORNIA, LOCATED WITHIN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO MERIDIAN (S.B.M.), BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

PARCEL "A"

COMMENCING AT THE CENTER-SOUTH ONE SIXTEEN CORNER OF SAID SECTION 33;

THENCE NORTH 89°46'28" EAST 880.00 FEET ALONG THE NORTH LINE OF THE SOUTH ONE HALF OF THE SOUTHEAST QUARTER OF SAID SECTION 33 TO THE TRUE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID NORTH LINE NORTH 89°46'28" EAST 121.48 FEET; THENCE LEAVING SAID NORTH LINE SOUTH 00°11'01" EAST 660.95 FEET;  
THENCE ALONG THE SOUTH LINE OF THE NORTH ONE HALF OF THE SOUTH ONE HALF OF THE SOUTHEAST QUARTER OF SAID SECTION 33 SOUTH LINE SOUTH 89°47'10" WEST 121.48 FEET;

THENCE LEAVING SAID SOUTH LINE NORTH 00°11'01" WEST 660.92 FEET TO THE TRUE POINT OF BEGINNING.

### PARCEL 16: (APN: 766-120-021)

BEING A PORTION OF PROPERTY AS DESCRIBED IN QUITCLAIM DEED RECORDED MARCH 12, 2008 AS INSTRUMENT NO. 2008-0121018, OFFICIAL RECORDS OF RIVERSIDE COUNTY, STATE OF CALIFORNIA, LOCATED WITHIN THE SOUTHEAST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO MERIDIAN (S.B.M.), BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

PARCEL "A"

COMMENCING AT THE SOUTHEAST CORNER OF THAT REAL PROPERTY AS DESCRIBED IN SAID INSTRUMENT NO. 2008-0121018, ALSO BEING A POINT ON THE EAST SECTION LINE OF SAID SECTION 33;

THENCE SOUTH 89°47'10" WEST 129.91 FEET ALONG THE NORTH LINE OF THE SOUTH ONE HALF OF THE SOUTH ONE HALF OF THE SOUTHEAST QUARTER OF SAID SECTION 33 TO THE TRUE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID NORTH LINE SOUTH 89°47'10" WEST 224.62 FEET TO THE BEGINNING OF A CURVE CONCAVE WESTERLY AND HAVING A RADIUS OF 802.00 FEET, A LINE RADIAL TO SAID CURVE AT SAID POINT BEARS NORTH 38°23'25" WEST;

THENCE NORTHEASTERLY ALONG THE ARC OF SAID CURVE AN ARC DISTANCE OF 360.07 FEET THROUGH A CENTRAL ANGLE OF 25°43'25", A LINE RADIAL TO SAID CURVE AT SAID POINT BEARS SOUTH 64°06'50" EAST;

THENCE SOUTH 00°14'08" EAST 277.63 FEET TO THE TRUE POINT OF BEGINNING.

### PARCEL 17: (APN: 766-120-023)

THAT PORTION OF THE PROPERTY DESCRIBED IN QUITCLAIM DEED RECORDED MARCH 2, 2006 AS

INSTRUMENT NO. 2006-0152345, AS PARCEL 5, OFFICIAL RECORDS, RIVERSIDE COUNTY, CALIFORNIA, LYING WITHIN THE SOUTHEAST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO MERIDIAN (S.B.M.), BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 33;

THENCE NORTH 00°14'08" WEST 661.28 FEET ALONG THE EAST LINE OF SAID SECTION 33 TO THE SOUTHEAST CORNER OF SAID PROPERTY, ALSO BEING THE TRUE POINT OF BEGINNING;

THENCE LEAVING SAID EAST LINE SOUTH 89°47'10" WEST 129.91 FEET ALONG THE SOUTH LINE OF SAID PROPERTY;

THENCE LEAVING SAID SOUTH LINE NORTH 00°14'08" WEST 661.25 FEET TO A POINT ON THE NORTH LINE OF SAID PROPERTY;

THENCE NORTH 89°46'28" EAST 129.92 FEET ALONG SAID NORTH LINE TO THE NORTHEAST CORNER THEREOF, ALSO BEING A POINT ON THE EAST LINE OF SAID SECTION 33;

THENCE SOUTH 00°14'08" EAST 661.28 FEET TO THE TRUE POINT OF BEGINNING.

### PARCEL 18: (APN: 764-280-057)

THAT PORTION OF THE PROPERTY DESCRIBED IN GRANT DEED RECORDED FEBRUARY 10, 2005 AS INSTRUMENT NO. 2005-0113798, OFFICIAL RECORDS, RIVERSIDE COUNTY, CALIFORNIA, LYING WITHIN THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO MERIDIAN (S.B.M.), BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE WEST QUARTER CORNER OF SAID SECTION 34;

THENCE NORTH 89°48'23" EAST 101.24 FEET ALONG CENTER SECTION LINE OF SAID SECTION 34; THENCE LEAVING SAID CENTER SECTION LINE SOUTH 00°12'45" WEST 10.19 FEET;  
THENCE SOUTH 20°12'35" EAST 13.99 FEET;

THENCE SOUTH 00°37'20" WEST 248.84 FEET;

THENCE SOUTH 01°19'43" EAST 90.88 FEET;

THENCE SOUTH 00°09'36" WEST 228.86 FEET;

THENCE SOUTH 02°58'47" WEST 61.50 FEET;

THENCE SOUTH 01°34'58" WEST 8.01 FEET TO THE SOUTHERLY PROPERTY LINE AS DESCRIBED WITHIN SAID GRANT DEED;

THENCE NORTH 89°48'15" WEST 98.67 FEET ALONG SAID SOUTHERLY PROPERTY LINE TO A POINT ON THE CENTERLINE OF MADISON STREET, ALSO BEING THE WEST LINE OF SAID SECTION 34;

THENCE NORTH 00°14'08" WEST 661.28 FEET ALONG SAID CENTERLINE TO THE TRUE POINT OF BEGINNING.

### PARCEL 19: (APN'S: 764-280-059 AND 764-280-061)

THAT PORTION OF THE PROPERTIES AS DESCRIBED IN GRANT DEEDS RECORDED FEBRUARY 18, 1997 AS INSTRUMENT NO. 053692 AND 053694, BOTH OFFICIAL RECORDS, RIVERSIDE COUNTY, CALIFORNIA, LYING WITHIN THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 6 SOUTH, RANGE 7 EAST, SAN BERNARDINO MERIDIAN (S.B.M.), BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 34;

THENCE NORTH 00°14'08" WEST 30.00 FEET ALONG THE CENTERLINE OF MADISON STREET, ALSO BEING THE WEST LINE OF SAID SECTION 34 TO THE TRUE POINT OF BEGINNING;

THENCE CONTINUING NORTH 00°14'08" WEST 1953.83 FEET ALONG SAID CENTERLINE TO A POINT ON THE NORTHERLY LINE OF SAID INSTRUMENT NO. 053692;

THENCE LEAVING SAID CENTERLINE NORTH 89°48'15" EAST 98.67 FEET ALONG SAID NORTHERLY LINE;

THENCE SOUTH 01°34'58" WEST 156.30 FEET; THENCE SOUTH 00°29'17" WEST 362.12 FEET; THENCE SOUTH 01°36'06" WEST 205.42 FEET; THENCE SOUTH 00°56'31" EAST 180.24 FEET; THENCE SOUTH 00°04'19" EAST 631.61 FEET; THENCE SOUTH 01°10'49" WEST 168.30 FEET; THENCE SOUTH 03°03'00" EAST 25.26 FEET;  
THENCE SOUTH 00°46'14" WEST 176.88 FEET;

THENCE SOUTH 27°28'20" EAST 54.03 FEET TO A POINT ON THE NORTHERLY RIGHT OF WAY OF AVENUE 62 AS DESCRIBED BY DEED RECORDED APRIL 17, 1959 AS INSTRUMENT NO. 32692, OFFICIAL RECORDS OF SAID COUNTY;

THENCE SOUTH 89°47'50" WEST 101.67 FEET ALONG SAID NORTHERLY RIGHT OF WAY LINE TO THE TRUE POINT OF BEGINNING.

## APPLICANT/DEVELOPER

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## REVISIONS

DATE	

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**- END OF REPORT -**



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