

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): July 28, 2017

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: SPL-2010-00945-VCL - JD 2

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: CA County/parish/borough: Kern County City: N/A
Center coordinates of site (lat/long in degree decimal format): Lat. 34.95424° N, Long. -118.32405° W.
Universal Transverse Mercator: 379107 m E, 3868768 m N

Name of nearest waterbody: Oak Creek

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: N/A

Name of watershed or Hydrologic Unit Code (HUC): Tropico Hill- Oak Creek, California, 1809020617

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date: July 25, 2017

Field Determination. Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area (check all that apply):¹

- TNWs, including territorial seas
- Wetlands adjacent to TNWs
- Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs
- Non-RPWs that flow directly or indirectly into TNWs
- Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- Impoundments of jurisdictional waters
- Isolated (interstate or intrastate) waters, including isolated wetlands

b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: linear feet: width (ft) and/or acres.

Wetlands: acres.

c. Limits (boundaries) of jurisdiction based on: **Not Applicable.**

Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

The project area contains a total of 157 aquatic features. These features include Oak Creek, which is an intermittent stream in the southern Tehachapi foothills with four segments and an associated seasonal wetland in the study area, and becomes an ephemeral wash on the desert floor with five segments in the study area, before dissipating near Cactus Queen Mine. Additional

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

unnamed aquatic features in the study area include two intermittent streams segments, 18 seasonal wetland features, 33 ephemeral stream features, 54 ephemeral desert wash features, 10 forested wetland features, 28 claypan features, and two features formed through ponding in desert developed areas. Intermittent streams span a total of approximately 6,370 linear feet (1.21 miles) and cover approximately 1.70 acres. Seasonal wetlands cover approximately 2.85 acres. Ephemeral streams and desert wash features span a total of approximately 80,923 linear feet (15.3 miles), and cover approximately 10.67 acres. Forested wetland features cover approximately 2.76 acres. Claypan features cover approximately 0.29 acre. Features of ponding in developed areas cover approximately 0.18 acre. Labeled maps and tables of features and dimensions are provided in the Aquatic Resources Delineation Report, which identifies each feature according to which HUC-10 watershed it occurs within. A completed copy of the Aquatic Resources sheet in the Consolidated ORM Upload Workbook is also appended.

Oak Creek, crosses the study area in two separate places, first in the foothills as an intermittent stream with season wetland, features Oak Creek_0273-001 through 0273-004 and Oak Creek_SW_0272, and then as an ephemeral desert wash, features Oak Creek_0302, Oak Creek_0303, and Oak Creek_0305-001 through 0305-003, as it flows east and southeast outside the study area toward Rosamond Dry Lake.

Additional intermittent streams, Str_0263-001 and Str_0263-002; ephemeral streams, Str_0232, Str_0234 through_0235, Str_0237, Str_0241, Str_0256, Str_0274 through Str_0283, Str_0285 through_0288 and Str_0290; and desert washes Str_0289, Str_0291 through Str_0301, Str_0304, Str_0306 through Str_0312, and Str_0318 through Str_0328, also generally flow east - southeast outside the study area toward Rosamond Dry Lake. Where aquatic features intersect existing roads, they typically flow beneath roadways in culverts. Note that several features have multiple segments and are labeled as such in attached tables [e.g. 0326-001, 0326-002, etc.]. Most of the ephemeral desert wash and ditch features dissipate and do not have defined channels that can be traced all the way down to the terminal point in the watershed. These features are similar to many other streams in the Antelope Valley Watershed that have well-defined channels where they originate in the mountains and foothills, but dissipate on the valley floor, where water movement during storms is primarily sheet flow.

Forested wetlands, features FW_0233, FW_0246 through FW_0249, FW_0251, FW_252, FW_0254, FW_0255, and FW_0265, and seasonal wetlands SW_0238 and_0239, SW_0242, SW_0245, SW_0250 (11 segments), SW_0253-001 and -002 and SW_0261 occur along streams in the foothills in northern part of this study area. These aquatic features drain toward the aforementioned streams that ultimately flow toward Rosamond Dry Lake.

Ephemeral claypan features, CP_1000 through CP_1004, CP_1006 through CP_1008, CP_1010 through CP_1011, CP_1016 through CP_1020, and CP_1022 through CP_1034, are scattered in the southern portion of this the study area due to the relatively flat topography. These low-lying depression features are ephemeral or intermittent, and typically hold water for a few weeks annually. Two areas of ponding in desert developed areas, features PD_1013 and PD_1021, that hold water for at least fourteen days after storms, were also identified in the study area. These aquatic features generally hold water for a few weeks similar to claypans.

All aquatic features within the study area are ephemeral or intermittent and are not used for commerce. The hydrologic connection to the low point in the Antelope Valley watershed, Rogers, Rosamond, and Buckhorn Dry Lakes, is primarily through sheet flow during storms. A review of topographic maps and watershed boundary datasets indicates that waters from the study area drain toward Rosamond Dry Lake.

There are no Traditional Navigable Waters (TNWs) or Relatively Permanent Waters (RPWs) in the study area, and the ephemeral and intermittent desert streams in the study area are not tributaries to RPWs or TNWs. A previous SWANCC watershed-level Approved JD for Antelope Valley (HUC10 #s 1809020609 through 1809020624, excluding those portions of HUC12s 18090206151, 1901902061102, and 180902061103 that drain toward Lake Palmdale and its tributaries) determined that Rosamond, Buckhorn and Rogers Lakes, and their tributaries, (i.e. the Antelope Valley Watershed, excluding Lake Palmdale and tributaries to Lake Palmdale) are non-jurisdictional waters of the United States under SWANCC. This determination, SPL-2011-01084-SLP, dated June 7, 2013, found that these Antelope Valley waters are not tributary to either a TNW or an (a)(3) water and Rosamond, Buckhorn and Rogers Dry Lakes are not (a)(3) waters themselves. The Corps made this watershed conclusion because the Antelope Valley watershed is an isolated, intrastate watershed without any surface water related interstate commerce.

In summary, Antelope Valley Watershed is a closed basin situated within the western Mojave Desert, with a system of Rosamond, Buckhorn, and Rogers Dry Lakes as the central watershed terminus point. The watershed is roughly triangular-shaped, bordered on the southwest by the San Gabriel Mountains and the San Andreas Fault, on the northwest by the Tehachapi Mountains and the Garlock Fault, and on the east by hills and buttes generally following the boundary line between Los Angeles and San Bernardino Counties. Rosamond and Rogers Dry Lakes are the lowest elevational points of the watershed, with only slight differences in their individual lowest elevations (2,274 feet and 2,270 feet above sea level, respectively). Historically, these dry lake areas once comprised a single lake area (Lake Thompson) in the late Pleistocene era. The three dry lakes are located immediately south and southeast of Rosamond Hills and Bissell Hills, within the Edwards Air Force Base. The overall Antelope Valley Watershed analyzed in SPL-2011-01084-SLP occupies an area of approximately 2,400 square miles. Historically, land use of the watershed consisted primarily of agriculture, but population growth has led to increased residential, industrial, and commercial uses within both previous agricultural lands and undeveloped areas.

Watershed surface flows are generated by mountain snow pack melting and by storm events. Most surface water flows within Antelope Valley typically either infiltrate into the groundwater basin or evaporate. However, during large storm events surface water continues to flow to the central three dry lakes situated on Edwards Air Force Base (Rosamond Dry Lake, Buckhorn Dry

Lake, and Rogers Dry Lake). Storm water runoff from the surrounding mountains and hills is typically carried by ephemeral stream courses. Within the Valley floor, runoff is primarily carried by sheetflow. Surface flows that reach the dry lakes are typically are subject to evaporation rather than deep infiltration due to underlying clay soils.

Additionally, a previous approved jurisdictional determination was made for Oak Creek and some tributaries to Oak Creek (SPL-2012-00214-SLP, JD-1) on June 28, 2012. This determination found that the terminus for Oak Creek and its tributaries is Rosamond Dry Lake, and reiterated the non-jurisdictional status of tributaries to Rosamond Dry Lake.

Previously approved jurisdictional determinations have been made for tributaries to these dry lakes. When these lakes were analyzed in SPL-2011-01084-SLP, the Corps found no published commercial uses of the surface waters of any tributaries to Rosamond, Buckhorn and Rogers Dry Lakes, and determined that a review of aerial photographs (Google Earth) also did not depict surface water usage of any drainages tributary to the dry lakes. The Corps found that all tributaries to Rosamond, Buckhorn and Rogers Dry Lakes are not (a)(3) waters as defined by 33 C.F.R. section 328.3(a)(3)(i-iii). The previous determination found that since Rosamond, Buckhorn and Rogers Dry Lakes are intrastate isolated, waters without a surface water connection to commerce, all tributaries to Rosamond, Buckhorn and Rogers Dry Lakes as part of the overall watershed system are also isolated and additionally have no nexus to commerce. A review of current conditions and updated literature review found that conditions have not changed since the SPL-2011-01084-SLP determination for Antelope Valley.

Based on the information above, the subject drainages Oak Creek, two intermittent streams segments, 18 seasonal wetland features, 33 ephemeral stream features, 54 ephemeral desert wash features, 10 forested wetland features, 28 claypan features, and two desert ponds are NONJURISDICTIONAL waters of the United States, since the waters are NOT tributary to either a TNW or an (a)(3) water and are NOT (a)(3) waters themselves. The Corps makes such a conclusion since the waters are tributary to an isolated, intrastate dry lake .

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: .

Summarize rationale supporting determination: .

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is “adjacent”:

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are “relatively permanent waters” (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: **Pick List**

Drainage area: **Pick List**

Average annual rainfall: inches

Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

Tributary flows directly into TNW.

Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.

Project waters are **Pick List** river miles from RPW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Project waters are **Pick List** aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain: .

Identify flow route to TNW⁵:

Tributary stream order, if known: .

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b) General Tributary Characteristics (check all that apply):

Tributary is: Natural
 Artificial (man-made). Explain:
 Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

Average width: feet
Average depth: feet
Average side slopes: **Pick List**.

Primary tributary substrate composition (check all that apply):

Silts Sands Concrete
 Cobbles Gravel Muck
 Bedrock Vegetation. Type/% cover:
 Other. Explain:

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:

Presence of run/riffle/pool complexes. Explain:

Tributary geometry: **Pick List**

Tributary gradient (approximate average slope): %

(c) Flow:

Tributary provides for: **Pick List**

Estimate average number of flow events in review area/year: **Pick List**

Describe flow regime:

Other information on duration and volume:

Surface flow is: **Pick List**. Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

Tributary has (check all that apply):

Bed and banks
 OHWM⁶ (check all indicators that apply):
 clear, natural line impressed on the bank the presence of litter and debris
 changes in the character of soil destruction of terrestrial vegetation
 shelving the presence of wrack line
 vegetation matted down, bent, or absent sediment sorting
 leaf litter disturbed or washed away scour
 sediment deposition multiple observed or predicted flow events
 water staining abrupt change in plant community
 other (list):
 Discontinuous OHWM.⁷ Explain:

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

High Tide Line indicated by: Mean High Water Mark indicated by:
 oil or scum line along shore objects survey to available datum;
 fine shell or debris deposits (foreshore) physical markings;
 physical markings/characteristics vegetation lines/changes in vegetation types.
 tidal gauges
 other (list):

(iii) **Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain:

Identify specific pollutants, if known:

⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷Ibid.

(iv) **Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

2. **Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

(i) **Physical Characteristics:**

(a) General Wetland Characteristics:

Properties:

Wetland size: _____ acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

- Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

- Directly abutting
- Not directly abutting
 - Discrete wetland hydrologic connection. Explain:
 - Ecological connection. Explain:
 - Separated by berm/barrier. Explain:

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately () acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N) Size (in acres) Directly abuts? (Y/N) Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
 TNWs: linear feet width (ft), Or, acres.
 Wetlands adjacent to TNWs: acres.
2. **RPWs that flow directly or indirectly into TNWs.**
 Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:
 Tributaries of TNW where tributaries have continuous flow “seasonally” (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.
Identify type(s) of waters: .

3. Non-RPWs⁸ that flow directly or indirectly into TNWs.

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.
Identify type(s) of waters: .

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
 Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .
 Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. Impoundments of jurisdictional waters.⁹

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- Demonstrate that impoundment was created from "waters of the U.S.," or
 Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
 Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):¹⁰

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
 from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
 which are or could be used for industrial purposes by industries in interstate commerce.
 Interstate isolated waters. Explain: .
 Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

⁸See Footnote # 3.

⁹To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

¹⁰Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres.
 Identify type(s) of waters: .
- Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
 - Prior to the Jan 2001 Supreme Court decision in “*SWANCC*,” the review area would have been regulated based solely on the “Migratory Bird Rule” (MBR).
- Waters do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction. Explain: .
- Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): **87,293** linear feet **averaging 1 to 25** width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: 0.48 acres. List type of aquatic resource: Claypans 0.29 acres and Ponding in Developed Areas 0.18 acres.
- Wetlands: 2.76 acres of forested wetlands and 2.85 acres of seasonal wetlands or a total of 5.61 acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource: .
- Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Features are depicted on Map Sheets 79-132 in Appendix E of the submitted delineation.
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps: .
- Corps navigable waters’ study: .
- U.S. Geological Survey Hydrologic Atlas: See attached Watershed maps for NHD flowlines and HUC boundaries.
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Willow Springs, Rosamond, Monolith, Tehachapi South 7.5 minute quadrangles.
- USDA Natural Resources Conservation Service Soil Survey. Citation: .
- National wetlands inventory map(s). Cite name: .
- State/Local wetland inventory map(s): .
- FEMA/FIRM maps: .
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): NAIP Imagery 2005 and 2014 at 1-m resolution; Kern County Imagery 2010 and 2014 at a 1-foot resolution
 or Other (Name & Date): .
- Previous determination(s). File no. and date of response letter: SPL-2011-01084-SLP, June 7, 2013.
- Applicable/supporting case law: .
- Applicable/supporting scientific literature: .
- Other information (please specify): Aquatic Resources Delineation Report prepared by the applicant/consultant references additional materials; also Appendix E contains map sheets; Appendix F contains dimensions. HUC watershed maps of review areas with NHD Data provided by the applicant/consultant; general use of NAIP Imagery 2009, 2010, and 2012 at 1-m resolution; Kern County

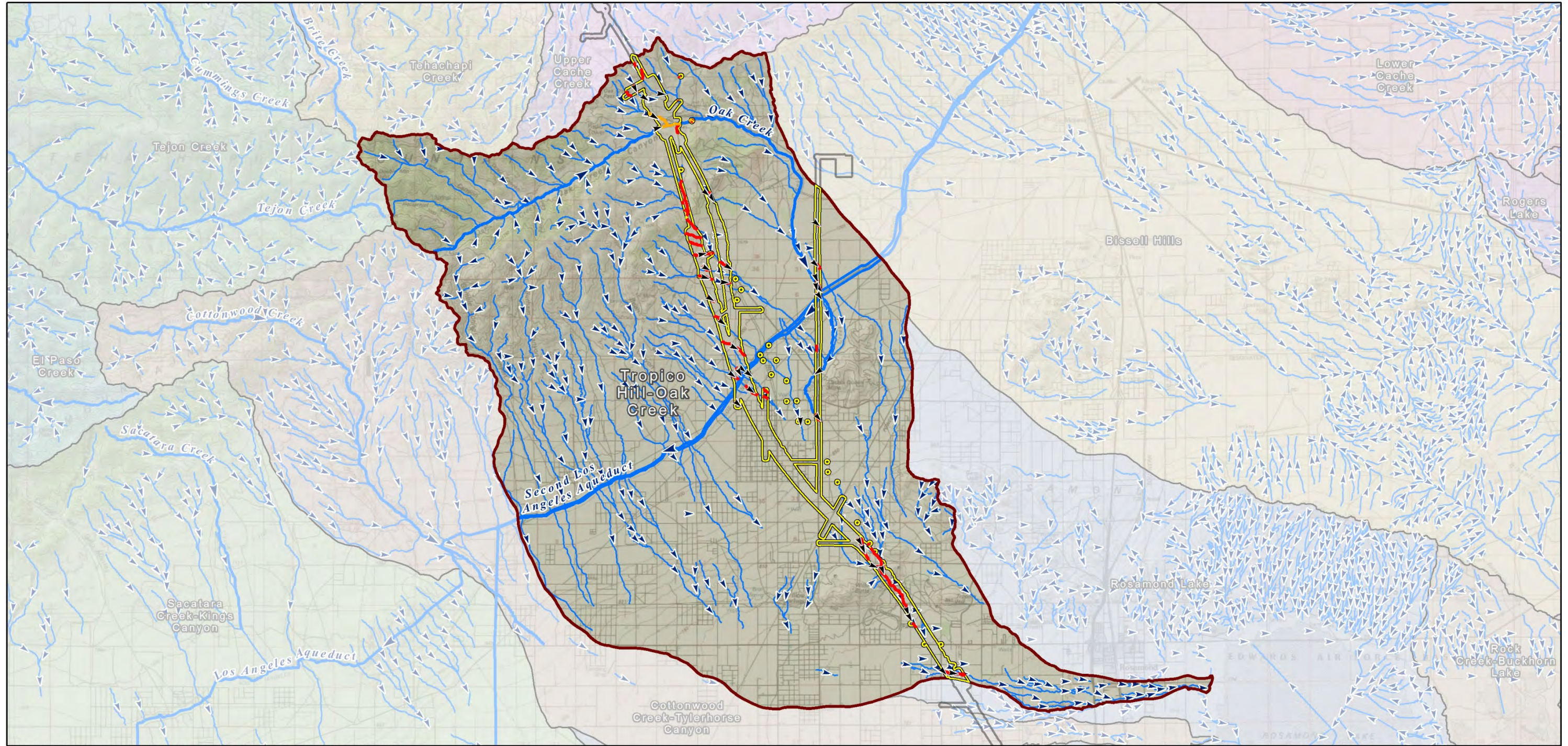
Imagery 2008 at 1-foot resolution; 2015 Site specific IR Imagery, 3-inch color pixel; Bing Aerial Imagery - multiple years (scale dependent); ESRI World Imagery (streaming service) multiple years (scale dependent); Google Earth Historic Photos (used for reference and includes portions from above listed sources).

B. ADDITIONAL COMMENTS TO SUPPORT JD:

| Waters_Name | Cowardin_Code | HGM_Code | Amount | Units | Waters_Type | Latitude | Longitude |
|-------------------|---------------|----------|--------|---------|-------------|--------------|--------------|
| Str_0232-001 | R6 | RIVERINE | 0.008 | ACRE | ISOLATE | 35.07089964 | -118.371989 |
| Str_0232-002 | R6 | RIVERINE | 0.05 | ACRE | ISOLATE | 35.07167768 | -118.3723889 |
| FW_0233 | PSS | RIVERINE | 0.39 | ACRE | ISOLATE | 35.070162 | -118.369529 |
| Str_0234 R6 | RIVERINE | 0.13 | ACRE | ISOLATE | 35.06812639 | -118.3690731 | |
| Str_0235 R6 | RIVERINE | 0.0004 | ACRE | ISOLATE | 35.0618265 | -118.3762554 | |
| Str_0237-001 | R6 | RIVERINE | 0.05 | ACRE | ISOLATE | 35.06055966 | -118.3748802 |
| Str_0237-002 | R6 | RIVERINE | 0.02 | ACRE | ISOLATE | 35.06166921 | -118.3759774 |
| SW_0238 | PEM | SLOPE | 0.13 | ACRE | ISOLATE | 35.062229 | -118.373726 |
| SW_0239 | PEM | SLOPE | 0.24 | ACRE | ISOLATE | 35.0627 | -118.372948 |
| Str_0241-001 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 35.05938215 | -118.3679036 |
| Str_0241-002 | R6 | RIVERINE | 0.007 | ACRE | ISOLATE | 35.05953554 | -118.3681928 |
| Str_0241-003 | R6 | RIVERINE | 0.27 | ACRE | ISOLATE | 35.06284235 | -118.3720058 |
| SW_0242 | R4SB | RIVERINE | 0.006 | ACRE | ISOLATE | 35.066395 | -118.369173 |
| SW_0245 | PEM | SLOPE | 0.20 | ACRE | ISOLATE | 35.065384 | -118.367612 |
| FW_0246 | PSS | RIVERINE | 0.57 | ACRE | ISOLATE | 35.064001 | -118.366751 |
| FW_0247 | PSS | RIVERINE | 0.51 | ACRE | ISOLATE | 35.062844 | -118.365643 |
| FW_0248 | PSS | RIVERINE | 0.14 | ACRE | ISOLATE | 35.062357 | -118.36497 |
| FW_0249 | PSS | RIVERINE | 0.17 | ACRE | ISOLATE | 35.062148 | -118.364346 |
| SW_0250-001 | R4SB | RIVERINE | 0.007 | ACRE | ISOLATE | 35.06631518 | -118.3691178 |
| SW_0250-002 | R4SB | RIVERINE | 0.39 | ACRE | ISOLATE | 35.06115369 | -118.3620797 |
| SW_0250-003 | R4SB | RIVERINE | 0.08 | ACRE | ISOLATE | 35.06189754 | -118.3639417 |
| SW_0250-004 | R4SB | RIVERINE | 0.02 | ACRE | ISOLATE | 35.06217143 | -118.3645924 |
| SW_0250-005 | R4SB | RIVERINE | 0.03 | ACRE | ISOLATE | 35.06255626 | -118.3653438 |
| SW_0250-006 | R4SB | RIVERINE | 0.11 | ACRE | ISOLATE | 35.06336059 | -118.3661438 |
| SW_0250-007 | R4SB | RIVERINE | 0.0007 | ACRE | ISOLATE | 35.06426596 | -118.3671351 |
| SW_0250-008 | R4SB | RIVERINE | 0.001 | ACRE | ISOLATE | 35.06438918 | -118.3672127 |
| SW_0250-009 | R4SB | RIVERINE | 0.32 | ACRE | ISOLATE | 35.06463373 | -118.3674653 |
| SW_0250-010 | R4SB | RIVERINE | 0.01 | ACRE | ISOLATE | 35.06520752 | -118.3679605 |
| SW_0250-011 | R4SB | RIVERINE | 0.14 | ACRE | ISOLATE | 35.06039312 | -118.3605073 |
| FW_0251 | PSS | RIVERINE | 0.06 | ACRE | ISOLATE | 35.06077432 | -118.3595157 |
| FW_0252 | PSS | RIVERINE | 0.21 | ACRE | ISOLATE | 35.066116 | -118.362436 |
| SW_0253-001 | R4SB | RIVERINE | 0.0009 | ACRE | ISOLATE | 35.06479534 | -118.3614884 |
| SW_0253-002 | R4SB | RIVERINE | 0.04 | ACRE | ISOLATE | 35.06577655 | -118.3622546 |
| FW_0254 | PSS | RIVERINE | 0.48 | ACRE | ISOLATE | 35.06556969 | -118.3621369 |
| FW_0255 | PSS | RIVERINE | 0.001 | ACRE | ISOLATE | 35.063691 | -118.360766 |
| Str_0256 R6 | RIVERINE | 0.02 | ACRE | ISOLATE | 35.06715497 | -118.3528962 | |
| SW_0261 | PEM | SLOPE | 0.27 | ACRE | ISOLATE | 35.059503 | -118.363689 |
| Str_0263-001 | R4SB | RIVERINE | 0.0007 | ACRE | ISOLATE | 35.052274 | -118.361668 |
| Str_0263-002 | R4SB | RIVERINE | 1.15 | ACRE | ISOLATE | 35.05272393 | -118.3614583 |
| FW_0265 | PSS | RIVERINE | 0.23 | ACRE | ISOLATE | 35.060324 | -118.360863 |
| Str_0266 R6 | RIVERINE | 0.01 | ACRE | ISOLATE | 35.05879969 | -118.3533507 | |
| OakCreek_0273-001 | R4SB | RIVERINE | 0.37 | ACRE | ISOLATE | 35.04945057 | -118.3590331 |
| OakCreek_0273-002 | R4SB | RIVERINE | 0.004 | ACRE | ISOLATE | 35.049709 | -118.357418 |
| OakCreek_0273-003 | R4SB | RIVERINE | 0.14 | ACRE | ISOLATE | 35.05027202 | -118.3537842 |
| OakCreek_0273-004 | R4SB | RIVERINE | 0.04 | ACRE | ISOLATE | 35.05167279 | -118.3480346 |
| OakCreek_SW_0272 | PEM | RIVERINE | 0.85 | ACRE | ISOLATE | 35.049986 | -118.355916 |
| Str_0274-001 | R6 | RIVERINE | 0.09 | ACRE | ISOLATE | 35.04847843 | -118.353961 |
| Str_0274-002 | R6 | RIVERINE | 0.004 | ACRE | ISOLATE | 35.05019723 | -118.3528526 |
| Str_0275-001 | R6 | RIVERINE | 0.0008 | ACRE | ISOLATE | 35.05161593 | -118.3481134 |
| Str_0275-002 | R6 | RIVERINE | 0.0004 | ACRE | ISOLATE | 35.05192819 | -118.3522977 |
| Str_0276 R6 | RIVERINE | 0.008 | ACRE | ISOLATE | 35.05105594 | -118.3474543 | |
| Str_0277 R6 | RIVERINE | 0.004 | ACRE | ISOLATE | 35.05181788 | -118.3468988 | |
| Str_0278 R6 | RIVERINE | 0.01 | ACRE | ISOLATE | 35.02974107 | -118.3518117 | |
| Str_0279 R6 | RIVERINE | 0.35 | ACRE | ISOLATE | 35.02756826 | -118.3518391 | |
| Str_0280-001 | R6 | RIVERINE | 0.0008 | ACRE | ISOLATE | 35.02055 | -118.350477 |
| Str_0280-002 | R6 | RIVERINE | 0.19 | ACRE | ISOLATE | 35.01886825 | -118.3493744 |
| Str_0280-003 | R6 | RIVERINE | 0.08 | ACRE | ISOLATE | 35.01942449 | -118.3503523 |
| Str_0280-004 | R6 | RIVERINE | 0.29 | ACRE | ISOLATE | 35.02198987 | -118.3512186 |
| Str_0281 R6 | RIVERINE | 1.40 | ACRE | ISOLATE | 35.02153518 | -118.3493867 | |

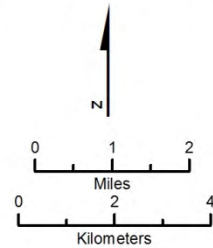
| | | | | | | |
|-------------------|-------------|--------|------|---------|-------------|--------------|
| Str_0282 R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 35.02491465 | -118.3403424 |
| Str_0283 R6 | RIVERINE | 0.14 | ACRE | ISOLATE | 35.02442684 | -118.3391678 |
| Str_0285-001 | R6 RIVERINE | 0.69 | ACRE | ISOLATE | 35.01421061 | -118.3470793 |
| Str_0285-002 | R6 RIVERINE | 0.001 | ACRE | ISOLATE | 35.01416 | -118.347156 |
| Str_0286 R6 | RIVERINE | 0.22 | ACRE | ISOLATE | 35.01027927 | -118.3465063 |
| Str_0287 R6 | RIVERINE | 0.19 | ACRE | ISOLATE | 35.00713853 | -118.345548 |
| Str_0288-001 | R6 RIVERINE | 0.09 | ACRE | ISOLATE | 35.00370159 | -118.3398925 |
| Str_0288-002 | R6 RIVERINE | 0.27 | ACRE | ISOLATE | 35.00334332 | -118.3440616 |
| Str_0289 R6 | RIVERINE | 0.06 | ACRE | ISOLATE | 34.9979731 | -118.3409841 |
| Str_0290 R6 | RIVERINE | 0.09 | ACRE | ISOLATE | 35.00408507 | -118.338804 |
| Str_0291-001 | R6 RIVERINE | 0.39 | ACRE | ISOLATE | 34.99982403 | -118.3329638 |
| Str_0291-002 | R6 RIVERINE | 0.05 | ACRE | ISOLATE | 35.00385264 | -118.3382263 |
| Str_0292-001 | R6 RIVERINE | 0.37 | ACRE | ISOLATE | 34.9931771 | -118.3318504 |
| Str_0292-002 | R6 RIVERINE | 0.74 | ACRE | ISOLATE | 34.99546241 | -118.3410558 |
| Str_0293 R6 | RIVERINE | 0.06 | ACRE | ISOLATE | 34.98733397 | -118.3389431 |
| Str_0294 R6 | RIVERINE | 0.17 | ACRE | ISOLATE | 34.98051687 | -118.3351046 |
| Str_0295 R6 | RIVERINE | 0.36 | ACRE | ISOLATE | 34.97015828 | -118.3285573 |
| Str_0296 R6 | RIVERINE | 0.02 | ACRE | ISOLATE | 34.96246179 | -118.3271466 |
| Str_0297 R6 | RIVERINE | 0.05 | ACRE | ISOLATE | 34.96154378 | -118.3263624 |
| Str_0298-001 | R6 RIVERINE | 0.04 | ACRE | ISOLATE | 34.95236697 | -118.314833 |
| Str_0298-002 | R6 RIVERINE | 0.10 | ACRE | ISOLATE | 34.95441451 | -118.3213341 |
| Str_0298-003 | R6 RIVERINE | 0.06 | ACRE | ISOLATE | 34.95943685 | -118.3284496 |
| Str_0299-001 | R6 RIVERINE | 0.04 | ACRE | ISOLATE | 34.95448041 | -118.3148423 |
| Str_0299-002 | R6 RIVERINE | 0.03 | ACRE | ISOLATE | 34.96075576 | -118.3224763 |
| Str_0299-003 | R6 RIVERINE | 0.02 | ACRE | ISOLATE | 34.96263851 | -118.325201 |
| Str_0300-001 | R6 RIVERINE | 0.02 | ACRE | ISOLATE | 34.94997614 | -118.3267013 |
| Str_0300-002 | R6 RIVERINE | 0.01 | ACRE | ISOLATE | 34.95047808 | -118.3278945 |
| Str_0301 R6 | RIVERINE | 0.009 | ACRE | ISOLATE | 34.94369619 | -118.2996996 |
| OakCreek_0302 | R6 RIVERINE | 0.16 | ACRE | ISOLATE | 34.94482524 | -118.2922043 |
| OakCreek_0303 | R6 RIVERINE | 0.06 | ACRE | ISOLATE | 34.96172241 | -118.2917322 |
| Str_0304 R6 | RIVERINE | 0.06 | ACRE | ISOLATE | 34.96994166 | -118.2925356 |
| OakCreek_0305-001 | R6 RIVERINE | 0.03 | ACRE | ISOLATE | 34.98852256 | -118.2910917 |
| OakCreek_0305-002 | R6 RIVERINE | 0.07 | ACRE | ISOLATE | 34.98905176 | -118.2917905 |
| OakCreek_0305-003 | R6 RIVERINE | 0.24 | ACRE | ISOLATE | 34.9913417 | -118.2921901 |
| Str_0306 R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.99495854 | -118.2928093 |
| Str_0307 R6 | RIVERINE | 0.10 | ACRE | ISOLATE | 34.99285253 | -118.2924373 |
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| Str_0308-002 | R6 RIVERINE | 0.03 | ACRE | ISOLATE | 34.9939592 | -118.2924704 |
| Str_0309 R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.99142148 | -118.2914009 |
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| Str_0319 R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.90011877 | -118.2723393 |
| Str_0320 R6 | RIVERINE | 0.09 | ACRE | ISOLATE | 34.89619945 | -118.2711285 |
| Str_0321-001 | R6 RIVERINE | 0.05 | ACRE | ISOLATE | 34.89617924 | -118.2669376 |
| Str_0321-002 | R6 RIVERINE | 0.006 | ACRE | ISOLATE | 34.89964014 | -118.2696483 |
| Str_0321-003 | R6 RIVERINE | 0.002 | ACRE | ISOLATE | 34.90017906 | -118.2698337 |
| Str_0322 R6 | RIVERINE | 0.15 | ACRE | ISOLATE | 34.892823 | -118.2640874 |
| Str_0323 R6 | RIVERINE | 0.12 | ACRE | ISOLATE | 34.89154733 | -118.2657629 |
| Str_0324 R6 | RIVERINE | 0.09 | ACRE | ISOLATE | 34.88927379 | -118.2637535 |
| Str_0325 R6 | RIVERINE | 0.02 | ACRE | ISOLATE | 34.8914772 | -118.2632475 |
| Str_0327 R6 | RIVERINE | 0.01 | ACRE | ISOLATE | 34.89090185 | -118.2631937 |
| Str_0326-001 | R6 RIVERINE | 0.0002 | ACRE | ISOLATE | 34.8895 | -118.263177 |
| Str_0326-002 | R6 RIVERINE | 0.15 | ACRE | ISOLATE | 34.8894491 | -118.2633067 |
| Str_0328 R6 | RIVERINE | 0.50 | ACRE | ISOLATE | 34.88340519 | -118.2578687 |
| Str_0329 R6 | RIVERINE | 0.02 | ACRE | ISOLATE | 34.87796327 | -118.2535968 |
| Str_0330 R6 | RIVERINE | 0.13 | ACRE | ISOLATE | 34.87620586 | -118.2527288 |
| Str_0331 R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 34.87344628 | -118.2516704 |
| Str_0332 R6 | RIVERINE | 0.29 | ACRE | ISOLATE | 34.87056416 | -118.2496162 |
| Str_0333 R6 | RIVERINE | 0.002 | ACRE | ISOLATE | 34.85387991 | -118.236816 |
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| Str_0335 R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 34.85391832 | -118.2362887 |
| Str_0336 R6 | RIVERINE | 0.27 | ACRE | ISOLATE | 34.85325624 | -118.2327254 |

| | | | | | | |
|-------------|-------------|------|-------|---------|-------------|--------------|
| Str_0337 R6 | RIVERINE | 0.05 | ACRE | ISOLATE | 34.85326116 | -118.2284108 |
| Str_0338 R6 | RIVERINE | 0.08 | ACRE | ISOLATE | 34.85270243 | -118.2281414 |
| CP_1000 PUB | DEPRESS | 387 | SQ_FT | ISOLATE | 34.855082 | -118.234067 |
| CP_1001 PUB | DEPRESS | 273 | SQ_FT | ISOLATE | 34.851852 | -118.233856 |
| CP_1002-001 | PUB DEPRESS | 17 | SQ_FT | ISOLATE | 34.851556 | -118.233568 |
| CP_1003 PUB | DEPRESS | 69 | SQ_FT | ISOLATE | 34.85431 | -118.233543 |
| CP_1004 PUB | DEPRESS | 58 | SQ_FT | ISOLATE | 34.854673 | -118.233538 |
| CP_1006 PUB | DEPRESS | 97 | SQ_FT | ISOLATE | 34.852411 | -118.233504 |
| CP_1007 PUB | DEPRESS | 99 | SQ_FT | ISOLATE | 34.851946 | -118.233501 |
| CP_1008 PUB | DEPRESS | 129 | SQ_FT | ISOLATE | 34.852011 | -118.233489 |
| CP_1010-001 | PUB DEPRESS | 205 | SQ_FT | ISOLATE | 34.851569 | -118.233474 |
| CP_1011 PUB | DEPRESS | 132 | SQ_FT | ISOLATE | 34.855206 | -118.233468 |
| PD_1013 PUB | DEPRESS | 45 | SQ_FT | ISOLATE | 34.856492 | -118.233439 |
| CP_1016 PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.856104 | -118.232141 |
| CP_1017 PUB | DEPRESS | 41 | SQ_FT | ISOLATE | 34.856124 | -118.232136 |
| CP_1018 PUB | DEPRESS | 54 | SQ_FT | ISOLATE | 34.856085 | -118.232129 |
| CP_1019 PUB | DEPRESS | 50 | SQ_FT | ISOLATE | 34.856281 | -118.232122 |
| CP_1020 PUB | DEPRESS | 591 | SQ_FT | ISOLATE | 34.856009 | -118.232063 |
| PD_1021 PUB | DEPRESS | 7992 | SQ_FT | ISOLATE | 34.852037 | -118.231826 |
| CP_1022 PUB | DEPRESS | 2782 | SQ_FT | ISOLATE | 34.853835 | -118.231769 |
| CP_1023 PUB | DEPRESS | 147 | SQ_FT | ISOLATE | 34.853876 | -118.231609 |
| CP_1024 PUB | DEPRESS | 40 | SQ_FT | ISOLATE | 34.854899 | -118.230152 |
| CP_1025 PUB | DEPRESS | 81 | SQ_FT | ISOLATE | 34.854617 | -118.229501 |
| CP_1026 PUB | DEPRESS | 68 | SQ_FT | ISOLATE | 34.854765 | -118.229235 |
| CP_1027 PUB | DEPRESS | 236 | SQ_FT | ISOLATE | 34.85383 | -118.229232 |
| CP_1028 PUB | DEPRESS | 263 | SQ_FT | ISOLATE | 34.853977 | -118.229228 |
| CP_1029 PUB | DEPRESS | 3237 | SQ_FT | ISOLATE | 34.854342 | -118.229167 |
| CP_1030 PUB | DEPRESS | 61 | SQ_FT | ISOLATE | 34.854471 | -118.229114 |
| CP_1031 PUB | DEPRESS | 2838 | SQ_FT | ISOLATE | 34.854397 | -118.229066 |
| CP_1032 PUB | DEPRESS | 629 | SQ_FT | ISOLATE | 34.853708 | -118.228981 |
| CP_1033 PUB | DEPRESS | 182 | SQ_FT | ISOLATE | 34.85356 | -118.228966 |
| CP_1034 PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.851349 | -118.226952. |



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 14, 2016



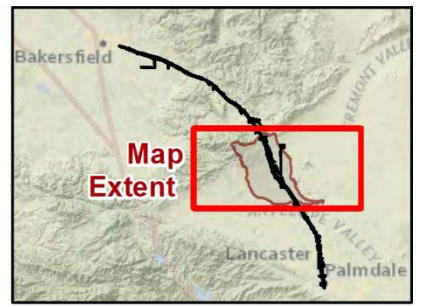
BP HSR Mapped Streams with OHWM in Tropic Hill - Oak Creek Watershed Study Area

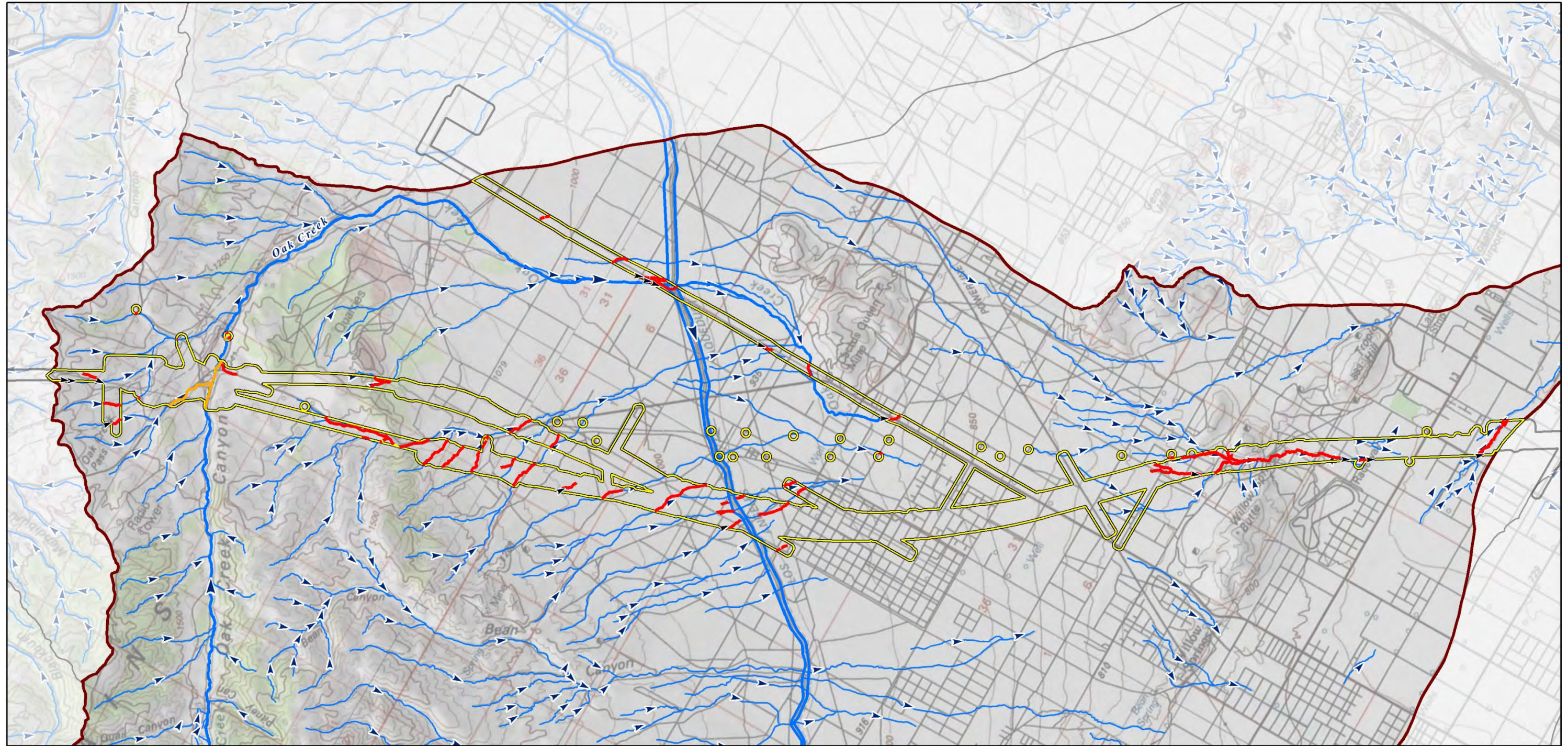
- Culvert
- Ephemeral Stream
- Intermittent Stream

- Study Area in the Tropic Hill - Oak Creek Watershed
- Tropic Hill - Oak Creek Watershed HUC-10
- Other HUC-10 Watersheds

- Wetlands Study Area (Project Footprint + 250 ft Buffer)
- Direction of flow based on NHD flowlines

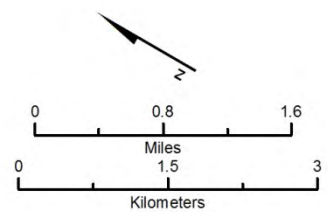
Tropico Hill - Oak Creek Watershed Hydrologic Connectivity





PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 14, 2016



BP HSR Mapped Streams with OHWM in Tropic Hill - Oak Creek Watershed Study Area

- ▶ Culvert
- ▶ Ephemeral Stream
- ▶ Intermittent Stream

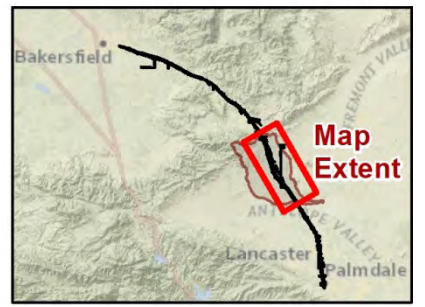
Study Area in the Tropic Hill - Oak Creek Watershed

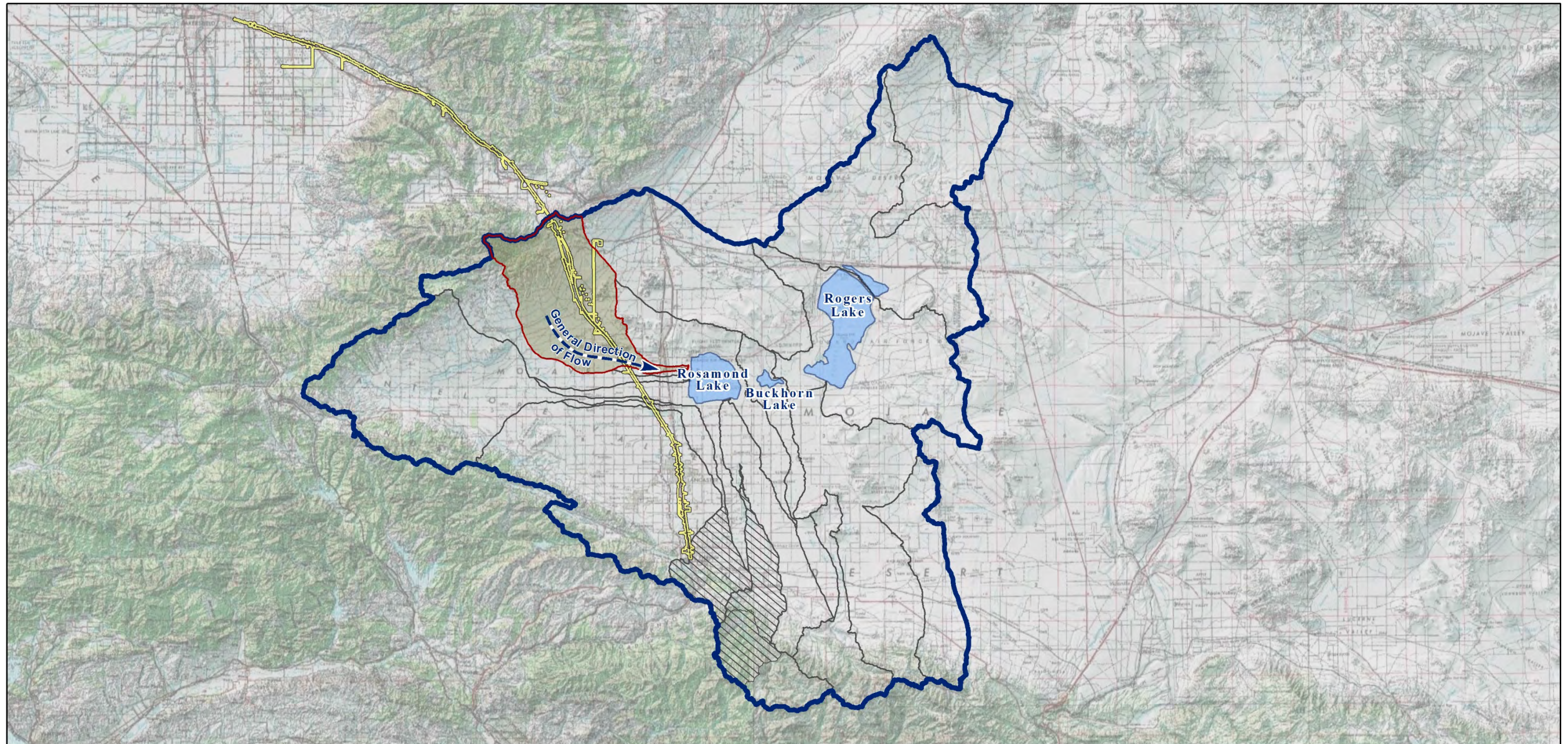
Tropic Hill - Oak Creek Watershed HUC-10

Wetlands Study Area (Project Footprint + 250 ft Buffer)

—▶ Direction of flow based on NHD flowlines

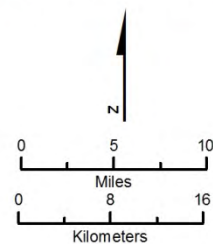
Tropic Hill - Oak Creek Watershed Study Area Hydrologic Connectivity





PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

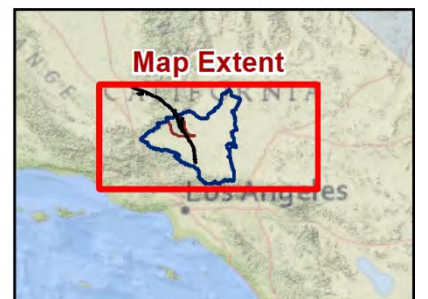
November 17, 2016

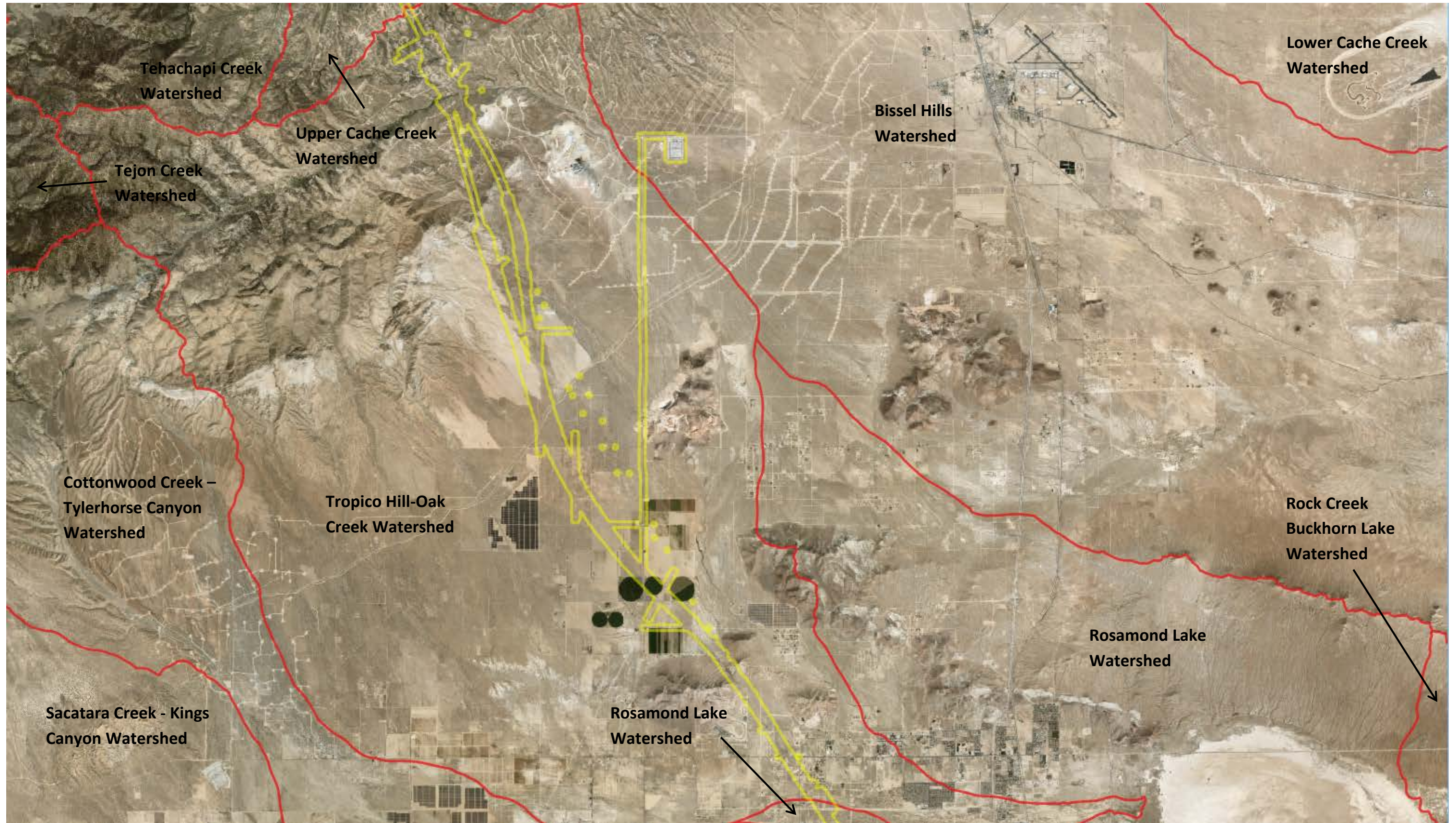


- Tropic Hill-Oak Creek Watershed HUC-10
- Antelope Valley Watershed (as described in SPL-2011-01084-SLP)
- HUC-12 Watersheds excluded from SPL-2011-01084-SLP
- Wetlands Study Area (Project Footprint + 250 ft Buffer)

The U.S. Army Corps of Engineers issued a SWANCC watershed-level Approved Jurisdictional Determination for Antelope Valley (HUC 10 #s 1809020609 through 1809020624) on June 7, 2013. Note that this determination specifically excluded the areas of Lake Palmdale and all waters tributary to Lake Palmdale (portions of HUC 12 #s 180902061501, 180902061102, 180902061103). This figure illustrates the location of the study area relative to the previous watershed-level decision.

Tropico Hill-Oak Creek Watershed Location Within Antelope Valley Watershed





Kern County 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.

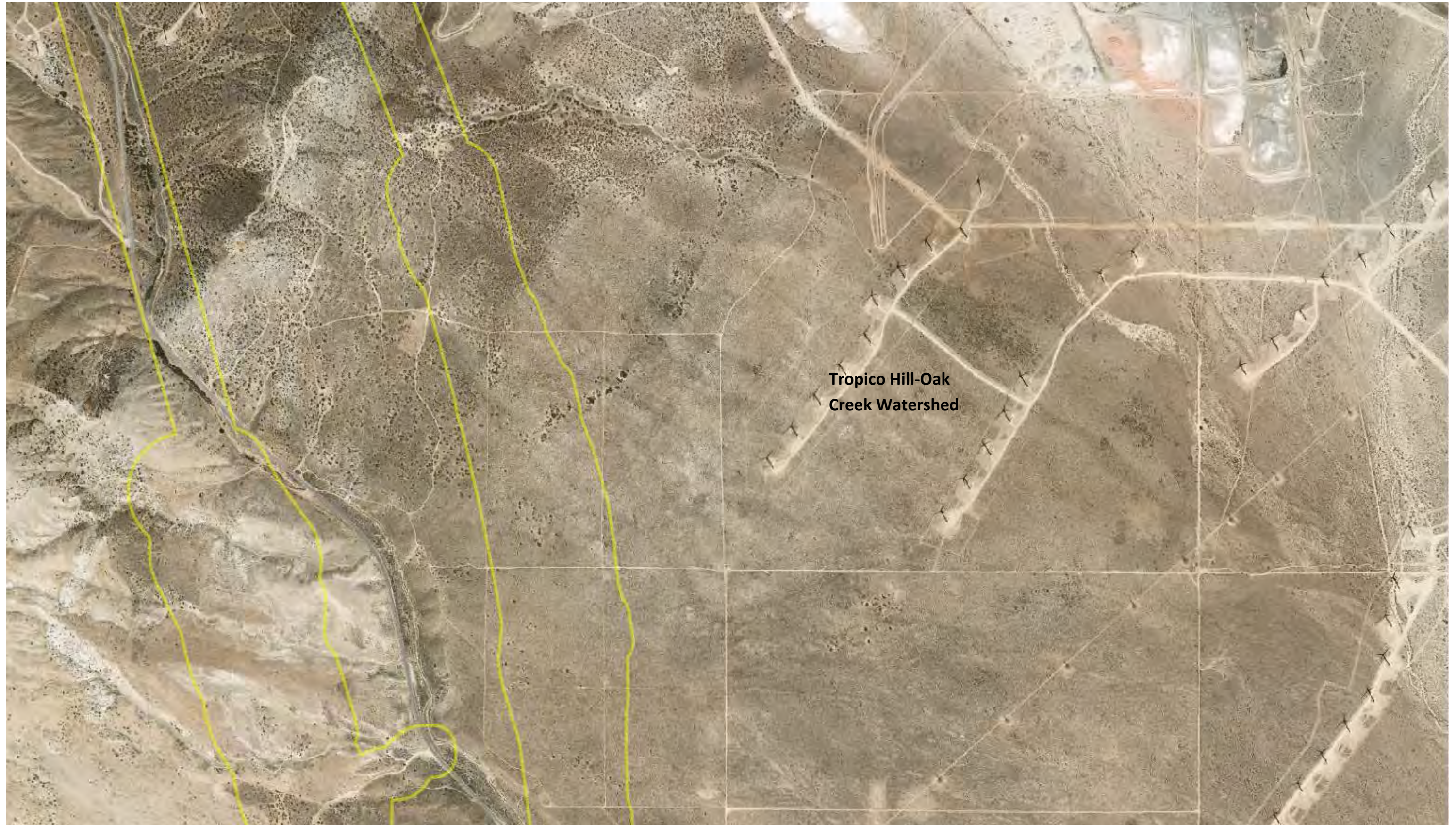


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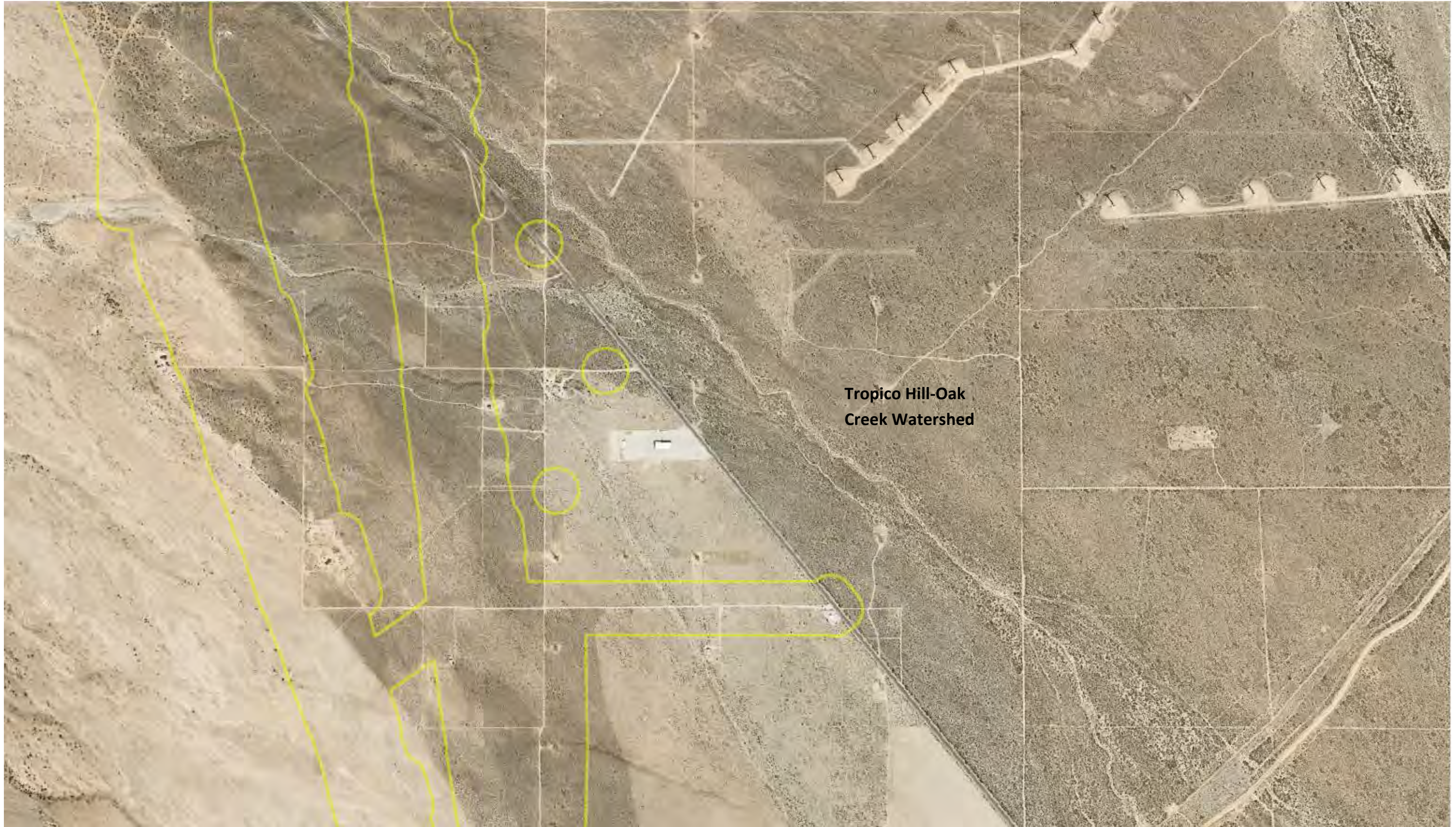


Tropico Hill-Oak
Creek Watershed

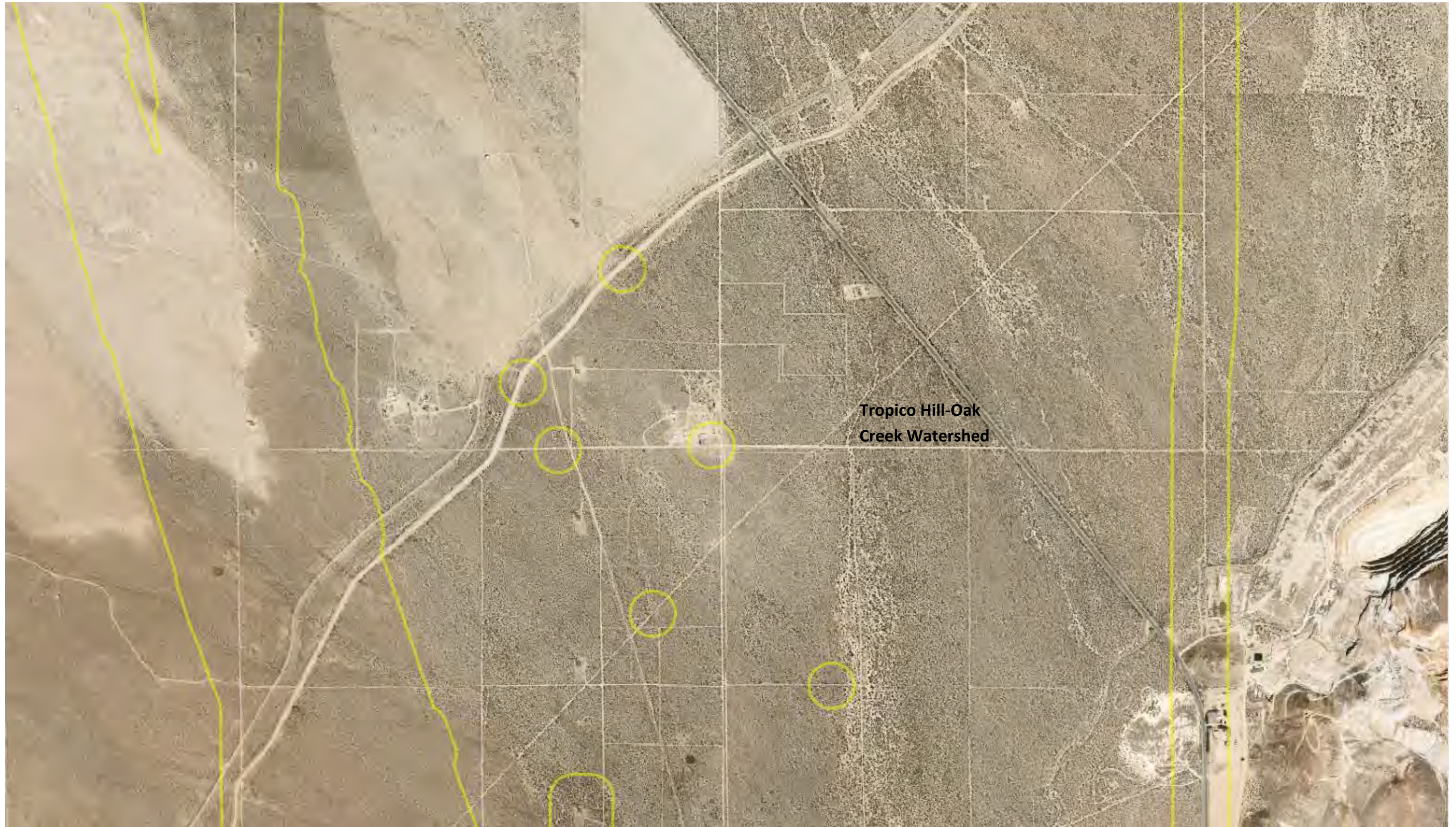
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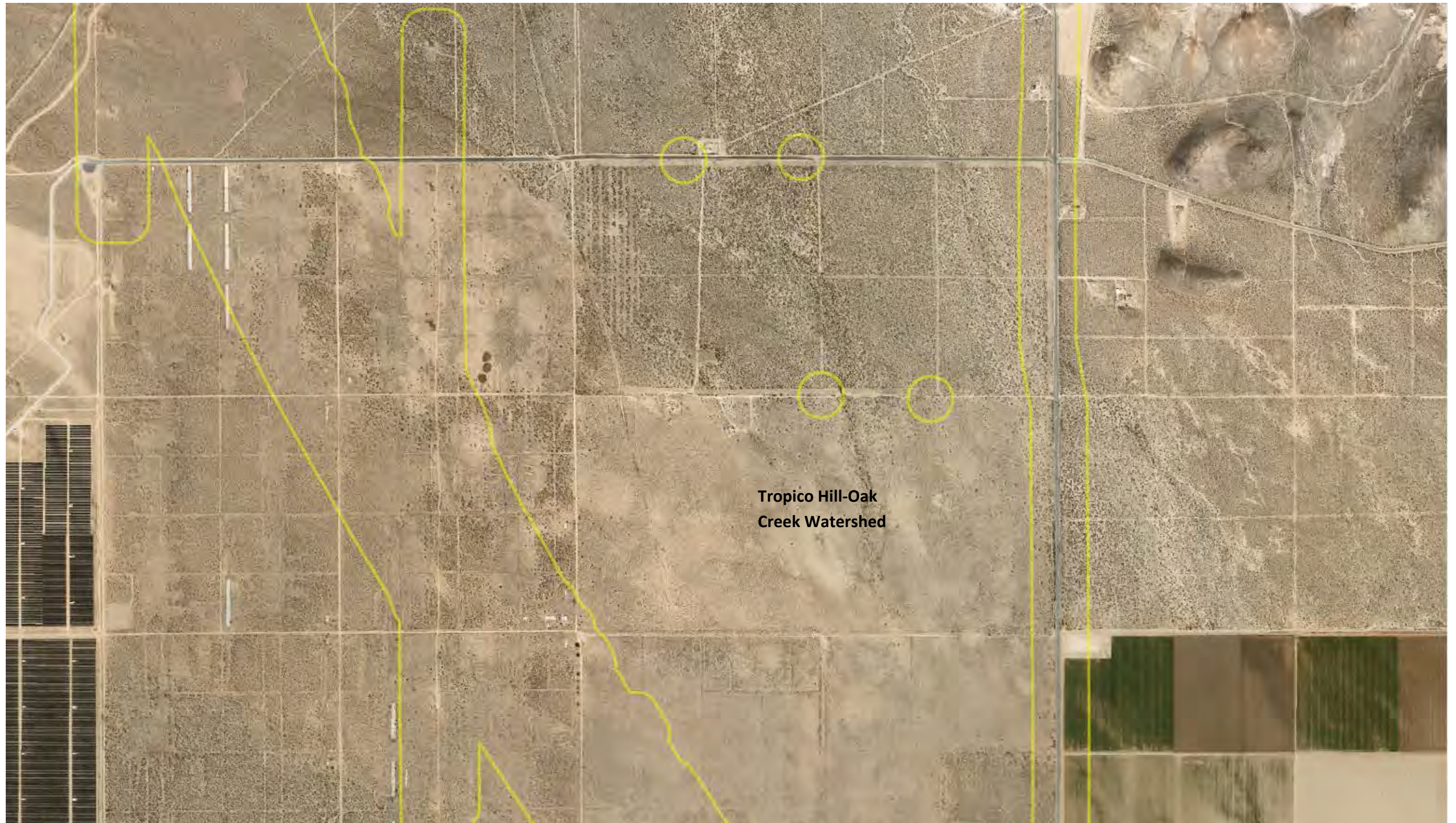
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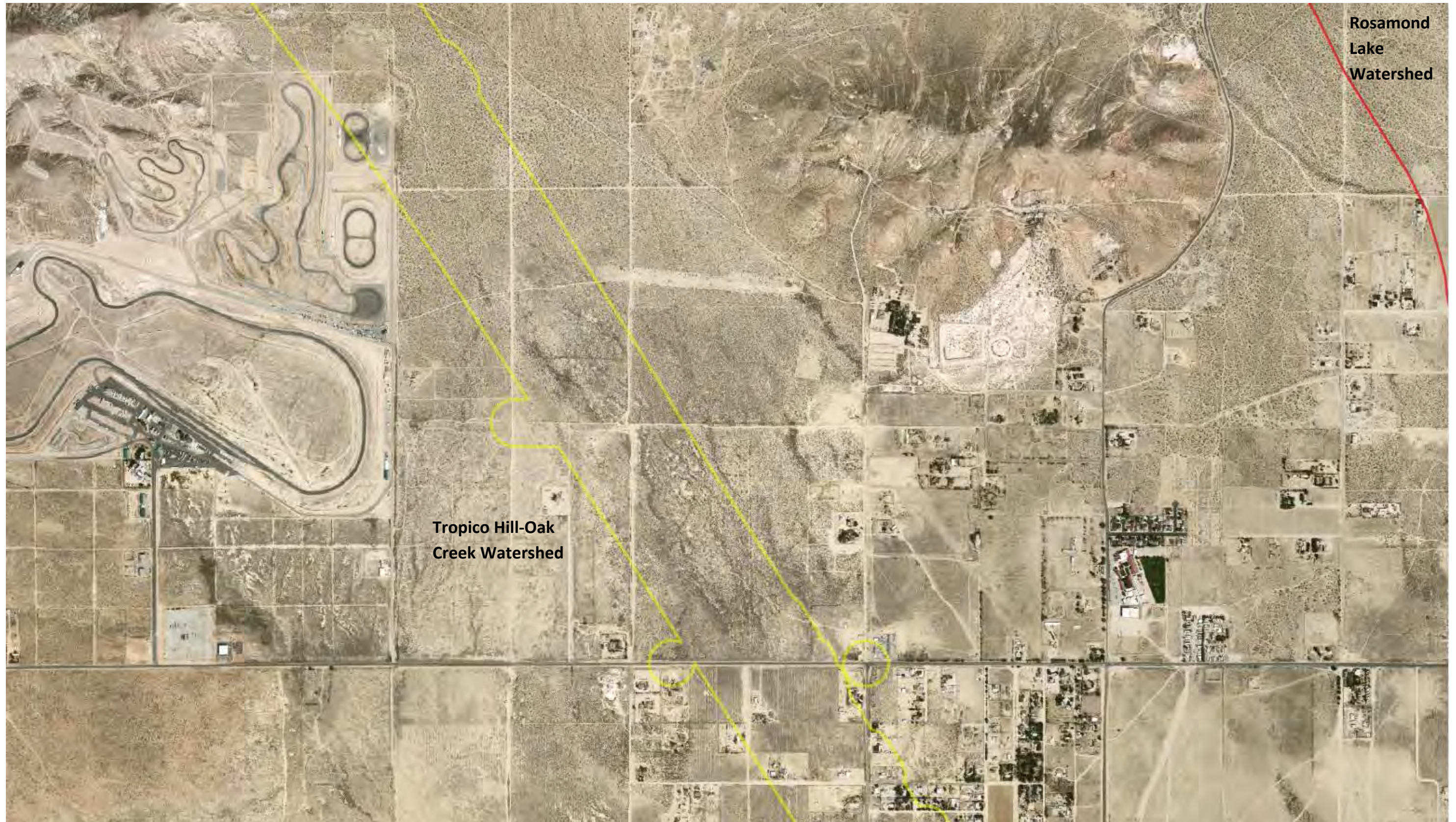


**Tropico Hill-Oak
Creek Watershed**

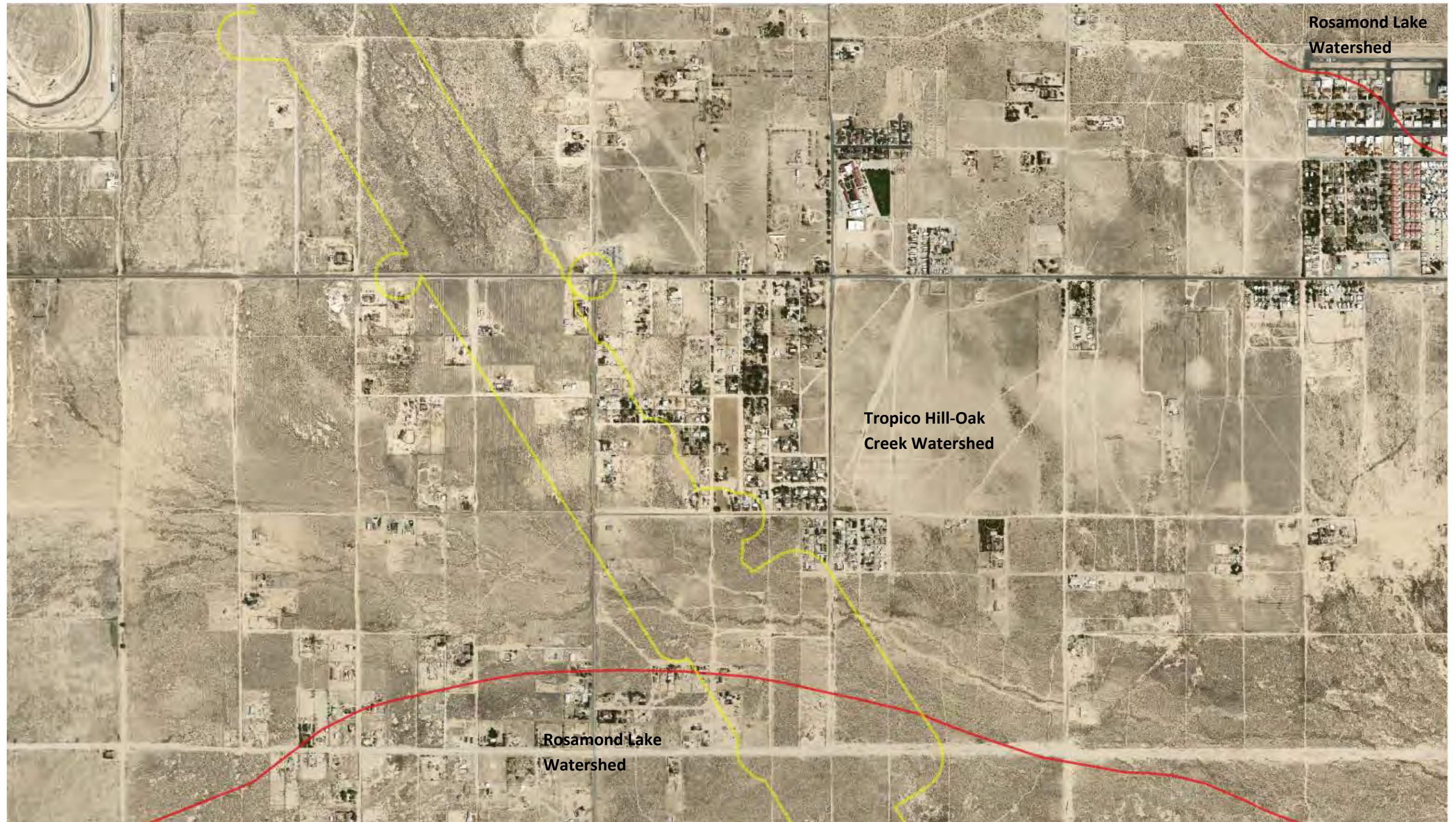
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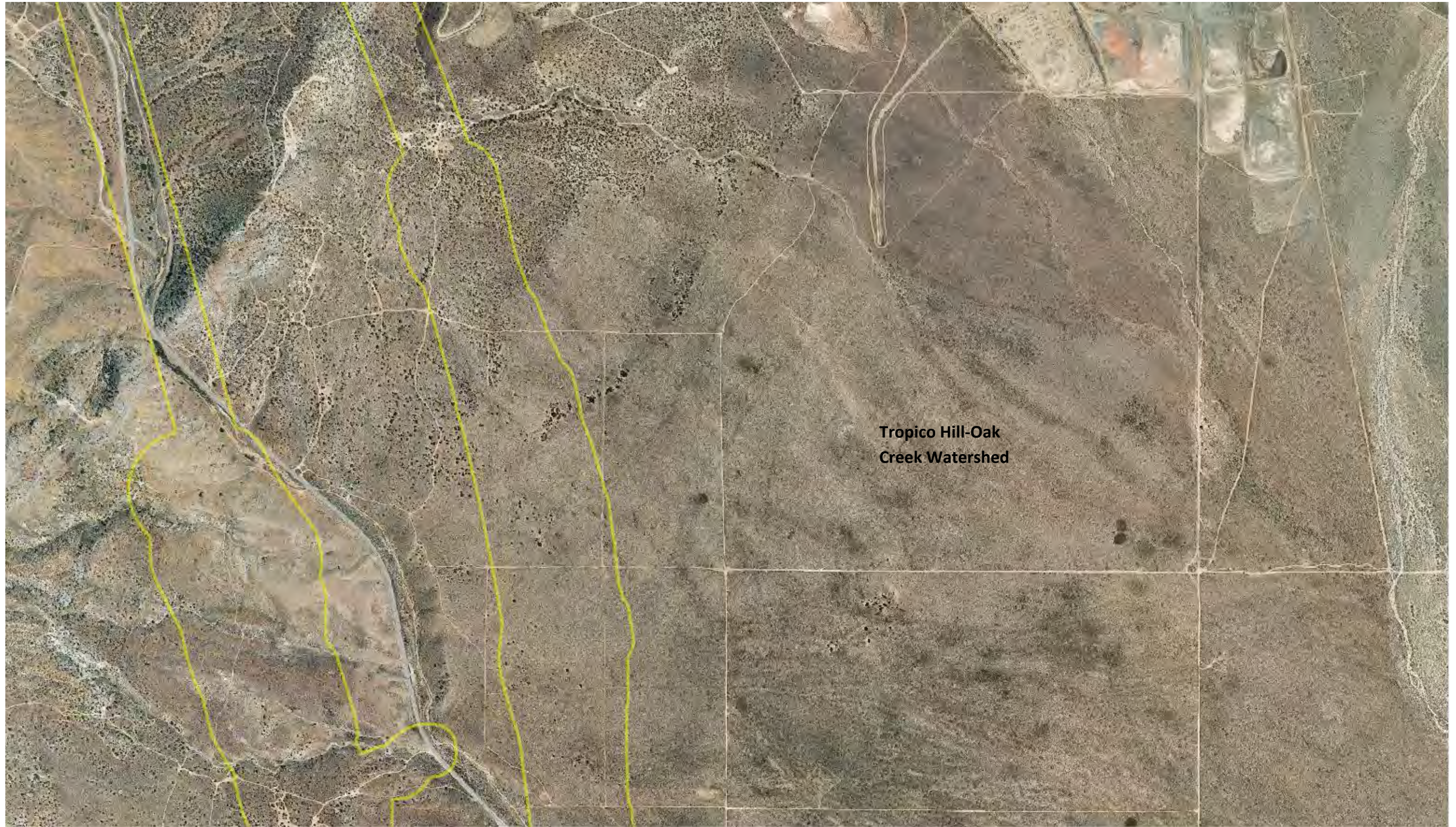
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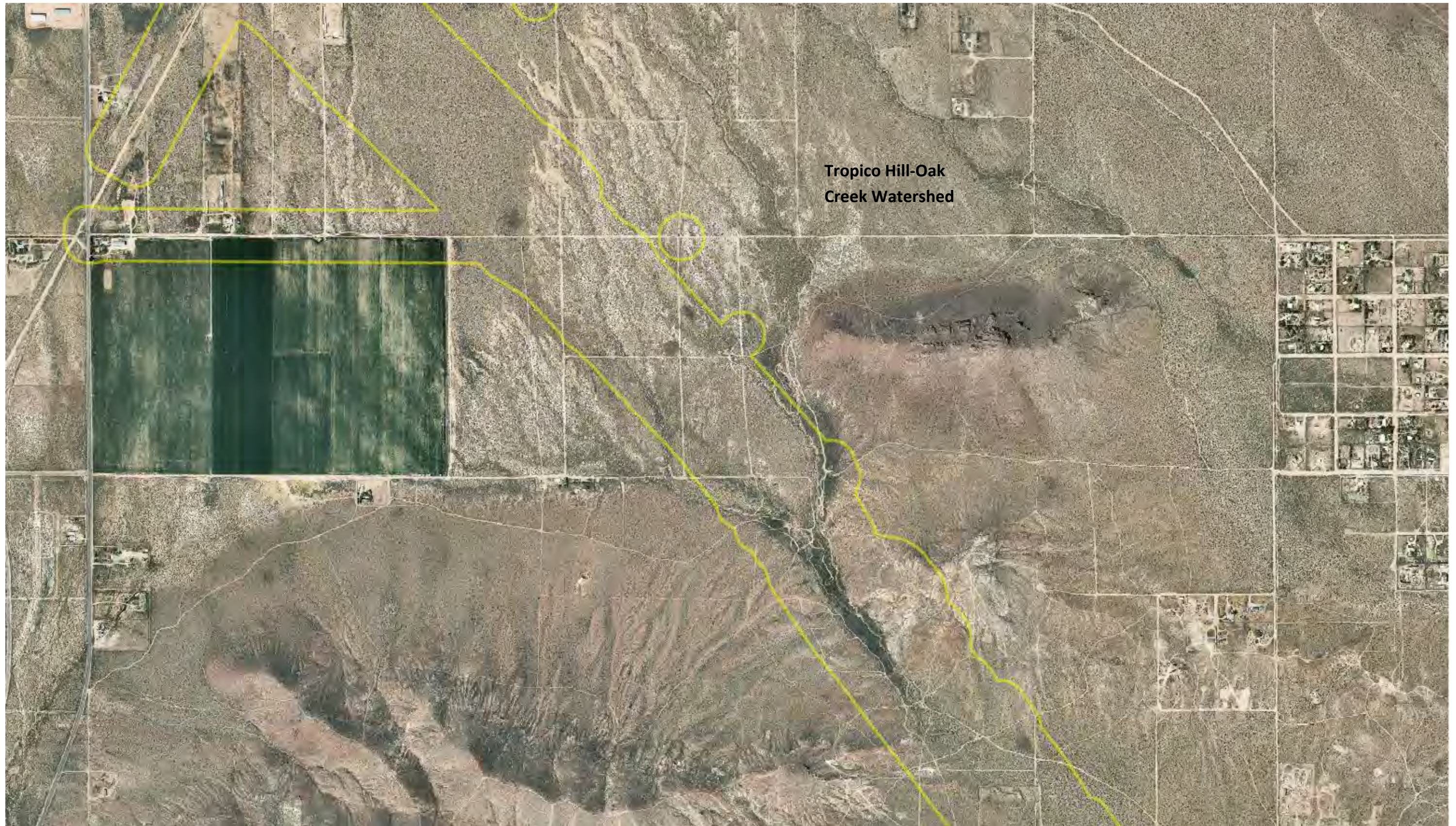
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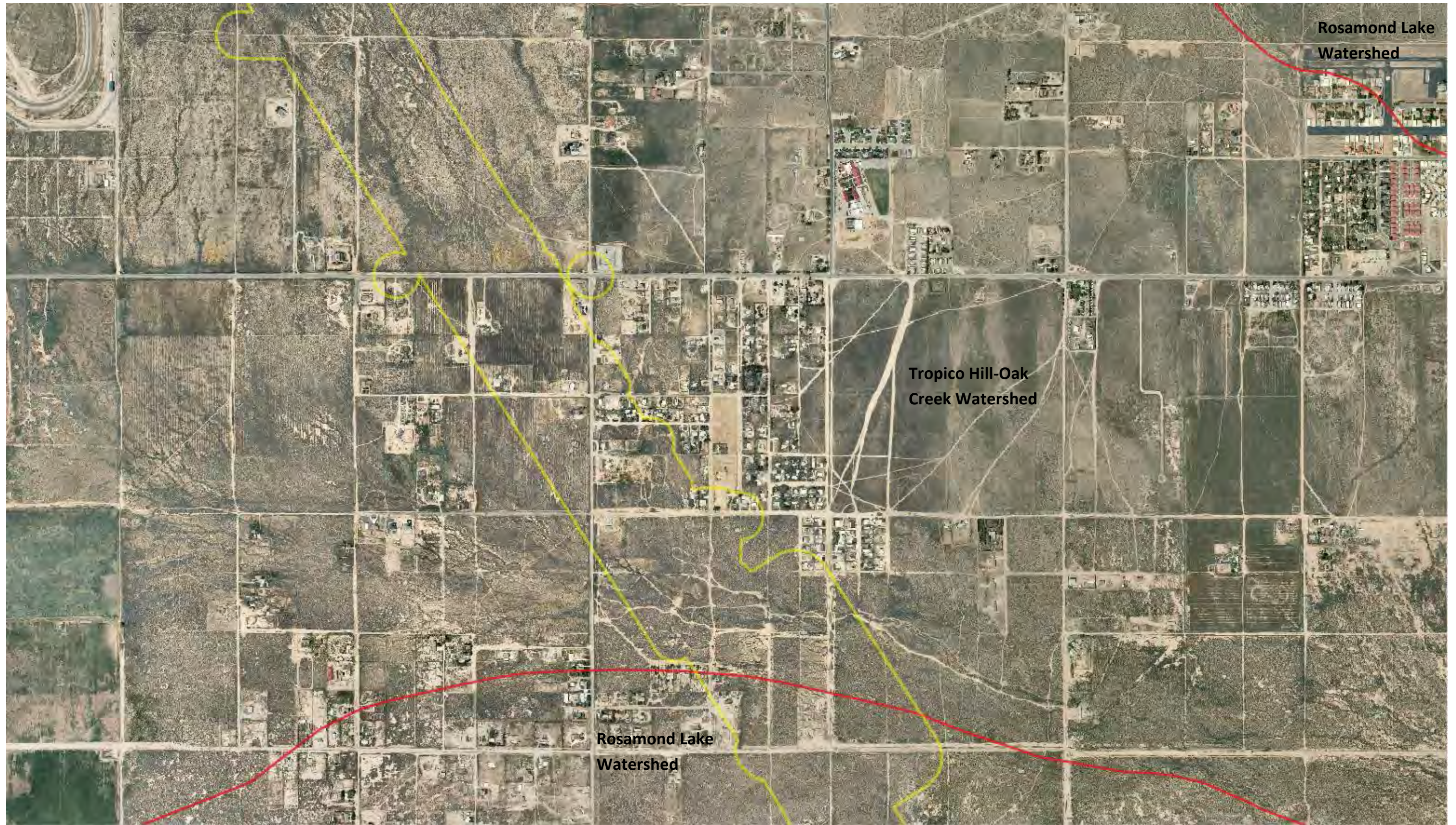
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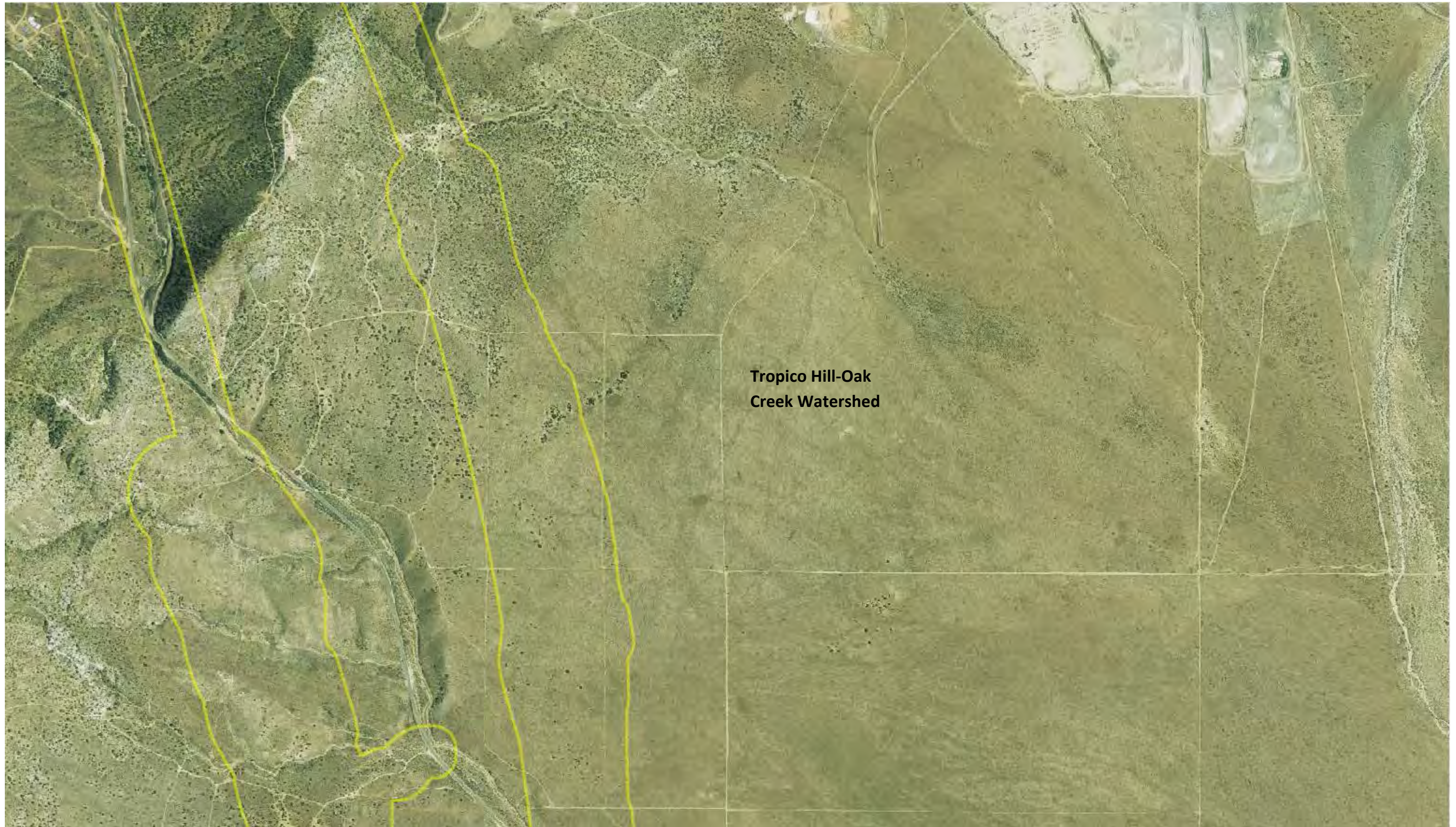


NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



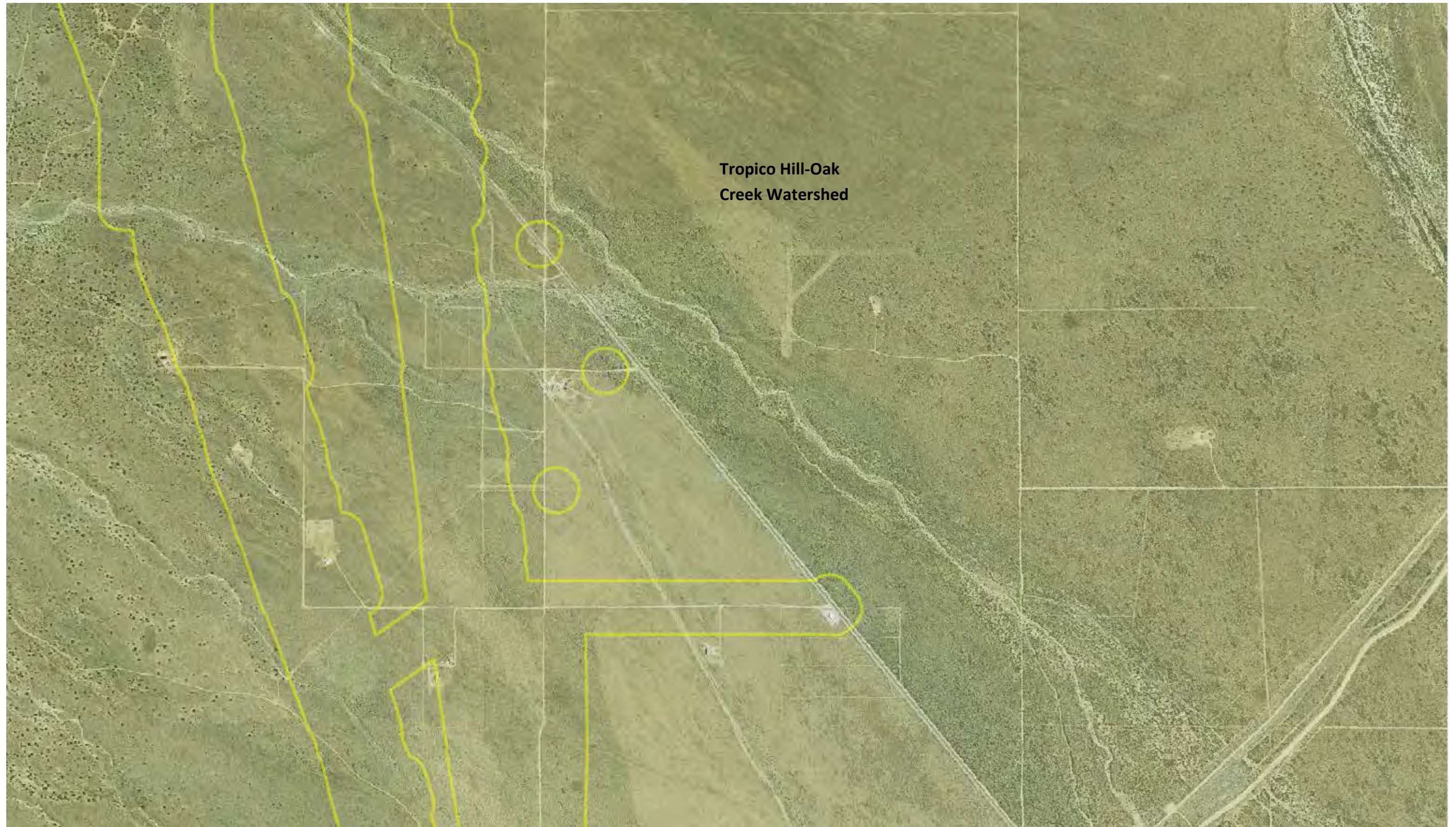
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Creek Watershed**

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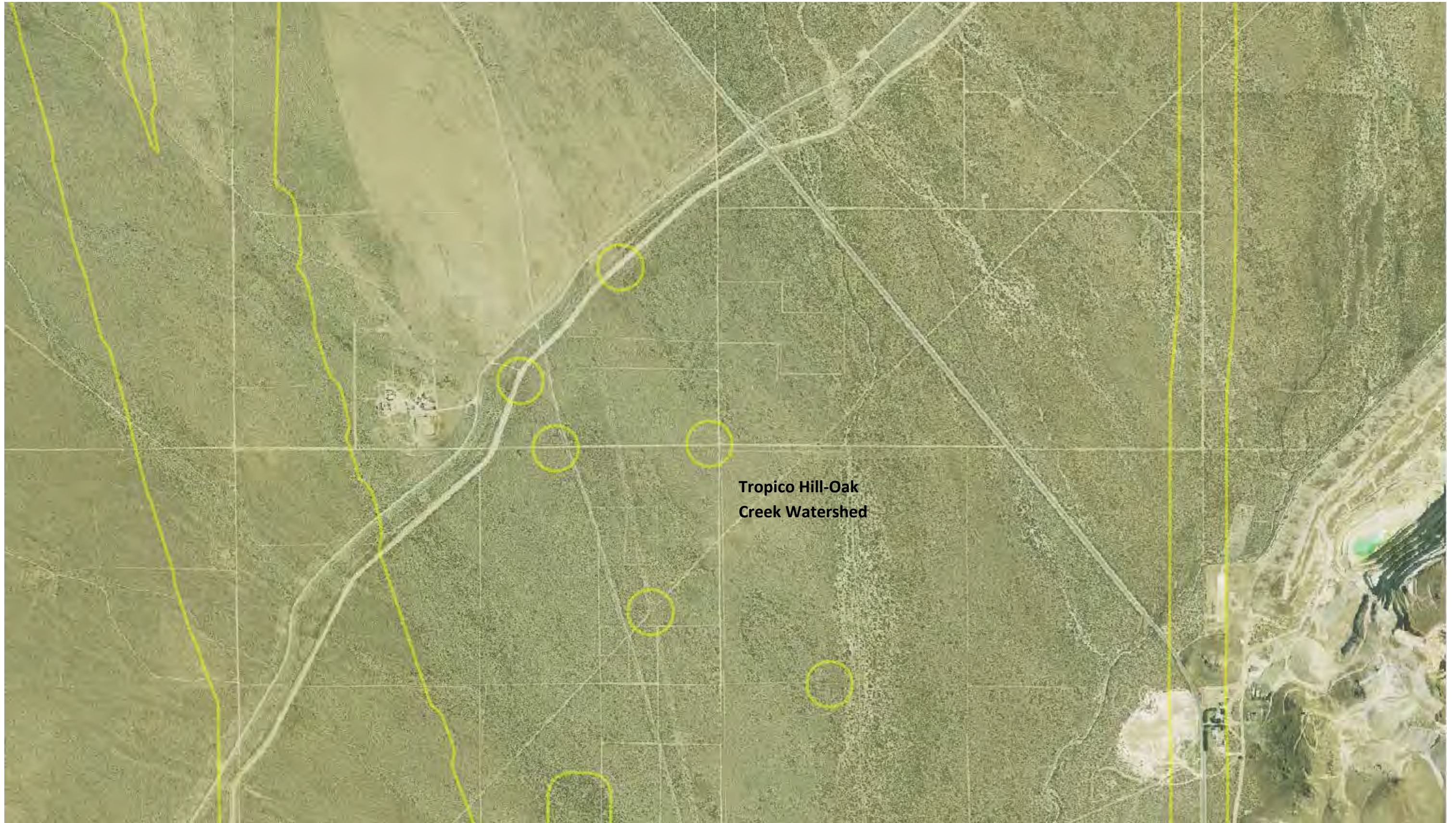
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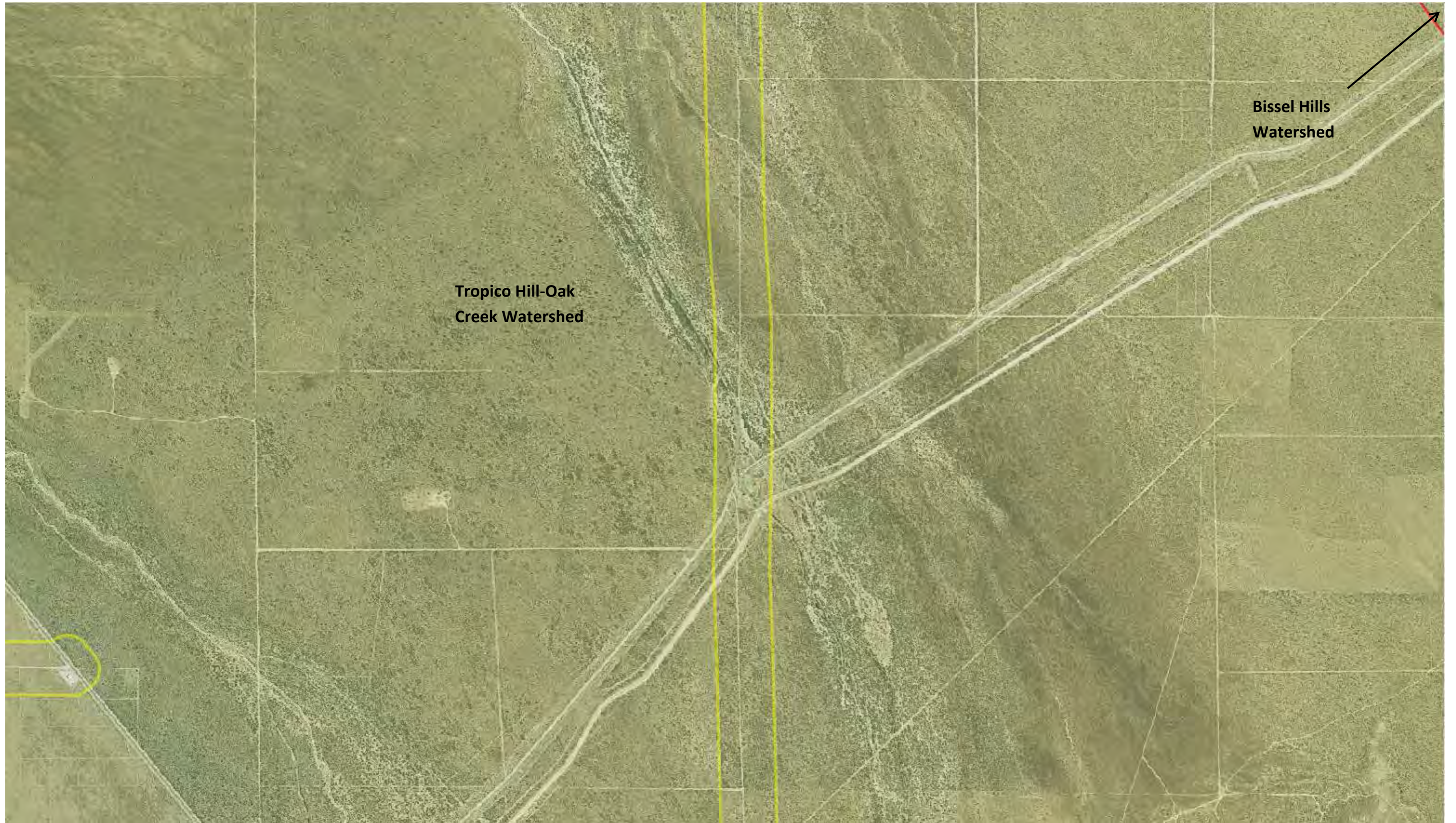


Tropico Hill-Oak
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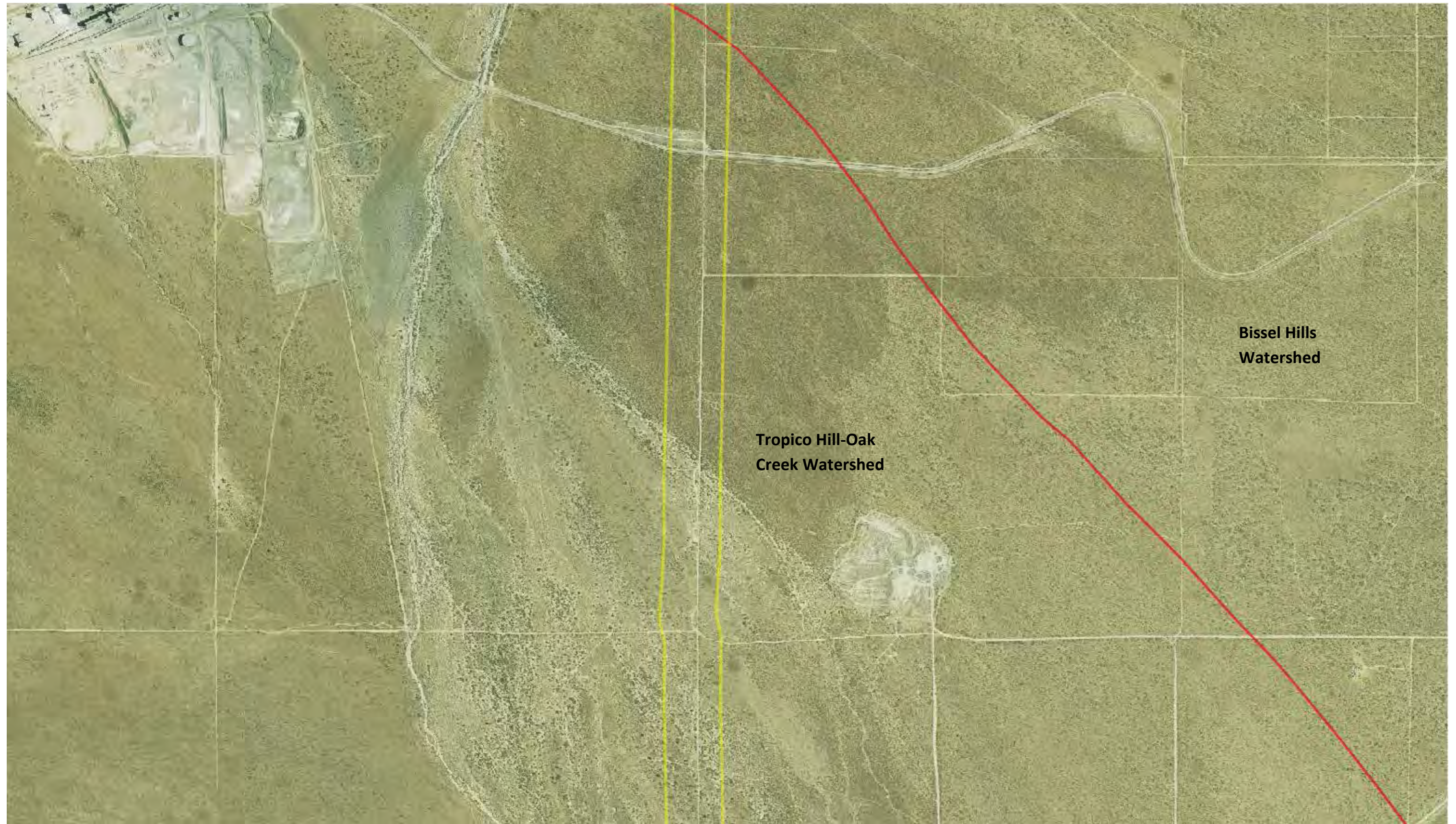
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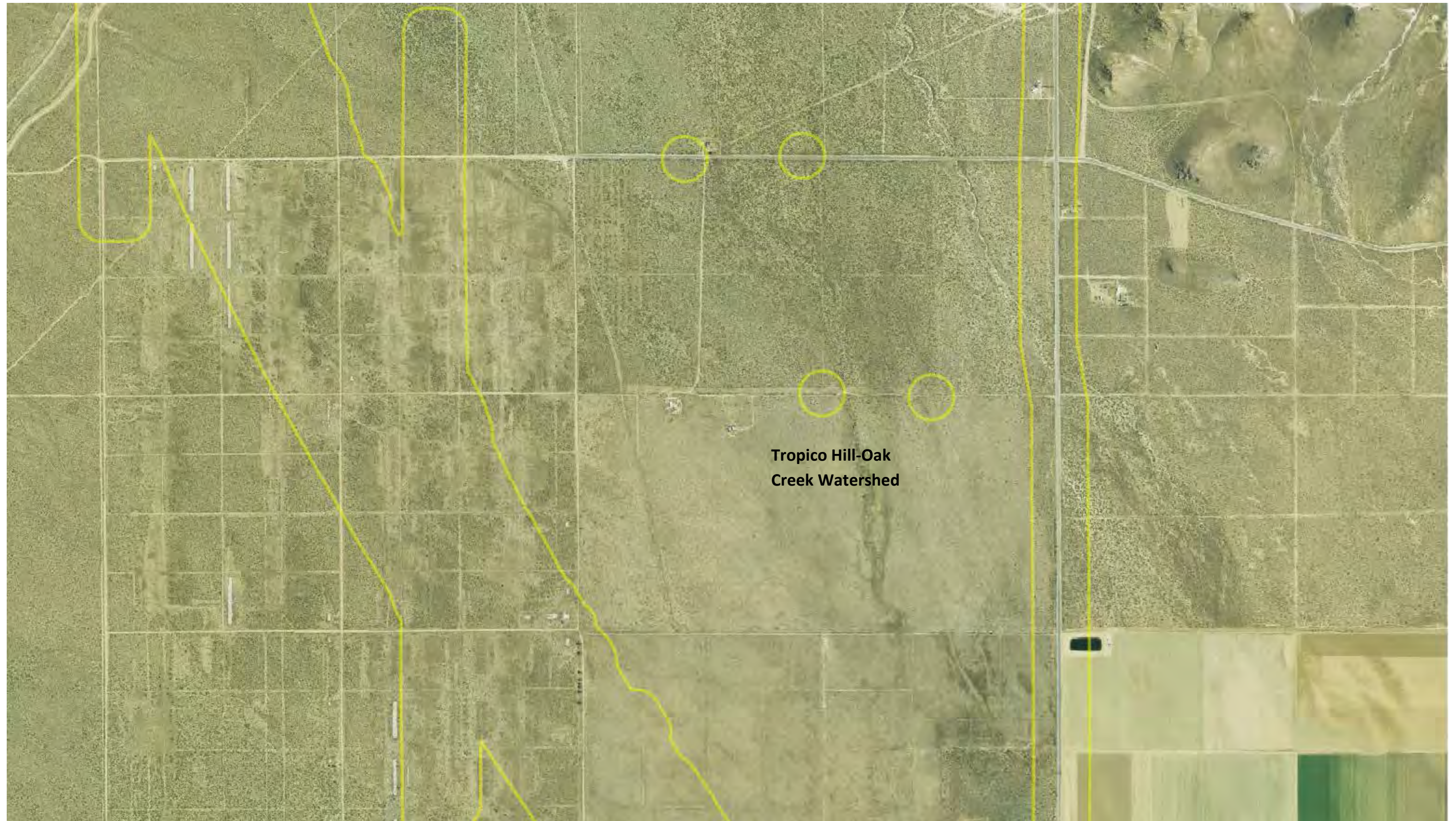
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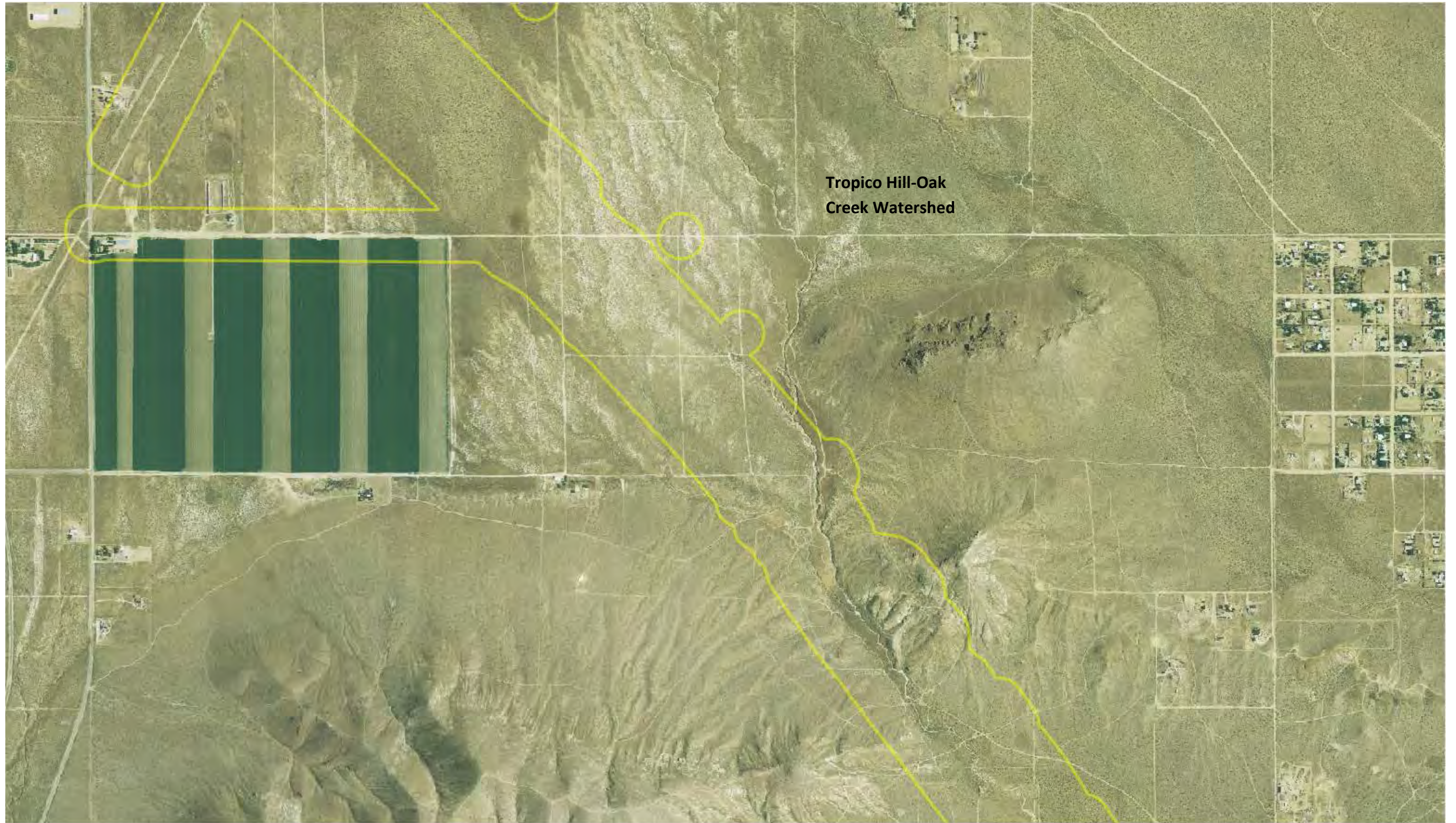
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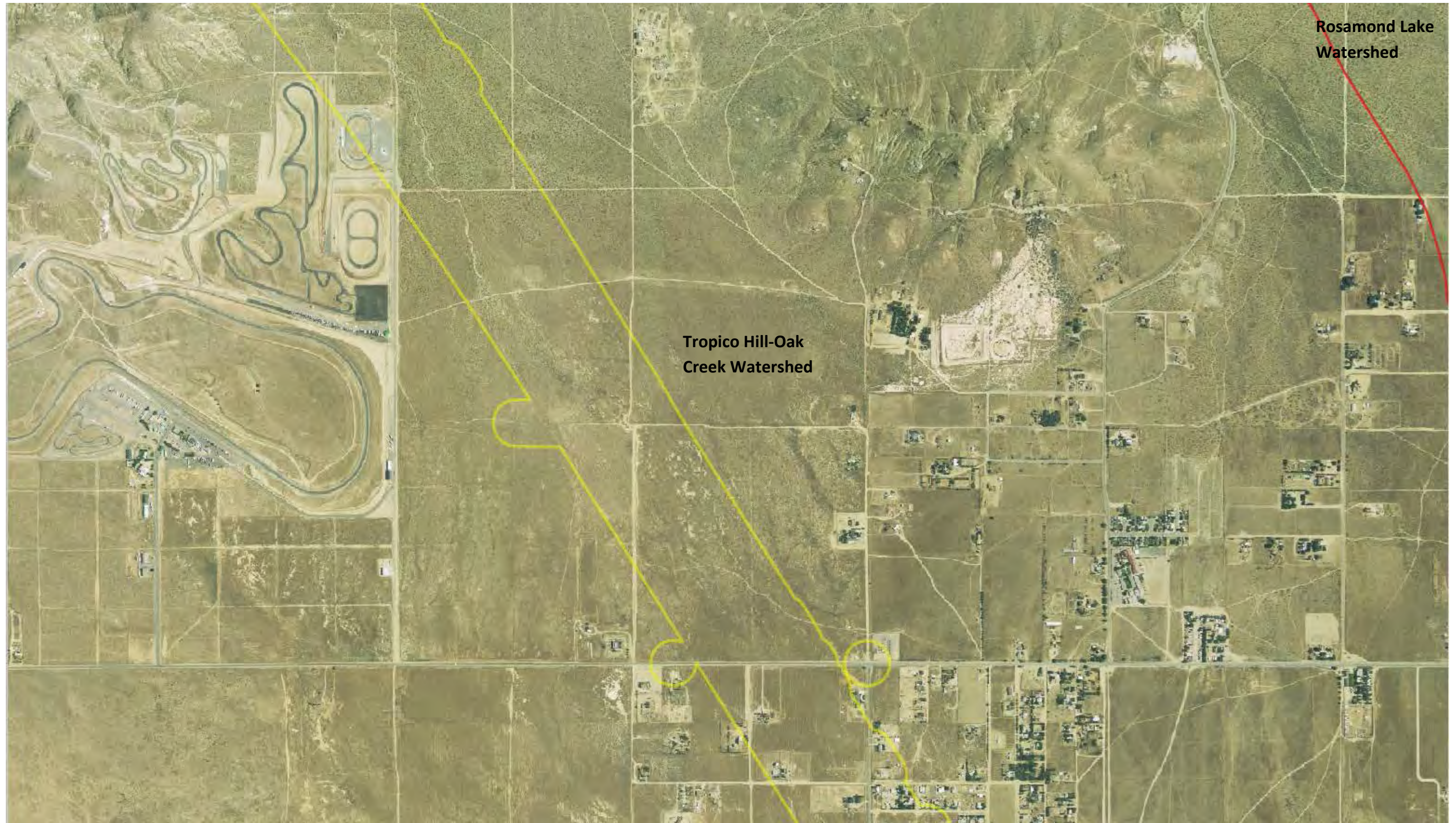
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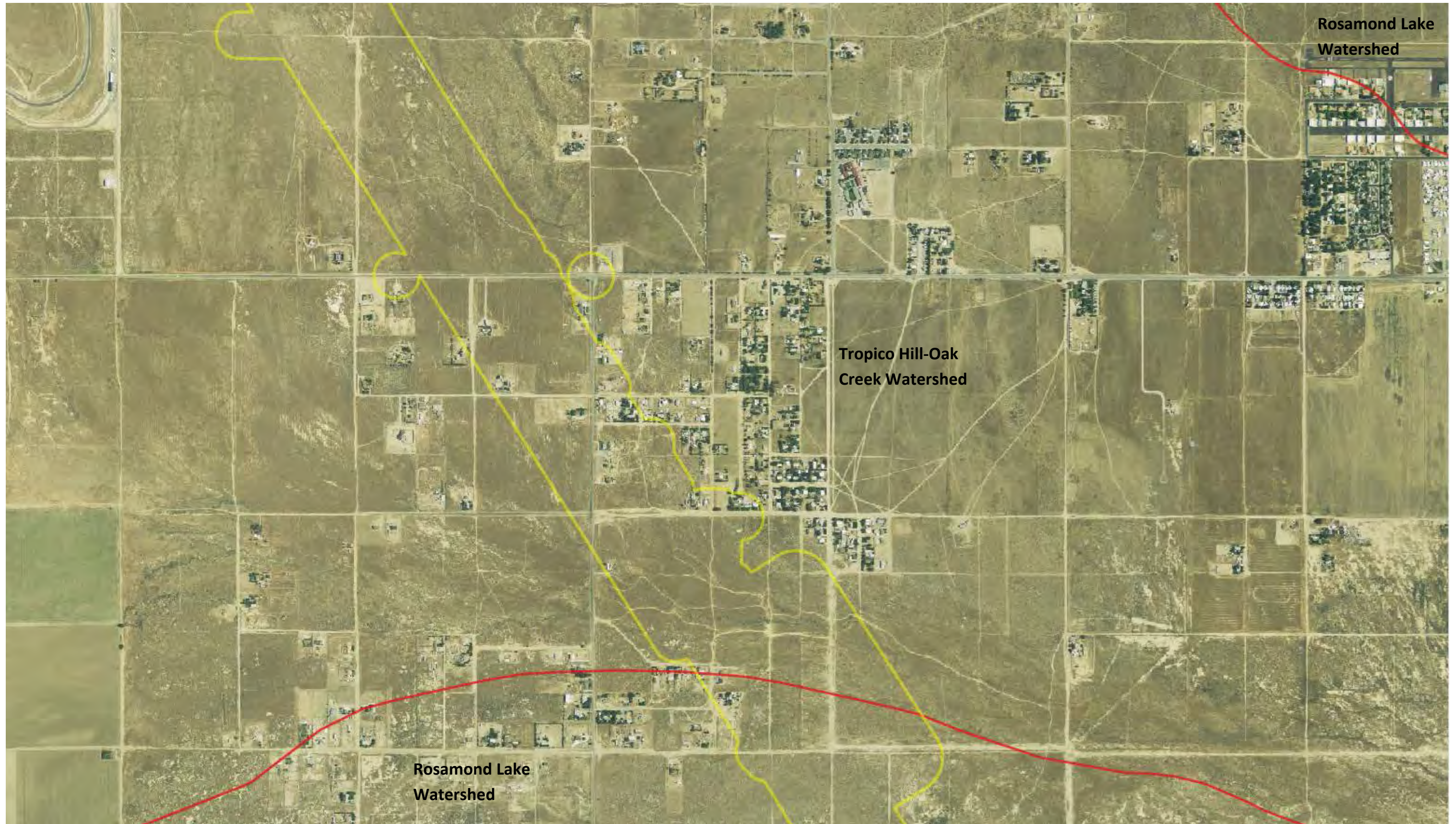
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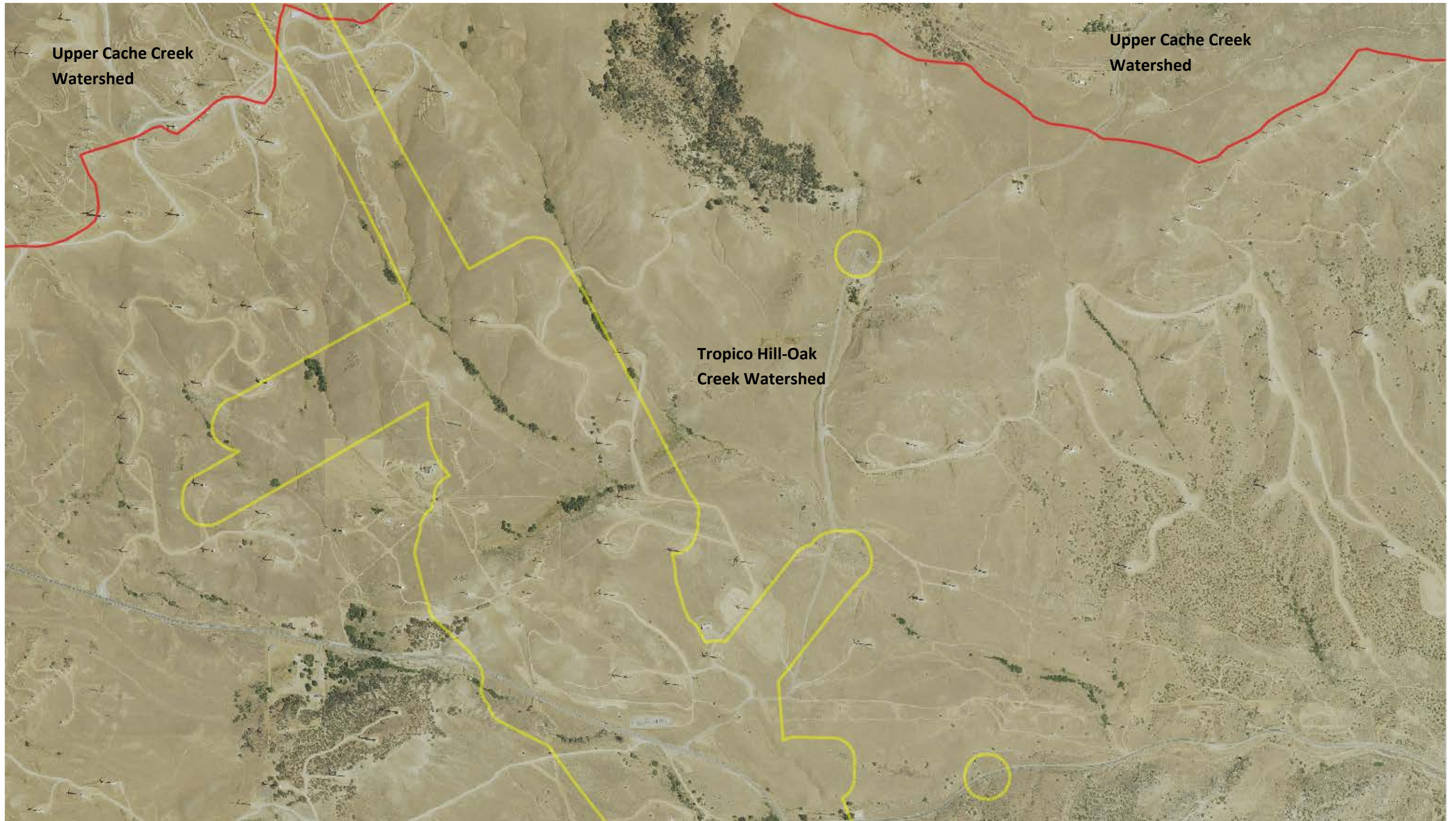
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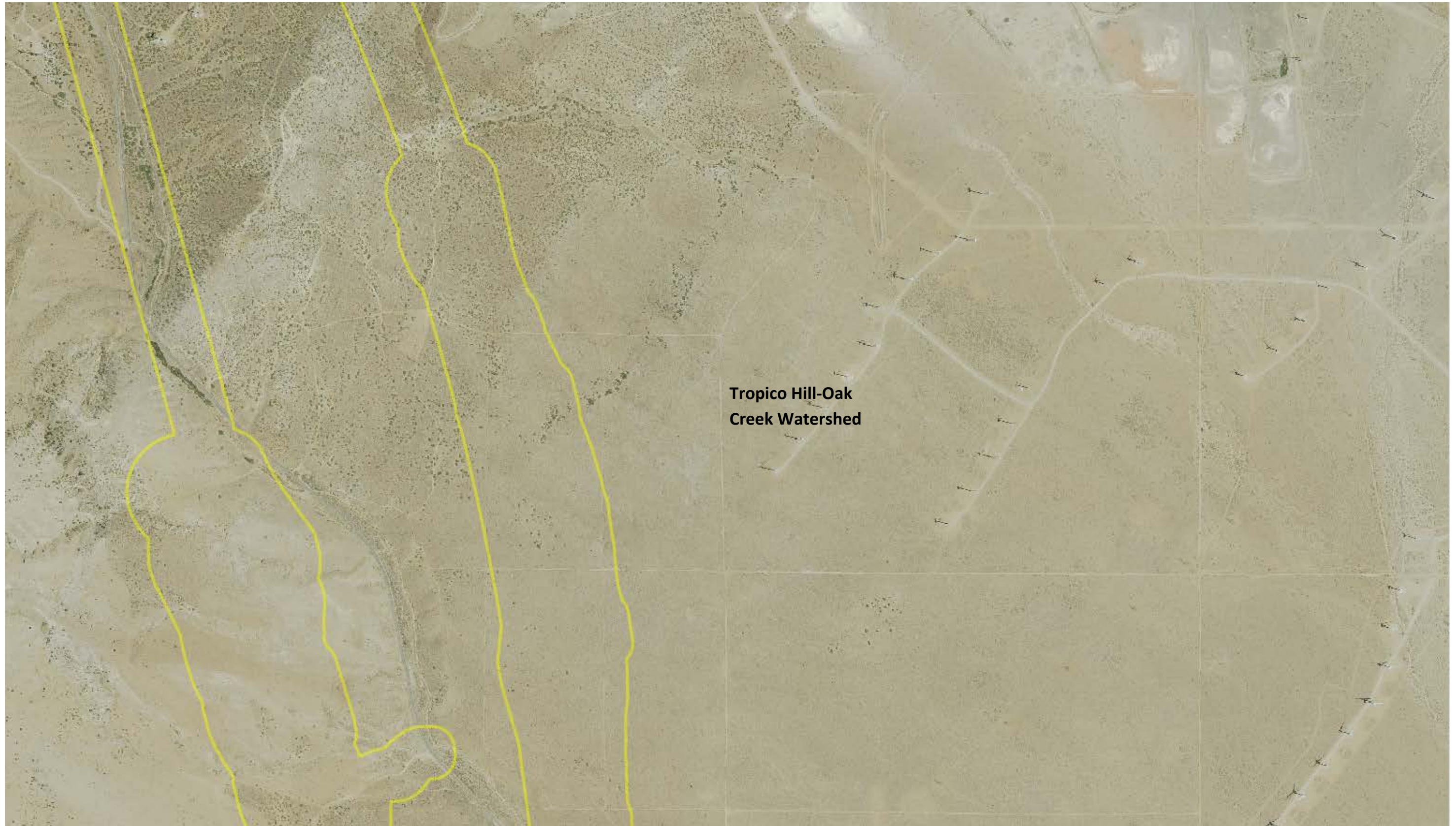
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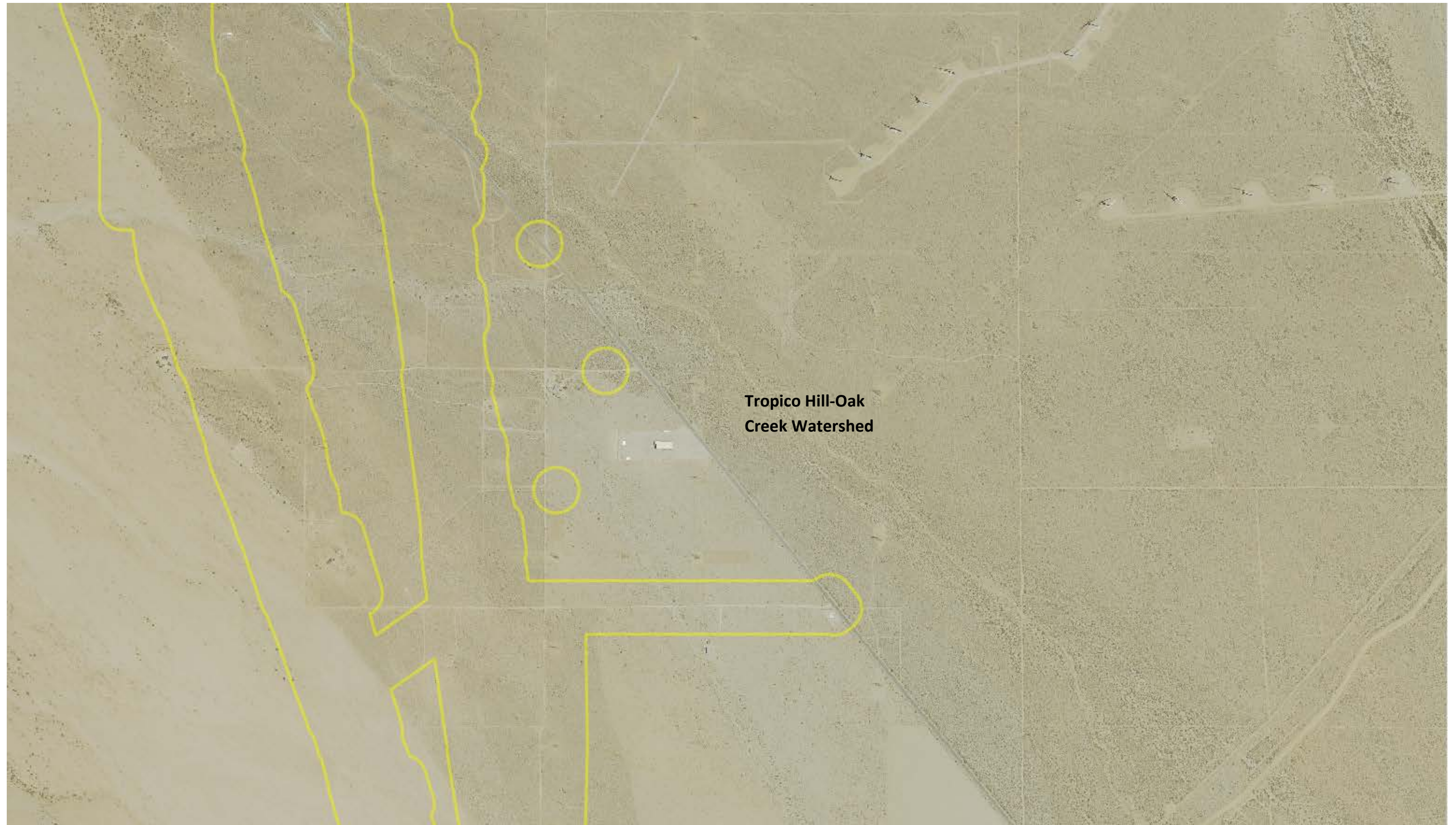
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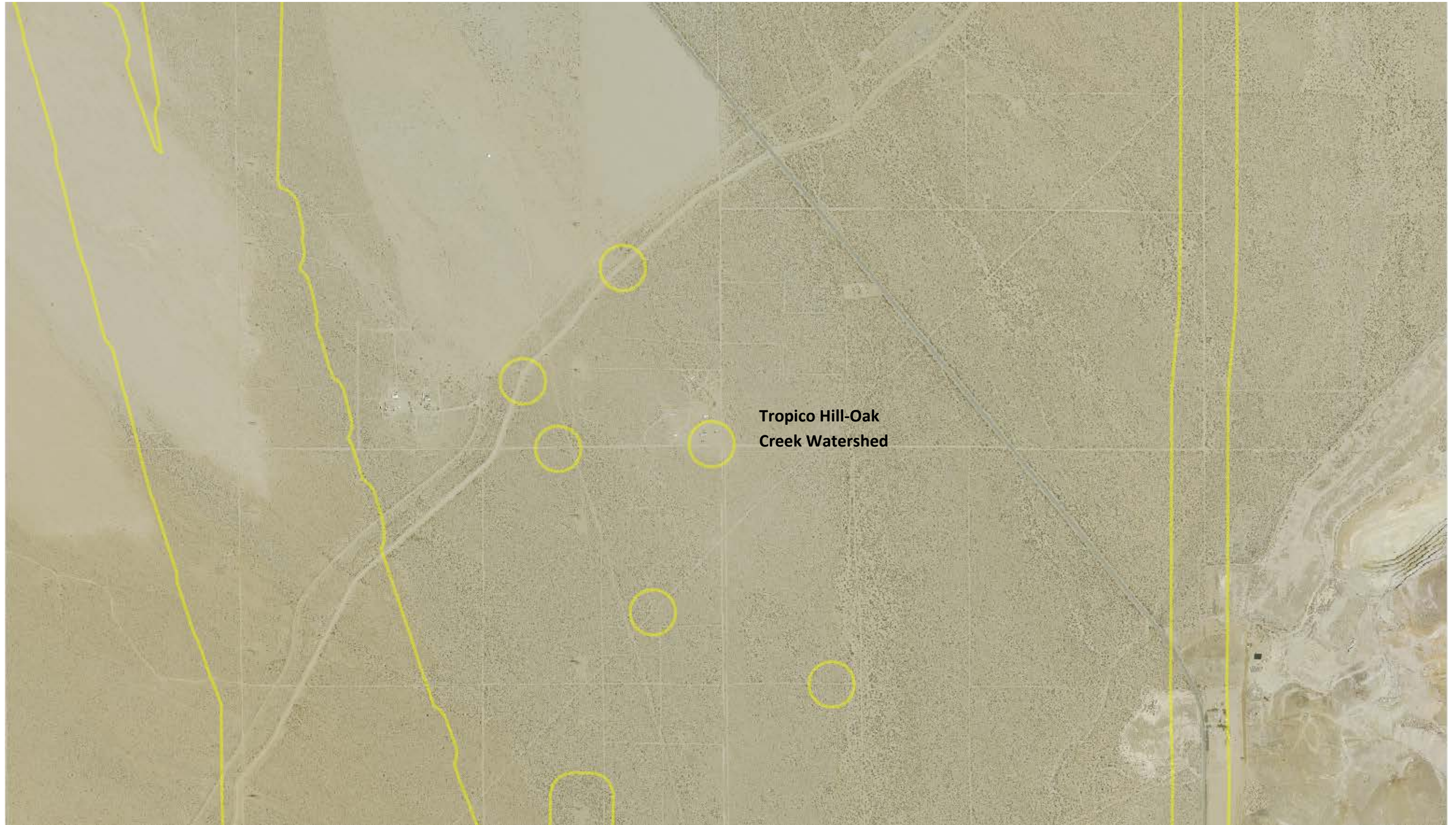
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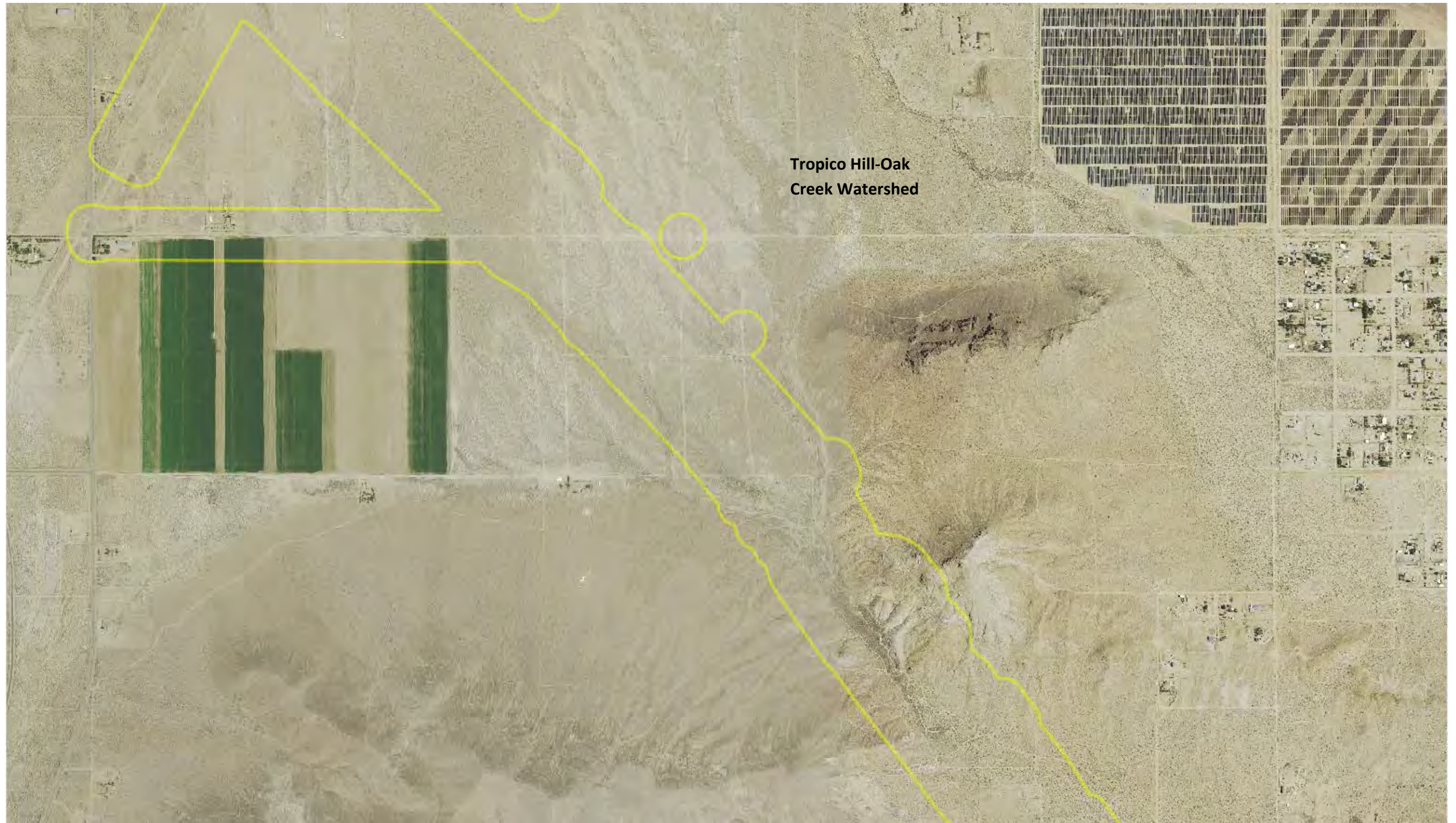


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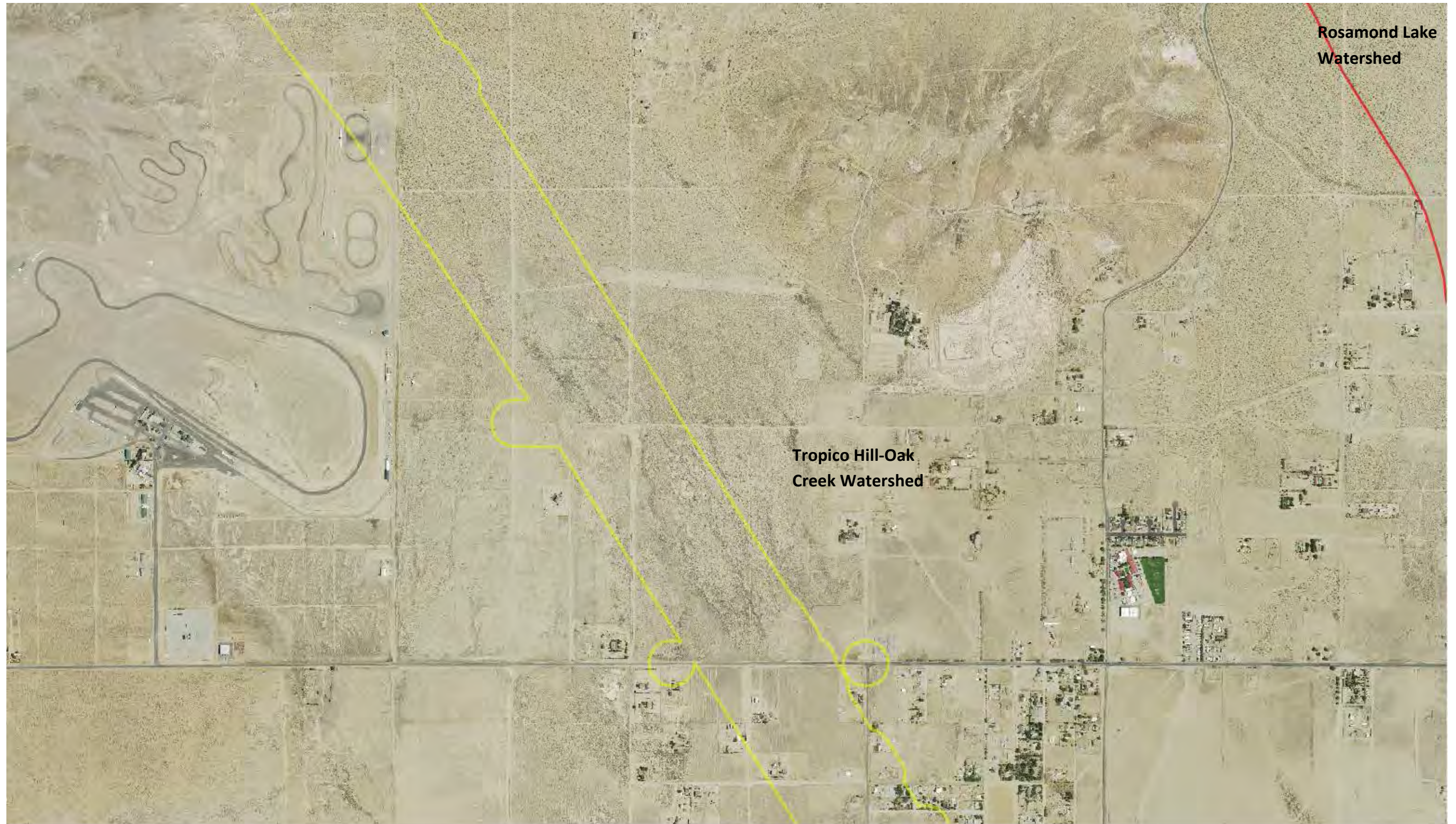


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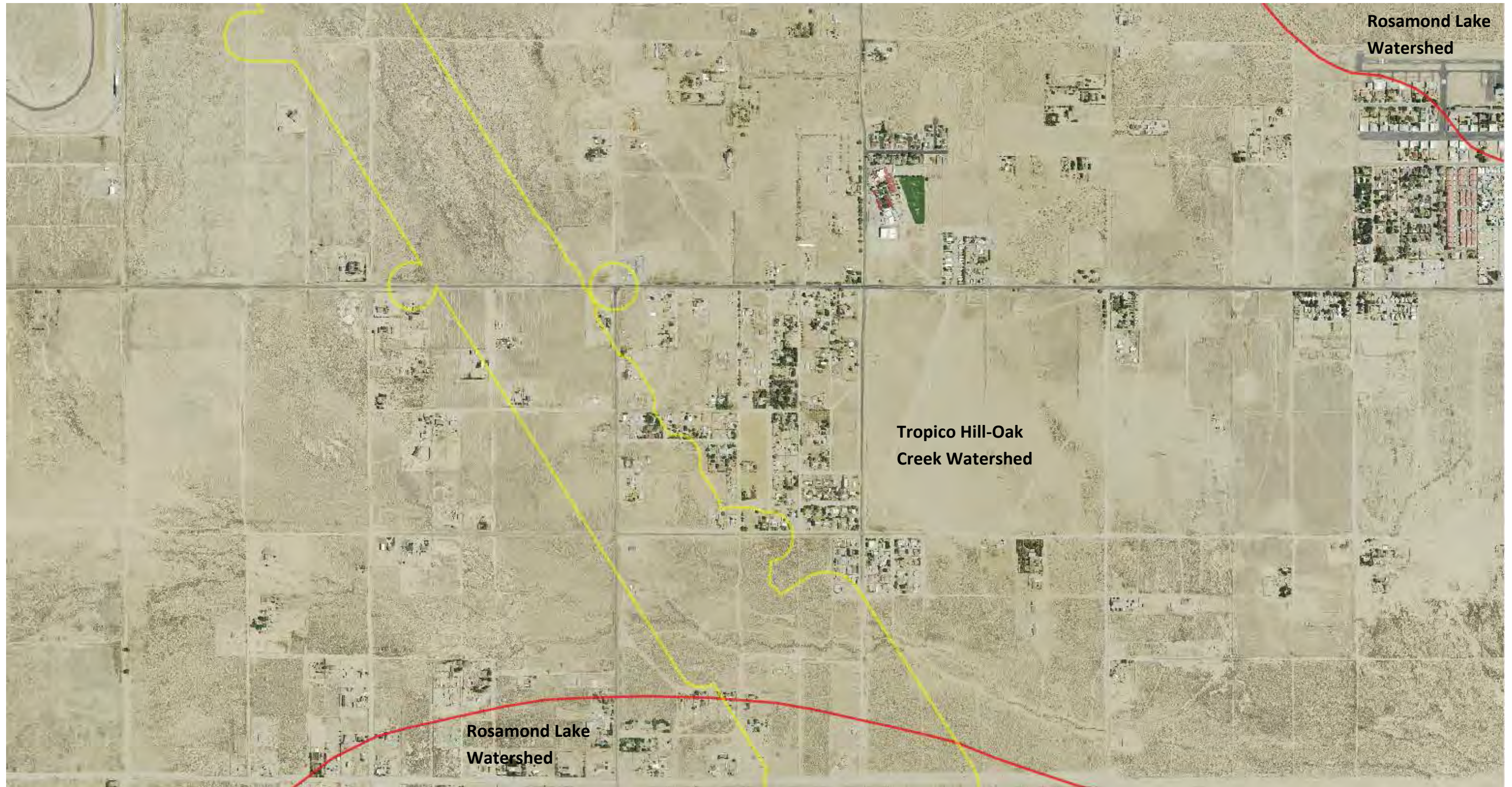
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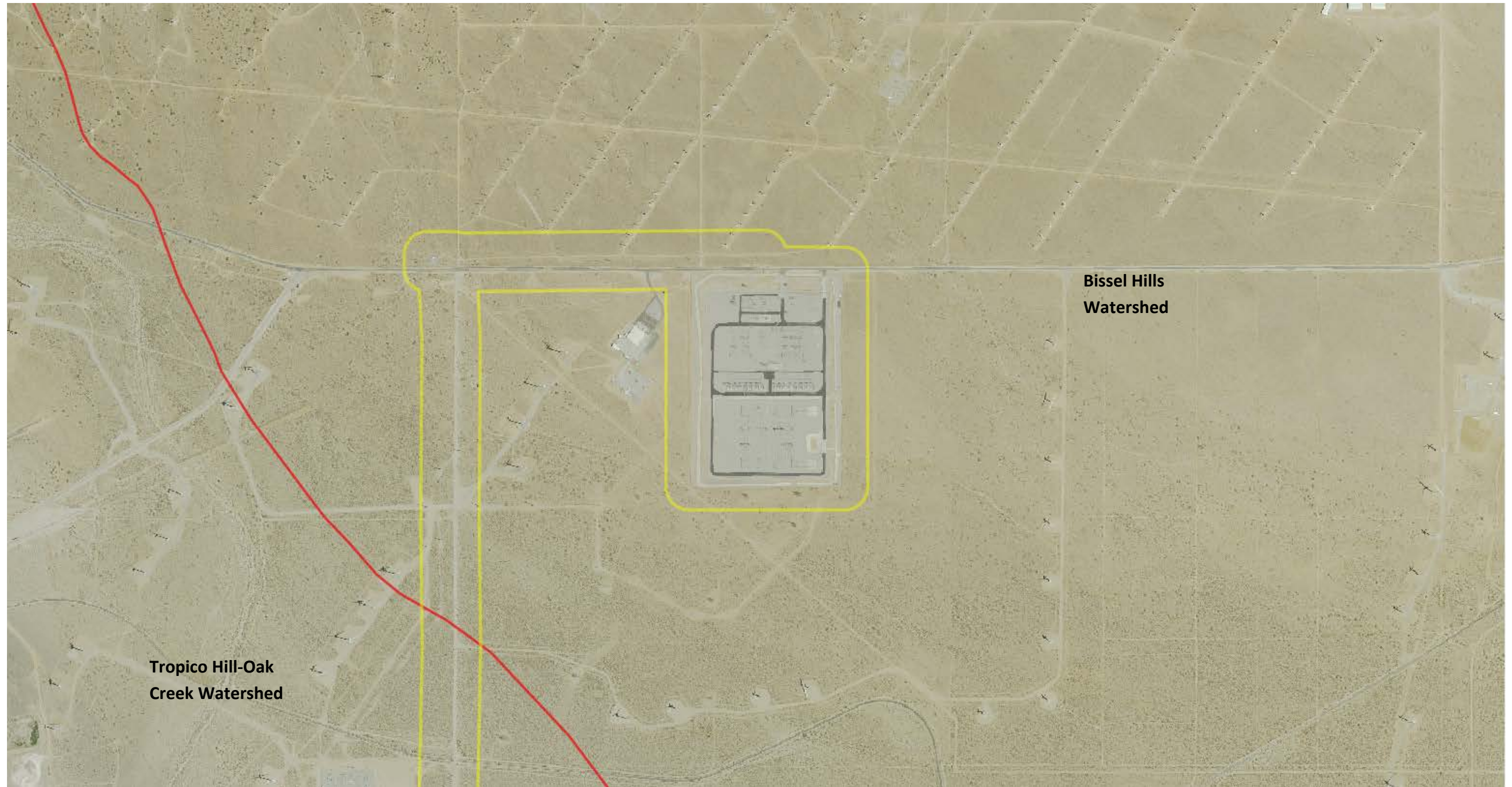
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Aerial Sources: <http://maps.co.kern.ca.us/arcgis/services/> and <http://gis.apfo.usda.gov/arcgis/services/NAIP/>

Retrieved November 4, 2016.



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APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): July 28, 2017

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: SPL-2010-00945-VCL - JD3

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: CA County/parish/borough: Kern County City: N/A
Center coordinates of site (lat/long in degree decimal format): Lat. 35.096907° **N**, Long. -118.391170° **W**.
Universal Transverse Mercator: 373200 m E, 3884676 m N

Name of nearest waterbody: Proctor Lake

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: N/A

Name of watershed or Hydrologic Unit Code (HUC): Proctor Lake, California - HUC12 #181902060102

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date: July 25, 2017

Field Determination. Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area (check all that apply):¹

- TNWs, including territorial seas
- Wetlands adjacent to TNWs
- Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs
- Non-RPWs that flow directly or indirectly into TNWs
- Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- Impoundments of jurisdictional waters
- Isolated (interstate or intrastate) waters, including isolated wetlands

b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: linear feet: width (ft) and/or acres.

Wetlands: acres.

c. Limits (boundaries) of jurisdiction based on: **Not Applicable.**

Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

The project area contains eight unnamed ephemeral streams spanning a total of approximately 9,722 linear feet (1.84 miles) and covering approximately 1.90 acres; two ditches that carry flow from some of these streams spanning a total of approximately 1,776 linear feet (0.34 miles) and covering approximately 0.21 acre; two seasonal wetlands totaling approximately 0.27 acre; and three basins totaling approximately 0.39 acre in the study area. The basins were constructed in uplands that do not capture waters of the U.S. Labeled maps and

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

tables of each of the above aquatic resources with dimensions are provided in the Aquatic Resources Delineation Report, which identifies each feature according to which HUC-12 watershed it occurs within. A completed copy of the Aquatic Resources sheet in the Consolidated ORM Upload Workbook is also appended.

There are no Traditional Navigable Waters (TNWs) or relatively permanent waters (RPWs) in the study area. Proctor Lake, an intermittent lake located east-northeast of the study area, is the low point in the watershed and terminus of surface water flows in this watershed. Unnamed ephemeral streams that cross through the study area, features Str_0211, Str_0213, Str_0215 through Str_0217, Str_0219, Str_0222 and Str_0229, originate in the hills southeast of the town of Tehachapi. Drainage is generally northeast toward Proctor Lake. In the hills, the channels are well-defined with an easily discerned bed and bank, and within the study area, the Ordinary High Water Mark was used to determine extent of these features. As topography flattens in the eastern Tehachapi Valley, these channels become swales, and the hydrologic connection to Proctor Lake includes sheet flow and overland flow. As the low point in the basin, Proctor Lake is the terminal receiving water for streams in the study area. In two locations, ditches constructed along roads capture water from these streams and transport it downstream and back into natural channels. Water from stream feature Str_0213 flows into a ditch, Ditch_0214, along Highline Road. Downstream of the study area, water from the ditch returns to a natural channel and flows toward Proctor Lake. A second ditch, Ditch_0210, conveys water rerouted around an industrial building and under Jameson Road into a natural channel downstream, Str_0211, that flows offsite toward Proctor Lake. A seasonal wetland just south of East Tehachapi Boulevard, feature SW_204, is in a shallow depression within a swale. When the depression overflows, water flows toward Proctor Lake in a swale and then as overland flow. A second seasonal wetland, feature SW_0226, is supported by a hillside seep. Overflowing water would run downhill into stream feature Str_0222.

Additionally, three small basins (Basin_0203, Basin_0208, and Basin_0209) are present in the study area. Basin_0203 appears to be a detention basin, and Basin_0208 and Basin_0209 appear to be holding ponds for irrigation water. All three are constructed as depressions in the ground. In the event that these features overflowed, water would sheet flow toward surface channels and overland toward Proctor Lake.

Features crossing through the study area were evaluated along their entire length to their terminus. Primary land uses within the study area include ranching, farming, surface mines for cement and aggregate, and wind power generation facilities. Rural residential uses were also noted. The drainages and ditches reviewed are ephemeral along their entire length, flowing for only a short time during and after storms, with no discernable commercial or industrial uses. The two seasonal wetlands may have shallow surface water for several weeks, but do not support any discernable commercial or industrial uses, and are not navigable. The detention basin appears to serve as a stormwater control feature, while the irrigation ponds support cultivated agricultural uses. Water is not captured or used for mining or another interstate or foreign commerce.

A previous approved jurisdictional determination was made for tributaries to Proctor Lake with similar characteristics to those identified in this study area. On June 28, 2012, a determination was made for drainages in the SCE Antelope Transmission Line Project: TRTP Segment 3B area, that drain toward Proctor Lake (SPL-2012-00214-SLP, JD2). The previous determination found that Proctor Lake is the low point for drainages that fall within the watershed. It serves as the terminus for the ephemeral waters analyzed in the 2012 determination, as well as for all other waters within this isolated basin. All surface flows that enter Proctor Lake either evaporate or percolate into the groundwater table. Heavy pumping in areas south of Tehachapi and Monolith has altered the movement of groundwater due to the creation of a large pumping depression (See California Groundwater Bulletin 118). No perennial streams exist within the study area for the Proctor Lake watershed. The determination made in 2012 found that there are no published commercial uses of any of the surface waters and a review of current conditions indicated that this has not changed in the intervening years. A site visit conducted on July 18, 2016 confirmed that Proctor Lake is an intermittently dry lake, that is currently a meadow grazed by cattle, that does not support navigation, and does not support commercial or industrial uses of surface waters.

Proctor Lake, as the terminus for the project waters, is not a TNW. Moreover, Proctor Lake is not an (a)(3) water as defined by 33 C.F.R. section 328.3. Proctor Lake does not meet criteria (a)(3)(i-iii), as it: i) does not have use for surface water recreation or other purposes by foreign or interstate travelers, ii) does not have harvesting activities of fish or shellfish that may be sold in interstate or foreign commerce, and iii) does not have surface water industrial usage by industries in interstate commerce. Lastly, the project waters are not (a)(3) waters as defined by 33 C.F.R. section 328.3. The above is based upon the Aquatic Resources Delineation Report for the California High-Speed Rail Project, Bakersfield to Palmdale Section, and all other references listed in Section IV of this form, as well as the review of aerial photographs (Google Earth) that also did not show surface water usage of the subject waters or the dry lake terminus. Therefore, since Proctor Lake is an intrastate, isolated water without a surface water connection to commerce, all project waters as part of the overall Proctor Lake watershed system are also isolated and additionally have no nexus to commerce. Based on the above information, all subject waters (isolated non-RPWs) within the Proctor Lake watershed are non-jurisdictional, since the waters are not tributary to either a TNW or an (a)(3) water and are not (a)(3) waters themselves. Therefore, the eight segments of unnamed ephemeral streams, two segments of ditches, two seasonal wetlands, and three basins within the study are intrastate, isolated waters with no interstate or foreign commerce connection and therefore are not currently regulated.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: .

Summarize rationale supporting determination: .

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is “adjacent”:

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are “relatively permanent waters” (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: **Pick List**

Drainage area: **Pick List**

Average annual rainfall: inches

Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

Tributary flows directly into TNW.

Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.

Project waters are **Pick List** river miles from RPW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Project waters are **Pick List** aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain: .

Identify flow route to TNW⁵:

Tributary stream order, if known: .

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b) General Tributary Characteristics (check all that apply):

Tributary is: Natural
 Artificial (man-made). Explain:
 Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

Average width: feet
Average depth: feet
Average side slopes: **Pick List**.

Primary tributary substrate composition (check all that apply):

Silts Sands Concrete
 Cobbles Gravel Muck
 Bedrock Vegetation. Type/% cover:
 Other. Explain:

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:

Presence of run/riffle/pool complexes. Explain:

Tributary geometry: **Pick List**

Tributary gradient (approximate average slope): %

(c) Flow:

Tributary provides for: **Pick List**

Estimate average number of flow events in review area/year: **Pick List**

Describe flow regime:

Other information on duration and volume:

Surface flow is: **Pick List**. Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

Tributary has (check all that apply):

Bed and banks
 OHWM⁶ (check all indicators that apply):
 clear, natural line impressed on the bank the presence of litter and debris
 changes in the character of soil destruction of terrestrial vegetation
 shelving the presence of wrack line
 vegetation matted down, bent, or absent sediment sorting
 leaf litter disturbed or washed away scour
 sediment deposition multiple observed or predicted flow events
 water staining abrupt change in plant community
 other (list):
 Discontinuous OHWM.⁷ Explain:

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

High Tide Line indicated by: Mean High Water Mark indicated by:
 oil or scum line along shore objects survey to available datum;
 fine shell or debris deposits (foreshore) physical markings;
 physical markings/characteristics vegetation lines/changes in vegetation types.
 tidal gauges
 other (list):

(iii) **Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain:

Identify specific pollutants, if known:

⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷Ibid.

(iv) **Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

2. **Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

(i) **Physical Characteristics:**

(a) General Wetland Characteristics:

Properties:

Wetland size: _____ acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

Directly abutting

Not directly abutting

Discrete wetland hydrologic connection. Explain:

Ecological connection. Explain:

Separated by berm/barrier. Explain:

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately () acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N) Size (in acres) Directly abuts? (Y/N) Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
 TNWs: linear feet width (ft), Or, acres.
 Wetlands adjacent to TNWs: acres.
2. **RPWs that flow directly or indirectly into TNWs.**
 Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:
 Tributaries of TNW where tributaries have continuous flow “seasonally” (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.

Identify type(s) of waters: .

3. Non-RPWs⁸ that flow directly or indirectly into TNWs.

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.

Identify type(s) of waters: .

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
 Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

- Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. Impoundments of jurisdictional waters.⁹

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- Demonstrate that impoundment was created from "waters of the U.S.," or
 Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
 Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):¹⁰

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
 from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
 which are or could be used for industrial purposes by industries in interstate commerce.
 Interstate isolated waters. Explain: .
 Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

⁸See Footnote # 3.

⁹ To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

¹⁰ Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres.
 Identify type(s) of waters: .
- Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
 - Prior to the Jan 2001 Supreme Court decision in “*SWANCC*,” the review area would have been regulated based solely on the “Migratory Bird Rule” (MBR).
- Waters do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction. Explain: .
- Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): **9722** linear feet **ranging from 5 to 20 feet in** width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: 1.33 acres. List type of aquatic resource: Basins 0.39 acres, Ditches 0.21 acres, Streams 1.90 acres (9,722 linear feet).
- Wetlands: 0.27 acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource: .
- Wetlands: acres.

SECTION IV: DATA SOURCES.

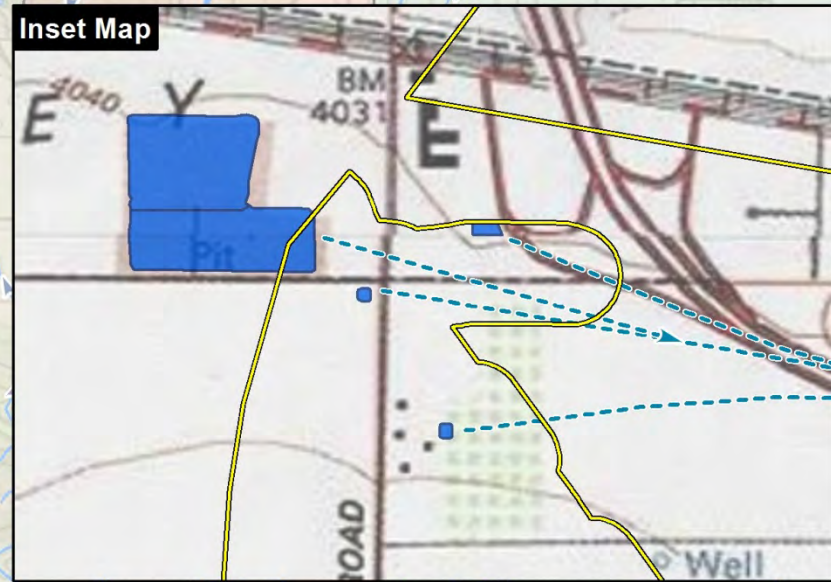
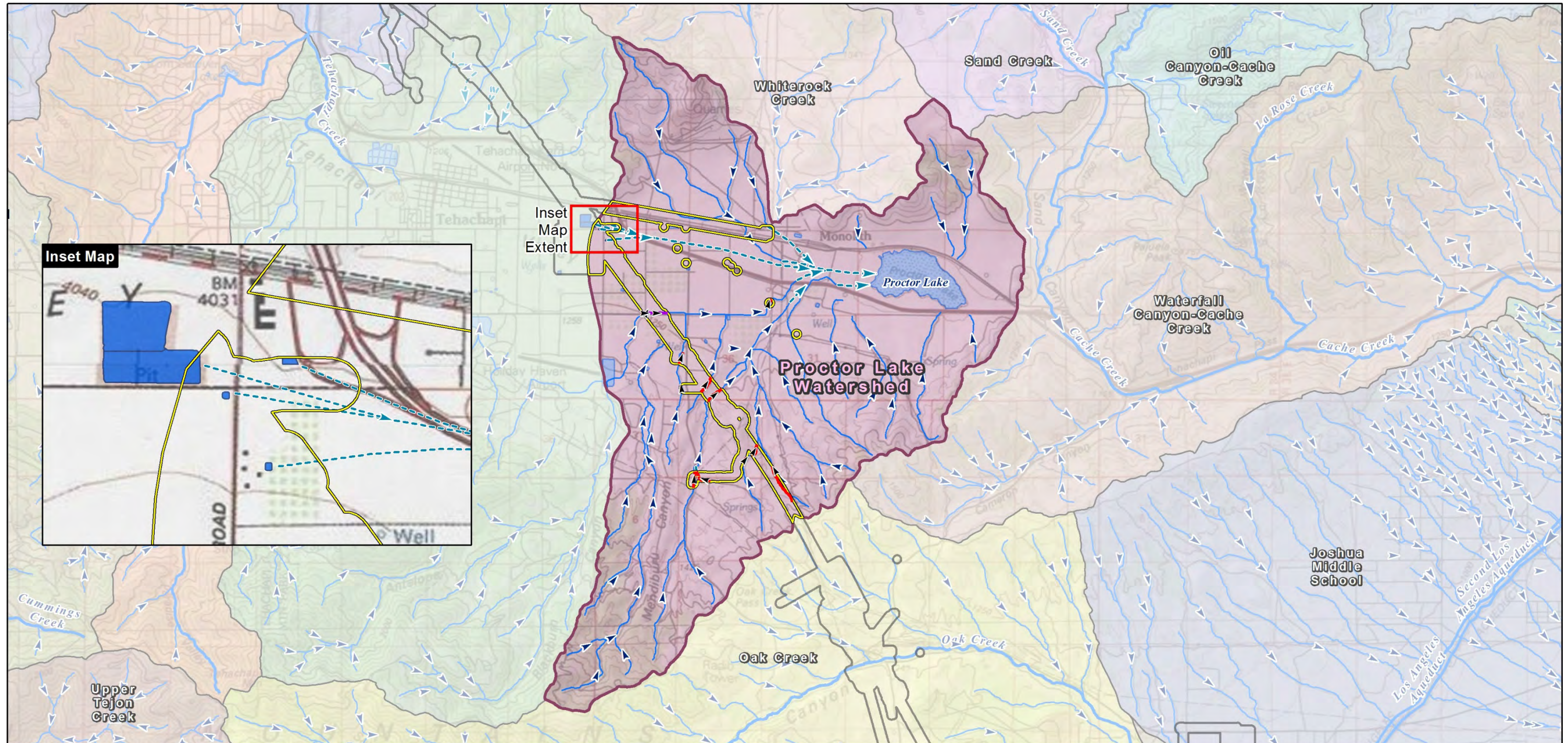
A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Features are depicted on Map Sheets 66-79 in Appendix E of the submitted delineation. .
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps: .
- Corps navigable waters’ study: .
- U.S. Geological Survey Hydrologic Atlas:HUC12 boundaries and NHD flowlines are shown on the enclosed figures..
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Monolith, Tehachapi North, and Tehachapi South 7.5-minute quadrangles.
- USDA Natural Resources Conservation Service Soil Survey. Citation: .
- National wetlands inventory map(s). Cite name: .
- State/Local wetland inventory map(s): .
- FEMA/FIRM maps: .
- 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): NAIP Imagery 2005 and 2014 at 1-m resolution; Kern County Imagery 2010 and 2014 at 1-foot resolution.
 or Other (Name & Date):See attached Photos from 2015 and 2016 consultant-conducted field work.
- Previous determination(s). File no. and date of response letter: SPL-2012-00214-SLP, JD2, dated June 28, 2012; additional previous determinations are cited in SPL-2012-00214-SLP, JD2.
- Applicable/supporting case law: .
- Applicable/supporting scientific literature: .
- Other information (please specify): Aquatic Resources Delineation Report prepared by the applicant/consultant references additional materials; also note Appendix E contains map sheets; Appendix F contains dimensions. HUC watershed maps of review areas

with NHD Data provided by the applicant/consultant. Streaming imagery sources were reviewed, including Bing Aerial Imagery - multiple years (scale dependent), ESRI World Imagery (streaming service) multiple years (scale dependent); Google Earth imagery. The California Groundwater Bulletin 118 report for the Tehachapi East groundwater basin (last updated 2004) was also reviewed (enclosed).

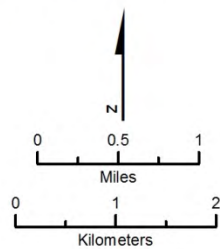
B. ADDITIONAL COMMENTS TO SUPPORT JD:

| Waters_Name | Cowardin_Code | HGM_Code | Amount | Units | Waters_Type | Latitude | Longitude |
|--------------|---------------|----------|--------|-------|-------------|-----------|-------------|
| Basin_0203 | PUB | RIVERINE | 0.20 | ACRE | ISOLATE | 35.125046 | -118.412559 |
| SW_0204 | PEM | DEPRESS | 0.04 | ACRE | ISOLATE | 35.122714 | -118.383971 |
| Basin_0208 | PUB | RIVERINE | 0.09 | ACRE | ISOLATE | 35.124114 | -118.414622 |
| Basin_0209 | PUB | RIVERINE | 0.10 | ACRE | ISOLATE | 35.122218 | -118.413230 |
| Ditch_0210 | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 35.111278 | -118.379226 |
| Str_0211 | R6 | RIVERINE | 0.06 | ACRE | ISOLATE | 35.111964 | -118.378768 |
| Str_0213 | R6 | RIVERINE | 0.01 | ACRE | ISOLATE | 35.109555 | -118.405087 |
| Ditch_0214 | R6 | RIVERINE | 0.17 | ACRE | ISOLATE | 35.109763 | -118.402784 |
| Str_0215-001 | R6 | RIVERINE | 0.18 | ACRE | ISOLATE | 35.096715 | -118.397401 |
| Str_0215-002 | R6 | RIVERINE | 0.35 | ACRE | ISOLATE | 35.102019 | -118.397420 |
| Str_0216-001 | R6 | RIVERINE | 0.08 | ACRE | ISOLATE | 35.080638 | -118.394665 |
| Str_0216-002 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 35.082092 | -118.394515 |
| Str_0216-003 | R6 | RIVERINE | 0.14 | ACRE | ISOLATE | 35.095748 | -118.390665 |
| Str_0217 | R6 | RIVERINE | 0.16 | ACRE | ISOLATE | 35.097302 | -118.391986 |
| Str_0219-001 | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 35.084680 | -118.384014 |
| Str_0219-002 | R6 | RIVERINE | 0.20 | ACRE | ISOLATE | 35.086047 | -118.381765 |
| Str_0222-001 | R6 | RIVERINE | 0.12 | ACRE | ISOLATE | 35.081107 | -118.392630 |
| Str_0222-002 | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 35.082118 | -118.393911 |
| SW_0226 | PEM | SLOPE | 0.23 | ACRE | ISOLATE | 35.082256 | -118.391571 |
| Str_0229 | R6 | RIVERINE | 0.49 | ACRE | ISOLATE | 35.080231 | -118.376609 |



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 15, 2016



BP HSR Mapped Streams with OHWM in Proctor Lake Watershed Study Area

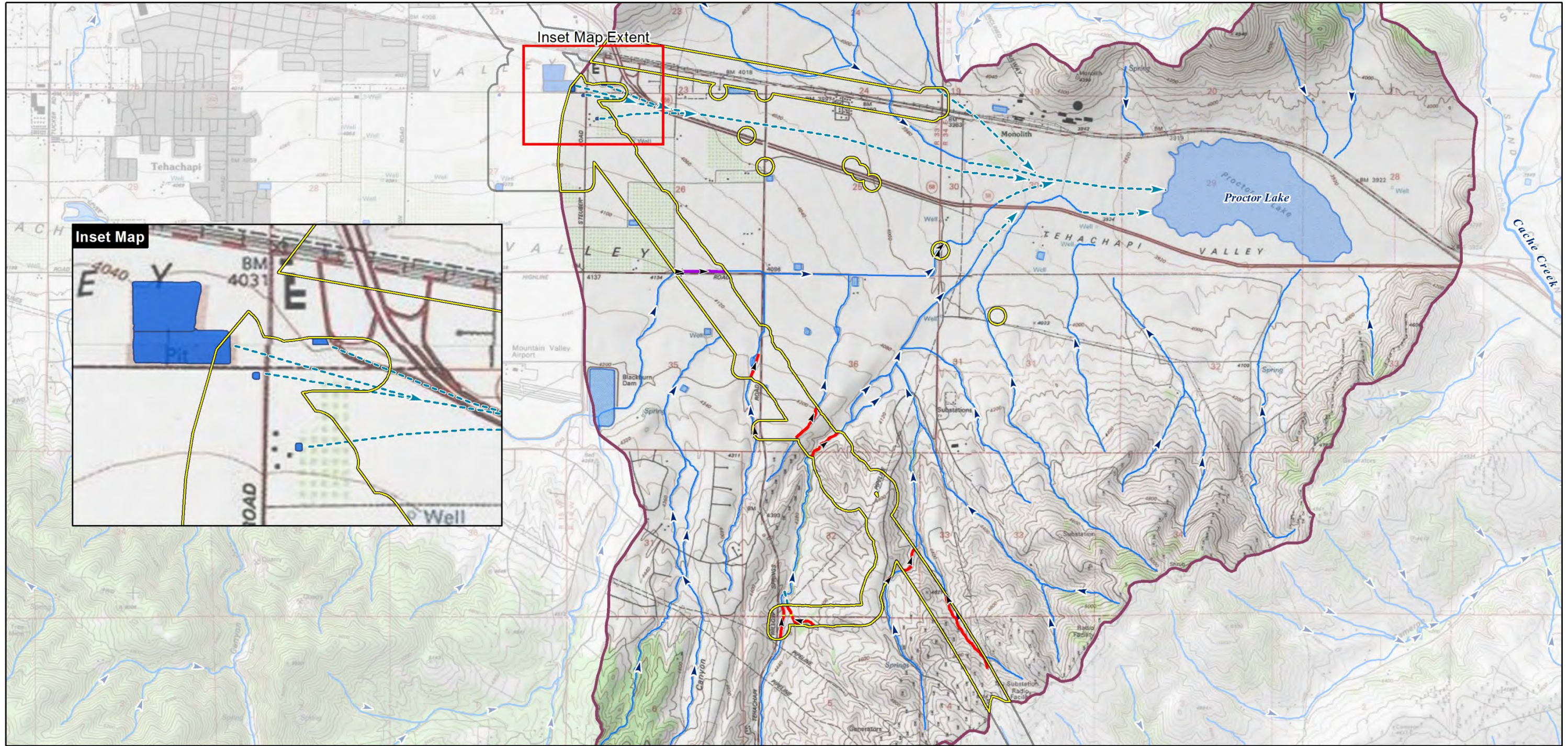
- ▶ Culvert
- ▶ Ephemeral Stream
- ▶ Ditch

- Study Area in Proctor Lake
- Proctor Lake HUC-12 Watershed
- Other HUC-12 Watersheds
- Wetlands Study Area (Project Footprint + 250 ft Buffer)

- NHD Waterbodies
- ▶ Direction of flow based on NHD flowlines
- ▶ Presumed Hydrologic Path
- Basins

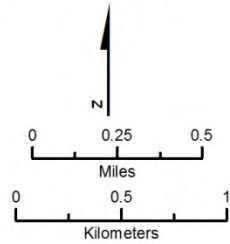
Proctor Lake Watershed Hydrologic Connectivity





PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 15, 2016



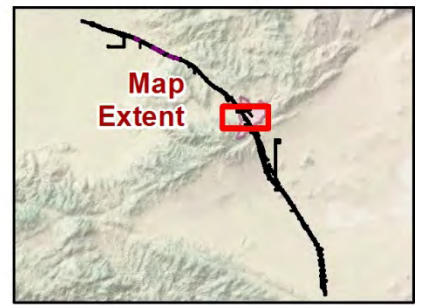
BP HSR Mapped Streams with OHWM in Proctor Lake Watershed Study Area

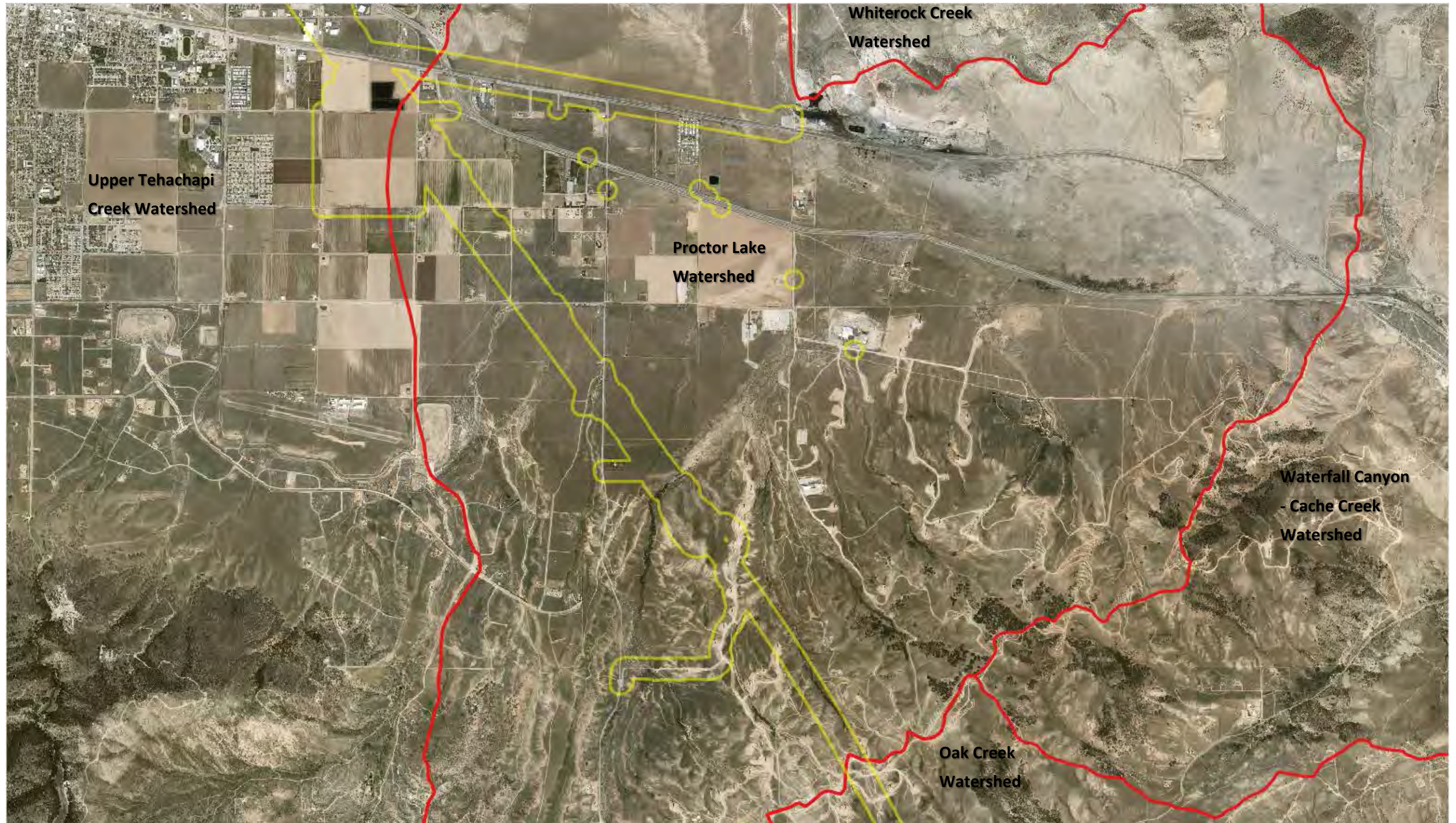
- Culvert
- Ephemeral Stream
- Ditch

- Study Area in Proctor Lake Watershed
- Proctor Lake HUC-12 Watershed
- Wetlands Study Area (Project Footprint + 250 ft Buffer)

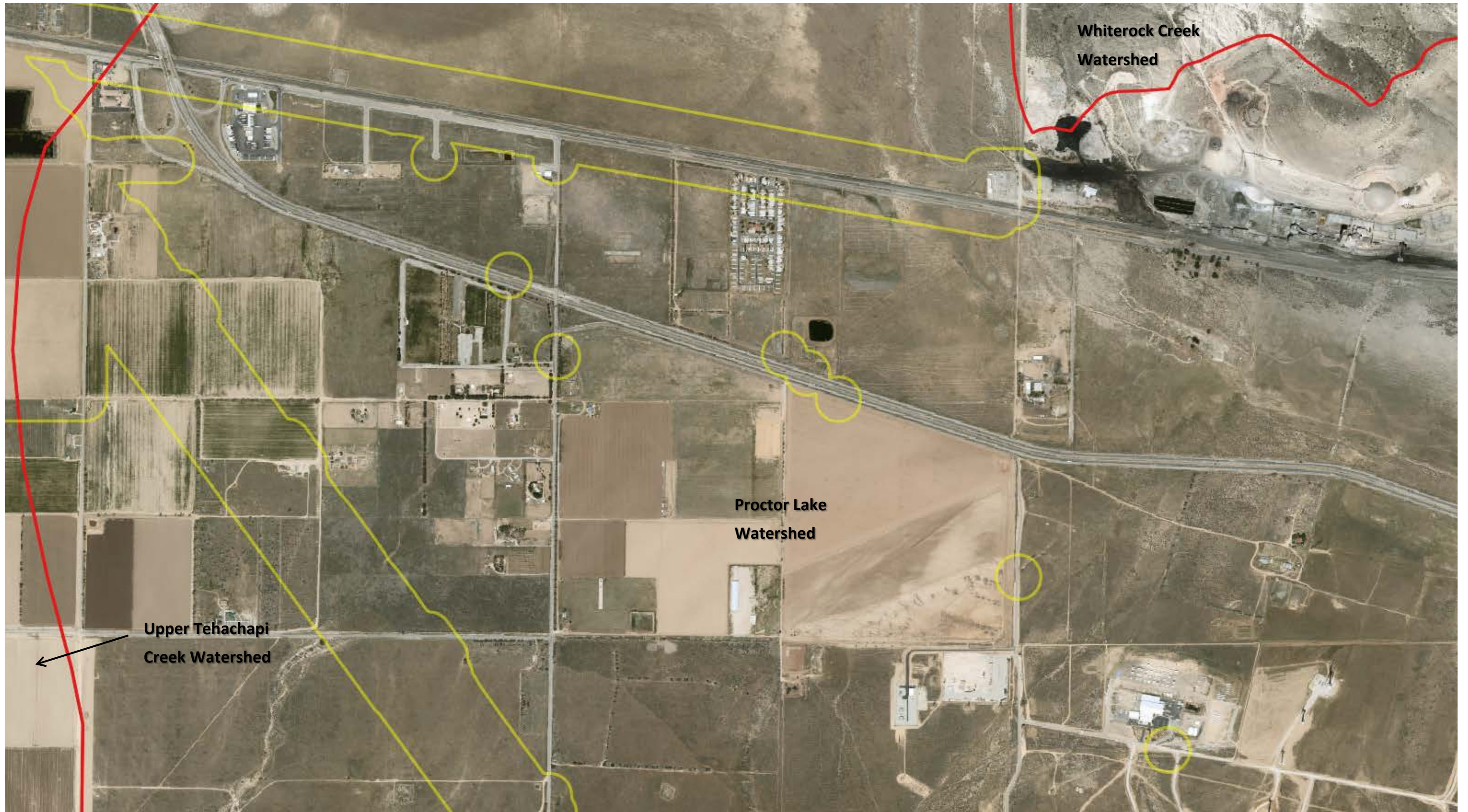
- NHD Waterbodies
- Direction of flow based on NHD flowlines
- Presumed Hydrologic Path
- Basins

Proctor Lake Watershed Study Area Hydrologic Connectivity





Kern County 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



Kern County 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



Kern County 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



Kern County 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



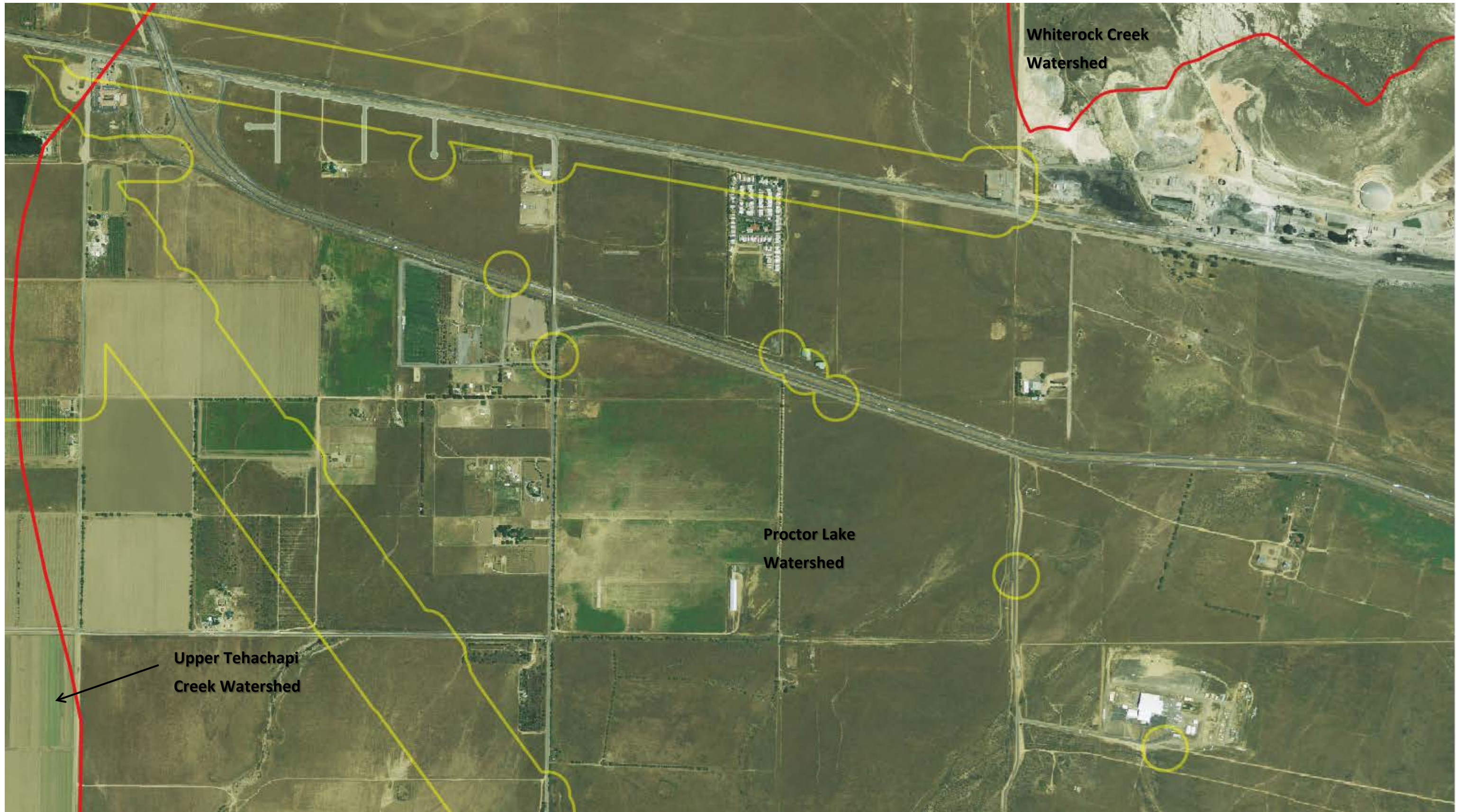
Kern County 2010 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



Kern County 2010 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



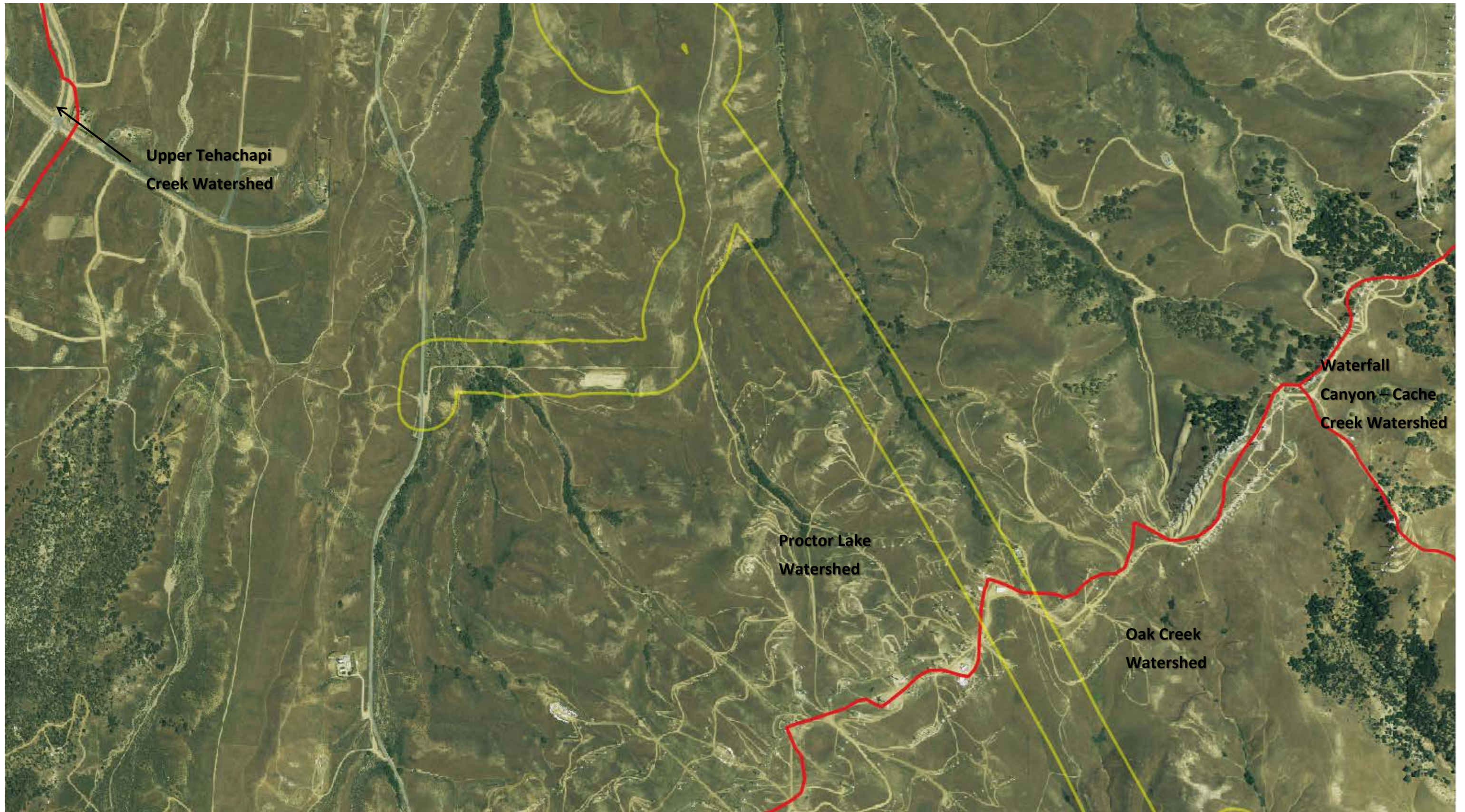
Kern County 2010 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



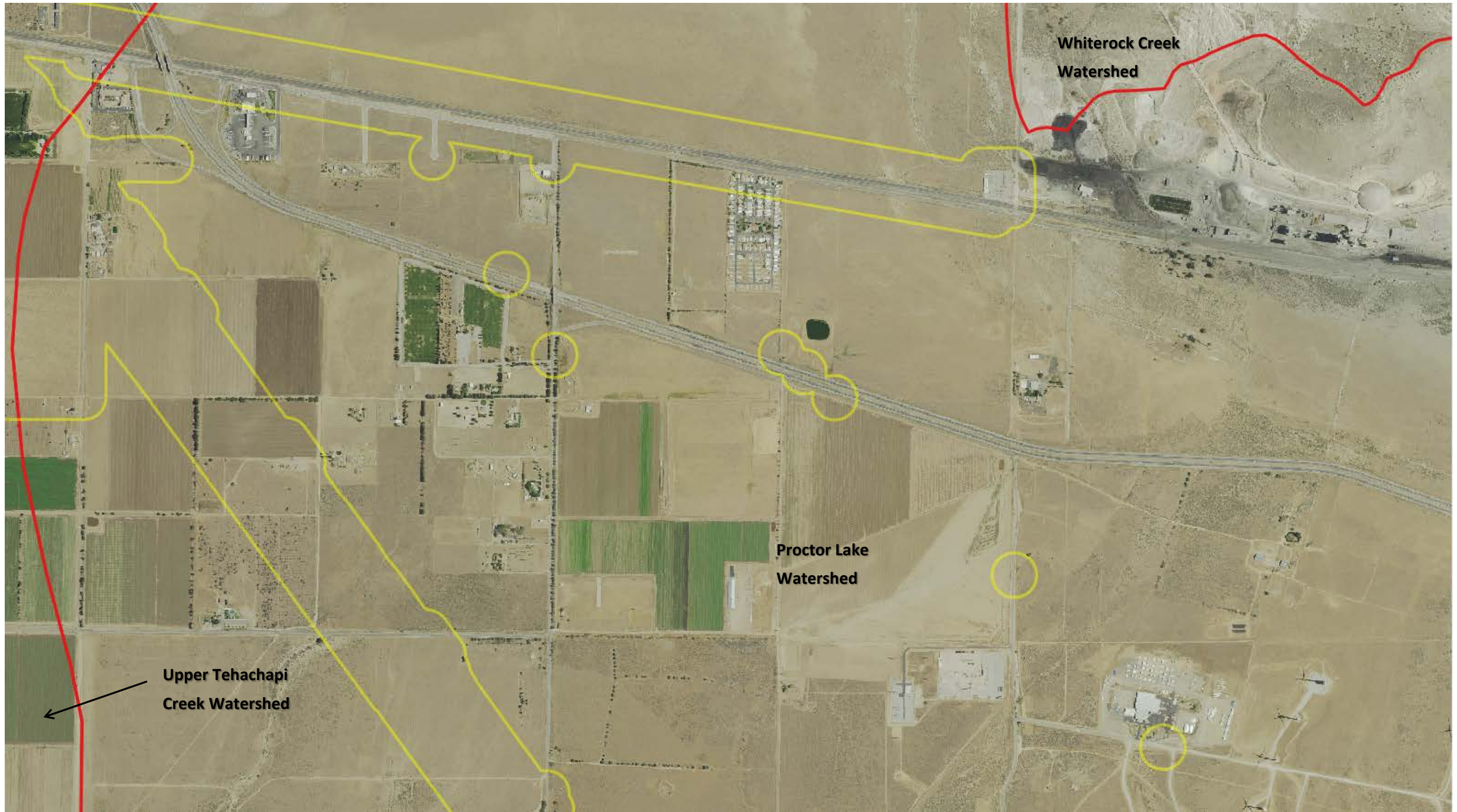
NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line– HUC 12 Watershed Boundaries.



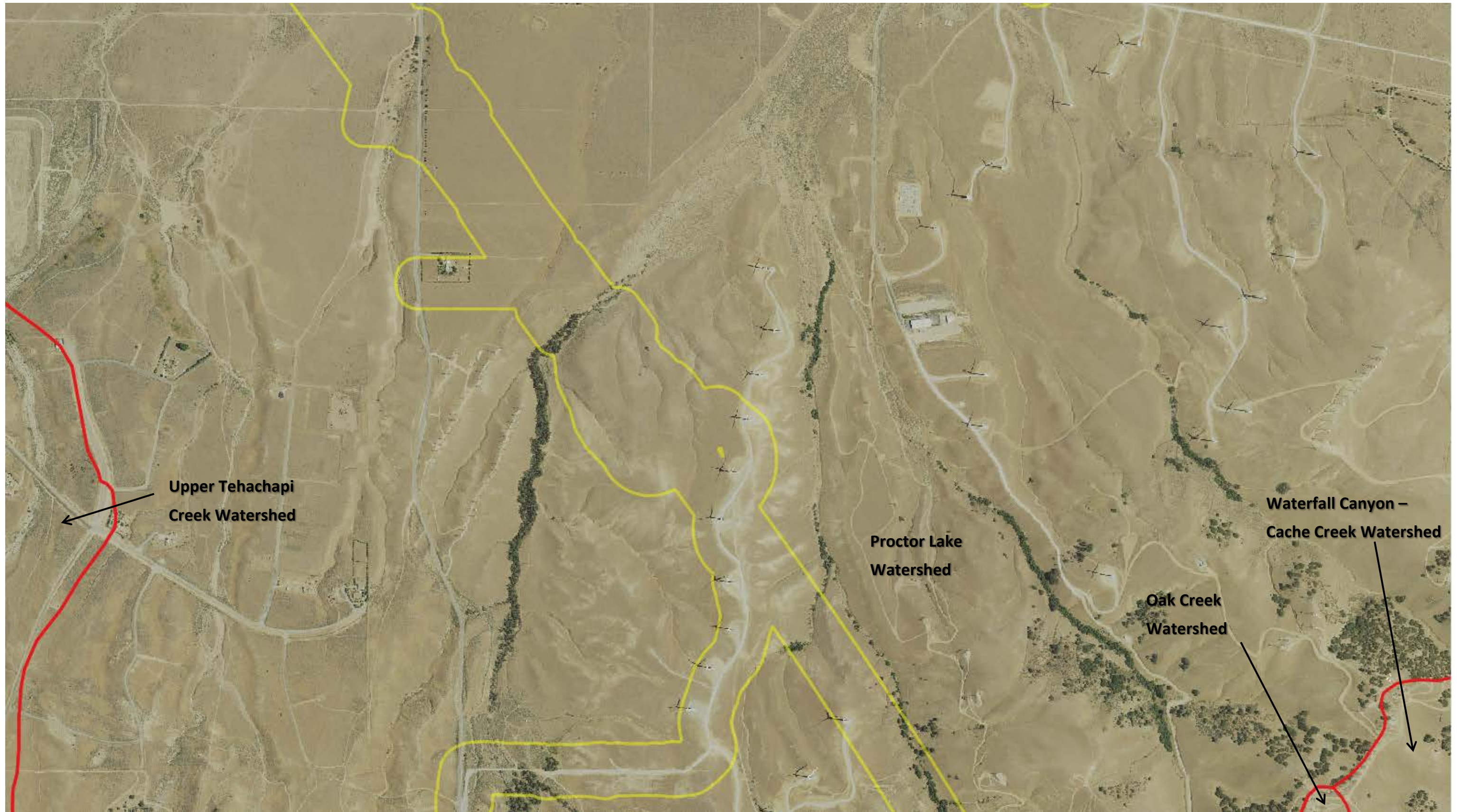
NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line– HUC 12 Watershed Boundaries.



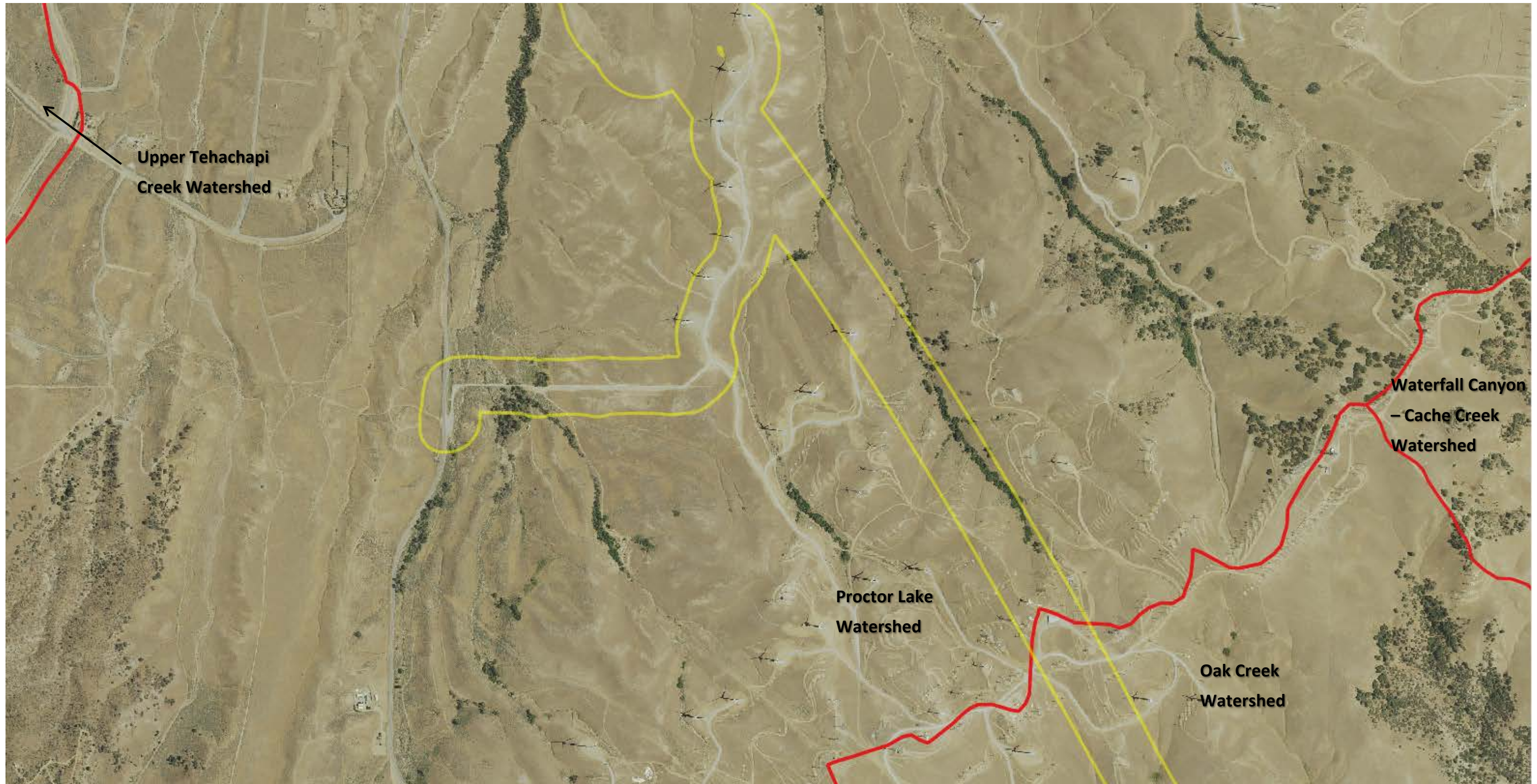
NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line– HUC 12 Watershed Boundaries.



NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line– HUC 12 Watershed Boundaries.



NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line– HUC 12 Watershed Boundaries.



NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line– HUC 12 Watershed Boundaries.

Aerial Sources: <http://maps.co.kern.ca.us/arcgis/services/> and <http://gis.apfo.usda.gov/arcgis/services/NAIP/>

Retrieved December 5, 2016.

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): July 28, 2017

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: SPL-2010-00945-VCL-JD-4

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: CA County/parish/borough: Kern and Los Angeles City: N/A
Center coordinates of site (lat/long in degree decimal format): Lat. 34.81623° N, Long. 118.20510° W.
Universal Transverse Mercator: 389784 m E, 3853326 m N

Name of nearest waterbody: Rosamond Lake

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: N/A

Name of watershed or Hydrologic Unit Code (HUC): Rosamond Lake, California, 1809020624

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date: July 25, 2017

Field Determination. Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area (check all that apply):¹

- TNWs, including territorial seas
- Wetlands adjacent to TNWs
- Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs
- Non-RPWs that flow directly or indirectly into TNWs
- Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- Impoundments of jurisdictional waters
- Isolated (interstate or intrastate) waters, including isolated wetlands

b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: linear feet: width (ft) and/or acres.

Wetlands: acres.

c. Limits (boundaries) of jurisdiction based on: **Not Applicable.**

Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

Within the project area of the Rosamond Lake HUC 10, there are a total of 375 aquatic features. These features include 33 unnamed ephemeral desert stream features, 325 claypan features, and 17 features formed through ponding.

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

Ephemeral desert wash streams span a total of approximately 22,059 linear feet (4.17 miles) and cover approximately 2.81 acre and claypan features cover approximately 4.19 acres. Ponded features cover approximately 0.40 acre. Labeled maps and tables of features and dimensions are provided in the Aquatic Resources Delineation Report, which identifies each feature according to which HUC-10 watershed it occurs within. A completed copy of the Aquatic Resources sheet in the Consolidated ORM Upload Workbook is also appended.

The unnamed ephemeral desert washes, features Str_0339, Str_0346 through _0347, Str_0349 through Str_0370, Str_0372 and Str_0372, generally flow east within the study area. Water carried by these streams continues eastward outside the study area, flowing slowly toward Rosamond Dry Lake. Note that several aquatic features have multiple segments and are labeled as such in attached tables (e.g. Str_0358-001, Str_0358-002, etc.). Most of the ephemeral desert wash and ditch features dissipate and do not have defined channels that can be traced all the way down to the terminal point in the watershed. These features are similar to many other streams in the Antelope Valley Watershed that have well-defined channels where they originate in the mountains and foothills, but dissipate on the valley floor, where water movement during storms is primarily sheet flow.

Many ephemeral claypan features (CP_1002, CP_1005, CP_1009, CP_1010, CP_1012, CP_1035 through CP_1077, CP_1111, CP_1115 through CP_1117, CP_1119 through CP_1129, CP_1131 through CP_1171-005, CP_1178 through CP_1302, CP_1313 through CP_1316, CP_1321 through CP_1323, CP_1325, CP_1328, CP_1332, CP_1334 through CP_1335, CP_1337 through CP_1339, CP_1341 through CP_1342-005, CP_1345, CP1346, CP3333-059 through CP3338-055, CP_3340, and CP33344-062) are scattered throughout the study area due to the relatively flat topography. These low-lying depressional features are ephemeral or intermittent, and typically hold water for a few weeks annually.

Seventeen areas of ponding , features PD_1014, PD_1015, PD_1159, PD_1172 through 1174-08, PD_1176, PD_1177-001 and -002, and PD_1288, that hold water for at least fourteen days after storms, were also identified in the study area. These aquatic features generally hold water for a few weeks similar to claypans.

All aquatic features within the study area are ephemeral or intermittent and are not used for commerce. The hydrologic connection to the low point in the Antelope Valley watershed, Rogers, Rosamond, and Buckhorn Dry Lakes, is primarily through sheet flow during storms. A review of topographic maps and watershed boundary datasets indicates that waters from the study area drain toward Rosamond Dry Lake.

There are no Traditional Navigable Waters (TNWs) or Relatively Permanent Waters (RPWs) in the study area, and the ephemeral desert streams in the study area are not tributaries to RPWs or TNWs. A previous SWANCC watershed-level Approved JD for Antelope Valley (HUC10 #s 1809020609 through 1809020624, excluding those portions of HUC12s 18090206151, 1901902061102, and 180902061103 that drain toward Lake Palmdale and its tributaries) determined that Rosamond, Buckhorn, and Rogers Dry Lakes, and their tributaries, (i.e. the Antelope Valley Watershed, excluding Lake Palmdale and tributaries to Lake Palmdale) are non-jurisdictional waters of the United States under SWANCC. This determination, SPL-2011-01084-SLP, dated June 7, 2013, found that these Antelope Valley waters are not tributary to either a TNW or an (a)(3) water and Rosamond, Buckhorn and Rogers Dry Lakes are not (a)(3) waters themselves. The Corps made this watershed conclusion because the Antelope Valley watershed is an isolated, intrastate watershed without any surface water related interstate commerce.

Previously approved jurisdictional determinations have been made for tributaries to these dry lakes. When these lakes were analyzed in SPL-2011-01084-SLP, the Corps found no published commercial uses of the surface waters of any tributaries to Rosamond, Buckhorn and Rogers Dry Lakes, and determined that a review of aerial photographs (Google Earth) also did not depict surface water usage of any drainages tributary to the dry lakes. The Corps found that all tributaries to Rosamond, Buckhorn, and Rogers Dry Lakes are not (a)(3) waters as defined by 33 C.F.R. section 328.3(a)(3)(i-iii). The previous determination found that since Rosamond, Buckhorn and Rogers Dry Lakes are intrastate isolated waters without a surface water connection to commerce, all tributaries to Rosamond, Buckhorn, and Rogers Dry Lakes as part of the overall watershed system are also isolated and additionally have no nexus to commerce. A review of current conditions and updated literature review found that conditions have not changed since the SPL-2011-01084-SLP determination for Antelope Valley.

The above is based upon the review of aerial photographs (Google Earth, accessed July 25, 2017) that also did not show surface water usage of the project drainages or the Rosamond Dry Lake terminus. Since the Rosamond Dry Lake is an intrastate, isolated water without a surface water connection to commerce (see prior AJD file No. SPL-2011-01084-SLP), the subject Project drainages 33 unnamed ephemeral desert stream features, 325 claypan features, and 17 ponded features, as part of the same overall system, are also isolated and additionally have no nexus to commerce.

Based on the information above, the subject drainages, 33 unnamed ephemeral desert stream features, 325 claypan features; and 17 desert ponds, are NONJURISDICTIONAL waters of the United States, since the waters are NOT tributary to either a TNW or an (a)(3) water and are NOT (a)(3) waters themselves. The Corps makes such a conclusion since the waters are tributary to an isolated, intrastate dry lake .

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: .

Summarize rationale supporting determination: .

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is “adjacent”:

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are “relatively permanent waters” (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: **Pick List**

Drainage area: **Pick List**

Average annual rainfall: inches

Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

Tributary flows directly into TNW.

Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.

Project waters are **Pick List** river miles from RPW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Project waters are **Pick List** aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain: .

Identify flow route to TNW⁵:

Tributary stream order, if known: .

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b) General Tributary Characteristics (check all that apply):

Tributary is: Natural
 Artificial (man-made). Explain:
 Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

Average width: feet
Average depth: feet
Average side slopes: **Pick List**.

Primary tributary substrate composition (check all that apply):

Silts Sands Concrete
 Cobbles Gravel Muck
 Bedrock Vegetation. Type/% cover:
 Other. Explain:

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:

Presence of run/riffle/pool complexes. Explain:

Tributary geometry: **Pick List**

Tributary gradient (approximate average slope): %

(c) Flow:

Tributary provides for: **Pick List**

Estimate average number of flow events in review area/year: **Pick List**

Describe flow regime:

Other information on duration and volume:

Surface flow is: **Pick List**. Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

Tributary has (check all that apply):

Bed and banks
 OHWM⁶ (check all indicators that apply):
 clear, natural line impressed on the bank the presence of litter and debris
 changes in the character of soil destruction of terrestrial vegetation
 shelving the presence of wrack line
 vegetation matted down, bent, or absent sediment sorting
 leaf litter disturbed or washed away scour
 sediment deposition multiple observed or predicted flow events
 water staining abrupt change in plant community
 other (list):
 Discontinuous OHWM.⁷ Explain:

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

High Tide Line indicated by: Mean High Water Mark indicated by:
 oil or scum line along shore objects survey to available datum;
 fine shell or debris deposits (foreshore) physical markings;
 physical markings/characteristics vegetation lines/changes in vegetation types.
 tidal gauges
 other (list):

(iii) **Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain:

Identify specific pollutants, if known:

⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷Ibid.

(iv) **Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

2. **Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

(i) **Physical Characteristics:**

(a) General Wetland Characteristics:

Properties:

Wetland size: _____ acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

- Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

- Directly abutting
- Not directly abutting
 - Discrete wetland hydrologic connection. Explain:
 - Ecological connection. Explain:
 - Separated by berm/barrier. Explain:

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately () acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N) Size (in acres) Directly abuts? (Y/N) Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
 TNWs: linear feet width (ft), Or, acres.
 Wetlands adjacent to TNWs: acres.
2. **RPWs that flow directly or indirectly into TNWs.**
 Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:
 Tributaries of TNW where tributaries have continuous flow “seasonally” (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.
Identify type(s) of waters: .

3. Non-RPWs⁸ that flow directly or indirectly into TNWs.

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.
Identify type(s) of waters: .

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
 Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .
 Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. Impoundments of jurisdictional waters.⁹

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- Demonstrate that impoundment was created from "waters of the U.S.," or
 Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
 Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):¹⁰

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
 from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
 which are or could be used for industrial purposes by industries in interstate commerce.
 Interstate isolated waters. Explain: .
 Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

⁸See Footnote # 3.

⁹ To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

¹⁰ Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres.
 Identify type(s) of waters: .
- Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
 - Prior to the Jan 2001 Supreme Court decision in “*SWANCC*,” the review area would have been regulated based solely on the “Migratory Bird Rule” (MBR).
- Waters do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction. Explain: .
- Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): **22,059** linear feet **averaging 2 to 12 feet in** width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: 4.59 acres. List type of aquatic resource: Claypans 4.19 acres and Ponding in Developed Areas 0.40 acre.
- Wetlands: acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource: .
- Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Features are depicted on Map Sheets 132, 133, and 135-139 in Appendix E of the submitted delineation.
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps: .
- Corps navigable waters’ study: .
- U.S. Geological Survey Hydrologic Atlas: See attached watershed maps for HUC boundaries and NHD flowlines.
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Rosamond 7.5 minute quadrangle.
- USDA Natural Resources Conservation Service Soil Survey. Citation: .
- National wetlands inventory map(s). Cite name: .
- State/Local wetland inventory map(s): .
- FEMA/FIRM maps: .
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): NAIP Imagery 2005 and 2014 at 1-m resolution; Kern County Imagery 2010 and 2014 as a 1-foot resolution; LA County Imagery 2011 and 2013 at a 1-foot resolution.
 or Other (Name & Date): .
- Previous determination(s). File no. and date of response letter: SPL-2011-01084-SLP, June 7, 2013.
- Applicable/supporting case law: .
- Applicable/supporting scientific literature: .
- Other information (please specify): Aquatic Resources Delineation Report prepared by the applicant/consultant references additional materials; also Appendix E contains map sheets; Appendix F contains dimensions. HUC watershed maps of review areas with NHD Data provided by the applicant/consultant; general use of NAIP Imagery 2009, 2010, and 2012 at 1-m resolution; LA County Imagery 2011, 2013, and 2015 at 1-foot resolution; 2015 Site specific IR Imagery, 3-inch color pixel; Bing Aerial Imagery - multiple

years (scale dependent); ESRI World Imagery (streaming service) multiple years (scale dependent); Google Earth Historic Photos (used for reference and includes portions from above listed sources).

B. ADDITIONAL COMMENTS TO SUPPORT JD:

| Waters_Name | Cowardin_Code | HGM_Code | Amount | Units | Waters_Type | Latitude | Longitude |
|--------------|---------------|----------|--------|-------|-------------|----------|--------------|
| Str_0339 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.83997 | -118.22129 |
| Str_0346a | R6 | RIVERINE | 0.004 | ACRE | ISOLATE | 34.82689 | -118.2149849 |
| Str_0346c | R6 | RIVERINE | 0.002 | ACRE | ISOLATE | 34.82693 | -118.2131619 |
| Str_0346e | R6 | RIVERINE | 0.003 | ACRE | ISOLATE | 34.82696 | -118.2129131 |
| Str_0346g | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 34.82681 | -118.2119892 |
| Str_0347 | R6 | RIVERINE | 0.1 | ACRE | ISOLATE | 34.82607 | -118.21223 |
| Str_0349 | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 34.81761 | -118.20802 |
| Str_0350-001 | R6 | RIVERINE | 0.08 | ACRE | ISOLATE | 34.81841 | -118.20695 |
| Str_0350-002 | R6 | RIVERINE | 87 | SQ_FT | ISOLATE | 34.81955 | -118.20435 |
| Str_0351 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.82135 | -118.20691 |
| Str_0352 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.81642 | -118.20669 |
| Str_0353 | R6 | RIVERINE | 0.01 | ACRE | ISOLATE | 34.8182 | -118.20666 |
| Str_0354 | R6 | RIVERINE | 0.36 | ACRE | ISOLATE | 34.81684 | -118.20455 |
| Str_0355 | R6 | RIVERINE | 0.39 | ACRE | ISOLATE | 34.81527 | -118.20419 |
| Str_0356 | R6 | RIVERINE | 87 | SQ_FT | ISOLATE | 34.81748 | -118.20343 |
| Str_0357 | R6 | RIVERINE | 0.35 | ACRE | ISOLATE | 34.81444 | -118.20332 |
| Str_0358-001 | R6 | RIVERINE | 0.06 | ACRE | ISOLATE | 34.81185 | -118.2031844 |
| Str_0358-002 | R6 | RIVERINE | 9 | SQ_FT | ISOLATE | 34.81207 | -118.2028815 |
| Str_0359 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.81132 | -118.20297 |
| Str_0360 | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 34.81073 | -118.2028175 |
| Str_0361-001 | R6 | RIVERINE | 0.9 | SQ_FT | ISOLATE | 34.80954 | -118.2020589 |
| Str_0361-002 | R6 | RIVERINE | 0.02 | ACRE | ISOLATE | 34.80971 | -118.202211 |
| Str_0362-001 | R6 | RIVERINE | 0.1 | ACRE | ISOLATE | 34.81048 | -118.2021104 |
| Str_0362-002 | R6 | RIVERINE | 4 | SQ_FT | ISOLATE | 34.81079 | -118.2015221 |
| Str_0363 | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 34.81079 | -118.20171 |
| Str_0364-001 | R6 | RIVERINE | 131 | SQ_FT | ISOLATE | 34.8121 | -118.20395 |
| Str_0364-002 | R6 | RIVERINE | 0.15 | ACRE | ISOLATE | 34.81199 | -118.2015 |
| Str_0365 | R6 | RIVERINE | 0.11 | ACRE | ISOLATE | 34.81288 | -118.20118 |
| Str_0366 | R6 | RIVERINE | 0.23 | ACRE | ISOLATE | 34.81079 | -118.20088 |
| Str_0367 | R6 | RIVERINE | 0.01 | ACRE | ISOLATE | 34.80807 | -118.19665 |
| Str_0368 | R6 | RIVERINE | 0.07 | ACRE | ISOLATE | 34.80453 | -118.20024 |
| Str_0369-001 | R6 | RIVERINE | 0.01 | ACRE | ISOLATE | 34.80657 | -118.20053 |
| Str_0369-002 | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 34.80632 | -118.19988 |
| Str_0370 | R6 | RIVERINE | 0.06 | ACRE | ISOLATE | 34.80521 | -118.19939 |
| Str_0372 | R6 | RIVERINE | 0.1 | ACRE | ISOLATE | 34.80503 | -118.1967 |
| Str_0373 | R6 | RIVERINE | 0.28 | ACRE | ISOLATE | 34.80456 | -118.19625 |
| CP_1002-002 | PUB | DEPRESS | 16 | SQ_FT | ISOLATE | 34.85156 | -118.23357 |
| CP_1005 | PUB | DEPRESS | 25 | SQ_FT | ISOLATE | 34.85124 | -118.23351 |
| CP_1009 | PUB | DEPRESS | 800 | SQ_FT | ISOLATE | 34.85141 | -118.23348 |
| CP_1010-002 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.85157 | -118.23347 |
| CP_1010-003 | PUB | DEPRESS | 4 | SQ_FT | ISOLATE | 34.85157 | -118.23347 |
| CP_1012 | PUB | DEPRESS | 100 | SQ_FT | ISOLATE | 34.851 | -118.23346 |
| PD_1014 | PUB | RIVERINE | 96 | SQ_FT | ISOLATE | 34.85093 | -118.23321 |
| PD_1015 | PUB | RIVERINE | 164 | SQ_FT | ISOLATE | 34.85054 | -118.23293 |
| CP_1035 | PUB | DEPRESS | 946 | SQ_FT | ISOLATE | 34.84258 | -118.23126 |
| CP_1036 | PUB | DEPRESS | 3068 | SQ_FT | ISOLATE | 34.84922 | -118.23071 |
| CP_1037 | PUB | DEPRESS | 3595 | SQ_FT | ISOLATE | 34.84924 | -118.22963 |
| CP_1038 | PUB | DEPRESS | 499 | SQ_FT | ISOLATE | 34.84552 | -118.22936 |
| CP_1039 | PUB | DEPRESS | 39 | SQ_FT | ISOLATE | 34.84949 | -118.22919 |
| CP_1040 | PUB | DEPRESS | 2118 | SQ_FT | ISOLATE | 34.84965 | -118.22915 |
| CP_1041 | PUB | DEPRESS | 58 | SQ_FT | ISOLATE | 34.84635 | -118.22911 |
| CP_1042 | PUB | DEPRESS | 946 | SQ_FT | ISOLATE | 34.84965 | -118.22905 |
| CP_1043 | PUB | DEPRESS | 606 | SQ_FT | ISOLATE | 34.84902 | -118.22901 |
| CP_1044 | PUB | DEPRESS | 212 | SQ_FT | ISOLATE | 34.84642 | -118.22901 |
| CP_1045 | PUB | DEPRESS | 541 | SQ_FT | ISOLATE | 34.84856 | -118.22901 |
| CP_1046 | PUB | DEPRESS | 143 | SQ_FT | ISOLATE | 34.84879 | -118.22901 |
| CP_1047 | PUB | DEPRESS | 1444 | SQ_FT | ISOLATE | 34.8496 | -118.22893 |
| CP_1048 | PUB | DEPRESS | 286 | SQ_FT | ISOLATE | 34.84963 | -118.2285 |
| CP_1049 | PUB | DEPRESS | 248 | SQ_FT | ISOLATE | 34.84949 | -118.2284 |
| CP_1050 | PUB | DEPRESS | 129 | SQ_FT | ISOLATE | 34.84914 | -118.22832 |

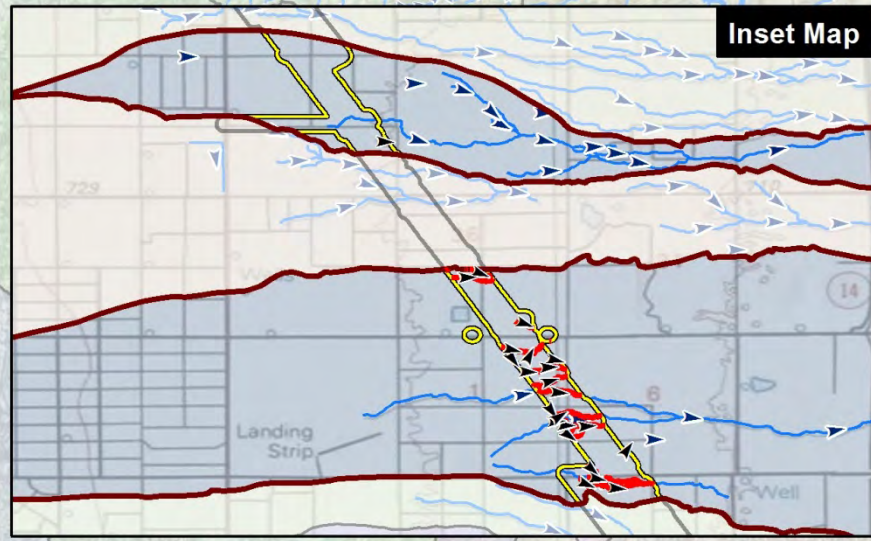
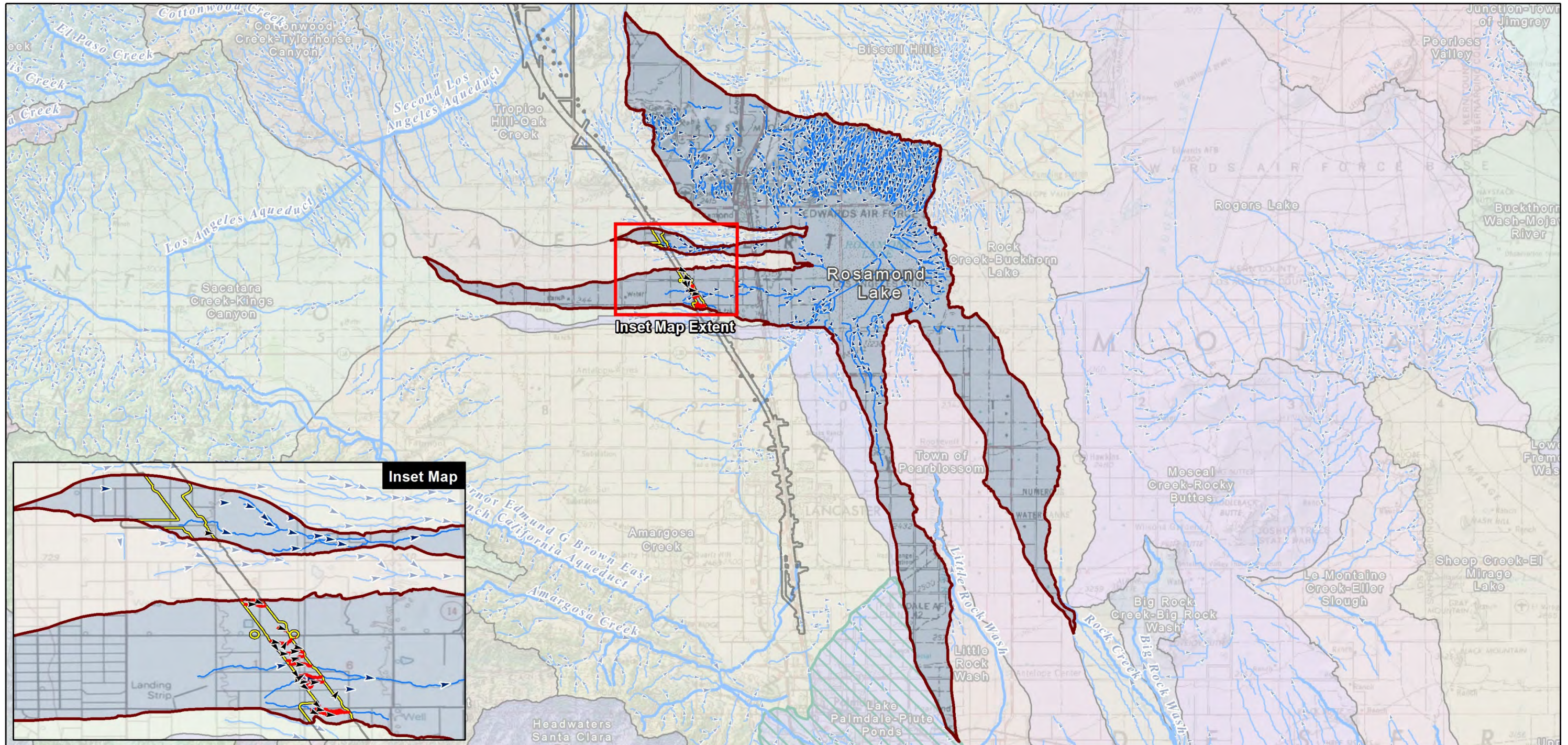
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|-------------|-----|---------|-------|-------|---------|---------------------|
| CP_1051 | PUB | DEPRESS | 1299 | SQ_FT | ISOLATE | 34.84952 -118.22825 |
| CP_1052 | PUB | DEPRESS | 68 | SQ_FT | ISOLATE | 34.84934 -118.22791 |
| CP_1053 | PUB | DEPRESS | 301 | SQ_FT | ISOLATE | 34.84936 -118.22777 |
| CP_1054 | PUB | DEPRESS | 916 | SQ_FT | ISOLATE | 34.84417 -118.2274 |
| CP_1055 | PUB | DEPRESS | 3524 | SQ_FT | ISOLATE | 34.84435 -118.22715 |
| CP_1056 | PUB | DEPRESS | 59 | SQ_FT | ISOLATE | 34.84382 -118.22628 |
| CP_1057 | PUB | DEPRESS | 204 | SQ_FT | ISOLATE | 34.84422 -118.22584 |
| CP_1058 | PUB | DEPRESS | 70 | SQ_FT | ISOLATE | 34.84447 -118.22535 |
| CP_1059 | PUB | DEPRESS | 9 | SQ_FT | ISOLATE | 34.84514 -118.22488 |
| CP_1060 | PUB | DEPRESS | 91 | SQ_FT | ISOLATE | 34.84167 -118.22906 |
| CP_1061 | PUB | DEPRESS | 154 | SQ_FT | ISOLATE | 34.8418 -118.22905 |
| CP_1062 | PUB | DEPRESS | 203 | SQ_FT | ISOLATE | 34.84138 -118.22905 |
| CP_1063 | PUB | DEPRESS | 21 | SQ_FT | ISOLATE | 34.84174 -118.22905 |
| CP_1064 | PUB | DEPRESS | 101 | SQ_FT | ISOLATE | 34.84187 -118.22904 |
| CP_1065 | PUB | DEPRESS | 140 | SQ_FT | ISOLATE | 34.84195 -118.22879 |
| CP_1066 | PUB | DEPRESS | 5684 | SQ_FT | ISOLATE | 34.84196 -118.2282 |
| CP_1067 | PUB | DEPRESS | 52 | SQ_FT | ISOLATE | 34.84192 -118.22814 |
| CP_1068 | PUB | DEPRESS | 31 | SQ_FT | ISOLATE | 34.84193 -118.22805 |
| CP_1069 | PUB | DEPRESS | 683 | SQ_FT | ISOLATE | 34.84189 -118.22785 |
| CP_1070 | PUB | DEPRESS | 538 | SQ_FT | ISOLATE | 34.84175 -118.22758 |
| CP_1071 | PUB | DEPRESS | 17 | SQ_FT | ISOLATE | 34.84056 -118.22608 |
| CP_1072 | PUB | DEPRESS | 100 | SQ_FT | ISOLATE | 34.842 -118.22573 |
| CP_1073 | PUB | DEPRESS | 205 | SQ_FT | ISOLATE | 34.84216 -118.2256 |
| CP_1074 | PUB | DEPRESS | 821 | SQ_FT | ISOLATE | 34.84225 -118.22549 |
| CP_1075 | PUB | DEPRESS | 689 | SQ_FT | ISOLATE | 34.84241 -118.22527 |
| CP_1076 | PUB | DEPRESS | 474 | SQ_FT | ISOLATE | 34.84244 -118.22501 |
| CP_1077 | PUB | DEPRESS | 199 | SQ_FT | ISOLATE | 34.84244 -118.22374 |
| CP_1111 | PUB | DEPRESS | 634 | SQ_FT | ISOLATE | 34.82642 -118.21469 |
| CP_1115 | PUB | DEPRESS | 6562 | SQ_FT | ISOLATE | 34.8259 -118.21371 |
| CP_1116 | PUB | DEPRESS | 161 | SQ_FT | ISOLATE | 34.8252 -118.2131 |
| CP_1117 | PUB | DEPRESS | 9 | SQ_FT | ISOLATE | 34.82657 -118.21305 |
| CP_1119 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.82563 -118.21291 |
| CP_1120 | PUB | DEPRESS | 303 | SQ_FT | ISOLATE | 34.82653 -118.21288 |
| CP_1121-001 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.82421 -118.21269 |
| CP_1121-002 | PUB | DEPRESS | 30937 | SQ_FT | ISOLATE | 34.82421 -118.21269 |
| CP_1122 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.82383 -118.21262 |
| CP_1123 | PUB | DEPRESS | 5244 | SQ_FT | ISOLATE | 34.82372 -118.21251 |
| CP_1124 | PUB | DEPRESS | 26 | SQ_FT | ISOLATE | 34.82544 -118.21243 |
| CP_1125 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.82557 -118.21242 |
| CP_1126-001 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.82567 -118.21241 |
| CP_1126-002 | PUB | DEPRESS | 14168 | SQ_FT | ISOLATE | 34.82567 -118.21241 |
| CP_1127-001 | PUB | DEPRESS | 20 | SQ_FT | ISOLATE | 34.82693 -118.21241 |
| CP_1127-002 | PUB | DEPRESS | 81 | SQ_FT | ISOLATE | 34.82693 -118.21241 |
| CP_1127-003 | PUB | DEPRESS | 48 | SQ_FT | ISOLATE | 34.82693 -118.21241 |
| CP_1128 | PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.8254 -118.21225 |
| CP_1129-001 | PUB | DEPRESS | 29 | SQ_FT | ISOLATE | 34.82684 -118.21215 |
| CP_1129-002 | PUB | DEPRESS | 5 | SQ_FT | ISOLATE | 34.82684 -118.21215 |
| CP_1129-003 | PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.82684 -118.21215 |
| CP_1129-004 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.82684 -118.21215 |
| CP_1129-005 | PUB | DEPRESS | 224 | SQ_FT | ISOLATE | 34.82684 -118.21215 |
| CP_1131 | PUB | DEPRESS | 612 | SQ_FT | ISOLATE | 34.82482 -118.21181 |
| CP_1132 | PUB | DEPRESS | 22 | SQ_FT | ISOLATE | 34.82488 -118.21176 |
| CP_1133 | PUB | DEPRESS | 199 | SQ_FT | ISOLATE | 34.82306 -118.21155 |
| CP_1134 | PUB | DEPRESS | 2209 | SQ_FT | ISOLATE | 34.82431 -118.2115 |
| CP_1135 | PUB | DEPRESS | 3341 | SQ_FT | ISOLATE | 34.825 -118.21148 |
| CP_1137 | PUB | DEPRESS | 50 | SQ_FT | ISOLATE | 34.82423 -118.21143 |
| CP_1138 | PUB | DEPRESS | 27 | SQ_FT | ISOLATE | 34.82646 -118.2114 |
| CP_1139 | PUB | DEPRESS | 8 | SQ_FT | ISOLATE | 34.82641 -118.21136 |
| CP_1140 | PUB | DEPRESS | 93 | SQ_FT | ISOLATE | 34.82436 -118.21132 |
| CP_1141 | PUB | DEPRESS | 214 | SQ_FT | ISOLATE | 34.82316 -118.21132 |
| CP_1142 | PUB | DEPRESS | 34 | SQ_FT | ISOLATE | 34.82501 -118.21126 |
| CP_1143-001 | PUB | DEPRESS | 51 | SQ_FT | ISOLATE | 34.82638 -118.21125 |
| CP_1143-002 | PUB | DEPRESS | 3 | SQ_FT | ISOLATE | 34.82638 -118.21125 |
| CP_1143-003 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.82638 -118.21125 |
| CP_1143-004 | PUB | DEPRESS | 407 | SQ_FT | ISOLATE | 34.82638 -118.21125 |
| CP_1143-005 | PUB | DEPRESS | 145 | SQ_FT | ISOLATE | 34.82638 -118.21125 |

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|-------------|-----|----------|------|-------|---------|---------------------|
| CP_1144 | PUB | DEPRESS | 111 | SQ_FT | ISOLATE | 34.82465 -118.21094 |
| CP_1145 | PUB | DEPRESS | 369 | SQ_FT | ISOLATE | 34.82462 -118.21063 |
| CP_1146 | PUB | DEPRESS | 40 | SQ_FT | ISOLATE | 34.8247 -118.21059 |
| CP_1147-001 | PUB | DEPRESS | 13 | SQ_FT | ISOLATE | 34.82611 -118.21051 |
| CP_1147-002 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.82611 -118.21051 |
| CP_1147-003 | PUB | DEPRESS | 67 | SQ_FT | ISOLATE | 34.82611 -118.21051 |
| CP_1148 | PUB | DEPRESS | 196 | SQ_FT | ISOLATE | 34.82609 -118.21046 |
| CP_1149 | PUB | DEPRESS | 773 | SQ_FT | ISOLATE | 34.82537 -118.21045 |
| CP_1150 | PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.82599 -118.21033 |
| CP_1151-001 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.82604 -118.21032 |
| CP_1151-002 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.82604 -118.21032 |
| CP_1151-003 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.82601 -118.21032 |
| CP_1151-004 | PUB | DEPRESS | 128 | SQ_FT | ISOLATE | 34.82601 -118.21032 |
| CP_1152 | PUB | DEPRESS | 107 | SQ_FT | ISOLATE | 34.82376 -118.20885 |
| CP_1153 | PUB | DEPRESS | 44 | SQ_FT | ISOLATE | 34.82299 -118.21152 |
| CP_1154 | PUB | DEPRESS | 6 | SQ_FT | ISOLATE | 34.82183 -118.21133 |
| CP_1155 | PUB | DEPRESS | 6 | SQ_FT | ISOLATE | 34.82184 -118.21132 |
| CP_1156 | PUB | DEPRESS | 37 | SQ_FT | ISOLATE | 34.82186 -118.2113 |
| CP_1157 | PUB | DEPRESS | 788 | SQ_FT | ISOLATE | 34.82252 -118.2113 |
| CP_1158 | PUB | DEPRESS | 35 | SQ_FT | ISOLATE | 34.82185 -118.21103 |
| PD_1159 | PUB | RIVERINE | 56 | SQ_FT | ISOLATE | 34.82047 -118.21016 |
| CP_1160 | PUB | DEPRESS | 1008 | SQ_FT | ISOLATE | 34.82025 -118.21012 |
| CP_1161 | PUB | DEPRESS | 18 | SQ_FT | ISOLATE | 34.82203 -118.20953 |
| CP_1162 | PUB | DEPRESS | 5 | SQ_FT | ISOLATE | 34.82202 -118.2095 |
| CP_1163 | PUB | DEPRESS | 2292 | SQ_FT | ISOLATE | 34.82205 -118.20931 |
| CP_1164 | PUB | DEPRESS | 131 | SQ_FT | ISOLATE | 34.8201 -118.20917 |
| CP_1165 | PUB | DEPRESS | 94 | SQ_FT | ISOLATE | 34.81996 -118.2091 |
| CP_1166 | PUB | DEPRESS | 507 | SQ_FT | ISOLATE | 34.82159 -118.2086 |
| CP_1167 | PUB | DEPRESS | 1102 | SQ_FT | ISOLATE | 34.8212 -118.20844 |
| CP_1168 | PUB | DEPRESS | 384 | SQ_FT | ISOLATE | 34.82143 -118.20823 |
| CP_1169 | PUB | DEPRESS | 892 | SQ_FT | ISOLATE | 34.82126 -118.20818 |
| CP_1170-001 | PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.8187 -118.20817 |
| CP_1170-002 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.8187 -118.20817 |
| CP_1171-001 | PUB | DEPRESS | 27 | SQ_FT | ISOLATE | 34.8186 -118.20799 |
| CP_1171-002 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.8186 -118.20799 |
| CP_1171-003 | PUB | DEPRESS | 184 | SQ_FT | ISOLATE | 34.8186 -118.20799 |
| CP_1171-004 | PUB | DEPRESS | 8 | SQ_FT | ISOLATE | 34.8186 -118.20799 |
| CP_1171-005 | PUB | DEPRESS | 13 | SQ_FT | ISOLATE | 34.8186 -118.20799 |
| PD_1172 | PUB | RIVERINE | 1040 | SQ_FT | ISOLATE | 34.82051 -118.20658 |
| PD_1173 | PUB | RIVERINE | 7 | SQ_FT | ISOLATE | 34.82093 -118.20635 |
| PD_1174-001 | PUB | RIVERINE | 1 | SQ_FT | ISOLATE | 34.82096 -118.20633 |
| PD_1174-002 | PUB | RIVERINE | 12 | SQ_FT | ISOLATE | 34.82096 -118.20633 |
| PD_1174-003 | PUB | RIVERINE | 8 | SQ_FT | ISOLATE | 34.82096 -118.20633 |
| PD_1174-004 | PUB | RIVERINE | 2610 | SQ_FT | ISOLATE | 34.82096 -118.20633 |
| PD_1174-005 | PUB | RIVERINE | 316 | SQ_FT | ISOLATE | 34.82096 -118.20633 |
| PD_1174-006 | PUB | RIVERINE | 406 | SQ_FT | ISOLATE | 34.82096 -118.20633 |
| PD_1174-007 | PUB | RIVERINE | 1672 | SQ_FT | ISOLATE | 34.82096 -118.20633 |
| PD_1174-008 | PUB | RIVERINE | 313 | SQ_FT | ISOLATE | 34.82096 -118.20633 |
| CP_1175 | PUB | DEPRESS | 8723 | SQ_FT | ISOLATE | 34.81539 -118.206 |
| PD_1176 | PUB | RIVERINE | 360 | SQ_FT | ISOLATE | 34.82026 -118.20597 |
| PD_1177-001 | PUB | RIVERINE | 7 | SQ_FT | ISOLATE | 34.82091 -118.20595 |
| PD_1177-002 | PUB | RIVERINE | 64 | SQ_FT | ISOLATE | 34.82091 -118.20595 |
| CP_1178 | PUB | DEPRESS | 1080 | SQ_FT | ISOLATE | 34.81876 -118.20592 |
| CP_1179-001 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.81839 -118.2059 |
| CP_1179-002 | PUB | DEPRESS | 244 | SQ_FT | ISOLATE | 34.81839 -118.2059 |
| CP_1179-003 | PUB | DEPRESS | 55 | SQ_FT | ISOLATE | 34.81839 -118.2059 |
| CP_1179-004 | PUB | DEPRESS | 76 | SQ_FT | ISOLATE | 34.81839 -118.2059 |
| CP_1180 | PUB | DEPRESS | 69 | SQ_FT | ISOLATE | 34.81875 -118.20574 |
| CP_1181 | PUB | DEPRESS | 160 | SQ_FT | ISOLATE | 34.81821 -118.20572 |
| CP_1182 | PUB | DEPRESS | 216 | SQ_FT | ISOLATE | 34.81837 -118.2057 |
| CP_1183 | PUB | DEPRESS | 135 | SQ_FT | ISOLATE | 34.81835 -118.20558 |
| CP_1184-001 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.81867 -118.20557 |
| CP_1184-002 | PUB | DEPRESS | 32 | SQ_FT | ISOLATE | 34.81867 -118.20557 |
| CP_1185 | PUB | DEPRESS | 58 | SQ_FT | ISOLATE | 34.8176 -118.20553 |
| CP_1186-001 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.81868 -118.20542 |
| CP_1186-002 | PUB | DEPRESS | 150 | SQ_FT | ISOLATE | 34.81868 -118.20542 |

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|-------------|-----|---------|------|-------|---------|---------------------|
| CP_1187-001 | PUB | DEPRESS | 5 | SQ_FT | ISOLATE | 34.81893 -118.2054 |
| CP_1187-002 | PUB | DEPRESS | 31 | SQ_FT | ISOLATE | 34.81893 -118.2054 |
| CP_1188-001 | PUB | DEPRESS | 8 | SQ_FT | ISOLATE | 34.81913 -118.20505 |
| CP_1188-002 | PUB | DEPRESS | 19 | SQ_FT | ISOLATE | 34.81913 -118.20505 |
| CP_1189 | PUB | DEPRESS | 170 | SQ_FT | ISOLATE | 34.81629 -118.20495 |
| CP_1190 | PUB | DEPRESS | 119 | SQ_FT | ISOLATE | 34.81695 -118.20476 |
| CP_1191 | PUB | DEPRESS | 61 | SQ_FT | ISOLATE | 34.8172 -118.20367 |
| CP_1192 | PUB | DEPRESS | 71 | SQ_FT | ISOLATE | 34.81582 -118.20347 |
| CP_1193 | PUB | DEPRESS | 624 | SQ_FT | ISOLATE | 34.81724 -118.20345 |
| CP_1194-001 | PUB | DEPRESS | 136 | SQ_FT | ISOLATE | 34.81676 -118.20343 |
| CP_1194-002 | PUB | DEPRESS | 6 | SQ_FT | ISOLATE | 34.81676 -118.20343 |
| CP_1194-003 | PUB | DEPRESS | 5 | SQ_FT | ISOLATE | 34.81676 -118.20343 |
| CP_1195 | PUB | DEPRESS | 111 | SQ_FT | ISOLATE | 34.81703 -118.20337 |
| CP_1196 | PUB | DEPRESS | 9 | SQ_FT | ISOLATE | 34.81682 -118.2033 |
| CP_1197 | PUB | DEPRESS | 466 | SQ_FT | ISOLATE | 34.81406 -118.20538 |
| CP_1198 | PUB | DEPRESS | 1978 | SQ_FT | ISOLATE | 34.81367 -118.20504 |
| CP_1199 | PUB | DEPRESS | 2294 | SQ_FT | ISOLATE | 34.81349 -118.20448 |
| CP_1200 | PUB | DEPRESS | 1313 | SQ_FT | ISOLATE | 34.81308 -118.20367 |
| CP_1201 | PUB | DEPRESS | 8 | SQ_FT | ISOLATE | 34.81167 -118.20366 |
| CP_1202-001 | PUB | DEPRESS | 13 | SQ_FT | ISOLATE | 34.81167 -118.20339 |
| CP_1202-002 | PUB | DEPRESS | 22 | SQ_FT | ISOLATE | 34.81167 -118.20339 |
| CP_1202-003 | PUB | DEPRESS | 7 | SQ_FT | ISOLATE | 34.81167 -118.20339 |
| CP_1202-004 | PUB | DEPRESS | 729 | SQ_FT | ISOLATE | 34.81167 -118.20339 |
| CP_1202-005 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.81167 -118.20339 |
| CP_1202-006 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.81167 -118.20339 |
| CP_1203 | PUB | DEPRESS | 29 | SQ_FT | ISOLATE | 34.81441 -118.20334 |
| CP_1204 | PUB | DEPRESS | 17 | SQ_FT | ISOLATE | 34.81089 -118.20314 |
| CP_1205 | PUB | DEPRESS | 383 | SQ_FT | ISOLATE | 34.81166 -118.20276 |
| CP_1206 | PUB | DEPRESS | 952 | SQ_FT | ISOLATE | 34.81154 -118.20276 |
| CP_1207 | PUB | DEPRESS | 15 | SQ_FT | ISOLATE | 34.8109 -118.20259 |
| CP_1208-001 | PUB | DEPRESS | 45 | SQ_FT | ISOLATE | 34.81223 -118.20257 |
| CP_1208-002 | PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.81223 -118.20257 |
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| CP_1209-002 | PUB | DEPRESS | 25 | SQ_FT | ISOLATE | 34.81227 -118.20254 |
| CP_1210-001 | PUB | DEPRESS | 1868 | SQ_FT | ISOLATE | 34.81215 -118.20245 |
| CP_1210-002 | PUB | DEPRESS | 445 | SQ_FT | ISOLATE | 34.81215 -118.20245 |
| CP_1211 | PUB | DEPRESS | 22 | SQ_FT | ISOLATE | 34.81239 -118.20243 |
| CP_1212 | PUB | DEPRESS | 20 | SQ_FT | ISOLATE | 34.81157 -118.20243 |
| CP_1213 | PUB | DEPRESS | 8 | SQ_FT | ISOLATE | 34.81173 -118.20242 |
| CP_1214 | PUB | DEPRESS | 40 | SQ_FT | ISOLATE | 34.80991 -118.20242 |
| CP_1215 | PUB | DEPRESS | 72 | SQ_FT | ISOLATE | 34.81225 -118.20234 |
| CP_1216 | PUB | DEPRESS | 30 | SQ_FT | ISOLATE | 34.80992 -118.20232 |
| CP_1217 | PUB | DEPRESS | 160 | SQ_FT | ISOLATE | 34.81129 -118.20224 |
| CP_1218 | PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.81112 -118.2022 |
| CP_1219 | PUB | DEPRESS | 108 | SQ_FT | ISOLATE | 34.81067 -118.2022 |
| CP_1220 | PUB | DEPRESS | 36 | SQ_FT | ISOLATE | 34.81227 -118.20215 |
| CP_1221 | PUB | DEPRESS | 148 | SQ_FT | ISOLATE | 34.81113 -118.20213 |
| CP_1222 | PUB | DEPRESS | 410 | SQ_FT | ISOLATE | 34.81485 -118.20205 |
| CP_1223 | PUB | DEPRESS | 13 | SQ_FT | ISOLATE | 34.81238 -118.20198 |
| CP_1224-001 | PUB | DEPRESS | 8 | SQ_FT | ISOLATE | 34.81216 -118.20198 |
| CP_1224-002 | PUB | DEPRESS | 66 | SQ_FT | ISOLATE | 34.81216 -118.20198 |
| CP_1225 | PUB | DEPRESS | 38 | SQ_FT | ISOLATE | 34.81106 -118.20197 |
| CP_1226 | PUB | DEPRESS | 16 | SQ_FT | ISOLATE | 34.81239 -118.20196 |
| CP_1227 | PUB | DEPRESS | 19 | SQ_FT | ISOLATE | 34.81211 -118.20196 |
| CP_1228 | PUB | DEPRESS | 56 | SQ_FT | ISOLATE | 34.81215 -118.20194 |
| CP_1229 | PUB | DEPRESS | 12 | SQ_FT | ISOLATE | 34.81104 -118.20193 |
| CP_1230 | PUB | DEPRESS | 37 | SQ_FT | ISOLATE | 34.81109 -118.20192 |
| CP_1231 | PUB | DEPRESS | 4 | SQ_FT | ISOLATE | 34.81104 -118.20191 |
| CP_1232 | PUB | DEPRESS | 31 | SQ_FT | ISOLATE | 34.81106 -118.2019 |
| CP_1233 | PUB | DEPRESS | 73 | SQ_FT | ISOLATE | 34.81113 -118.20186 |
| CP_1234 | PUB | DEPRESS | 12 | SQ_FT | ISOLATE | 34.81067 -118.20184 |
| CP_1235 | PUB | DEPRESS | 11 | SQ_FT | ISOLATE | 34.81069 -118.20182 |
| CP_1236 | PUB | DEPRESS | 11 | SQ_FT | ISOLATE | 34.81109 -118.20181 |
| CP_1237 | PUB | DEPRESS | 15 | SQ_FT | ISOLATE | 34.81221 -118.20179 |
| CP_1238 | PUB | DEPRESS | 593 | SQ_FT | ISOLATE | 34.81107 -118.20177 |
| CP_1239 | PUB | DEPRESS | 264 | SQ_FT | ISOLATE | 34.81058 -118.20177 |

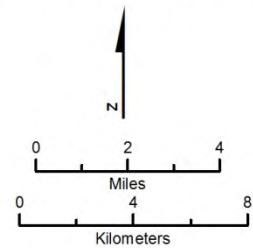
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| CP_1240-002 | PUB | DEPRESS | 13 | SQ_FT | ISOLATE | 34.81072 -118.20175 |
| CP_1241 | PUB | DEPRESS | 60 | SQ_FT | ISOLATE | 34.81041 -118.20176 |
| CP_1242 | PUB | DEPRESS | 19 | SQ_FT | ISOLATE | 34.81102 -118.20175 |
| CP_1243-001 | PUB | DEPRESS | 13 | SQ_FT | ISOLATE | 34.81201 -118.20162 |
| CP_1243-002 | PUB | DEPRESS | 22 | SQ_FT | ISOLATE | 34.81201 -118.20162 |
| CP_1243-003 | PUB | DEPRESS | 6 | SQ_FT | ISOLATE | 34.81201 -118.20162 |
| CP_1243-004 | PUB | DEPRESS | 13 | SQ_FT | ISOLATE | 34.81201 -118.20162 |
| CP_1243-005 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.81201 -118.20162 |
| CP_1243-006 | PUB | DEPRESS | 3 | SQ_FT | ISOLATE | 34.81201 -118.20162 |
| CP_1244 | PUB | DEPRESS | 509 | SQ_FT | ISOLATE | 34.81039 -118.20161 |
| CP_1245-001 | PUB | DEPRESS | 15 | SQ_FT | ISOLATE | 34.81196 -118.20145 |
| CP_1245-002 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.81196 -118.20145 |
| CP_1246-001 | PUB | DEPRESS | 5 | SQ_FT | ISOLATE | 34.81009 -118.20142 |
| CP_1246-002 | PUB | DEPRESS | 343 | SQ_FT | ISOLATE | 34.81009 -118.20142 |
| CP_1247 | PUB | DEPRESS | 70 | SQ_FT | ISOLATE | 34.81005 -118.20141 |
| CP_1248 | PUB | DEPRESS | 11 | SQ_FT | ISOLATE | 34.81194 -118.20139 |
| CP_1249 | PUB | DEPRESS | 622 | SQ_FT | ISOLATE | 34.81036 -118.20137 |
| CP_1250-001 | PUB | DEPRESS | 104 | SQ_FT | ISOLATE | 34.80974 -118.20135 |
| CP_1250-002 | PUB | DEPRESS | 3 | SQ_FT | ISOLATE | 34.80974 -118.20135 |
| CP_1251 | PUB | DEPRESS | 148 | SQ_FT | ISOLATE | 34.81017 -118.20136 |
| CP_1252-001 | PUB | DEPRESS | 3 | SQ_FT | ISOLATE | 34.81191 -118.20132 |
| CP_1252-002 | PUB | DEPRESS | 17 | SQ_FT | ISOLATE | 34.81191 -118.20132 |
| CP_1252-003 | PUB | DEPRESS | 9 | SQ_FT | ISOLATE | 34.81191 -118.20132 |
| CP_1252-004 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.81191 -118.20132 |
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| CP_1253-003 | PUB | DEPRESS | 6 | SQ_FT | ISOLATE | 34.81184 -118.20125 |
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| CP_1256 | PUB | DEPRESS | 9 | SQ_FT | ISOLATE | 34.81076 -118.2011 |
| CP_1257-001 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.81176 -118.2011 |
| CP_1257-002 | PUB | DEPRESS | 12 | SQ_FT | ISOLATE | 34.81176 -118.2011 |
| CP_1257-003 | PUB | DEPRESS | 68 | SQ_FT | ISOLATE | 34.81176 -118.2011 |
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| CP_1258-002 | PUB | DEPRESS | 13 | SQ_FT | ISOLATE | 34.80998 -118.2011 |
| CP_1259 | PUB | DEPRESS | 227 | SQ_FT | ISOLATE | 34.81041 -118.20106 |
| CP_1260 | PUB | DEPRESS | 88 | SQ_FT | ISOLATE | 34.81033 -118.20106 |
| CP_1261 | PUB | DEPRESS | 28 | SQ_FT | ISOLATE | 34.81077 -118.20105 |
| CP_1262 | PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.81034 -118.20095 |
| CP_1263-001 | PUB | DEPRESS | 135 | SQ_FT | ISOLATE | 34.81173 -118.2009 |
| CP_1263-002 | PUB | DEPRESS | 58 | SQ_FT | ISOLATE | 34.81173 -118.2009 |
| CP_1263-003 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.81173 -118.2009 |
| CP_1264 | PUB | DEPRESS | 121 | SQ_FT | ISOLATE | 34.81054 -118.20086 |
| CP_1265 | PUB | DEPRESS | 3032 | SQ_FT | ISOLATE | 34.80982 -118.20079 |
| CP_1266 | PUB | DEPRESS | 787 | SQ_FT | ISOLATE | 34.80866 -118.20075 |
| CP_1267 | PUB | DEPRESS | 20 | SQ_FT | ISOLATE | 34.81081 -118.20061 |
| CP_1268 | PUB | DEPRESS | 14 | SQ_FT | ISOLATE | 34.81044 -118.20038 |
| CP_1269 | PUB | DEPRESS | 252 | SQ_FT | ISOLATE | 34.81042 -118.20034 |
| CP_1270 | PUB | DEPRESS | 190 | SQ_FT | ISOLATE | 34.81171 -118.20024 |
| CP_1271 | PUB | DEPRESS | 2333 | SQ_FT | ISOLATE | 34.808 -118.20017 |
| CP_1272 | PUB | DEPRESS | 1411 | SQ_FT | ISOLATE | 34.81047 -118.20004 |
| CP_1273 | PUB | DEPRESS | 8286 | SQ_FT | ISOLATE | 34.80992 -118.20001 |
| CP_1274 | PUB | DEPRESS | 5 | SQ_FT | ISOLATE | 34.81039 -118.19998 |
| CP_1275 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.81038 -118.19998 |
| CP_1276 | PUB | DEPRESS | 162 | SQ_FT | ISOLATE | 34.81073 -118.19984 |
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| CP_1282 | PUB | DEPRESS | 9 | SQ_FT | ISOLATE | 34.81068 -118.19856 |
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| | | | | | | |
|-------------|-----|----------|-------|-------|---------|----------------------|
| CP_1284 | PUB | DEPRESS | 10959 | SQ_FT | ISOLATE | 34.80729 -118.19833 |
| CP_1285 | PUB | DEPRESS | 29 | SQ_FT | ISOLATE | 34.80976 -118.19833 |
| CP_1286 | PUB | DEPRESS | 54 | SQ_FT | ISOLATE | 34.80983 -118.19832 |
| CP_1287 | PUB | DEPRESS | 13 | SQ_FT | ISOLATE | 34.80973 -118.19829 |
| PD_1288 | PUB | RIVERINE | 10262 | SQ_FT | ISOLATE | 34.80706 -118.19653 |
| CP_1289 | PUB | DEPRESS | 1641 | SQ_FT | ISOLATE | 34.80622 -118.20294 |
| CP_1290 | PUB | DEPRESS | 889 | SQ_FT | ISOLATE | 34.80469 -118.20265 |
| CP_1291 | PUB | DEPRESS | 1291 | SQ_FT | ISOLATE | 34.80522 -118.20265 |
| CP_1292 | PUB | DEPRESS | 131 | SQ_FT | ISOLATE | 34.80519 -118.20255 |
| CP_1293 | PUB | DEPRESS | 528 | SQ_FT | ISOLATE | 34.80456 -118.20254 |
| CP_1294 | PUB | DEPRESS | 3893 | SQ_FT | ISOLATE | 34.80606 -118.2025 |
| CP_1295 | PUB | DEPRESS | 453 | SQ_FT | ISOLATE | 34.80645 -118.2024 |
| CP_1296 | PUB | DEPRESS | 26 | SQ_FT | ISOLATE | 34.80641 -118.20237 |
| CP_1297 | PUB | DEPRESS | 1278 | SQ_FT | ISOLATE | 34.80418 -118.20184 |
| CP_1298 | PUB | DEPRESS | 55 | SQ_FT | ISOLATE | 34.80384 -118.2018 |
| CP_1299 | PUB | DEPRESS | 1616 | SQ_FT | ISOLATE | 34.80519 -118.20151 |
| CP_1300 | PUB | DEPRESS | 572 | SQ_FT | ISOLATE | 34.80648 -118.20125 |
| CP_1301 | PUB | DEPRESS | 1538 | SQ_FT | ISOLATE | 34.80639 -118.20105 |
| CP_1302 | PUB | DEPRESS | 567 | SQ_FT | ISOLATE | 34.80584 -118.20059 |
| CP_1313-001 | PUB | DEPRESS | 424 | SQ_FT | ISOLATE | 34.80585 -118.19943 |
| CP_1313-002 | PUB | DEPRESS | 8 | SQ_FT | ISOLATE | 34.80585 -118.19943 |
| CP_1313-003 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.80585 -118.19943 |
| CP_1313-004 | PUB | DEPRESS | 11 | SQ_FT | ISOLATE | 34.80585 -118.19943 |
| CP_1313-005 | PUB | DEPRESS | 11 | SQ_FT | ISOLATE | 34.80585 -118.19943 |
| CP_1314 | PUB | DEPRESS | 13 | SQ_FT | ISOLATE | 34.80584 -118.19936 |
| CP_1315 | PUB | DEPRESS | 41 | SQ_FT | ISOLATE | 34.80581 -118.19934 |
| CP_1316 | PUB | DEPRESS | 30 | SQ_FT | ISOLATE | 34.80642 -118.19922 |
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| CP_1322 | PUB | DEPRESS | 140 | SQ_FT | ISOLATE | 34.80405 -118.19833 |
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| CP_1325 | PUB | DEPRESS | 98 | SQ_FT | ISOLATE | 34.80392 -118.19812 |
| CP_1328 | PUB | DEPRESS | 98 | SQ_FT | ISOLATE | 34.80342 -118.19772 |
| CP_1332 | PUB | DEPRESS | 132 | SQ_FT | ISOLATE | 34.80356 -118.19741 |
| CP_1334 | PUB | DEPRESS | 435 | SQ_FT | ISOLATE | 34.80308 -118.19689 |
| CP_1335 | PUB | DEPRESS | 62 | SQ_FT | ISOLATE | 34.80444 -118.19649 |
| CP_1337 | PUB | DEPRESS | 27 | SQ_FT | ISOLATE | 34.80463 -118.19583 |
| CP_1338 | PUB | DEPRESS | 28 | SQ_FT | ISOLATE | 34.80466 -118.19581 |
| CP_1339 | PUB | DEPRESS | 44 | SQ_FT | ISOLATE | 34.80469 -118.19571 |
| CP_1341 | PUB | DEPRESS | 62 | SQ_FT | ISOLATE | 34.80456 -118.19539 |
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| CP_1342-002 | PUB | DEPRESS | 12 | SQ_FT | ISOLATE | 34.80482 -118.19447 |
| CP_1342-003 | PUB | DEPRESS | 101 | SQ_FT | ISOLATE | 34.80482 -118.19447 |
| CP_1342-004 | PUB | DEPRESS | 8 | SQ_FT | ISOLATE | 34.80482 -118.19447 |
| CP_1342-005 | PUB | DEPRESS | 20 | SQ_FT | ISOLATE | 34.80482 -118.19447 |
| CP_1345 | PUB | DEPRESS | 321 | SQ_FT | ISOLATE | 34.80444 -118.19369 |
| CP_1346 | PUB | DEPRESS | 3 | SQ_FT | ISOLATE | 34.80474 -118.19359 |
| CP_3333-059 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.8168 -118.20334 |
| CP_3334-060 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.81681 -118.20332 |
| CP_3335-061 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.81667 -118.20302 |
| CP_3336-001 | PUB | DEPRESS | 3 | SQ_FT | ISOLATE | 34.81228 -118.20222 |
| CP_3336-002 | PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.81228 -118.20222 |
| CP_3337-056 | PUB | DEPRESS | 6 | SQ_FT | ISOLATE | 34.81197 -118.20147 |
| CP_3338-055 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.8099 -118.20115 |
| CP_3340-054 | PUB | DEPRESS | 4 | SQ_FT | ISOLATE | 34.80449 -118.19641 |
| CP_3344-062 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.80476 -118.19365. |



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 21, 2016



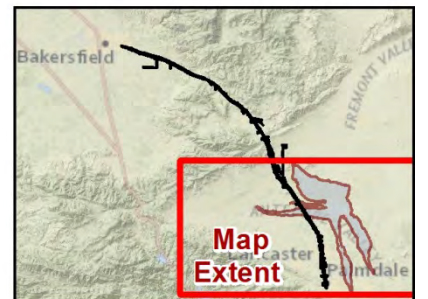
BP HSR Mapped Streams with OHWM in Rosamond Lake Watershed Study Area

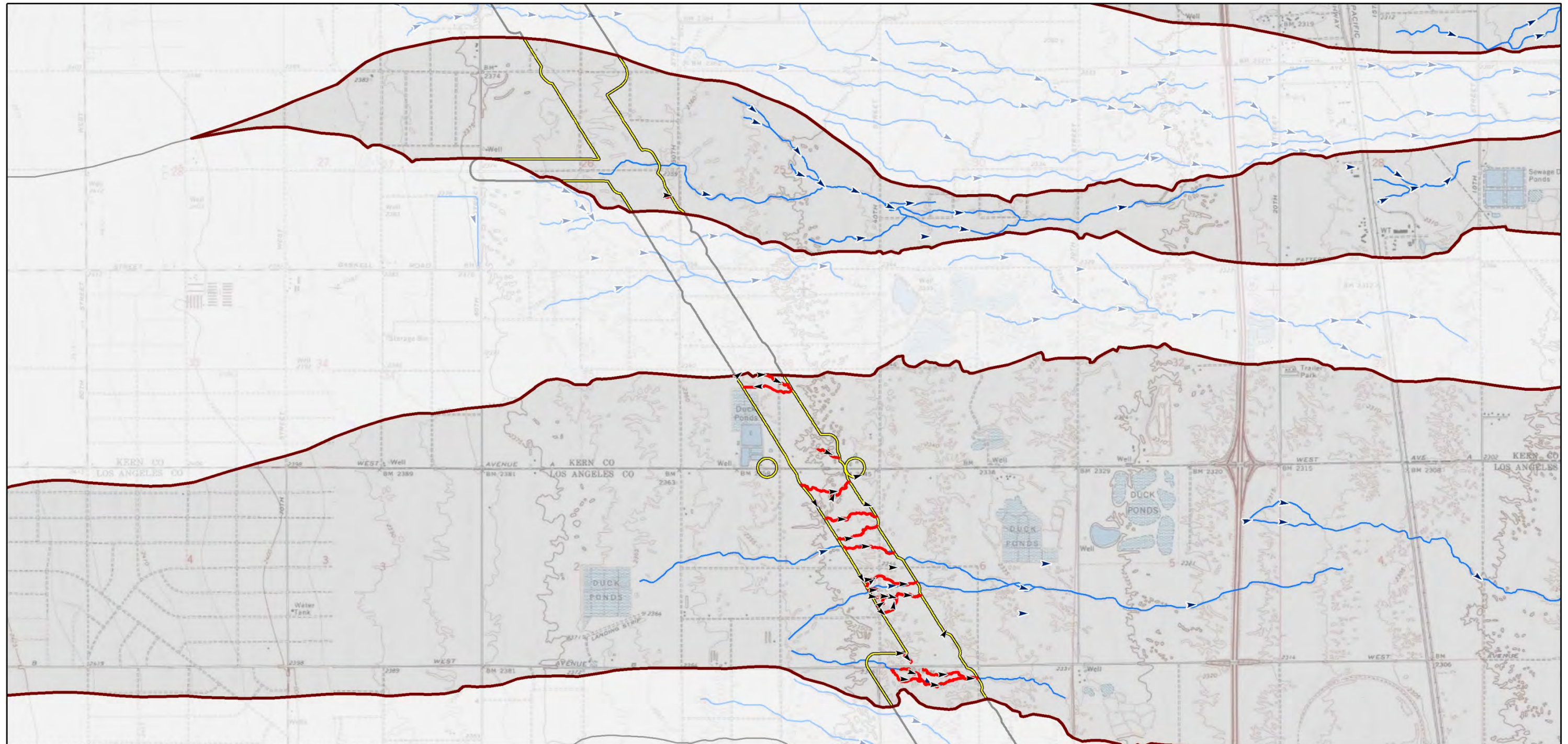
→ Ephemeral Stream

- Study Area in the Rosamond Lake Creek Watershed
- Rosamond Lake Watershed HUC-10
- Other HUC-10 Watersheds

- Wetlands Study Area (Project Footprint + 250 ft Buffer)
- Lake Palmdale HUC-12 Watershed
- Direction of flow based on NHD flowlines

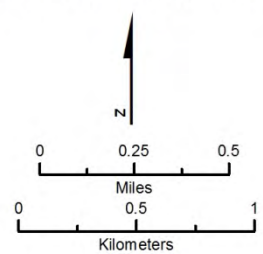
Rosamond Lake Watershed Hydrologic Connectivity





PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 14, 2016

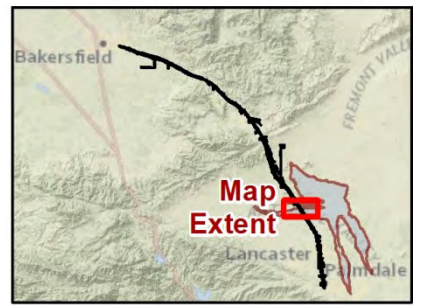


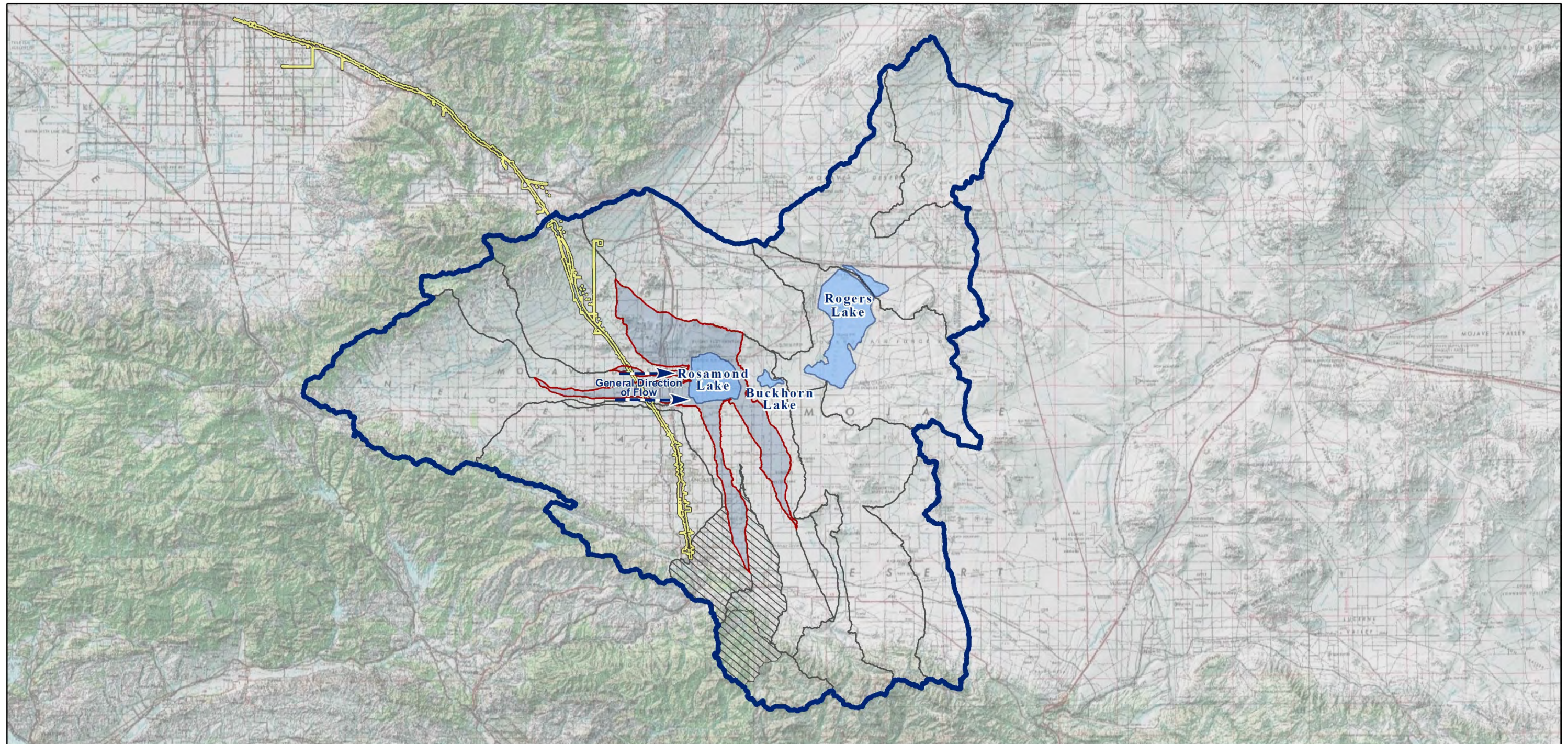
BP HSR Mapped Streams with OHWM in Rosamond Lake Watershed Study Area
 —▶ Ephemeral Stream

Study Area in the Rosamond Lake Creek Watershed
 Rosamond Lake Watershed HUC-10

Wetlands Study Area (Project Footprint + 250 ft Buffer)
 Direction of flow based on NHD flowlines

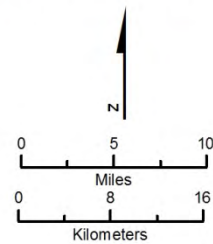
Rosamond Lake Watershed Study Area Hydrologic Connectivity





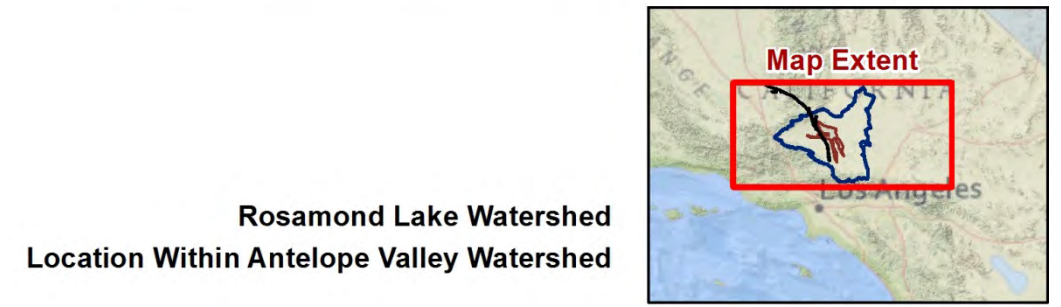
PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 17, 2016

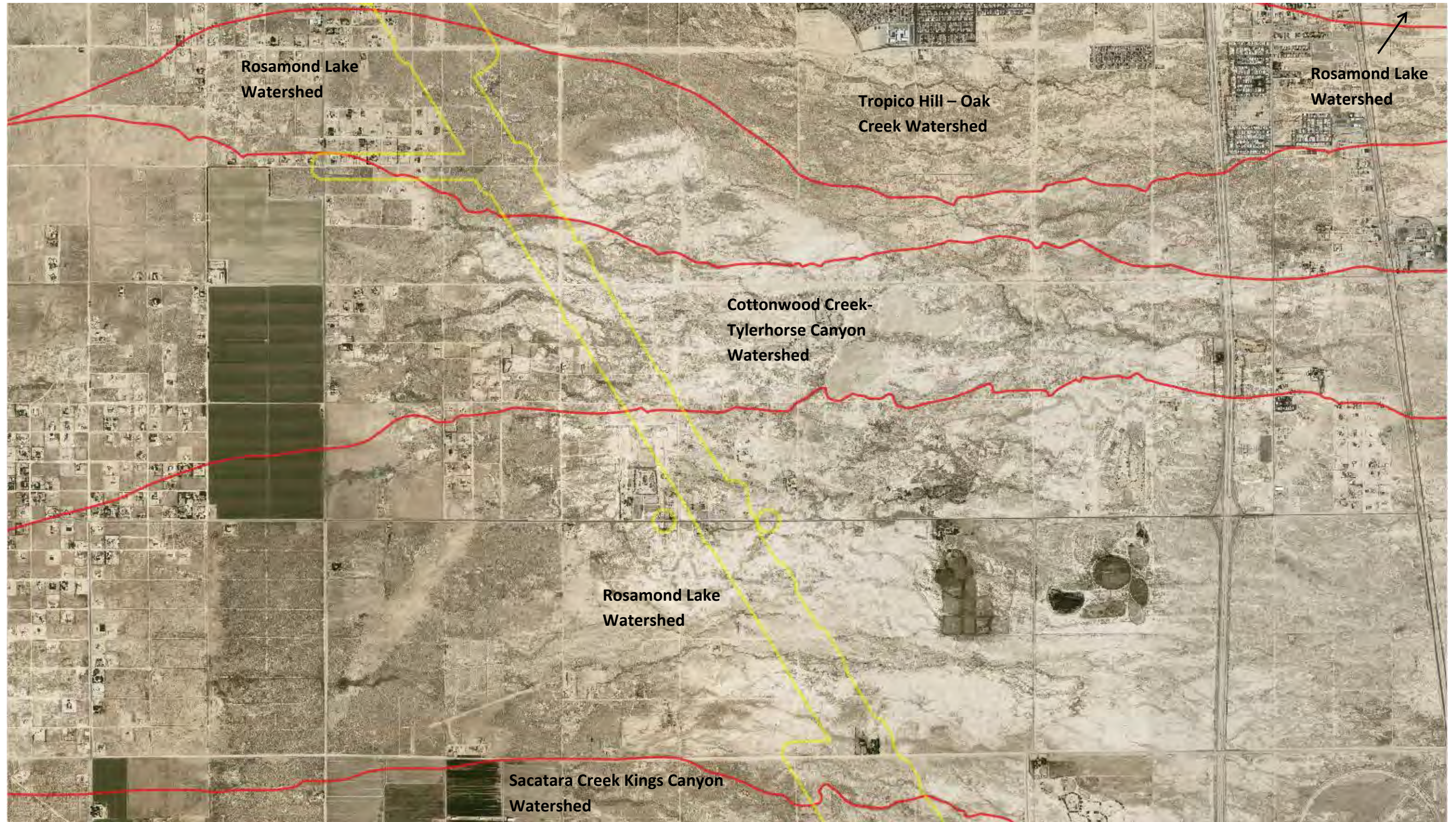


- Rosamond Lake Watershed HUC-10
- Antelope Valley Watershed (as described in SPL-2011-01084-SLP)
- HUC-12 Watersheds excluded from SPL-2011-01084-SLP
- Wetlands Study Area (Project Footprint + 250 ft Buffer)

The U.S. Army Corps of Engineers issued a SWANCC watershed-level Approved Jurisdictional Determination for Antelope Valley (HUC 10 #s 1809020609 through 1809020624) on June 7, 2013. Note that this determination specifically excluded the areas of Lake Palmdale and all waters tributary to Lake Palmdale (portions of HUC 12 #s 180902061501, 180902061102, 180902061103). This figure illustrates the location of the study area relative to the previous watershed-level decision.



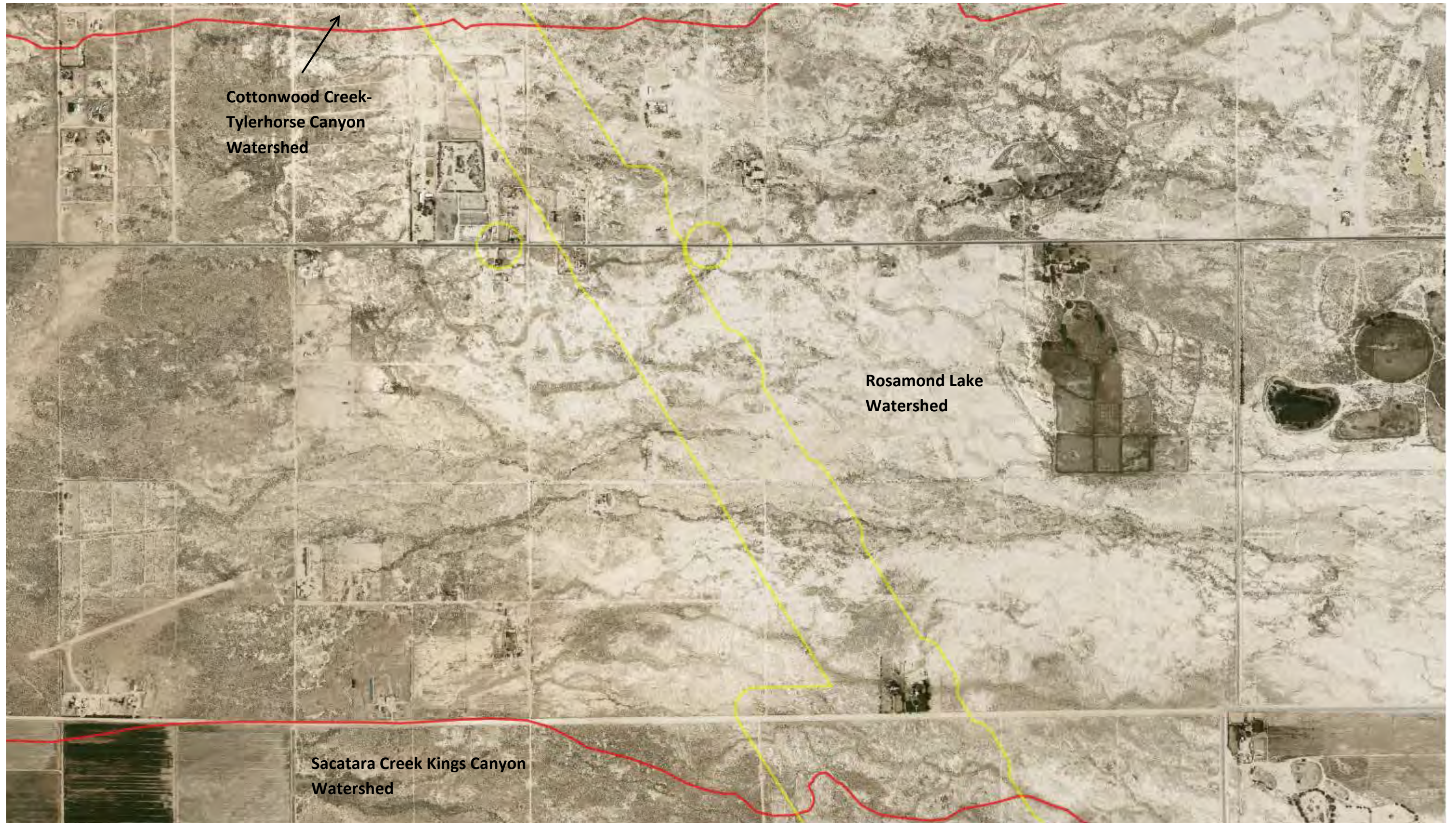
**Rosamond Lake Watershed
 Location Within Antelope Valley Watershed**



Kern County 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Kern County 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Cottonwood Creek-Tylerhorse Canyon Watershed

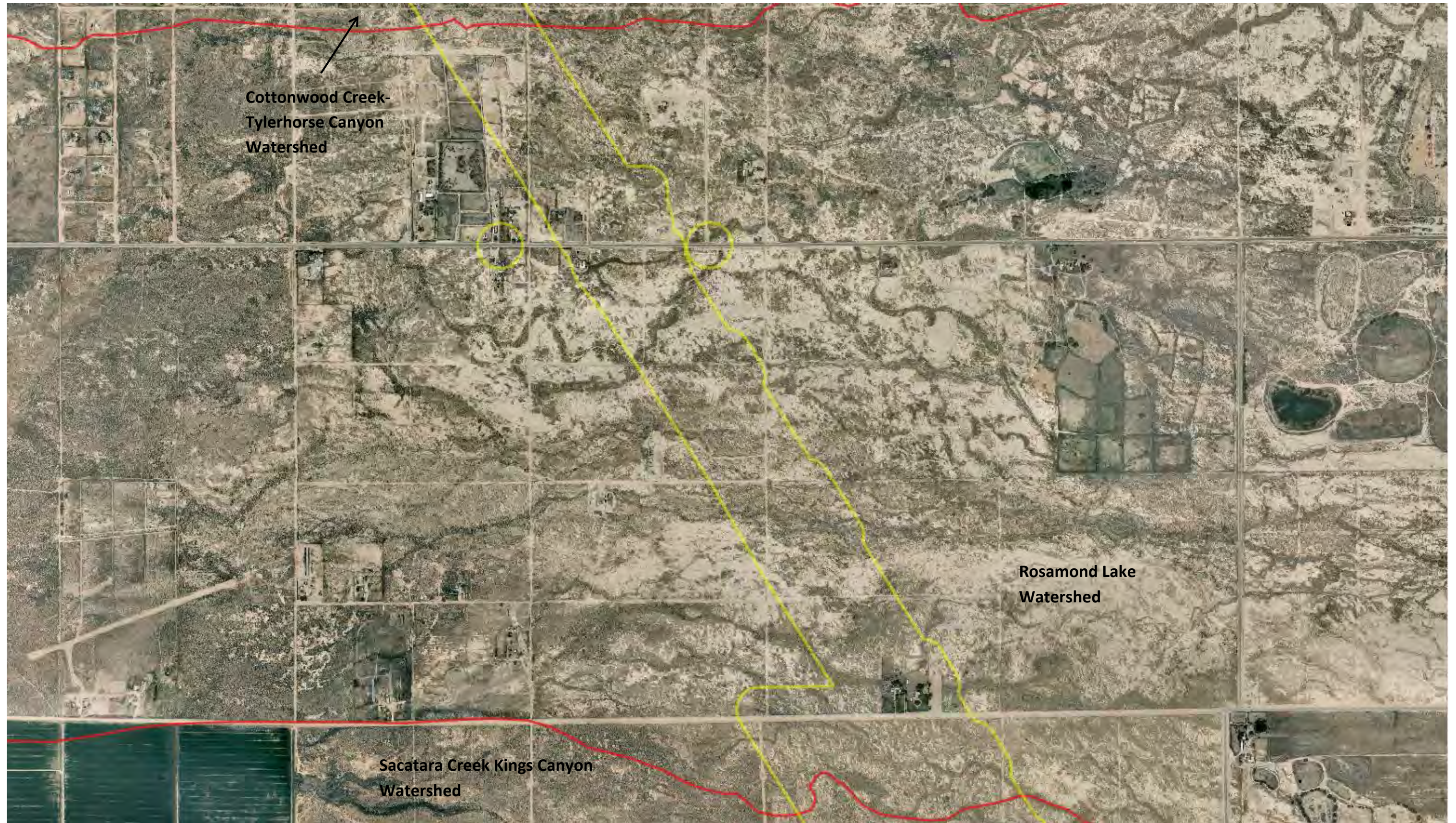
Rosamond Lake Watershed

Sacatara Creek Kings Canyon Watershed

Kern County 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Kern County 2010 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.

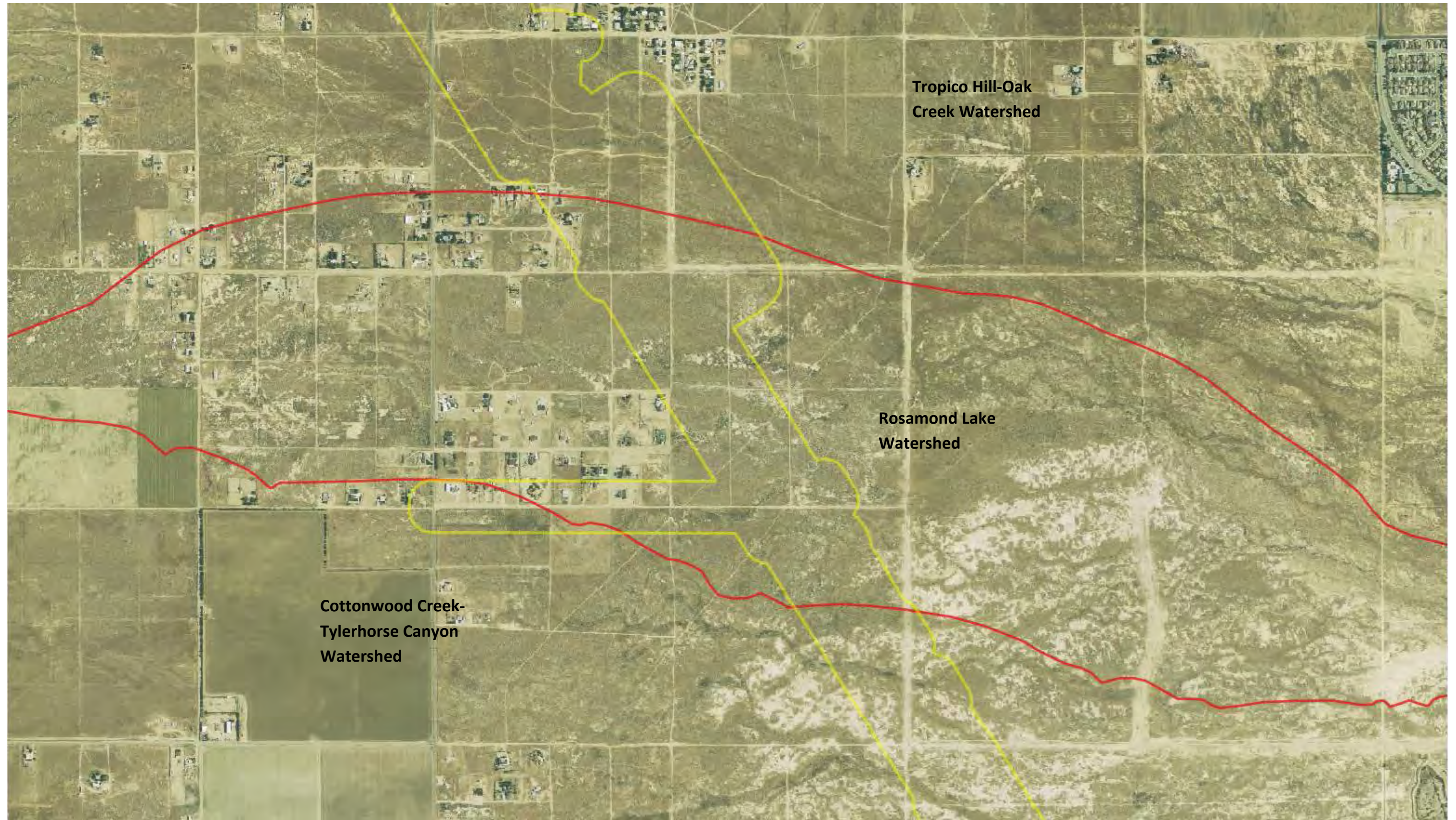


Cottonwood Creek-Tylerhorse Canyon Watershed

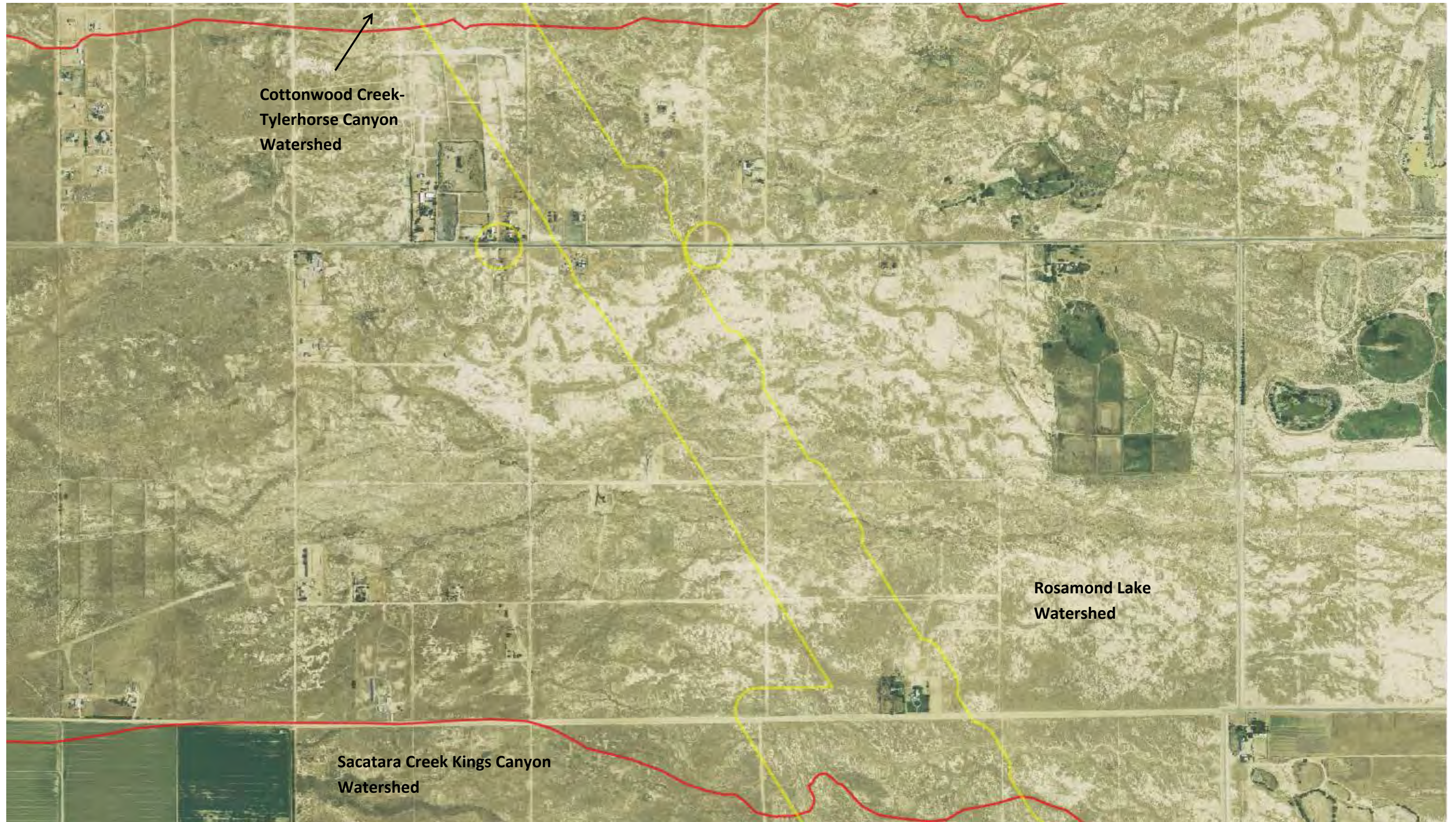
Rosamond Lake Watershed

Sacatara Creek Kings Canyon Watershed

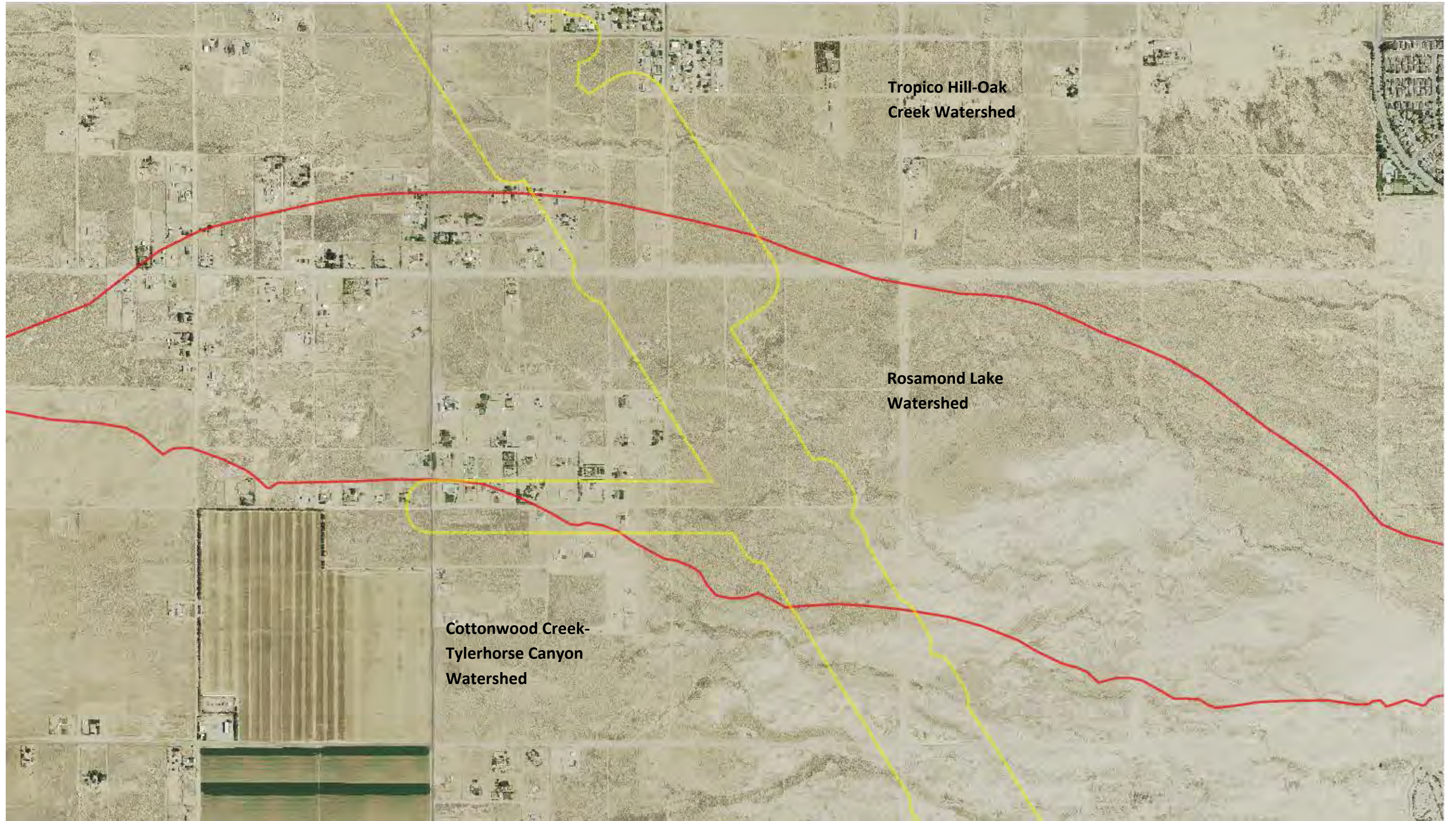
Kern County 2010 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



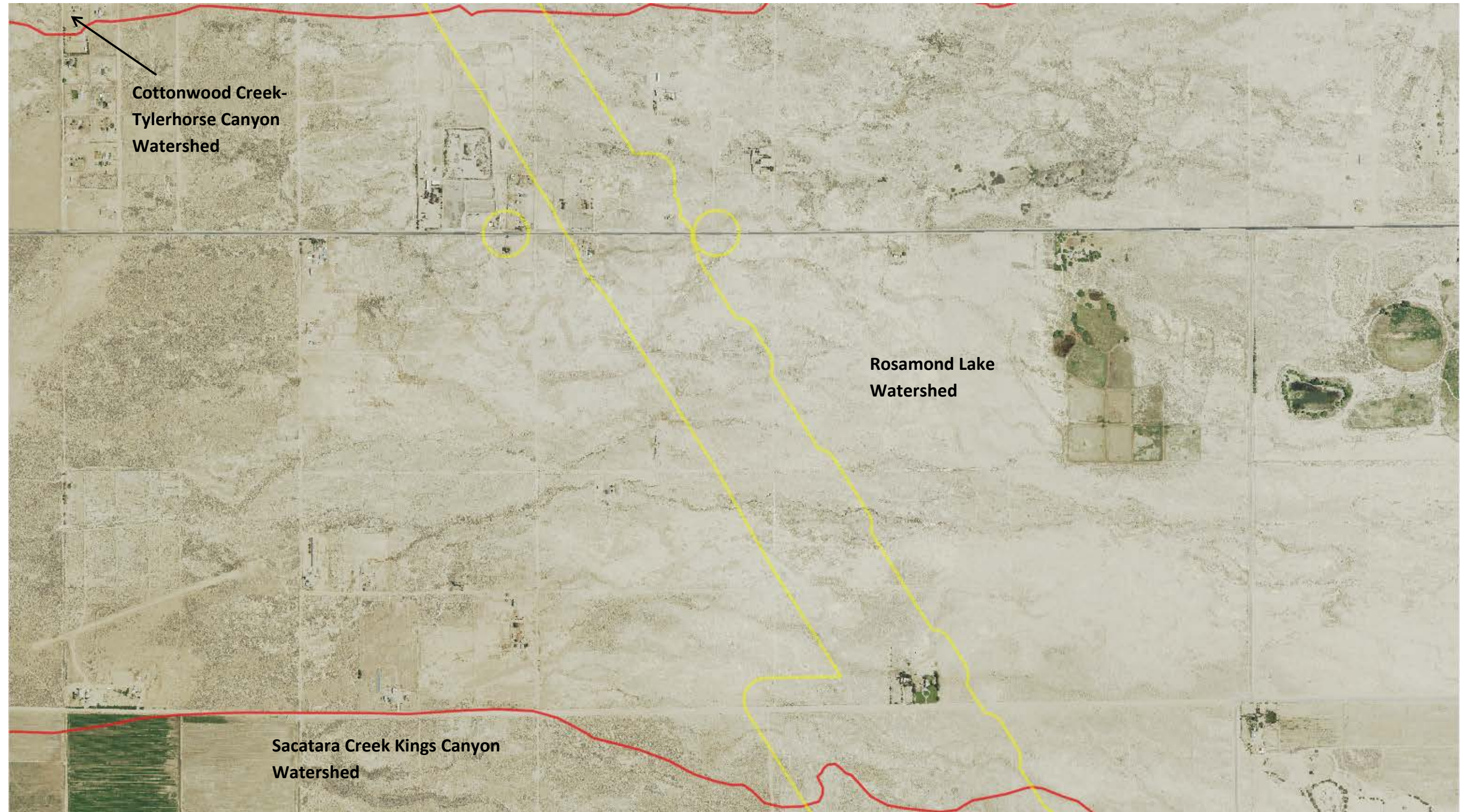
NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.

Aerial Sources: <http://maps.co.kern.ca.us/arcgis/services/> and <http://gis.apfo.usda.gov/arcgis/services/NAIP/>

Retrieved November 14, 2016.

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): August 3, 2017

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: SPL-2010-00945-JD5

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: CA County/parish/borough: Kern and Los Angeles City: N/A
Center coordinates of site (lat/long in degree decimal format): Lat. 34.83166° N, Long. 118.21721° W.
Universal Transverse Mercator: 388699 m E, 3855050 m N

Name of nearest waterbody: Rosamond Lake

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: N/A

Name of watershed or Hydrologic Unit Code (HUC): Cottonwood Creek- Tylerhorse Canyon, California 1809020618

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date: July 25, 2017

Field Determination. Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area (check all that apply):¹

- TNWs, including territorial seas
- Wetlands adjacent to TNWs
- Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs
- Non-RPWs that flow directly or indirectly into TNWs
- Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- Impoundments of jurisdictional waters
- Isolated (interstate or intrastate) waters, including isolated wetlands

b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: linear feet: width (ft) and/or acres.

Wetlands: acres.

c. Limits (boundaries) of jurisdiction based on: **Not Applicable.**

Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

Within the Cottonwood Creek-Tylerhorse Canyon HUC 10, the project area contains 57 aquatic features. These features include eight unnamed ephemeral desert wash stream features, 48 claypan features, and one ponded area. Ephemeral desert wash streams span a total of approximately 6,958 linear feet (1.31 miles) and cover approximately 0.52 acre; claypan features cover approximately 1.60 acres; and one ponded area occupies 8 square feet. Labeled maps and tables of features and dimensions are

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

provided in the Aquatic Resources Delineation Report, which identifies each feature according to which HUC-10 watershed it occurs within.

The unnamed ephemeral desert washes, features Str_0340 through Str-0346 and Str_0348, generally flow east within the study area and continue to flow generally east outside the study area toward Rosamond Dry Lake. Most of the ephemeral desert wash features dissipate and do not have defined channels that can be traced all the way down to the terminal point in the watershed. These features are similar to many other streams in the Antelope Valley Watershed that have well-defined channels where they originate in the mountains and foothills, but dissipate on the valley floor, where water movement during storms is primarily sheet flow.

Ephemeral claypan features, CP_1078 through CP_1110, CP-1112 through 114, CP_1118, CP_1130, and CP_1136, are scattered throughout the study area due to the relatively flat topography. Note that some features have multiple segments and are labeled as such in attached tables (e.g. CP_1095-001, CP_1095-002, etc.). These low-lying depressional features are ephemeral or intermittent, and typically hold water for a few weeks annually. One area of ponding, feature PD_1103, holds water for at least fourteen days after storms, was also identified in the study area. This aquatic feature generally holds water for a few weeks similar to claypans.

All aquatic features within the study area are ephemeral and are not used for commerce. The hydrologic connection to the low point in the Antelope Valley watershed, Rogers, Rosamond, and Buckhorn Dry Lakes, is primarily through sheet flow during storms. A review of topographic maps and watershed boundary datasets indicates that waters from the study area drain toward Rosamond Dry Lake.

There are no Traditional Navigable Waters (TNWs) or Relatively Permanent Waters (RPWs) in the study area, and the ephemeral desert streams in the study area are not tributaries to RPWs or TNWs. A previous SWANCC watershed-level Approved JD for Antelope Valley (HUC10 #s 1809020609 through 1809020624, excluding those portions of HUC12s 18090206151, 1901902061102, and 180902061103 that drain toward Lake Palmdale and its tributaries) determined that Rosamond, Buckhorn, and Rogers Dry Lakes, and their tributaries, (i.e. the Antelope Valley Watershed, excluding Lake Palmdale and tributaries to Lake Palmdale) are non-jurisdictional waters of the United States under SWANCC. This determination, SPL-2011-01084-SLP, dated June 7, 2013, found that these Antelope Valley waters are not tributary to either a TNW or an (a)(3) water and Rosamond, Buckhorn, and Rogers Dry Lakes are not (a)(3) waters themselves. The Corps made this watershed conclusion because the Antelope Valley watershed is an isolated, intrastate watershed without any surface water related interstate commerce. This previous determination is still in effect, and is appended as a supporting document for this determination.

Previously approved jurisdictional determinations have been made for tributaries to these dry lakes. When these lakes were analyzed in SPL-2011-01084-SLP, the Corps found no published commercial uses of the surface waters of any tributaries to Rosamond, Buckhorn and Rogers Dry Lakes, and determined that a review of aerial photographs (Google Earth) also did not depict surface water usage of any drainages tributary to the dry lakes. The Corps found that all tributaries to Rosamond, Buckhorn and Rogers Dry Lakes are not (a)(3) waters as defined by 33 C.F.R. section 328.3(a)(3)(i-iii). The previous determination found that since Rosamond, Buckhorn, and Rogers Dry Lakes are intrastate, isolated waters without a surface water connection to commerce, all tributaries to Rosamond, Buckhorn, and Rogers Dry Lakes as part of the overall watershed system are also isolated and additionally have no nexus to commerce. A review of current conditions and updated literature review found that conditions have not changed since the SPL-2011-01084-SLP determination for Antelope Valley. Thus, the eight unnamed ephemeral desert wash stream features, 48 claypan features, and one feature formed through ponding in desert developed areas in this study area are intrastate, isolated waters with no interstate or foreign commerce connection and therefore are not currently regulated.

The above is based upon the review of aerial photographs (Google Earth, accessed July 25, 2017) that also did not show surface water usage of the project drainages or the Rosamond Dry Lake terminus. Since the Rosamond Dry Lake is an intrastate, isolated water without a surface water connection to commerce (see prior AJD file No. SPL-2011-01084-SLP), the subject 33 unnamed ephemeral desert stream features, 325 claypan features, and 17 ponded features , as part of the same overall system, are also isolated and additionally have no nexus to commerce.

Based on the information above, the subject features: 8 unnamed ephemeral desert wash stream features, 48 claypan features, and one ponded area, are NONJURISDICTIONAL waters of the United States, since the waters are NOT tributary to either a TNW or an (a)(3) water and are NOT (a)(3) waters themselves. The Corps makes such a conclusion since the waters are tributary to an isolated, intrastate dry lake.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. **TNW**

Identify TNW: _____

Summarize rationale supporting determination: _____

2. **Wetland adjacent to TNW**

Summarize rationale supporting conclusion that wetland is “adjacent”: _____

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are “relatively permanent waters” (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. **Characteristics of non-TNWs that flow directly or indirectly into TNW**

(i) **General Area Conditions:**

Watershed size: **Pick List**

Drainage area: **Pick List**

Average annual rainfall: _____ inches

Average annual snowfall: _____ inches

(ii) **Physical Characteristics:**

(a) **Relationship with TNW:**

Tributary flows directly into TNW.

Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.

Project waters are **Pick List** river miles from RPW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Project waters are **Pick List** aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain: _____

Identify flow route to TNW⁵: _____

Tributary stream order, if known: _____

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b) General Tributary Characteristics (check all that apply):

Tributary is: Natural
 Artificial (man-made). Explain:
 Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

Average width: feet
Average depth: feet
Average side slopes: **Pick List**.

Primary tributary substrate composition (check all that apply):

Silts Sands Concrete
 Cobbles Gravel Muck
 Bedrock Vegetation. Type/% cover:
 Other. Explain:

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:

Presence of run/riffle/pool complexes. Explain:

Tributary geometry: **Pick List**

Tributary gradient (approximate average slope): %

(c) Flow:

Tributary provides for: **Pick List**

Estimate average number of flow events in review area/year: **Pick List**

Describe flow regime:

Other information on duration and volume:

Surface flow is: **Pick List**. Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

Tributary has (check all that apply):

Bed and banks
 OHWM⁶ (check all indicators that apply):
 clear, natural line impressed on the bank the presence of litter and debris
 changes in the character of soil destruction of terrestrial vegetation
 shelving the presence of wrack line
 vegetation matted down, bent, or absent sediment sorting
 leaf litter disturbed or washed away scour
 sediment deposition multiple observed or predicted flow events
 water staining abrupt change in plant community
 other (list):
 Discontinuous OHWM.⁷ Explain:

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

High Tide Line indicated by: Mean High Water Mark indicated by:
 oil or scum line along shore objects survey to available datum;
 fine shell or debris deposits (foreshore) physical markings;
 physical markings/characteristics vegetation lines/changes in vegetation types.
 tidal gauges
 other (list):

(iii) **Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain:

Identify specific pollutants, if known:

⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷Ibid.

(iv) **Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

2. **Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

(i) **Physical Characteristics:**

(a) General Wetland Characteristics:

Properties:

Wetland size: acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

- Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

Directly abutting

Not directly abutting

Discrete wetland hydrologic connection. Explain:

Ecological connection. Explain:

Separated by berm/barrier. Explain:

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately () acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N) Size (in acres) Directly abuts? (Y/N) Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
 TNWs: linear feet width (ft), Or, acres.
 Wetlands adjacent to TNWs: acres.
2. **RPWs that flow directly or indirectly into TNWs.**
 Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:
 Tributaries of TNW where tributaries have continuous flow “seasonally” (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.

Identify type(s) of waters: .

3. Non-RPWs⁸ that flow directly or indirectly into TNWs.

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.

Identify type(s) of waters: .

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
 Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

- Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. Impoundments of jurisdictional waters.⁹

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- Demonstrate that impoundment was created from "waters of the U.S.," or
 Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
 Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):¹⁰

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
 from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
 which are or could be used for industrial purposes by industries in interstate commerce.
 Interstate isolated waters. Explain: .
 Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

⁸See Footnote # 3.

⁹ To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

¹⁰ Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres.
Identify type(s) of waters: .
- Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
 - Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).
- Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: .
- Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): **6958** linear feet **averaging 3 to 11 feet in** width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: 1.60 acres. List type of aquatic resource: Claypans (1.6 acres) and other ponded areas (8 sq ft).
- Wetlands: acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource: .
- Wetlands: acres.

SECTION IV: DATA SOURCES.

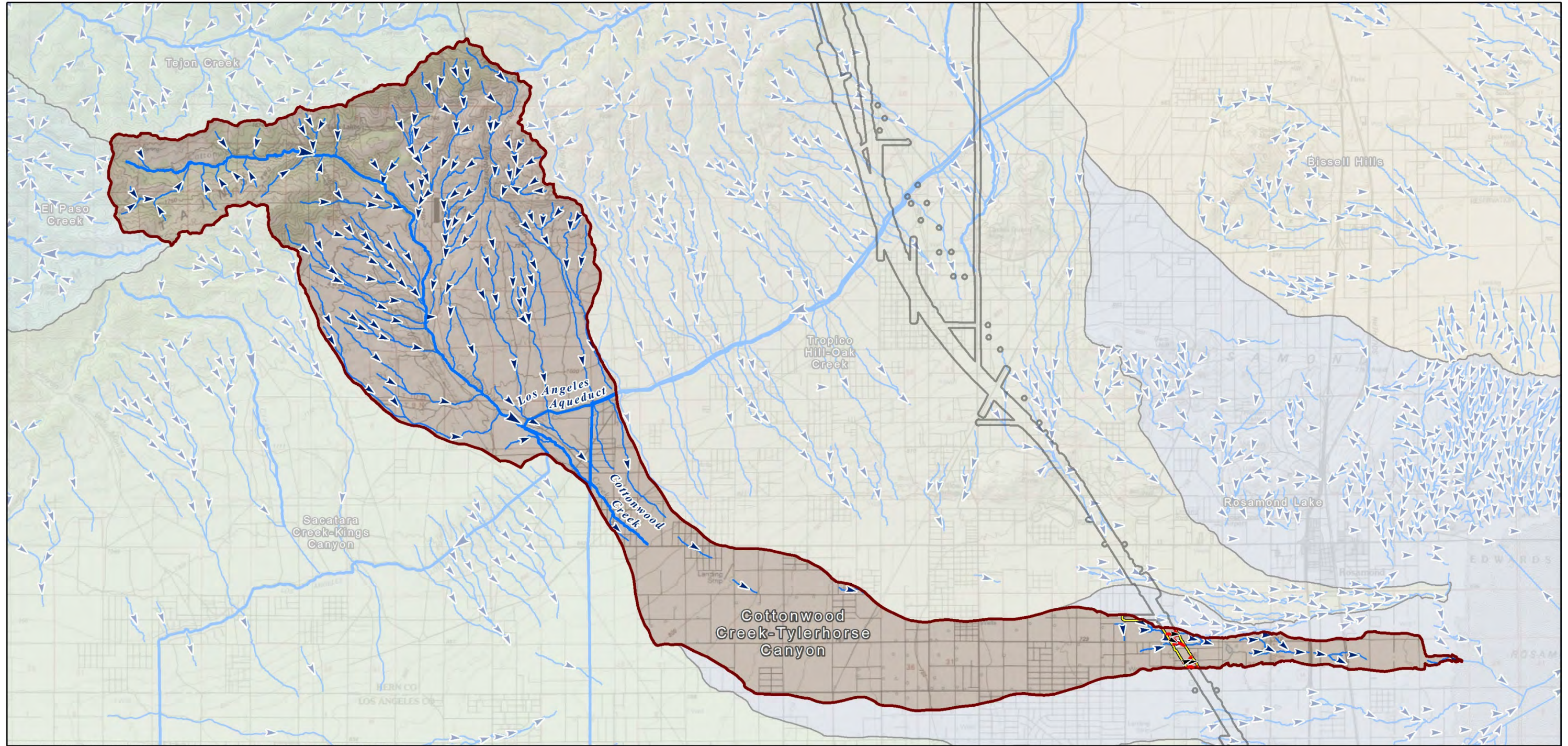
A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Features are depicted on Map Sheets 133-135 in Appendix E of the submitted delineation..
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps: .
- Corps navigable waters' study: .
- U.S. Geological Survey Hydrologic Atlas:(see enclosed map package for NHD flowline and watershed boundary data).
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Rosamond 7.5 minute quadrangle (See enclosed map package).
- USDA Natural Resources Conservation Service Soil Survey. Citation: .
- National wetlands inventory map(s). Cite name: .
- State/Local wetland inventory map(s): .
- FEMA/FIRM maps: .
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): NAIP Imagery 2005 and 2014 at 1-m resolution; Kern County Imagery 2008 and 2015 at 1-foot resolution; Los Angeles County 2011 and 2013 at a 1-foot resolution.
or Other (Name & Date): .
- Previous determination(s). File no. and date of response letter: SPL-2011-01084-SLP, June 7, 2013.
- Applicable/supporting case law: .
- Applicable/supporting scientific literature: .
- Other information (please specify):Aquatic Resources Delineation Report prepared by the applicant/consultant references additional materials; also Appendix E contains map sheets; Appendix F contains dimensions. HUC watershed maps of review areas with NHD Data provided by the applicant/consultant; general use of NAIP Imagery 2009, 2010, and 2012 at 1-m resolution; LA County Imagery 2012 and 2014 at a 1-foot resolution; 2015 Site specific IR Imagery, 3-inch color pixel; Bing Aerial Imagery - multiple years

(scale dependent); ESRI World Imagery (streaming service) multiple years (scale dependent); Google Earth Historic Photos (used for reference and includes portions from above listed sources).

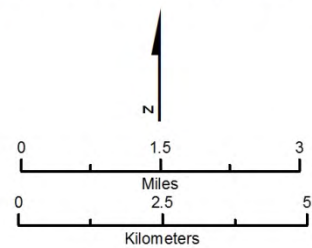
B. ADDITIONAL COMMENTS TO SUPPORT JD:

| Waters_Name | Cowardin_Code | HGM_Code | Amount | Units | Waters_Type | Latitude | Longitude |
|-------------|---------------|----------|--------|-------|-------------|----------|--------------|
| Str_0340 | R6 | RIVERINE | 0.1 | ACRE | ISOLATE | 34.83676 | -118.220615 |
| Str_0341 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.83775 | -118.219569 |
| Str_0342 | R6 | RIVERINE | 0.07 | ACRE | ISOLATE | 34.83529 | -118.220422 |
| Str_0343 | R6 | RIVERINE | 0.07 | ACRE | ISOLATE | 34.83436 | -118.218316 |
| Str_0344 | R6 | RIVERINE | 0.06 | ACRE | ISOLATE | 34.82896 | -118.214727 |
| Str_0345 | R6 | RIVERINE | 0.14 | ACRE | ISOLATE | 34.8286 | -118.212903 |
| Str_0346b | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.82733 | -118.2140673 |
| Str_0346d | R6 | RIVERINE | 0.002 | ACRE | ISOLATE | 34.82702 | -118.2130697 |
| Str_0346f | R6 | RIVERINE | 0.003 | ACRE | ISOLATE | 34.82701 | -118.2127448 |
| Str_0348 | R6 | RIVERINE | 0.01 | ACRE | ISOLATE | 34.82731 | -118.211299 |
| CP_1078 | PUB | DEPRESS | 849 | SQ_FT | ISOLATE | 34.83765 | -118.223017 |
| CP_1079 | PUB | DEPRESS | 2242 | SQ_FT | ISOLATE | 34.83797 | -118.221775 |
| CP_1080 | PUB | DEPRESS | 219 | SQ_FT | ISOLATE | 34.83785 | -118.220491 |
| CP_1081-001 | PUB | DEPRESS | 678 | SQ_FT | ISOLATE | 34.83662 | -118.220235 |
| CP_1081-002 | PUB | DEPRESS | 1209 | SQ_FT | ISOLATE | 34.83662 | -118.220235 |
| CP_1082 | PUB | DEPRESS | 640 | SQ_FT | ISOLATE | 34.8375 | -118.220189 |
| CP_108 3 | PUB | DEPRESS | 31 | SQ_FT | ISOLATE | 34.83654 | -118.220149 |
| CP_1084-001 | PUB | DEPRESS | 263 | SQ_FT | ISOLATE | 34.83657 | -118.220076 |
| CP_1084-002 | PUB | DEPRESS | 362 | SQ_FT | ISOLATE | 34.83657 | -118.220076 |
| CP_1085 | PUB | DEPRESS | 1977 | SQ_FT | ISOLATE | 34.83758 | -118.219374 |
| CP_1086 | PUB | DEPRESS | 109 | SQ_FT | ISOLATE | 34.83475 | -118.220989 |
| CP_1087-001 | PUB | DEPRESS | 8 | SQ_FT | ISOLATE | 34.83529 | -118.220713 |
| CP_1087-002 | PUB | DEPRESS | 2045 | SQ_FT | ISOLATE | 34.83529 | -118.220713 |
| CP_1087-003 | PUB | DEPRESS | 1635 | SQ_FT | ISOLATE | 34.83529 | -118.220713 |
| CP_1088 | PUB | DEPRESS | 466 | SQ_FT | ISOLATE | 34.83456 | -118.220533 |
| CP_1089-001 | PUB | DEPRESS | 1879 | SQ_FT | ISOLATE | 34.83402 | -118.220339 |
| CP_1089-002 | PUB | DEPRESS | 2173 | SQ_FT | ISOLATE | 34.83402 | -118.220339 |
| CP_1090 | PUB | DEPRESS | 28 | SQ_FT | ISOLATE | 34.83451 | -118.220247 |
| CP_1091 | PUB | DEPRESS | 533 | SQ_FT | ISOLATE | 34.83352 | -118.220214 |
| CP_1092-001 | PUB | DEPRESS | 414 | SQ_FT | ISOLATE | 34.83534 | -118.220169 |
| CP_1092-002 | PUB | DEPRESS | 96 | SQ_FT | ISOLATE | 34.83534 | -118.220169 |
| CP_1092-003 | PUB | DEPRESS | 1279 | SQ_FT | ISOLATE | 34.83534 | -118.220169 |
| CP_1093 | PUB | DEPRESS | 938 | SQ_FT | ISOLATE | 34.83468 | -118.220085 |
| CP_1094 | PUB | DEPRESS | 5495 | SQ_FT | ISOLATE | 34.83254 | -118.219582 |
| CP_1095-001 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.83488 | -118.219318 |
| CP_1095-002 | PUB | DEPRESS | 29315 | SQ_FT | ISOLATE | 34.83488 | -118.219318 |
| CP_1096 | PUB | DEPRESS | 195 | SQ_FT | ISOLATE | 34.83237 | -118.219267 |
| CP_1097 | PUB | DEPRESS | 35 | SQ_FT | ISOLATE | 34.83459 | -118.219256 |
| CP_1098 | PUB | DEPRESS | 57 | SQ_FT | ISOLATE | 34.83459 | -118.21912 |
| CP_1099 | PUB | DEPRESS | 1242 | SQ_FT | ISOLATE | 34.8326 | -118.218335 |
| CP_1100-001 | PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.83468 | -118.218293 |
| CP_1100-002 | PUB | DEPRESS | 715 | SQ_FT | ISOLATE | 34.83468 | -118.218293 |
| CP_1101 | PUB | DEPRESS | 138 | SQ_FT | ISOLATE | 34.83242 | -118.218245 |
| CP_1102 | PUB | DEPRESS | 1736 | SQ_FT | ISOLATE | 34.83481 | -118.218238 |
| PD_1103 | PUB | DEPRESS | 8 | SQ_FT | ISOLATE | 34.83079 | -118.218211 |
| CP_1104 | PUB | DEPRESS | 206 | SQ_FT | ISOLATE | 34.83156 | -118.217122 |
| CP_1105 | PUB | DEPRESS | 340 | SQ_FT | ISOLATE | 34.83485 | -118.217033 |
| CP_1106 | PUB | DEPRESS | 449 | SQ_FT | ISOLATE | 34.83091 | -118.21678 |
| CP_1107 | PUB | DEPRESS | 752 | SQ_FT | ISOLATE | 34.83068 | -118.213893 |
| CP_1108 | PUB | DEPRESS | 351 | SQ_FT | ISOLATE | 34.83031 | -118.21778 |
| CP_1109 | PUB | DEPRESS | 7010 | SQ_FT | ISOLATE | 34.83021 | -118.217256 |
| CP_1110 | PUB | DEPRESS | 68 | SQ_FT | ISOLATE | 34.82921 | -118.214855 |
| CP_1112-001 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.82715 | -118.214573 |
| CP_1112-002 | PUB | DEPRESS | 63 | SQ_FT | ISOLATE | 34.82715 | -118.214573 |
| CP_1113 | PUB | DEPRESS | 341 | SQ_FT | ISOLATE | 34.82917 | -118.214026 |
| CP_1114 | PUB | DEPRESS | 552 | SQ_FT | ISOLATE | 34.82845 | -118.213755 |
| CP_1118 | PUB | DEPRESS | 185 | SQ_FT | ISOLATE | 34.82828 | -118.213045 |
| CP_1130 | PUB | DEPRESS | 68 | SQ_FT | ISOLATE | 34.82785 | -118.212047 |
| CP_1136 | PUB | DEPRESS | 359 | SQ_FT | ISOLATE | 34.82724 | -118.211456. |



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 14, 2016



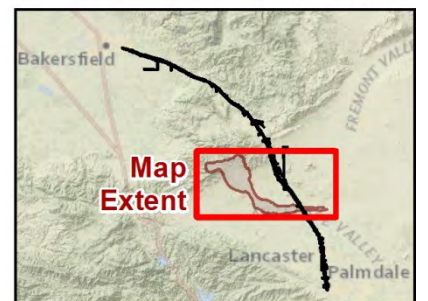
BP HSR Mapped Streams with OHWM in Cottonwood Creek-Tylerhorse Canyon Study Area

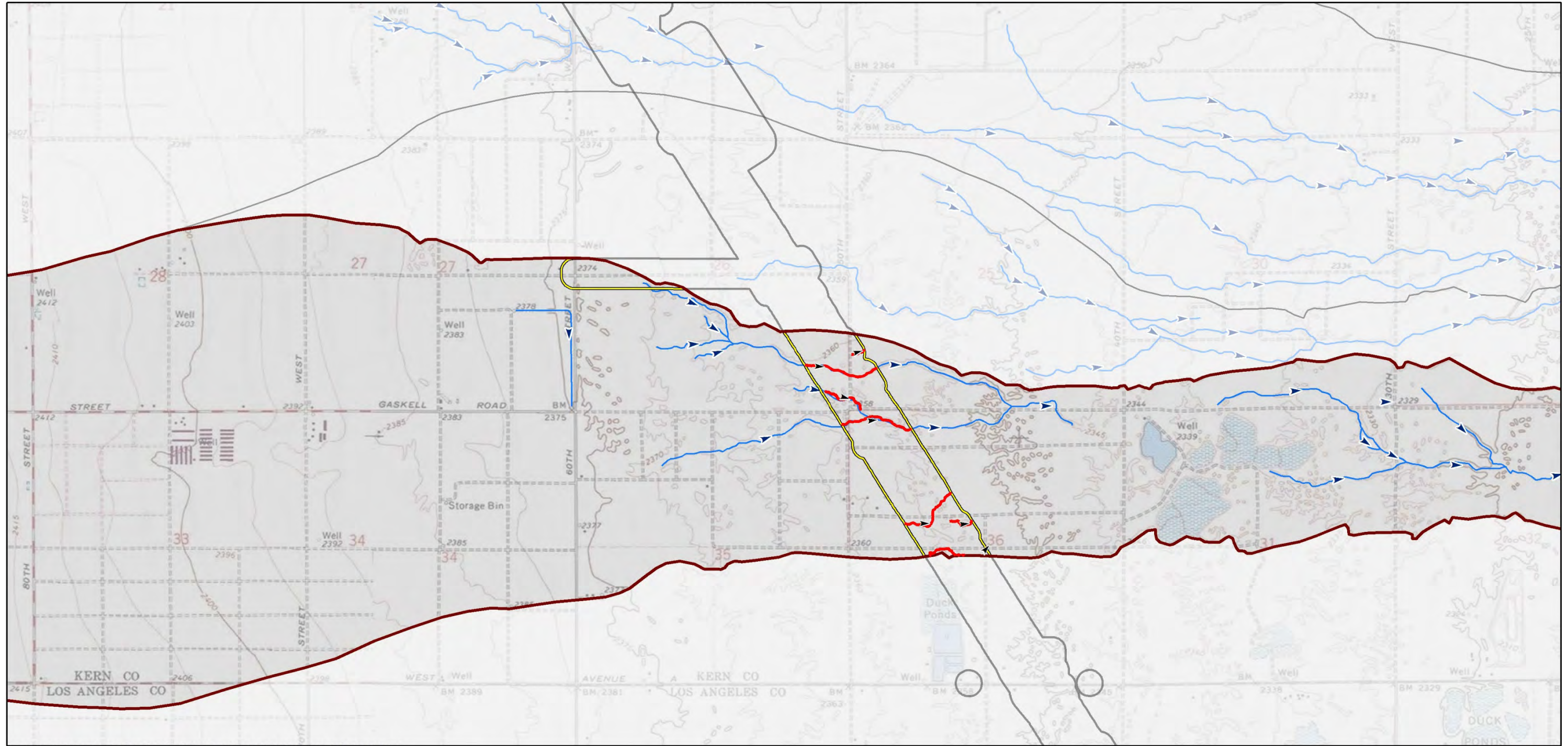
→ Ephemeral Stream

- Study Area in the Cottonwood Creek-Tylerhorse Canyon Watershed
- Cottonwood Creek-Tylerhorse Canyon Watershed HUC-10
- Other HUC-10 Watersheds

- Wetlands Study Area (Project Footprint + 250 ft Buffer)
- Direction of flow based on NHD flowlines

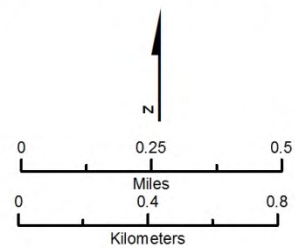
Cottonwood Creek - Tylerhorse Canyon Watershed Hydrologic Connectivity





PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 14, 2016



BP HSR Mapped Streams with OHWM in Cottonwood Creek-Tylerhorse Canyon Study Area

→ Ephemeral Stream

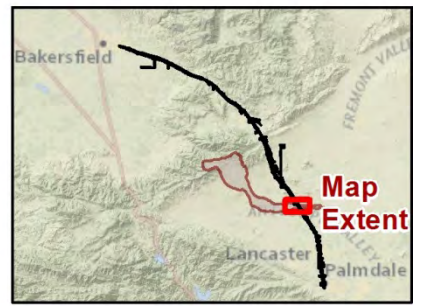
Study Area in the Cottonwood Creek-Tylerhorse Canyon Watershed

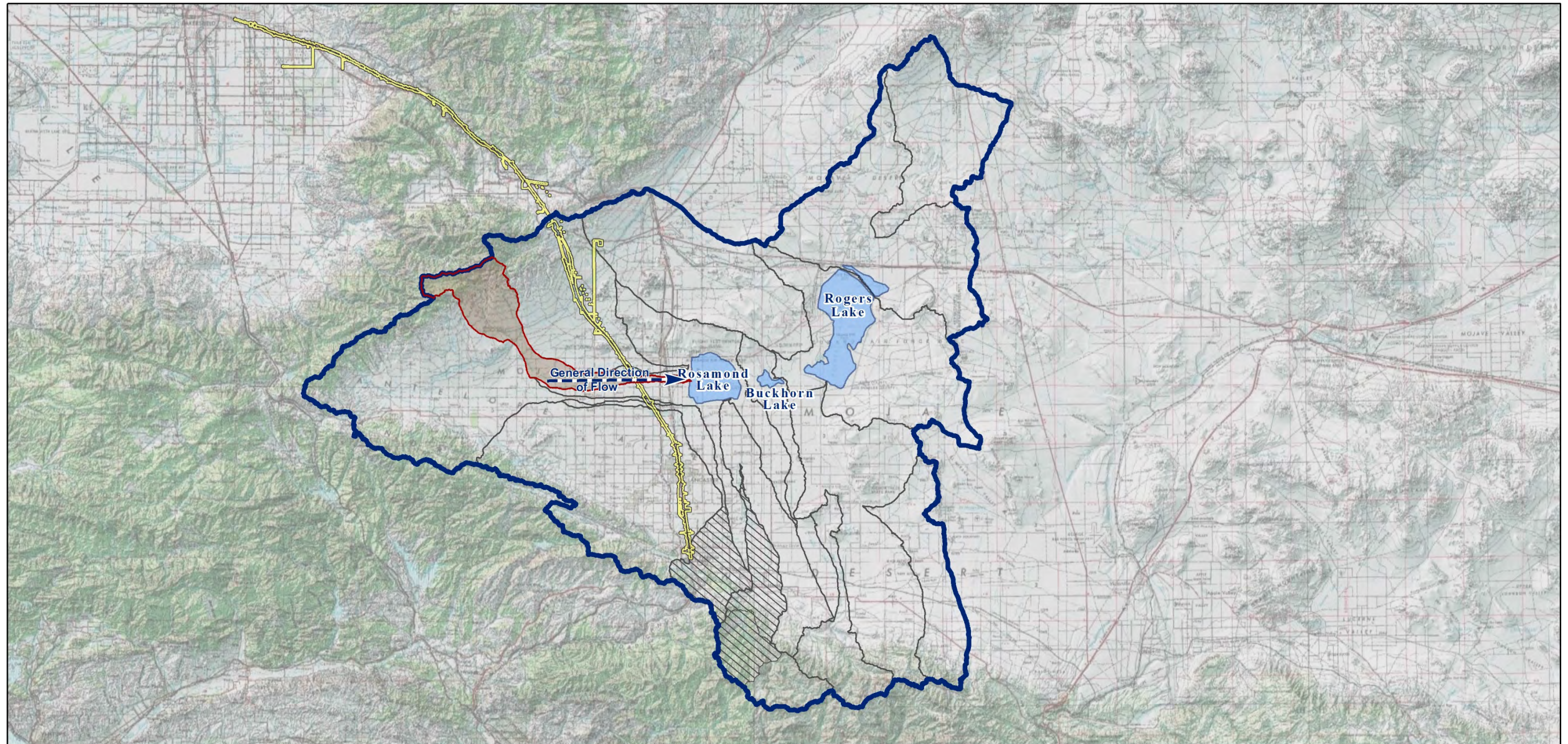
Cottonwood Creek-Tylerhorse Canyon Watershed HUC-10

Wetlands Study Area (Project Footprint + 250 ft Buffer)

Direction of flow based on NHD flowlines

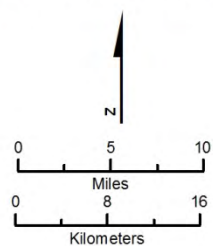
Cottonwood Creek - Tylerhorse Canyon Watershed Study Area Hydrologic Connectivity





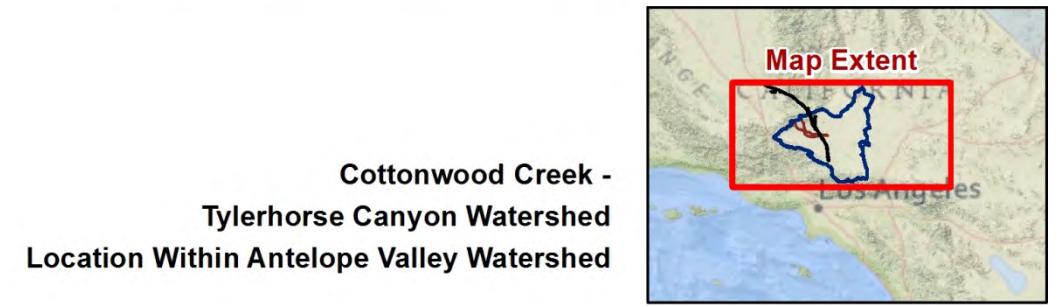
PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 17, 2016

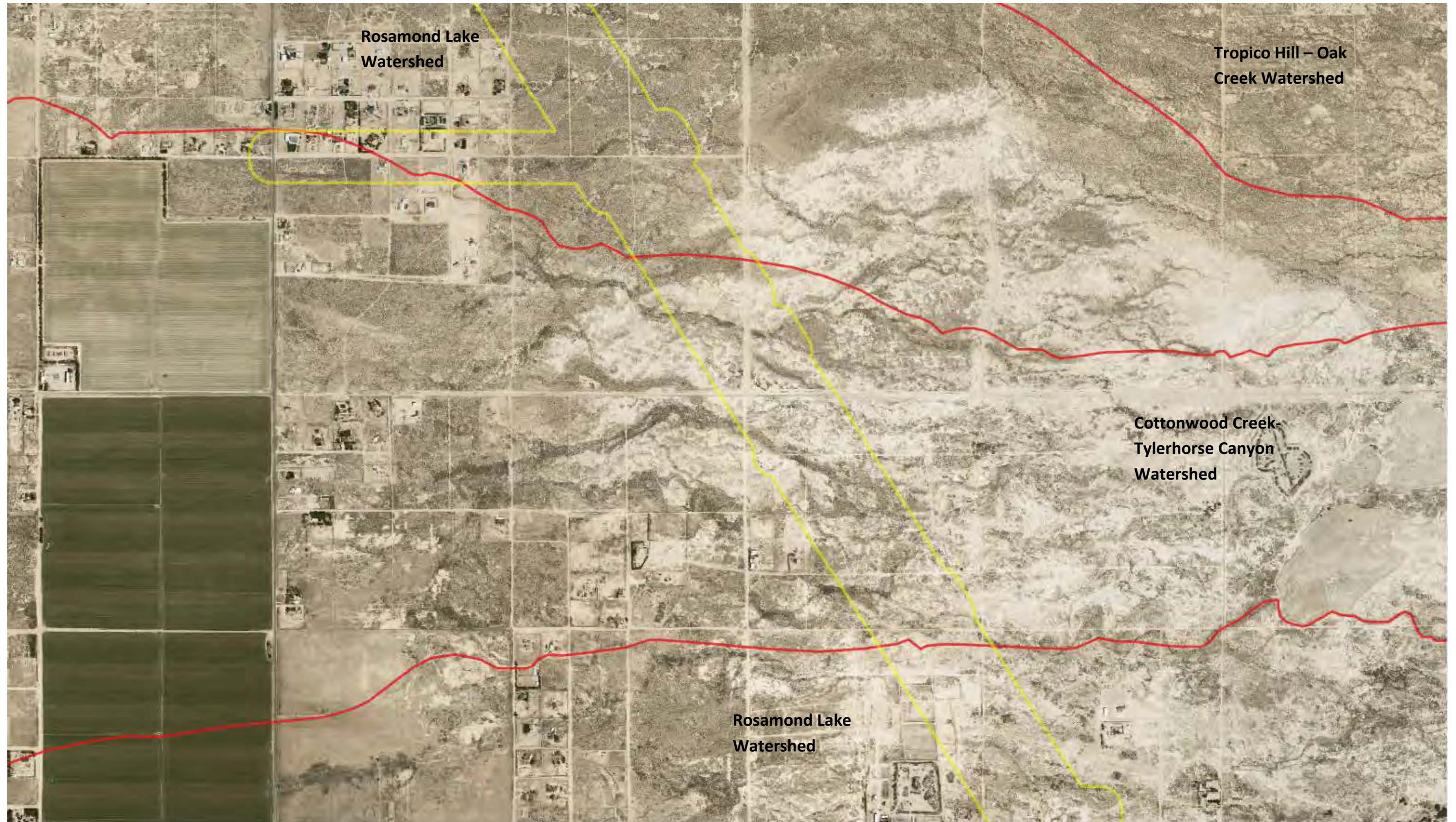


- Cottonwood Creek-Tylerhorse Canyon Watershed HUC-10
- Antelope Valley Watershed (as described in SPL-2011-01084-SLP)
- HUC-12 Watersheds excluded from SPL-2011-01084-SLP
- Wetlands Study Area (Project Footprint + 250 ft Buffer)

The U.S. Army Corps of Engineers issued a SWANCC watershed-level Approved Jurisdictional Determination for Antelope Valley (HUC 10 #s 1809020609 through 1809020624) on June 7, 2013. Note that this determination specifically excluded the areas of Lake Palmdale and all waters tributary to Lake Palmdale (portions of HUC 12 #s 180902061501, 180902061102, 180902061103). This figure illustrates the location of the study area relative to the previous watershed-level decision.



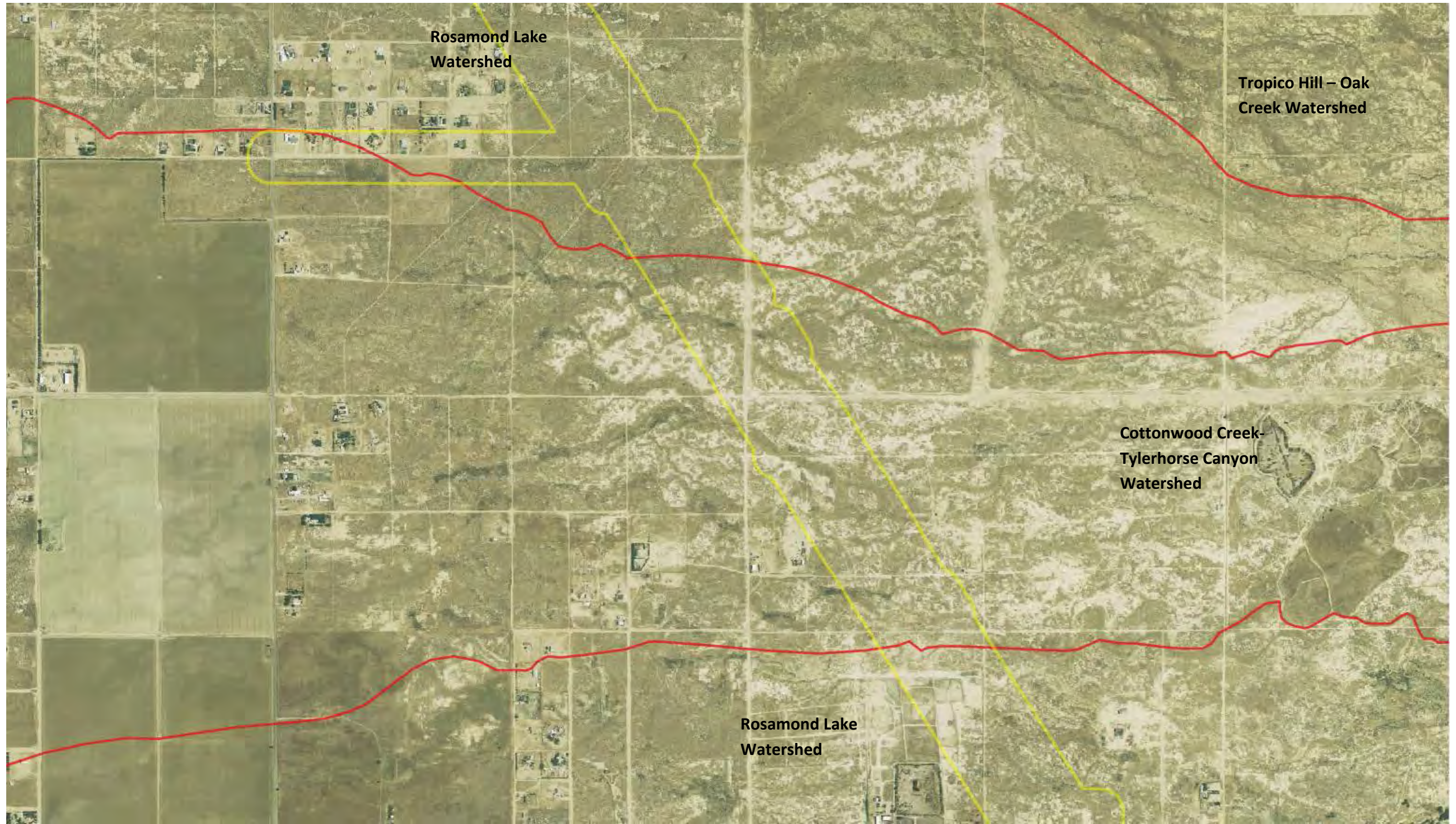
Cottonwood Creek - Tylerhorse Canyon Watershed Location Within Antelope Valley Watershed



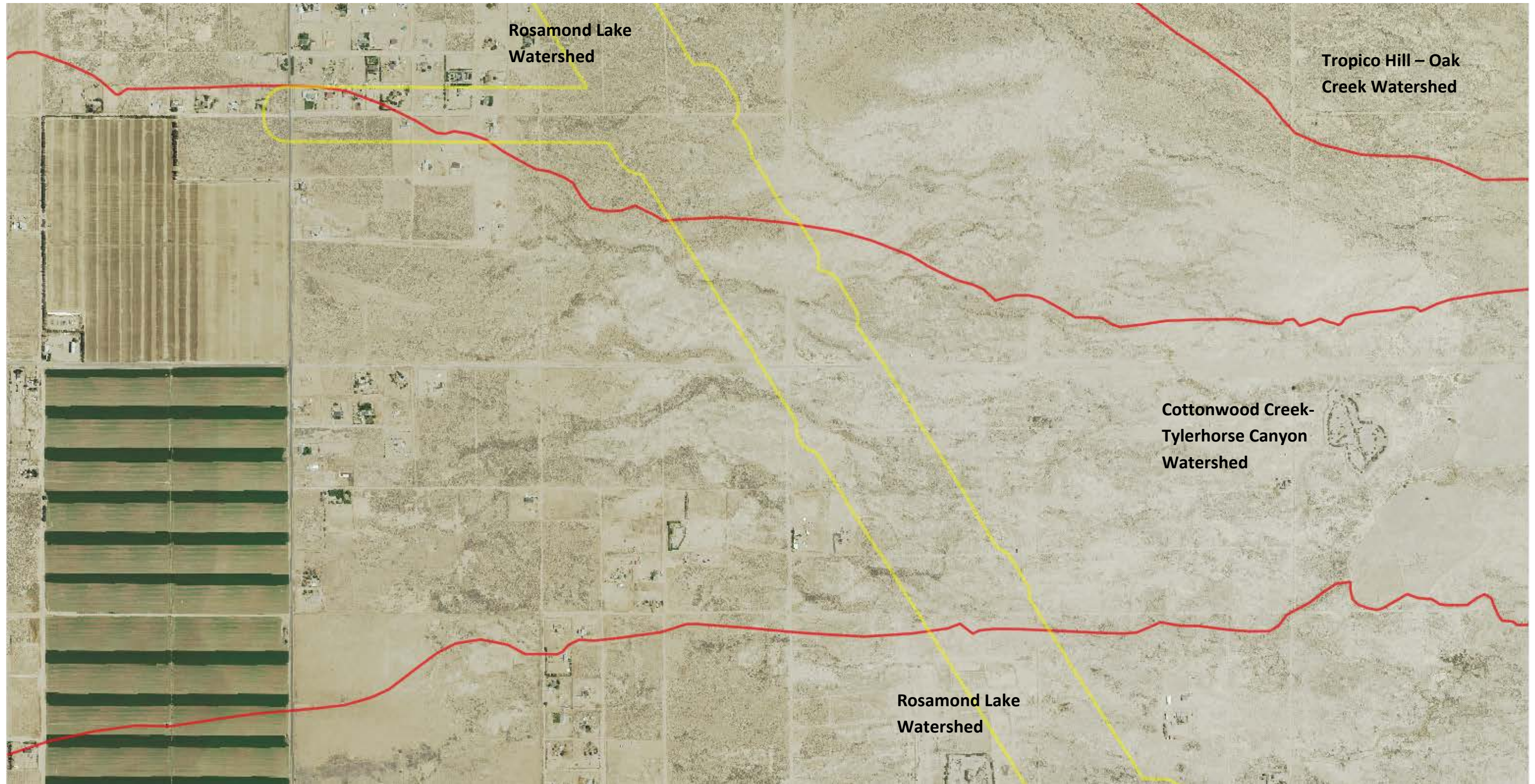
Kern County 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Kern County 2010 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.

Aerial Sources: <http://maps.co.kern.ca.us/arcgis/services/> and <http://gis.apfo.usda.gov/arcgis/services/NAIP/>

Retrieved November 14, 2016.

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): August 3, 2017

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: SPL-2010-00945-VCL-JD-6

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: CA County/parish/borough: Los Angeles County City: N/A
Center coordinates of site (lat/long in degree decimal format): Lat. 34.79805° N, Long. 118.19372° W.
Universal Transverse Mercator: 390801 m E, 3851298 m N

Name of nearest waterbody: Sacatara Creek

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: N/A

Name of watershed or Hydrologic Unit Code (HUC): Sacatara Creek- Kings Canyon, California, 1809020613

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date: July 25, 2017

Field Determination. Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area (check all that apply):¹

- TNWs, including territorial seas
- Wetlands adjacent to TNWs
- Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs
- Non-RPWs that flow directly or indirectly into TNWs
- Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- Impoundments of jurisdictional waters
- Isolated (interstate or intrastate) waters, including isolated wetlands

b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: linear feet: width (ft) and/or acres.

Wetlands: acres.

c. Limits (boundaries) of jurisdiction based on: **Not Applicable.**

Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

Within the project area of the Sacatara Creek-Kings Canyon HUC 10, there are a total of 279 aquatic features. These features include 8 unnamed ephemeral desert wash stream features, 6 ephemeral ditches, and 265 claypan features. Ephemeral desert wash streams span a total of approximately 6,636 linear feet (1.26 miles) and cover approximately 0.56 acre; ephemeral ditches span approximately 1,053 linear feet (0.20 mile), and cover approximately 0.08 acre; and claypan features cover a total of

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

approximately 1.03 acres. Labeled maps and tables of features and dimensions are provided in the Aquatic Resources Delineation Report, which identifies each feature according to which HUC-12 watershed it occurs within.

The unnamed ephemeral desert washes, features Str_0371, Str_0374, Str_0376 through Str_0378, and Str_381 through Str_382, generally flow east within the study area. Features Str_378, Str_381, and Str_382 flow east offsite toward Rosamond Dry Lake. The ephemeral ditches, features Ditch_379 and Str_380, are located along road shoulders and generally flow north-south along 30th Street West until reaching culverts where the water flows under the road, or on low points where the water flows across the road, rejoining natural aquatic features or sheet flow that convey the water farther east toward Rosamond Dry Lake. Note that features Str_0378 and Ditch_0379 have multiple segments and are labeled as such in attached tables (e.g. Ditch_0379-001, Ditch_0379-002, etc.). Most of the ephemeral desert wash and ditch features dissipate and do not have defined channels that can be traced all the way down to the terminal point in the watershed. These features are similar to many other streams in the Antelope Valley Watershed that have well-defined channels where they originate in the mountains and foothills, but dissipate on the valley floor, where water movement during storms is primarily sheet flow. Ephemeral and intermittent claypan features, CP_1303 through CP_1312, CP_1317 through CP_1320, CP_1324, CP_1326, CP_1327, CP_1329 through CP_1331, CP_1333, CP_1336, CP_1340, CP_1343 through CP_1344, CP_1347 through CP_1399, CP_1401 through CP_1425, CP_1427 through CP_1528, CP_3339, CP_3341 through CP_3343, CP_3345, and CP_3346, are scattered throughout the study area due to the relatively flat topography. These low-lying depressional features collect water, and when full, would overflow into surrounding areas, accumulating with sheet flow that generally moves very slowly toward Rosamond Dry Lake. Claypan aquatic resources are ephemeral or intermittent, and typically hold water for a few days to a few weeks annually. All aquatic features within the study area are ephemeral or intermittent and are not used for commerce. The hydrologic connection to the low point in the Antelope Valley watershed, Rogers, Rosamond, and Buckhorn Dry Lakes, is primarily through sheet flow during storms. A review of topographic maps and watershed boundary datasets indicates that waters from the study area drain toward Rosamond Dry Lake.

There are no Traditional Navigable Waters (TNWs) or Relatively Permanent Waters (RPWs) in the study area, and the ephemeral desert streams in the study area are not tributaries to RPWs or TNWs. A previous SWANCC watershed-level Approved JD for Antelope Valley (HUC10 #s 1809020609 through 1809020624, excluding those portions of HUC12s 18090206151, 1901902061102, and 180902061103 that drain toward Lake Palmdale and its tributaries) determined that Rosamond, Buckhorn, and Rogers Dry Lakes, and their tributaries, (i.e. the Antelope Valley Watershed, excluding Lake Palmdale and tributaries to Lake Palmdale) are non-jurisdictional waters of the United States under SWANCC. This determination, SPL-2011-01084-SLP, dated June 7, 2013, found that these Antelope Valley waters are not tributary to either a TNW or an (a)(3) water and Rosamond, Buckhorn, and Rogers Dry Lakes are not (a)(3) waters themselves. The Corps made this watershed conclusion because the Antelope Valley watershed is an isolated, intrastate watershed without any surface water related interstate commerce. This previous determination is still in effect, and is appended as a supporting document for this determination.

Previously approved jurisdictional determinations have been made for tributaries to these dry lakes. When these lakes were analyzed in SPL-2011-01084-SLP, the Corps found no published commercial uses of the surface waters of any tributaries to Rosamond, Buckhorn, and Rogers Dry Lakes, and determined that a review of aerial photographs (Google Earth) also did not depict surface water usage of any drainages tributary to the dry lakes. The Corps found that all tributaries to Rosamond, Buckhorn, and Rogers Dry Lakes are not (a)(3) waters as defined by 33 C.F.R. section 328.3(a)(3)(i-iii). The previous determination found that since Rosamond, Buckhorn, and Rogers Dry Lakes are intrastate isolated waters without a surface water connection to commerce, all tributaries to Rosamond, Buckhorn, and Rogers Dry Lakes as part of the overall watershed system are also isolated and additionally have no nexus to commerce. A review of current conditions and updated literature review found that conditions have not changed since the SPL-2011-01084-SLP determination for Antelope Valley. Thus, the eight ephemeral desert stream segments, six ephemeral ditches, and 265 ephemeral or intermittent claypan features in this study area are intrastate, isolated waters with no interstate or foreign commerce connection and therefore are not currently regulated.

The above is based upon the review of aerial photographs (Google Earth, accessed July 25, 2017) that also did not show surface water usage of the project drainages or the Rosamond Dry Lake terminus. Since the Rosamond Dry Lake is an intrastate isolated water without a surface water connection to commerce (see prior AJD file No. SPL-2011-01084-SLP), the subject 8 unnamed ephemeral desert wash stream features, 6 ephemeral ditches, and 265 claypan features, as part of the same overall system, are also isolated and additionally have no nexus to commerce.

Based on the information above, the subject drainages: 8 unnamed ephemeral desert wash stream features, 6 ephemeral ditches, and 265 claypan features, are NONJURISDICTIONAL waters of the United States, since the waters are NOT tributary to either a TNW or an (a)(3) water and are NOT (a)(3) waters themselves. The Corps makes such a conclusion since the waters are tributary to an isolated, intrastate dry lake.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. **TNW**

Identify TNW: .

Summarize rationale supporting determination: .

2. **Wetland adjacent to TNW**

Summarize rationale supporting conclusion that wetland is “adjacent”:

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are “relatively permanent waters” (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. **Characteristics of non-TNWs that flow directly or indirectly into TNW**

(i) **General Area Conditions:**

Watershed size: **Pick List**

Drainage area: **Pick List**

Average annual rainfall: inches

Average annual snowfall: inches

(ii) **Physical Characteristics:**

(a) Relationship with TNW:

Tributary flows directly into TNW.

Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.

Project waters are **Pick List** river miles from RPW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Project waters are **Pick List** aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain: .

Identify flow route to TNW⁵:

Tributary stream order, if known: .

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b) General Tributary Characteristics (check all that apply):

Tributary is: Natural
 Artificial (man-made). Explain:
 Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

Average width: feet
Average depth: feet
Average side slopes: **Pick Lis**.

Primary tributary substrate composition (check all that apply):

Silts Sands Concrete
 Cobbles Gravel Muck
 Bedrock Vegetation. Type/% cover:
 Other. Explain:

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:

Presence of run/riffle/pool complexes. Explain:

Tributary geometry: **Pick List**

Tributary gradient (approximate average slope): %

(c) Flow:

Tributary provides for: **Pick List**

Estimate average number of flow events in review area/year: **Pick List**

Describe flow regime:

Other information on duration and volume:

Surface flow is: **Pick List**. Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

Tributary has (check all that apply):

Bed and banks
 OHWM⁶ (check all indicators that apply):
 clear, natural line impressed on the bank the presence of litter and debris
 changes in the character of soil destruction of terrestrial vegetation
 shelving the presence of wrack line
 vegetation matted down, bent, or absent sediment sorting
 leaf litter disturbed or washed away scour
 sediment deposition multiple observed or predicted flow events
 water staining abrupt change in plant community
 other (list):
 Discontinuous OHWM.⁷ Explain:

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

High Tide Line indicated by: Mean High Water Mark indicated by:
 oil or scum line along shore objects survey to available datum;
 fine shell or debris deposits (foreshore) physical markings;
 physical markings/characteristics vegetation lines/changes in vegetation types.
 tidal gauges
 other (list):

(iii) **Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain:

Identify specific pollutants, if known:

⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷Ibid.

(iv) **Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

2. **Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

(i) **Physical Characteristics:**

(a) General Wetland Characteristics:

Properties:

Wetland size: _____ acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

Directly abutting

Not directly abutting

Discrete wetland hydrologic connection. Explain:

Ecological connection. Explain:

Separated by berm/barrier. Explain:

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately () acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N) Size (in acres) Directly abuts? (Y/N) Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:

TNWs: linear feet width (ft), Or, acres.
 Wetlands adjacent to TNWs: acres.

2. **RPWs that flow directly or indirectly into TNWs.**

Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:
 Tributaries of TNW where tributaries have continuous flow “seasonally” (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.

Identify type(s) of waters: .

3. Non-RPWs⁸ that flow directly or indirectly into TNWs.

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.

Identify type(s) of waters: .

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
 Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

- Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. Impoundments of jurisdictional waters.⁹

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- Demonstrate that impoundment was created from "waters of the U.S.," or
 Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
 Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):¹⁰

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
 from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
 which are or could be used for industrial purposes by industries in interstate commerce.
 Interstate isolated waters. Explain: .
 Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

⁸See Footnote # 3.

⁹ To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

¹⁰ Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres.
 Identify type(s) of waters: .
- Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
 - Prior to the Jan 2001 Supreme Court decision in “*SWANCC*,” the review area would have been regulated based solely on the “Migratory Bird Rule” (MBR).
- Waters do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction. Explain: .
- Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): **approximately 6,637** linear feet **ranging from 1 to 12 feet in** width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: 1.11 acres. List type of aquatic resource: Claypans 1.03 acres and Ditches 0.08 acres.
- Wetlands: acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource: .
- Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Features are depicted on Map Sheets 138-140 in Appendix E of the submitted delineation..
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps: .
- Corps navigable waters’ study: .
- U.S. Geological Survey Hydrologic Atlas: .
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Rosamond 7.5 minute quadrangle.
- USDA Natural Resources Conservation Service Soil Survey. Citation: .
- National wetlands inventory map(s). Cite name: .
- State/Local wetland inventory map(s): .
- FEMA/FIRM maps: .
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): NAIP Imagery 2005 and 2014 at 1-m resolution; Kern County Imagery 2010 and 2014 at 1-foot resolution; LA County Imagery 2011 and 2014 at a 1-foot resolution.
 or Other (Name & Date): .
- Previous determination(s). File no. and date of response letter: SPL-2011-01084-SLP, June 7, 2013.
- Applicable/supporting case law: .
- Applicable/supporting scientific literature: .
- Other information (please specify): Aquatic Resources Delineation Report prepared by the applicant/consultant references additional materials; also Appendix E contains map sheets; Appendix F contains dimensions. HUC watershed maps of review areas with NHD Data provided by the applicant/consultant; general use of NAIP Imagery 2009, 2010, and 2012 at 1-m resolution; LA County Imagery 2015 at 1-foot resolution; Kern County Imagery 2008 at a 1-foot resolution; 2015 Site specific IR Imagery, 3-inch color pixel;

Bing Aerial Imagery - multiple years (scale dependent); ESRI World Imagery (streaming service) multiple years (scale dependent);
 Google Earth Historic Photos (used for reference and includes portions from above listed sources).

B. ADDITIONAL COMMENTS TO SUPPORT JD:

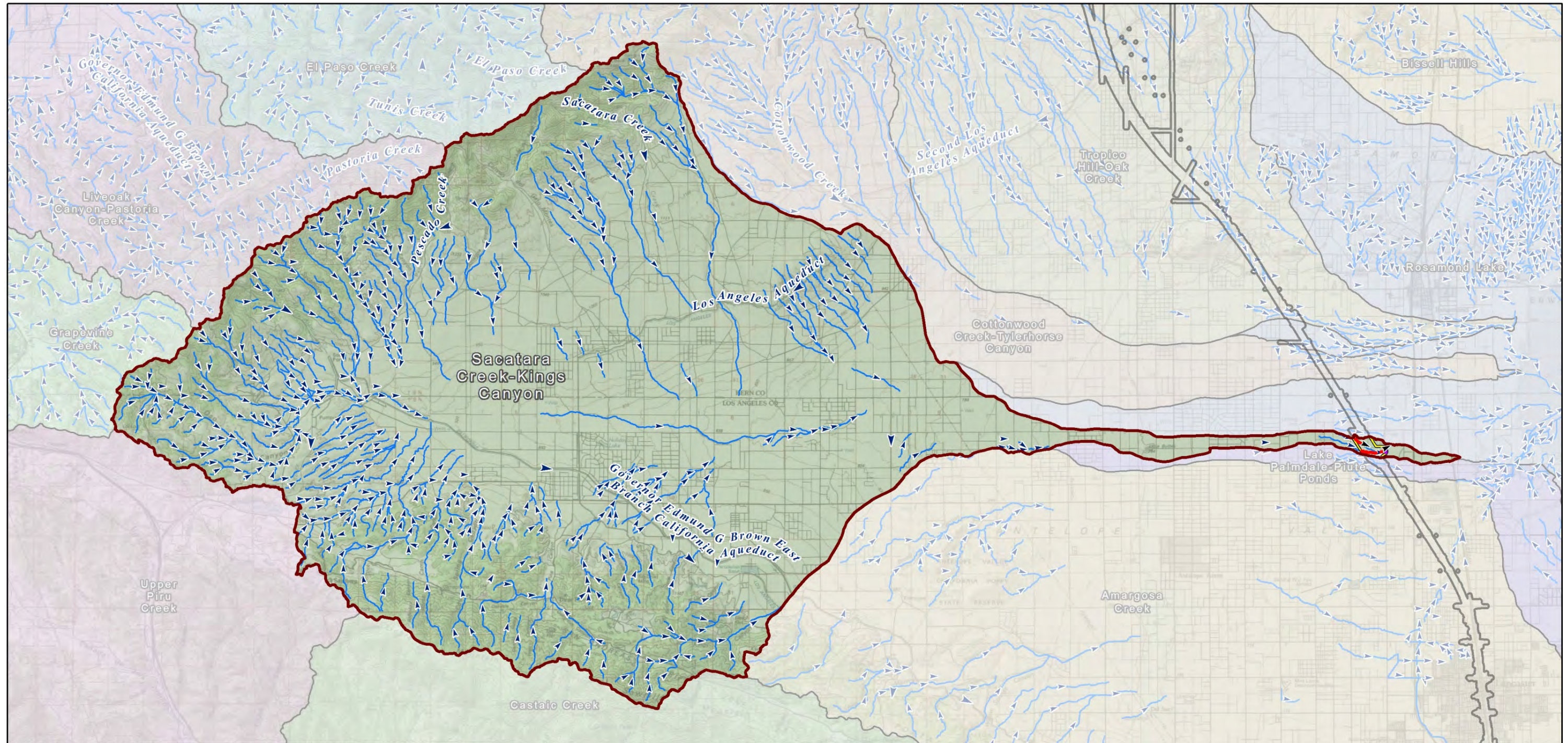
| Waters_Name | Cowardin_Code | HGM_Code | Amount | Units | Waters_Type | Latitude | Longitude |
|----------------|---------------|----------|--------|-------|-------------|-------------|--------------|
| Str_0371 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.80112439 | -118.1985431 |
| Str_0374 | R6 | RIVERINE | 0.02 | ACRE | ISOLATE | 34.7998403 | -118.1948202 |
| Str_0376 | R6 | RIVERINE | 0.28 | ACRE | ISOLATE | 34.79668022 | -118.1932502 |
| Str_0377 | R6 | RIVERINE | 0.05 | ACRE | ISOLATE | 34.79706909 | -118.1862042 |
| Str_0378 -001 | R6 | RIVERINE | 0.14 | ACRE | ISOLATE | 34.79869106 | -118.1857991 |
| Str_0378-002 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.79873505 | -118.1846352 |
| Ditch_0379-001 | U | RIVERINE | 3 | SQ_FT | ISOLATE | 34.79711977 | -118.1848153 |
| Ditch_0379-002 | U | RIVERINE | 87 | SQ_FT | ISOLATE | 34.79726851 | -118.1848276 |
| Ditch_0379-003 | U | RIVERINE | 9 | SQ_FT | ISOLATE | 34.79767594 | -118.1848579 |
| Ditch_0379-004 | U | RIVERINE | 131 | SQ_FT | ISOLATE | 34.79757409 | -118.1848512 |
| Ditch_0379-005 | U | RIVERINE | 0.01 | ACRE | ISOLATE | 34.79845801 | -118.184978 |
| Ditch_0380 | U | RIVERINE | 0.06 | ACRE | ISOLATE | 34.79756514 | -118.1845932 |
| Str_0381 | R6 | RIVERINE | 131 | SQ_FT | ISOLATE | 34.7987416 | -118.1845126 |
| Str_0382 | R6 | RIVERINE | 87 | SQ_FT | ISOLATE | 34.79688421 | -118.1843751 |
| CP_1303 | PUB | DEPRESS | 903 | SQ_FT | ISOLATE | 34.802967 | -118.200095 |
| CP_1304 | PUB | DEPRESS | 179 | SQ_FT | ISOLATE | 34.802792 | -118.200007 |
| CP_1305 | PUB | DEPRESS | 1283 | SQ_FT | ISOLATE | 34.80287 | -118.199886 |
| CP_1306 | PUB | DEPRESS | 26 | SQ_FT | ISOLATE | 34.802812 | -118.199805 |
| CP_1307 | PUB | DEPRESS | 79 | SQ_FT | ISOLATE | 34.801771 | -118.199803 |
| CP_130 8 | PUB | DEPRESS | 6 | SQ_FT | ISOLATE | 34.801708 | -118.199766 |
| CP_1309 | PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.801726 | -118.199764 |
| CP_1310 | PUB | DEPRESS | 104 | SQ_FT | ISOLATE | 34.801952 | -118.199755 |
| CP_1311 | PUB | DEPRESS | 4 | SQ_FT | ISOLATE | 34.801649 | -118.199528 |
| CP_1312 | PUB | DEPRESS | 76 | SQ_FT | ISOLATE | 34.801622 | -118.199444 |
| CP_1317-001 | PUB | DEPRESS | 90 | SQ_FT | ISOLATE | 34.801329 | -118.198922 |
| CP_1317-002 | PUB | DEPRESS | 66 | SQ_FT | ISOLATE | 34.801329 | -118.198922 |
| CP_1318 | PUB | DEPRESS | 46 | SQ_FT | ISOLATE | 34.801371 | -118.198515 |
| CP_1319 | PUB | DEPRESS | 15 | SQ_FT | ISOLATE | 34.801335 | -118.198451 |
| CP_1320 | PUB | DEPRESS | 113 | SQ_FT | ISOLATE | 34.801725 | -118.198381 |
| CP_1324 | PUB | DEPRESS | 17 | SQ_FT | ISOLATE | 34.801341 | -118.198192 |
| CP_1326 | PUB | DEPRESS | 44 | SQ_FT | ISOLATE | 34.801713 | -118.197786 |
| CP_1327 | PUB | DEPRESS | 157 | SQ_FT | ISOLATE | 34.801588 | -118.19776 |
| CP_1329 | PUB | DEPRESS | 69 | SQ_FT | ISOLATE | 34.801501 | -118.19763 |
| CP_1330 | PUB | DEPRESS | 47 | SQ_FT | ISOLATE | 34.801478 | -118.197552 |
| CP_1331 | PUB | DEPRESS | 91 | SQ_FT | ISOLATE | 34.80143 | -118.19751 |
| CP_1333 | PUB | DEPRESS | 109 | SQ_FT | ISOLATE | 34.802041 | -118.197179 |
| CP_1336 | PUB | DEPRESS | 1445 | SQ_FT | ISOLATE | 34.802262 | -118.196193 |
| CP_1340 | PUB | DEPRESS | 17 | SQ_FT | ISOLATE | 34.801436 | -118.195582 |
| CP_1343 | PUB | DEPRESS | 122 | SQ_FT | ISOLATE | 34.802861 | -118.194365 |
| CP_1344 | PUB | DEPRESS | 14 | SQ_FT | ISOLATE | 34.802218 | -118.194345 |
| CP_1347 | PUB | DEPRESS | 793 | SQ_FT | ISOLATE | 34.801908 | -118.19358 |
| CP_1348 | PUB | DEPRESS | 790 | SQ_FT | ISOLATE | 34.801317 | -118.193572 |
| CP_1349 | PUB | DEPRESS | 11 | SQ_FT | ISOLATE | 34.802733 | -118.192885 |
| CP_1350 | PUB | DEPRESS | 23 | SQ_FT | ISOLATE | 34.802701 | -118.192819 |
| CP_1351 | PUB | DEPRESS | 16 | SQ_FT | ISOLATE | 34.802394 | -118.192354 |
| CP_1352 | PUB | DEPRESS | 8 | SQ_FT | ISOLATE | 34.802397 | -118.192338 |
| CP_1353 | PUB | DEPRESS | 5 | SQ_FT | ISOLATE | 34.802386 | -118.192333 |
| CP_1354 | PUB | DEPRESS | 75 | SQ_FT | ISOLATE | 34.802276 | -118.192178 |
| CP_1355 | PUB | DEPRESS | 33 | SQ_FT | ISOLATE | 34.801973 | -118.191824 |
| CP_1356 | PUB | DEPRESS | 121 | SQ_FT | ISOLATE | 34.802078 | -118.191823 |
| CP_1357 | PUB | DEPRESS | 24 | SQ_FT | ISOLATE | 34.800755 | -118.199103 |
| CP_1358-001 | PUB | DEPRESS | 51 | SQ_FT | ISOLATE | 34.801262 | -118.198852 |
| CP_1358-002 | PUB | DEPRESS | 100 | SQ_FT | ISOLATE | 34.801262 | -118.198852 |
| CP_1359-001 | PUB | DEPRESS | 14 | SQ_FT | ISOLATE | 34.801201 | -118.198767 |
| CP_1359-002 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.801201 | -118.198767 |
| CP_1360 | PUB | DEPRESS | 58 | SQ_FT | ISOLATE | 34.801309 | -118.198372 |
| CP_1361-001 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.801076 | -118.198335 |
| CP_1361-002 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.801076 | -118.198335 |
| CP_1361-003 | PUB | DEPRESS | 0.3 | SQ_FT | ISOLATE | 34.801076 | -118.198335 |
| CP_1361-004 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.801076 | -118.198335 |

| | | | | | | | |
|-------------|-----|---------|------|-------|---------|-----------|-------------|
| CP_1361-005 | PUB | DEPRESS | 158 | SQ_FT | ISOLATE | 34.801076 | -118.198335 |
| CP_1361-006 | PUB | DEPRESS | 54 | SQ_FT | ISOLATE | 34.801076 | -118.198335 |
| CP_1361-007 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.801076 | -118.198335 |
| CP_1361-008 | PUB | DEPRESS | 16 | SQ_FT | ISOLATE | 34.801076 | -118.198335 |
| CP_1362-001 | PUB | DEPRESS | 33 | SQ_FT | ISOLATE | 34.800982 | -118.198091 |
| CP_1362-002 | PUB | DEPRESS | 225 | SQ_FT | ISOLATE | 34.800982 | -118.198091 |
| CP_1363 | PUB | DEPRESS | 41 | SQ_FT | ISOLATE | 34.80004 | -118.198061 |
| CP_1364-001 | PUB | DEPRESS | 39 | SQ_FT | ISOLATE | 34.800792 | -118.198028 |
| CP_1364-002 | PUB | DEPRESS | 54 | SQ_FT | ISOLATE | 34.800792 | -118.198028 |
| CP_1365 | PUB | DEPRESS | 29 | SQ_FT | ISOLATE | 34.800875 | -118.197901 |
| CP_1366 | PUB | DEPRESS | 9 | SQ_FT | ISOLATE | 34.80049 | -118.197451 |
| CP_1367 | PUB | DEPRESS | 53 | SQ_FT | ISOLATE | 34.798967 | -118.197422 |
| CP_1368-001 | PUB | DEPRESS | 86 | SQ_FT | ISOLATE | 34.800575 | -118.197392 |
| CP_1368-002 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.800575 | -118.197392 |
| CP_1369 | PUB | DEPRESS | 34 | SQ_FT | ISOLATE | 34.800976 | -118.197285 |
| CP_1370 | PUB | DEPRESS | 15 | SQ_FT | ISOLATE | 34.80089 | -118.197258 |
| CP_1371 | PUB | DEPRESS | 54 | SQ_FT | ISOLATE | 34.800672 | -118.197196 |
| CP_1372 | PUB | DEPRESS | 143 | SQ_FT | ISOLATE | 34.801191 | -118.197154 |
| CP_1373 | PUB | DEPRESS | 30 | SQ_FT | ISOLATE | 34.800942 | -118.197095 |
| CP_1374 | PUB | DEPRESS | 401 | SQ_FT | ISOLATE | 34.800991 | -118.196908 |
| CP_1375 | PUB | DEPRESS | 13 | SQ_FT | ISOLATE | 34.800718 | -118.196887 |
| CP_1376 | PUB | DEPRESS | 41 | SQ_FT | ISOLATE | 34.80085 | -118.196736 |
| CP_1377-001 | PUB | DEPRESS | 0.5 | SQ_FT | ISOLATE | 34.800251 | -118.196728 |
| CP_1377-002 | PUB | DEPRESS | 20 | SQ_FT | ISOLATE | 34.800251 | -118.196728 |
| CP_1377-003 | PUB | DEPRESS | 28 | SQ_FT | ISOLATE | 34.800251 | -118.196728 |
| CP_1377-004 | PUB | DEPRESS | 21 | SQ_FT | ISOLATE | 34.800251 | -118.196728 |
| CP_1378 | PUB | DEPRESS | 122 | SQ_FT | ISOLATE | 34.800371 | -118.196714 |
| CP_1379 | PUB | DEPRESS | 49 | SQ_FT | ISOLATE | 34.800503 | -118.19671 |
| CP_1380 | PUB | DEPRESS | 26 | SQ_FT | ISOLATE | 34.800448 | -118.19669 |
| CP_1381 | PUB | DEPRESS | 28 | SQ_FT | ISOLATE | 34.800469 | -118.196678 |
| CP_1382 | PUB | DEPRESS | 29 | SQ_FT | ISOLATE | 34.797324 | -118.196654 |
| CP_1383 | PUB | DEPRESS | 11 | SQ_FT | ISOLATE | 34.797295 | -118.196649 |
| CP_1384 | PUB | DEPRESS | 16 | SQ_FT | ISOLATE | 34.797254 | -118.196623 |
| CP_1385 | PUB | DEPRESS | 23 | SQ_FT | ISOLATE | 34.796879 | -118.196403 |
| CP_1386 | PUB | DEPRESS | 52 | SQ_FT | ISOLATE | 34.800294 | -118.196364 |
| CP_1387 | PUB | DEPRESS | 25 | SQ_FT | ISOLATE | 34.797076 | -118.196159 |
| CP_1388 | PUB | DEPRESS | 24 | SQ_FT | ISOLATE | 34.797051 | -118.196148 |
| CP_1389 | PUB | DEPRESS | 1018 | SQ_FT | ISOLATE | 34.796387 | -118.195916 |
| CP_1390 | PUB | DEPRESS | 35 | SQ_FT | ISOLATE | 34.798368 | -118.19587 |
| CP_1391 | PUB | DEPRESS | 60 | SQ_FT | ISOLATE | 34.798329 | -118.195864 |
| CP_1392 | PUB | DEPRESS | 24 | SQ_FT | ISOLATE | 34.798392 | -118.195852 |
| CP_1393 | PUB | DEPRESS | 21 | SQ_FT | ISOLATE | 34.797117 | -118.195855 |
| CP_1394 | PUB | DEPRESS | 37 | SQ_FT | ISOLATE | 34.800312 | -118.195687 |
| CP_1395 | PUB | DEPRESS | 9 | SQ_FT | ISOLATE | 34.800324 | -118.195602 |
| CP_1396 | PUB | DEPRESS | 20 | SQ_FT | ISOLATE | 34.796682 | -118.195492 |
| CP_1397 | PUB | DEPRESS | 53 | SQ_FT | ISOLATE | 34.801129 | -118.195476 |
| CP_1398 | PUB | DEPRESS | 15 | SQ_FT | ISOLATE | 34.801087 | -118.195442 |
| CP_1399 | PUB | DEPRESS | 66 | SQ_FT | ISOLATE | 34.7987 | -118.195335 |
| CP_1401 | PUB | DEPRESS | 26 | SQ_FT | ISOLATE | 34.797272 | -118.194703 |
| CP_1402 | PUB | DEPRESS | 46 | SQ_FT | ISOLATE | 34.797216 | -118.194689 |
| CP_1403 | PUB | DEPRESS | 21 | SQ_FT | ISOLATE | 34.798595 | -118.194571 |
| CP_1404 | PUB | DEPRESS | 270 | SQ_FT | ISOLATE | 34.797936 | -118.194525 |
| CP_1405 | PUB | DEPRESS | 12 | SQ_FT | ISOLATE | 34.798589 | -118.194482 |
| CP_1406 | PUB | DEPRESS | 12 | SQ_FT | ISOLATE | 34.798571 | -118.194427 |
| CP_1407 | PUB | DEPRESS | 42 | SQ_FT | ISOLATE | 34.797028 | -118.194311 |
| CP_1408-001 | PUB | DEPRESS | 20 | SQ_FT | ISOLATE | 34.796988 | -118.194218 |
| CP_1408-002 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.796988 | -118.194218 |
| CP_1408-003 | PUB | DEPRESS | 26 | SQ_FT | ISOLATE | 34.796988 | -118.194218 |
| CP_1409 | PUB | DEPRESS | 100 | SQ_FT | ISOLATE | 34.798005 | -118.194147 |
| CP_1410-001 | PUB | DEPRESS | 38 | SQ_FT | ISOLATE | 34.796951 | -118.194126 |
| CP_1410-002 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.796951 | -118.194126 |
| CP_1411 | PUB | DEPRESS | 58 | SQ_FT | ISOLATE | 34.796873 | -118.194085 |
| CP_1412 | PUB | DEPRESS | 44 | SQ_FT | ISOLATE | 34.798408 | -118.19407 |
| CP_1413-001 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.796926 | -118.194034 |
| CP_1413-002 | PUB | DEPRESS | 29 | SQ_FT | ISOLATE | 34.796926 | -118.194034 |
| CP_1413-003 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.796926 | -118.194034 |

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|-------------|-----|---------|-------|-------|---------|-------------|-------------|
| CP_1413-004 | PUB | DEPRESS | 16 | SQ_FT | ISOLATE | 34.796926 | -118.194034 |
| CP_1413-005 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.796926 | -118.194034 |
| CP_1414 | PUB | DEPRESS | 27 | SQ_FT | ISOLATE | 34.796679 | -118.193836 |
| CP_1415 | PUB | DEPRESS | 24 | SQ_FT | ISOLATE | 34.796691 | -118.1938 |
| CP_1416 | PUB | DEPRESS | 4 | SQ_FT | ISOLATE | 34.800228 | -118.193767 |
| CP_1417 | PUB | DEPRESS | 19 | SQ_FT | ISOLATE | 34.796659 | -118.193686 |
| CP_1418 | PUB | DEPRESS | 87 | SQ_FT | ISOLATE | 34.798319 | -118.193668 |
| CP_1419 | PUB | DEPRESS | 42 | SQ_FT | ISOLATE | 34.800676 | -118.193568 |
| CP_1420 | PUB | DEPRESS | 20 | SQ_FT | ISOLATE | 34.800707 | -118.193559 |
| CP_1421 | PUB | DEPRESS | 39 | SQ_FT | ISOLATE | 34.800681 | -118.19355 |
| CP_142 2 | PUB | DEPRESS | 90 | SQ_FT | ISOLATE | 34.798328 | -118.193549 |
| CP_1423 | PUB | DEPRESS | 95 | SQ_FT | ISOLATE | 34.797913 | -118.193382 |
| CP_1424 | PUB | DEPRESS | 28 | SQ_FT | ISOLATE | 34.797975 | -118.193106 |
| CP_1425 | PUB | DEPRESS | 337 | SQ_FT | ISOLATE | 34.79785 | -118.193001 |
| CP_1427 | PUB | DEPRESS | 58 | SQ_FT | ISOLATE | 34.798498 | -118.192782 |
| CP_1428 | PUB | DEPRESS | 1427 | SQ_FT | ISOLATE | 34.799278 | -118.192529 |
| CP_1429 | PUB | DEPRESS | 615 | SQ_FT | ISOLATE | 34.79999953 | -118.192276 |
| CP_1430 | PUB | DEPRESS | 46 | SQ_FT | ISOLATE | 34.798364 | -118.192098 |
| CP_1431 | PUB | DEPRESS | 18 | SQ_FT | ISOLATE | 34.800646 | -118.191882 |
| CP_1432 | PUB | DEPRESS | 40 | SQ_FT | ISOLATE | 34.797988 | -118.191875 |
| CP_1433 | PUB | DEPRESS | 119 | SQ_FT | ISOLATE | 34.800623 | -118.191796 |
| CP_1434 | PUB | DEPRESS | 2113 | SQ_FT | ISOLATE | 34.800786 | -118.191712 |
| CP_1435 | PUB | DEPRESS | 288 | SQ_FT | ISOLATE | 34.799892 | -118.191693 |
| CP_1436 | PUB | DEPRESS | 10 | SQ_FT | ISOLATE | 34.800627 | -118.191691 |
| CP_1437 | PUB | DEPRESS | 12225 | SQ_FT | ISOLATE | 34.799726 | -118.19162 |
| CP_1438 | PUB | DEPRESS | 14 | SQ_FT | ISOLATE | 34.797335 | -118.191466 |
| CP_1439 | PUB | DEPRESS | 100 | SQ_FT | ISOLATE | 34.799467 | -118.191421 |
| CP_1440 | PUB | DEPRESS | 47 | SQ_FT | ISOLATE | 34.799557 | -118.191412 |
| CP_1441 | PUB | DEPRESS | 15 | SQ_FT | ISOLATE | 34.799585 | -118.191403 |
| CP_1442 | PUB | DEPRESS | 6 | SQ_FT | ISOLATE | 34.799604 | -118.191378 |
| CP_1443 | PUB | DEPRESS | 20 | SQ_FT | ISOLATE | 34.798686 | -118.191106 |
| CP_1444 | PUB | DEPRESS | 23 | SQ_FT | ISOLATE | 34.798876 | -118.19083 |
| CP_1445 | PUB | DEPRESS | 131 | SQ_FT | ISOLATE | 34.798935 | -118.190767 |
| CP_1446 | PUB | DEPRESS | 69 | SQ_FT | ISOLATE | 34.797634 | -118.190715 |
| CP_1447 | PUB | DEPRESS | 142 | SQ_FT | ISOLATE | 34.797557 | -118.190634 |
| CP_1448 | PUB | DEPRESS | 9 | SQ_FT | ISOLATE | 34.799107 | -118.190546 |
| CP_1449 | PUB | DEPRESS | 39 | SQ_FT | ISOLATE | 34.796928 | -118.190495 |
| CP_1450 | PUB | DEPRESS | 42 | SQ_FT | ISOLATE | 34.797965 | -118.19029 |
| CP_1451 | PUB | DEPRESS | 632 | SQ_FT | ISOLATE | 34.797452 | -118.190286 |
| CP_1452 | PUB | DEPRESS | 12 | SQ_FT | ISOLATE | 34.798033 | -118.190219 |
| CP_1453 | PUB | DEPRESS | 119 | SQ_FT | ISOLATE | 34.797908 | -118.190174 |
| CP_1454 | PUB | DEPRESS | 316 | SQ_FT | ISOLATE | 34.797583 | -118.19012 |
| CP_1455 | PUB | DEPRESS | 22 | SQ_FT | ISOLATE | 34.797496 | -118.190027 |
| CP_1456 | PUB | DEPRESS | 65 | SQ_FT | ISOLATE | 34.797813 | -118.189967 |
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| CP_1462 | PUB | DEPRESS | 26 | SQ_FT | ISOLATE | 34.798621 | -118.189277 |
| CP_1463 | PUB | DEPRESS | 424 | SQ_FT | ISOLATE | 34.797165 | -118.189198 |
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| CP_1464-002 | PUB | DEPRESS | 17 | SQ_FT | ISOLATE | 34.796584 | -118.189186 |
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| CP_1467 | PUB | DEPRESS | 42 | SQ_FT | ISOLATE | 34.797492 | -118.188908 |
| CP_1468 | PUB | DEPRESS | 90 | SQ_FT | ISOLATE | 34.797461 | -118.188769 |
| CP_1469 | PUB | DEPRESS | 41 | SQ_FT | ISOLATE | 34.798004 | -118.188749 |
| CP_1470 | PUB | DEPRESS | 26 | SQ_FT | ISOLATE | 34.798026 | -118.188747 |
| CP_1471 | PUB | DEPRESS | 21 | SQ_FT | ISOLATE | 34.797516 | -118.188601 |
| CP_1472 | PUB | DEPRESS | 16 | SQ_FT | ISOLATE | 34.797949 | -118.188578 |
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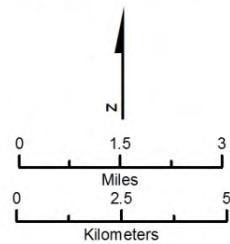
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| CP_1477 | PUB | DEPRESS | 87 | SQ_FT | ISOLATE | 34.797281 | -118.188355 |
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| CP_1484 | PUB | DEPRESS | 327 | SQ_FT | ISOLATE | 34.797084 | -118.187837 |
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| CP_1491 | PUB | DEPRESS | 468 | SQ_FT | ISOLATE | 34.796188 | -118.187175 |
| CP_1492 | PUB | DEPRESS | 29 | SQ_FT | ISOLATE | 34.798339 | -118.187153 |
| CP_1493 | PUB | DEPRESS | 176 | SQ_FT | ISOLATE | 34.798498 | -118.187151 |
| CP_1494 | PUB | DEPRESS | 45 | SQ_FT | ISOLATE | 34.797398 | -118.1871 |
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| CP_1495-003 | PUB | DEPRESS | 44 | SQ_FT | ISOLATE | 34.797001 | -118.187087 |
| CP_1495-004 | PUB | DEPRESS | 22 | SQ_FT | ISOLATE | 34.797001 | -118.187087 |
| CP_1496 | PUB | DEPRESS | 61 | SQ_FT | ISOLATE | 34.798494 | -118.187061 |
| CP_1497 | PUB | DEPRESS | 85 | SQ_FT | ISOLATE | 34.795932 | -118.187017 |
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| CP_1499-004 | PUB | DEPRESS | 34 | SQ_FT | ISOLATE | 34.797033 | -118.186958 |
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| CP_1504 | PUB | DEPRESS | 848 | SQ_FT | ISOLATE | 34.794846 | -118.18675 |
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| CP_1506 | PUB | DEPRESS | 14 | SQ_FT | ISOLATE | 34.79772 | -118.186684 |
| CP_1507 | PUB | DEPRESS | 9 | SQ_FT | ISOLATE | 34.797045 | -118.186664 |
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| CP_1509 | PUB | DEPRESS | 23 | SQ_FT | ISOLATE | 34.797917 | -118.186634 |
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| CP_1510-003 | PUB | DEPRESS | 15 | SQ_FT | ISOLATE | 34.797035 | -118.186591 |
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| CP_1515 | PUB | DEPRESS | 23 | SQ_FT | ISOLATE | 34.799291 | -118.185847 |
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| CP_1516-002 | PUB | DEPRESS | 3 | SQ_FT | ISOLATE | 34.796984 | -118.185315 |
| CP_1516-003 | PUB | DEPRESS | 12 | SQ_FT | ISOLATE | 34.796984 | -118.185315 |
| CP_1517 | PUB | DEPRESS | 958 | SQ_FT | ISOLATE | 34.799268 | -118.185302 |
| CP_1518 | PUB | DEPRESS | 18 | SQ_FT | ISOLATE | 34.796973 | -118.185212 |
| CP_1519 | PUB | DEPRESS | 359 | SQ_FT | ISOLATE | 34.798882 | -118.185178 |
| CP_1520-001 | PUB | DEPRESS | 45 | SQ_FT | ISOLATE | 34.798686 | -118.185126 |
| CP_1520-002 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.798686 | -118.185126 |
| CP_1521-001 | PUB | DEPRESS | 0.3 | SQ_FT | ISOLATE | 34.796962 | -118.185086 |
| CP_1521-002 | PUB | DEPRESS | 81 | SQ_FT | ISOLATE | 34.796962 | -118.185086 |
| CP_1522 | PUB | DEPRESS | 956 | SQ_FT | ISOLATE | 34.798017 | -118.1849 |

| | | | | | | | |
|-------------|-----|---------|------|-------|---------|-----------|-------------|
| CP_1523 | PUB | DEPRESS | 58 | SQ_FT | ISOLATE | 34.797635 | -118.184876 |
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| CP_1528 | PUB | DEPRESS | 47 | SQ_FT | ISOLATE | 34.796732 | -118.1845 |
| CP_3339-053 | PUB | DEPRESS | 9 | SQ_FT | ISOLATE | 34.797347 | -118.196711 |
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| CP_3341-002 | PUB | DEPRESS | 0.4 | SQ_FT | ISOLATE | 34.797209 | -118.196246 |
| CP_3341-003 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.797209 | -118.196246 |
| CP_3342-047 | PUB | DEPRESS | 15 | SQ_FT | ISOLATE | 34.796792 | -118.194015 |
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| CP_3343-002 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.796772 | -118.193844 |
| CP_3345-001 | PUB | DEPRESS | 0.2 | SQ_FT | ISOLATE | 34.796573 | -118.189389 |
| CP_3345-002 | PUB | DEPRESS | 0.1 | SQ_FT | ISOLATE | 34.796573 | -118.189389 |
| CP_3345-003 | PUB | DEPRESS | 1 | SQ_FT | ISOLATE | 34.796573 | -118.189389 |
| CP_3345-004 | PUB | DEPRESS | 2 | SQ_FT | ISOLATE | 34.796573 | -118.189389 |
| CP_3345-005 | PUB | DEPRESS | 17 | SQ_FT | ISOLATE | 34.796573 | -118.189389 |
| CP_3346-001 | PUB | DEPRESS | 3 | SQ_FT | ISOLATE | 34.797082 | -118.185686 |
| CP_3346-002 | PUB | DEPRESS | 0.3 | SQ_FT | ISOLATE | 34.797082 | -118.185686 |



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 14, 2016



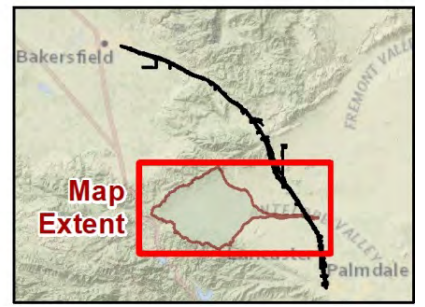
BP HSR Mapped Streams with OHWM in Sacatara Creek - Kings Canyon Watershed Study Area

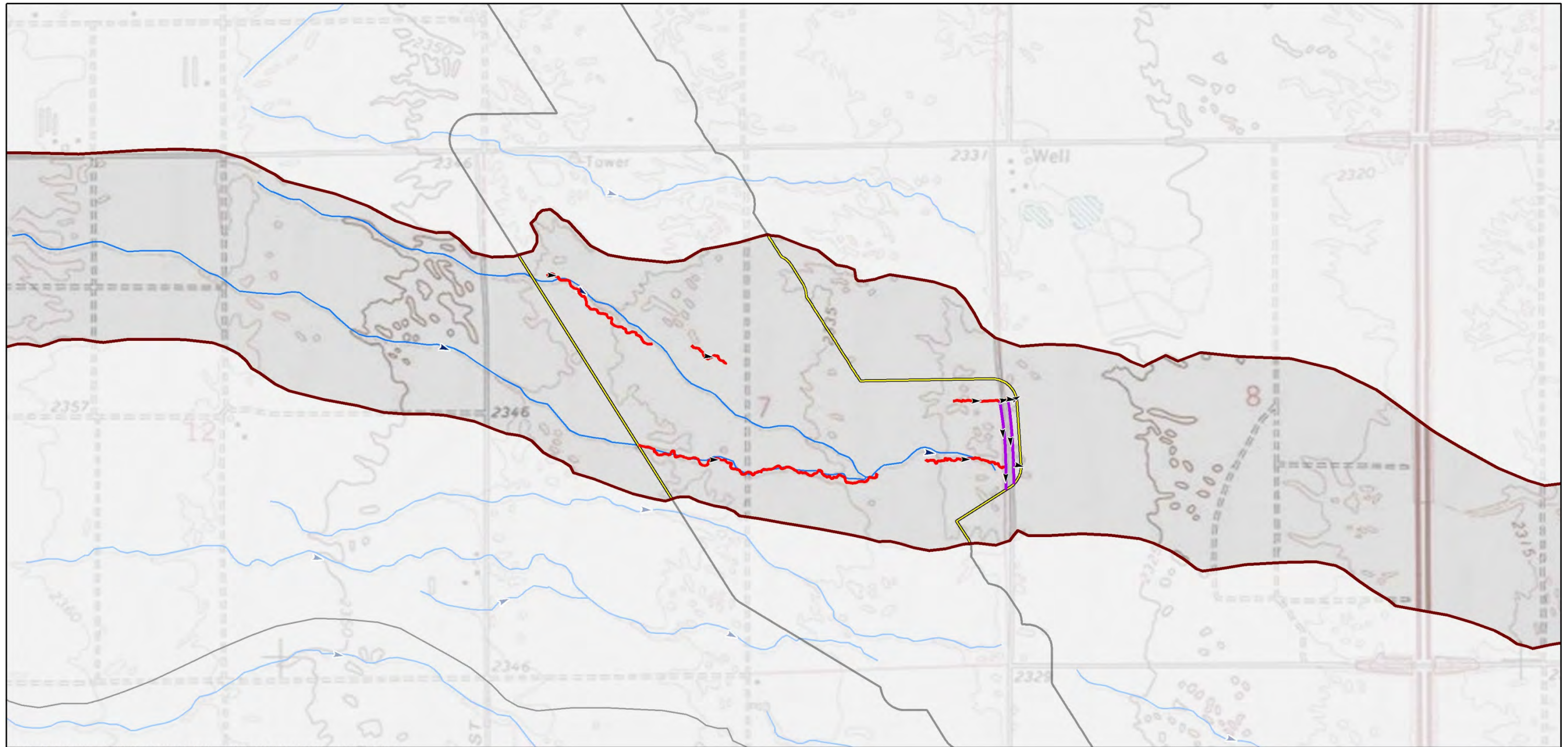
- Culvert
- Ephemeral Stream
- Ditch

- Study Area in the Sacatara Creek - Kings Canyon Watershed
- Sacatara Creek - Kings Canyon Watershed HUC-10
- Other HUC-10 Watersheds

- Wetlands Study Area (Project Footprint + 250 ft Buffer)
- Direction of flow based on NHD flowlines

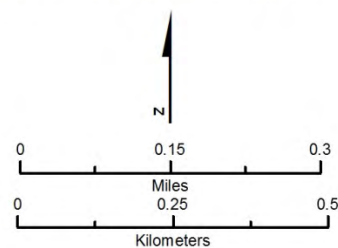
Sacatara Creek - Kings Canyon Watershed Hydrologic Connectivity



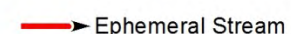



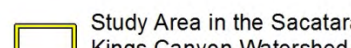
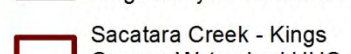
PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

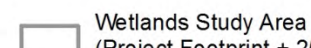
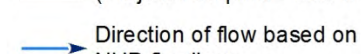
November 14, 2016



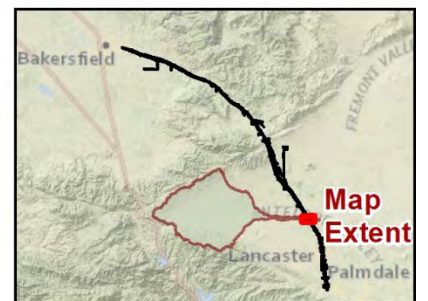
BP HSR Mapped Streams with OHWM in Sacatara Creek - Kings Canyon Watershed Study Area

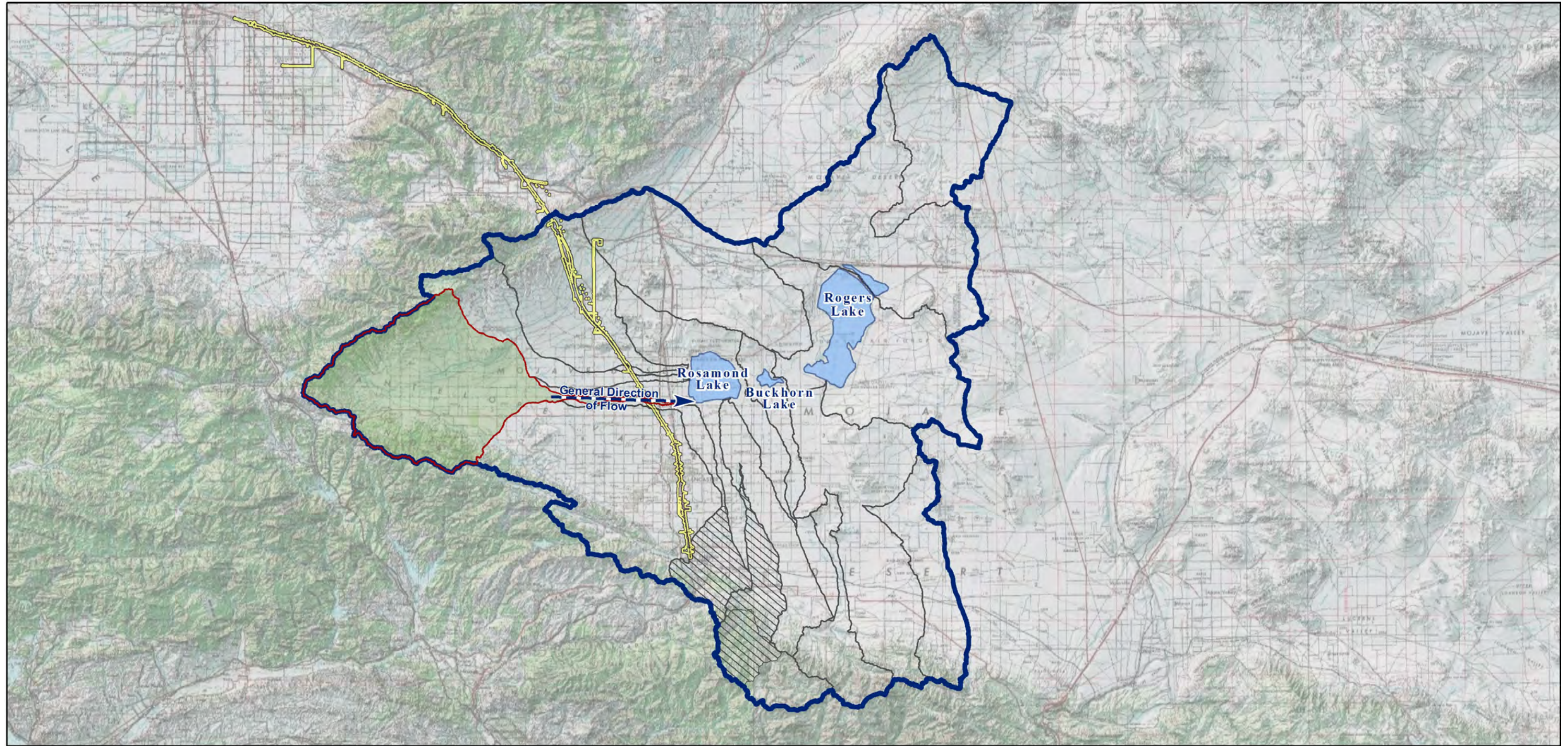
-  Culvert
-  Ephemeral Stream
-  Ditch

-  Study Area in the Sacatara Creek - Kings Canyon Watershed
-  Sacatara Creek - Kings Canyon Watershed HUC-10

-  Wetlands Study Area (Project Footprint + 250 ft Buffer)
-  Direction of flow based on NHD flowlines

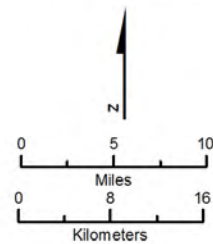
Sacatara Creek - Kings Canyon Watershed Study Area Hydrologic Connectivity





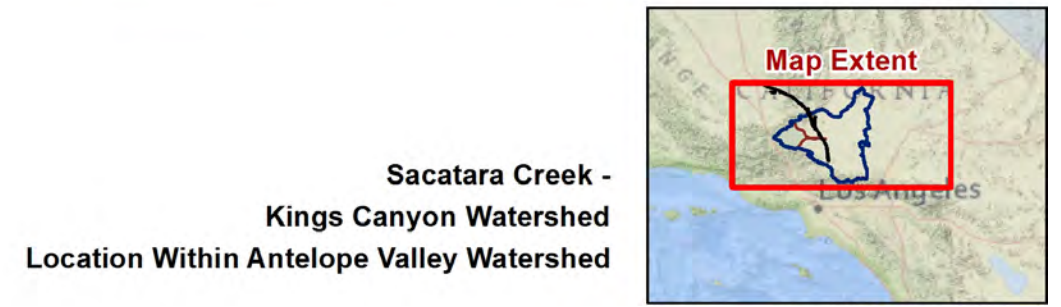
PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
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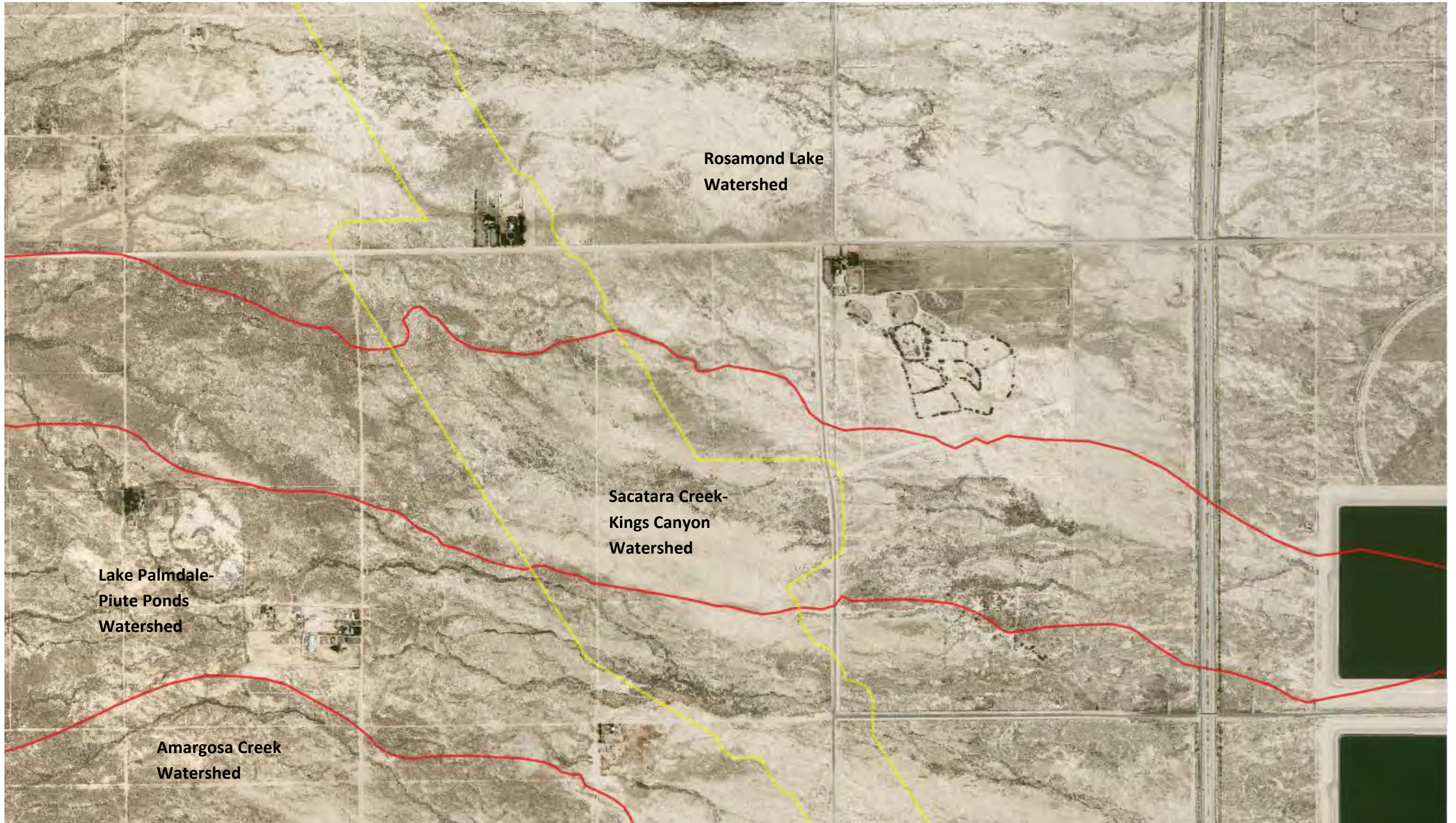
November 17, 2016



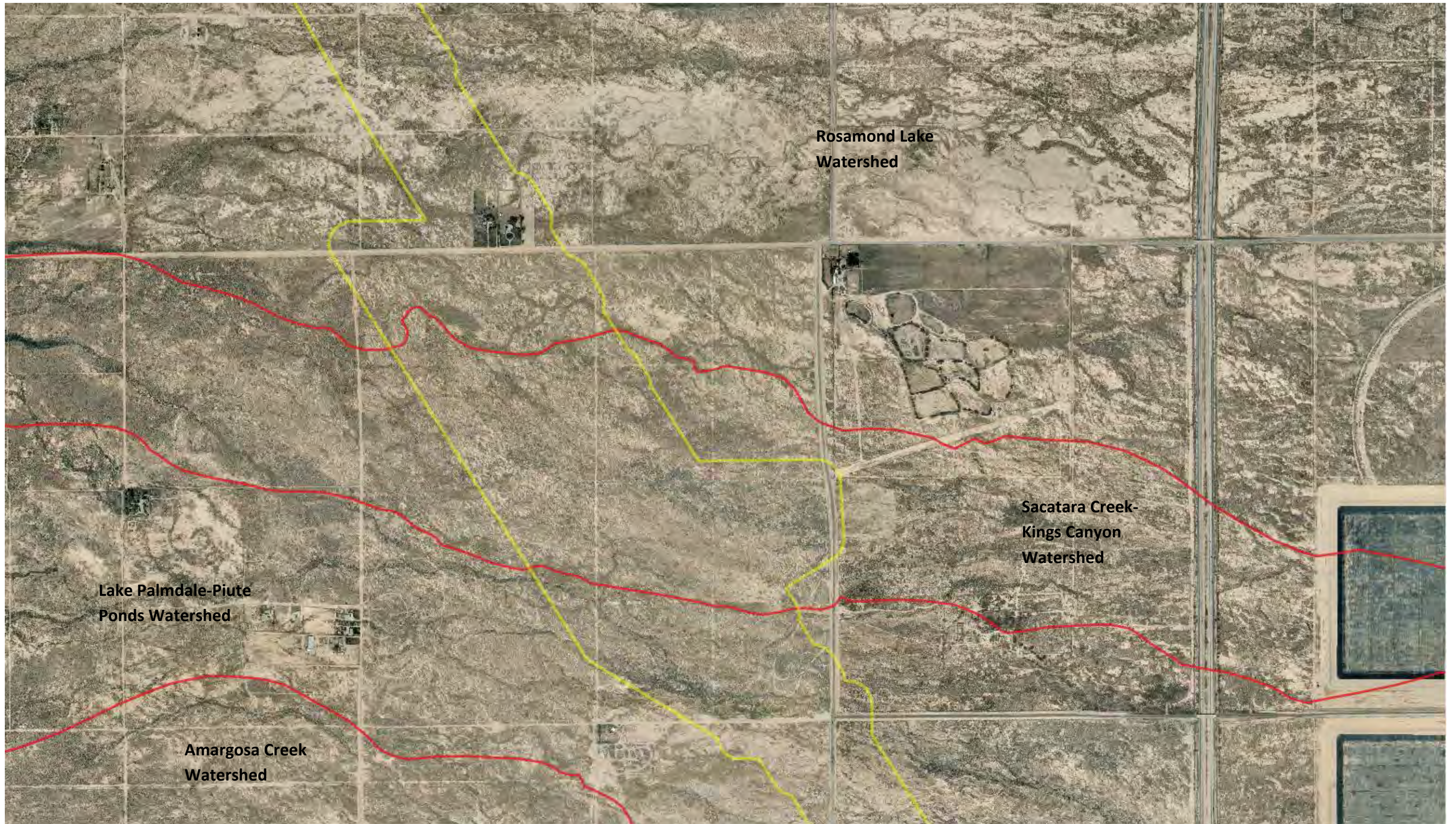
- Sacatara Creek - Kings Canyon Watershed HUC-10
- Antelope Valley Watershed (as described in SPL-2011-01084-SLP)
- Wetlands Study Area (Project Footprint + 250 ft Buffer)
- HUC-12 Watersheds excluded from SPL-2011-01084-SLP

The U.S. Army Corps of Engineers issued a SWANCC watershed-level Approved Jurisdictional Determination for Antelope Valley (HUC 10 #s 1809020609 through 1809020624) on June 7, 2013. Note that this determination specifically excluded the areas of Lake Palmdale and all waters tributary to Lake Palmdale (portions of HUC 12 #s 180902061501, 180902061102, 180902061103). This figure illustrates the location of the study area relative to the previous watershed-level decision.

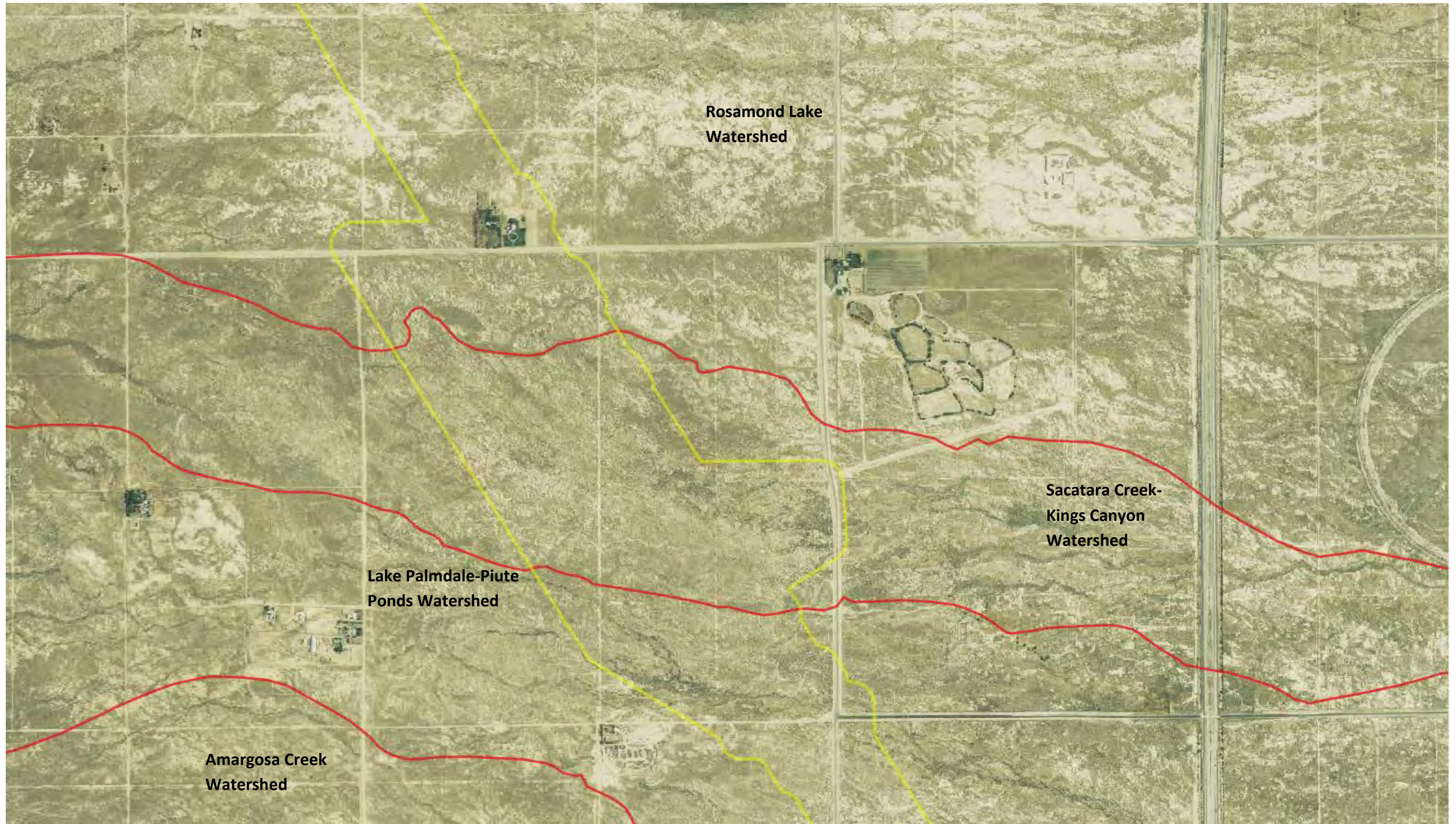




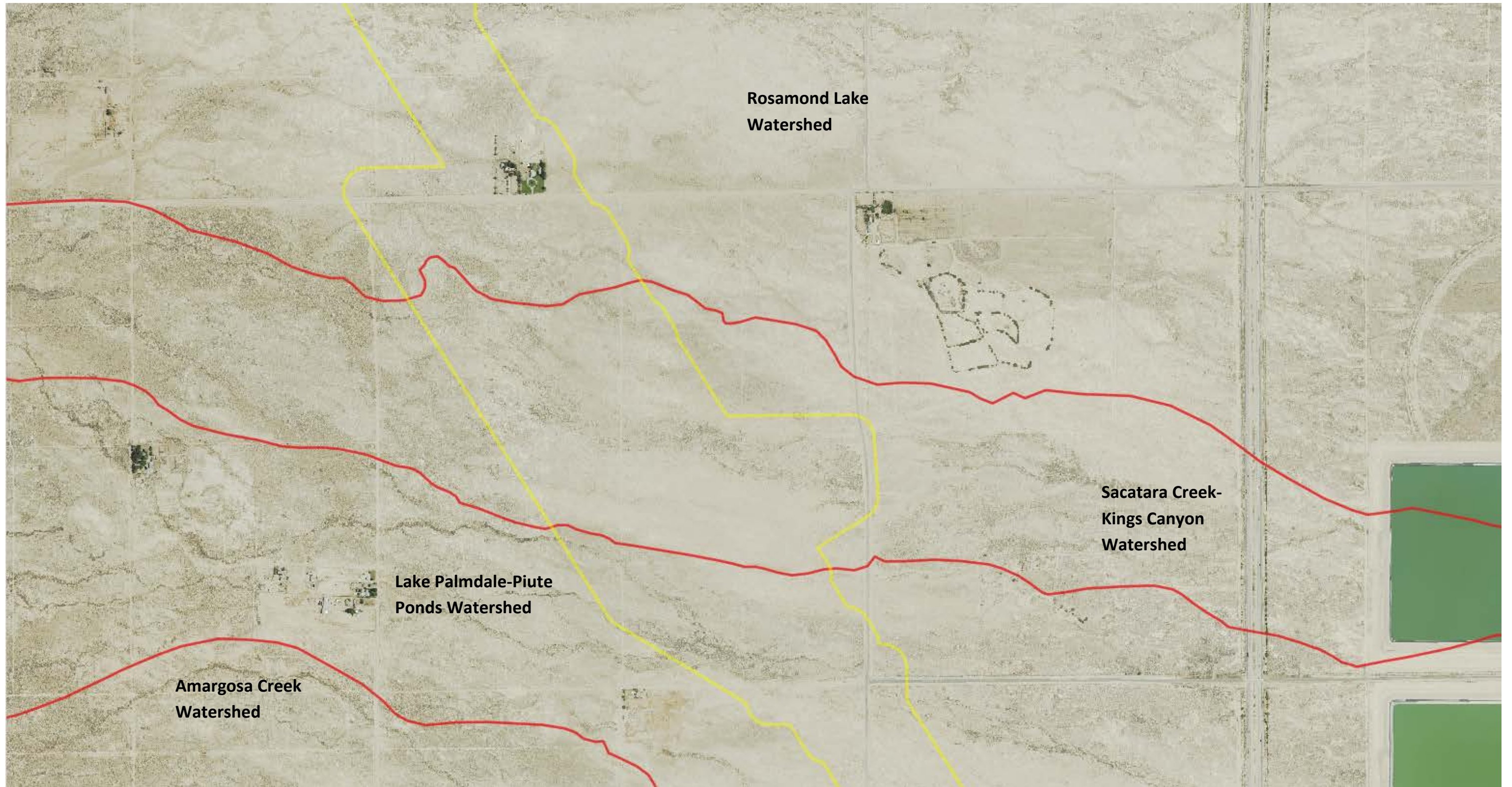
Kern County 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



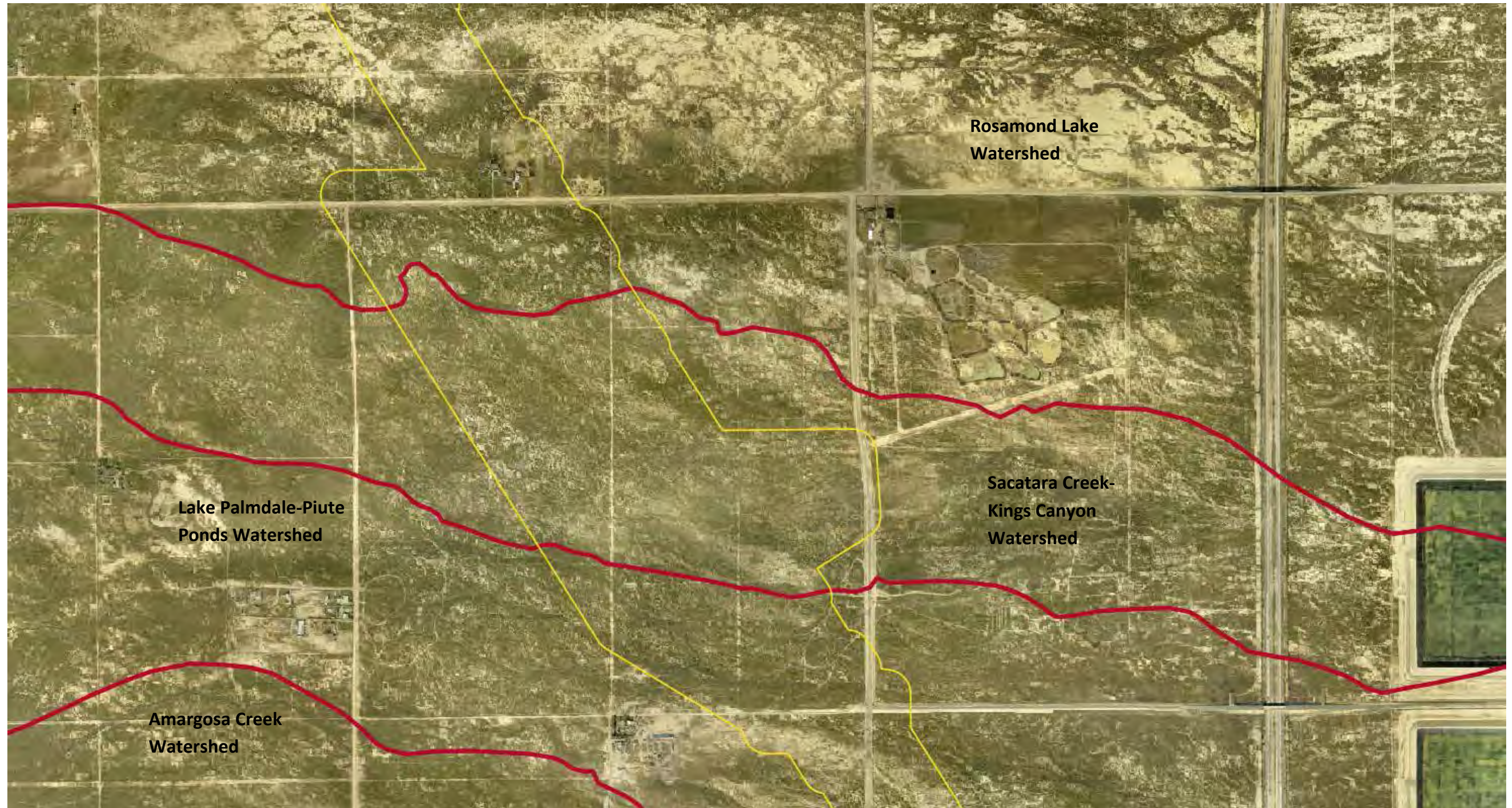
Kern County 2010 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



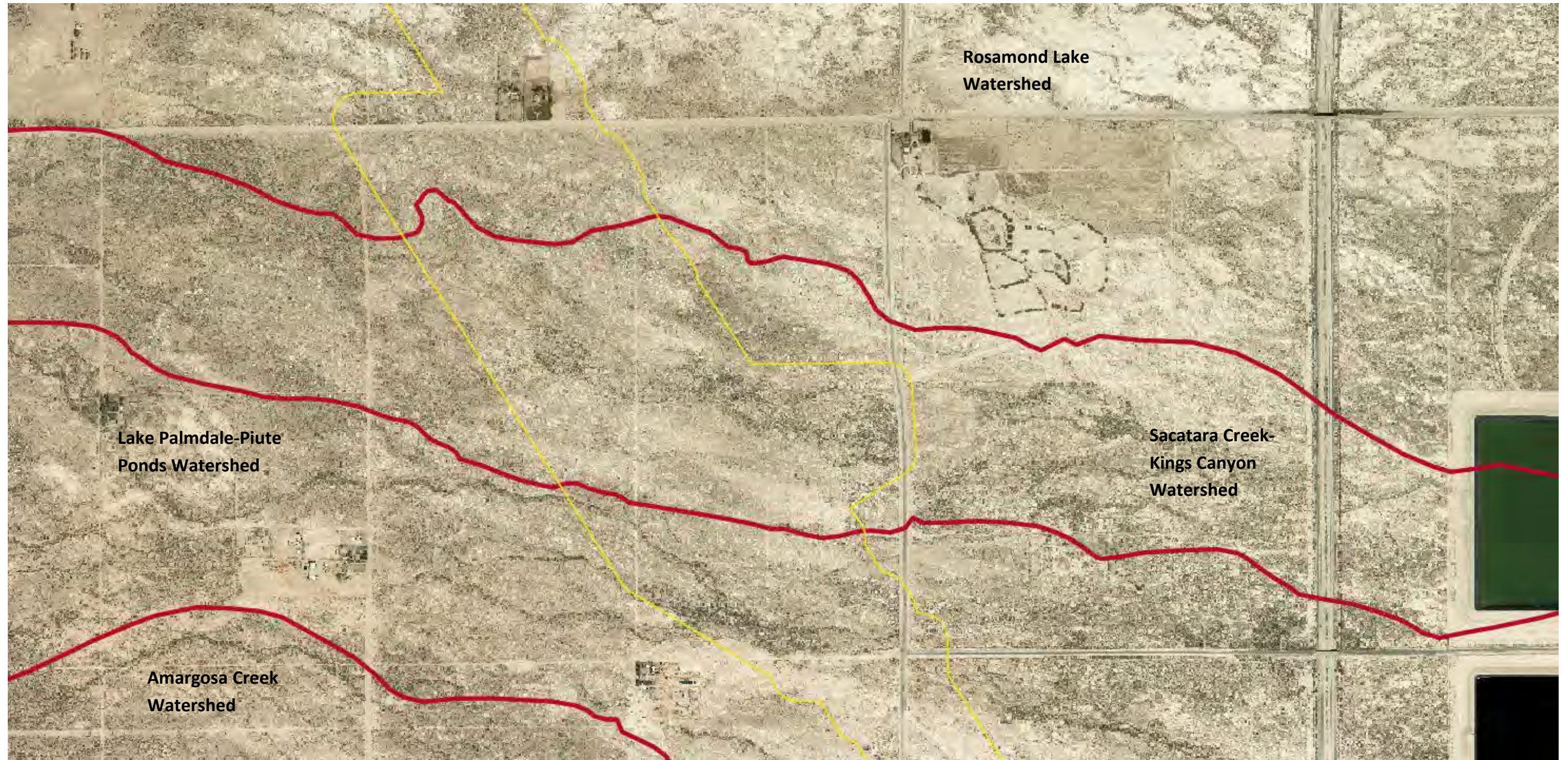
NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Los Angeles County 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.

Aerial Sources: <http://maps.co.kern.ca.us/arcgis/services/> and <http://gis.apfo.usda.gov/arcgis/services/NAIP/>

Retrieved November 14, 2016.

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): August 25, 2017

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: SPL-2010-00945-VCL-JD-7

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: CA County/parish/borough: Los Angeles County City: N/A
Center coordinates of site (lat/long in degree decimal format): Lat. 34.79088° N, Long. 118.18622° W.
Universal Transverse Mercator: 391478 m E, 38504 m N

Name of nearest waterbody: Piute Ponds

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: N/A

Name of watershed or Hydrologic Unit Code (HUC): Piute Ponds, California, HUC-12 #180902061502

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date: July 25, 2017

Field Determination. Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area (check all that apply):¹

- TNWs, including territorial seas
- Wetlands adjacent to TNWs
- Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs
- Non-RPWs that flow directly or indirectly into TNWs
- Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- Impoundments of jurisdictional waters
- Isolated (interstate or intrastate) waters, including isolated wetlands

b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: linear feet: width (ft) and/or acres.

Wetlands: acres.

c. Limits (boundaries) of jurisdiction based on: **Not Applicable.**

Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

Within the project area of the Piute Ponds HUC 10, there are a total of 173 aquatic features. These features include 14 unnamed ephemeral desert wash stream features, 19 segments of ephemeral ditches, and 140 claypan features. Ephemeral desert wash streams span a total of approximately 9,953 linear feet (1.89 miles) and cover approximately 0.65 acre; ephemeral ditches span a total of approximately 3,900 linear feet (0.74 mile), and cover approximately 0.27 acre; and claypan features cover approximately

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

0.97 acres. Labeled maps and tables of features and dimensions are provided in the Aquatic Resources Delineation Report, which identifies each feature according to which HUC-12 watershed it occurs within.

The unnamed ephemeral desert washes, features Str_0375, Str_0383 through Str_0386, Str_0388 through Str_0390, and Str_0396 through Str_0398 generally flow east within the study area. Where these aquatic features approach existing roads, the water flows into ditches. Ephemeral ditches, features Ditch_0387 (multiple segments) and Ditch_0391 through Ditch_0395 (multiple segments), move water along 30th Street West and along West Avenue C, generally following along road shoulders until reaching culverts where the water flows under the road, or low points where the water flows across the road, rejoining natural features or sheet flow that convey the water further east toward Rosamond Dry Lake. Note that some wash and ditch features have multiple segments and are labeled as such in attached tables (e.g. Ditch_0387-001, Ditch_0387-002, etc.). Most of the ephemeral desert wash and ditch features dissipate and do not have defined channels that can be traced all the way down to the terminal point in the watershed. These features are similar to many other streams in the Antelope Valley Watershed that have well-defined channels where they originate in the mountains and foothills, but dissipate on the valley floor, where water movement during storms is primarily sheet flow.

Ephemeral and intermittent claypan features, CP_1400, CP_1426, CP_1529 through CP_1630, CP_1632, CP_1633, CP_1636, CP_1638 through CP_1662, and CP_1664, are scattered throughout the study area due to the relatively flat topography. These low-lying depressional features are ephemeral or intermittent and typically hold water for a few weeks annually.

All aquatic features within the study area are ephemeral or intermittent and are not used for commerce. The hydrologic connection to the low point in the Antelope Valley watershed, Rogers, Rosamond, and Buckhorn Dry Lakes, is primarily through sheet flow during storms. A review of topographic maps and watershed boundary datasets indicates that waters from the study area drain toward Rosamond Dry Lake.

There are no Traditional Navigable Waters (TNWs) or Relatively Permanent Waters (RPWs) in the study area, and the ephemeral desert streams in the study area are not tributaries to RPWs or TNWs. A previous SWANCC watershed-level Approved JD for Antelope Valley (HUC10 #s 1809020609 through 1809020624, excluding those portions of HUC12s 18090206151, 1901902061102, and 180902061103 that drain toward Lake Palmdale and its tributaries) determined that Rosamond, Buckhorn, and Rogers Dry Lakes, and their tributaries, (i.e. the Antelope Valley Watershed, excluding Lake Palmdale and tributaries to Lake Palmdale) are non-jurisdictional waters of the United States under SWANCC. This determination, SPL-2011-01084-SLP, dated June 7, 2013, found that these Antelope Valley waters are not tributary to either a TNW or an (a)(3) water and Rosamond, Buckhorn, and Rogers Dry Lakes are not (a)(3) waters themselves. The Corps made this watershed conclusion because the Antelope Valley watershed is an isolated, intrastate watershed without any surface water related interstate commerce. This previous determination is still in effect, and is appended as a supporting document for this determination.

The above is based upon the review of aerial photographs (Google Earth, accessed July 25, 2017) that also did not show surface water usage of the project drainages or the Rosamond Dry Lake terminus. Since the Rosamond Dry Lake is an intrastate, isolated water without a surface water connection to commerce (see prior AJD file No. SPL-2011-01084-SLP), the subject 14 unnamed ephemeral desert wash stream features, 19 segments of ephemeral ditches, and 140 claypan features, as part of the same overall system, are also isolated and additionally have no nexus to commerce.

Based on the information above, the subject drainages 33 unnamed ephemeral desert stream features (14 unnamed ephemeral desert wash stream features, 19 segments of ephemeral ditches, and 140 claypan features), are NONJURISDICTIONAL waters of the United States, since the waters are NOT tributary to either a TNW or an (a)(3) water and are NOT (a)(3) waters themselves. The Corps makes such a conclusion since the waters are tributary to an isolated, intrastate dry lake.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: .

Summarize rationale supporting determination: .

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is “adjacent”:

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are “relatively permanent waters” (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: **Pick List**

Drainage area: **Pick List**

Average annual rainfall: inches

Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

Tributary flows directly into TNW.

Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.

Project waters are **Pick List** river miles from RPW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Project waters are **Pick List** aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain: .

Identify flow route to TNW⁵:

Tributary stream order, if known: .

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b) General Tributary Characteristics (check all that apply):

Tributary is: Natural
 Artificial (man-made). Explain:
 Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

Average width: feet
Average depth: feet
Average side slopes: **Pick List**.

Primary tributary substrate composition (check all that apply):

Silts Sands Concrete
 Cobbles Gravel Muck
 Bedrock Vegetation. Type/% cover:
 Other. Explain:

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:

Presence of run/riffle/pool complexes. Explain:

Tributary geometry: **Pick List**

Tributary gradient (approximate average slope): %

(c) Flow:

Tributary provides for: **Pick List**

Estimate average number of flow events in review area/year: **Pick List**

Describe flow regime:

Other information on duration and volume:

Surface flow is: **Pick List**. Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

Tributary has (check all that apply):

Bed and banks
 OHWM⁶ (check all indicators that apply):
 clear, natural line impressed on the bank the presence of litter and debris
 changes in the character of soil destruction of terrestrial vegetation
 shelving the presence of wrack line
 vegetation matted down, bent, or absent sediment sorting
 leaf litter disturbed or washed away scour
 sediment deposition multiple observed or predicted flow events
 water staining abrupt change in plant community
 other (list):
 Discontinuous OHWM.⁷ Explain:

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

High Tide Line indicated by: Mean High Water Mark indicated by:
 oil or scum line along shore objects survey to available datum;
 fine shell or debris deposits (foreshore) physical markings;
 physical markings/characteristics vegetation lines/changes in vegetation types.
 tidal gauges
 other (list):

(iii) **Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain:

Identify specific pollutants, if known:

⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷Ibid.

(iv) **Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

2. **Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

(i) **Physical Characteristics:**

(a) General Wetland Characteristics:

Properties:

Wetland size: _____ acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

Directly abutting

Not directly abutting

Discrete wetland hydrologic connection. Explain:

Ecological connection. Explain:

Separated by berm/barrier. Explain:

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately () acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N) Size (in acres) Directly abuts? (Y/N) Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
 TNWs: linear feet width (ft), Or, acres.
 Wetlands adjacent to TNWs: acres.
2. **RPWs that flow directly or indirectly into TNWs.**
 Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:
 Tributaries of TNW where tributaries have continuous flow “seasonally” (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.

Identify type(s) of waters: .

3. Non-RPWs⁸ that flow directly or indirectly into TNWs.

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.

Identify type(s) of waters: .

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
 Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .
 Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. Impoundments of jurisdictional waters.⁹

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- Demonstrate that impoundment was created from "waters of the U.S.," or
 Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
 Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):¹⁰

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
 from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
 which are or could be used for industrial purposes by industries in interstate commerce.
 Interstate isolated waters. Explain: .
 Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

⁸See Footnote # 3.

⁹To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

¹⁰Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres.
 Identify type(s) of waters: .
- Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
 - Prior to the Jan 2001 Supreme Court decision in “*SWANCC*,” the review area would have been regulated based solely on the “Migratory Bird Rule” (MBR).
- Waters do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction. Explain: .
- Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): **approximately 9,953** linear feet **averaging 2 to 4 ft** in width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: 1.24 acres. List type of aquatic resource: Claypans 0.97 acres and Ditches 0.27 acres.
- Wetlands: acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource: .
- Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Features are depicted on Map Sheets 139-141, 166, and 168-171 in Appendix E of the submitted delineation. .
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps: .
- Corps navigable waters’ study: .
- U.S. Geological Survey Hydrologic Atlas: See attached figures for NHD flowlines and HUC boundaries.
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Rosamond, Palmdale, 7.5 minute quadrangles.
- USDA Natural Resources Conservation Service Soil Survey. Citation: .
- National wetlands inventory map(s). Cite name: .
- State/Local wetland inventory map(s): .
- FEMA/FIRM maps: .
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): NAIP Imagery 2005 and 2014 at 1-m resolution; LA County Imagery 2011 and 2013 at a 1-foot resolution.
 - or Other (Name & Date): .
- Previous determination(s). File no. and date of response letter: SPL-2011-01084-SLP, June 7, 2013.
- Applicable/supporting case law: .
- Applicable/supporting scientific literature: .
- Other information (please specify): Aquatic Resources Delineation Report prepared by the applicant/consultant references additional materials; also Appendix E contains map sheets; Appendix F contains dimensions. HUC watershed maps of review areas with NHD Data provided by the applicant/consultant; general use of NAIP Imagery 2009, 2010, and 2012 at 1-m resolution; LA County Imagery 2015 at 1-foot resolution; 2015 Site specific IR Imagery, 3-inch color pixel; Bing Aerial Imagery - multiple years (scale

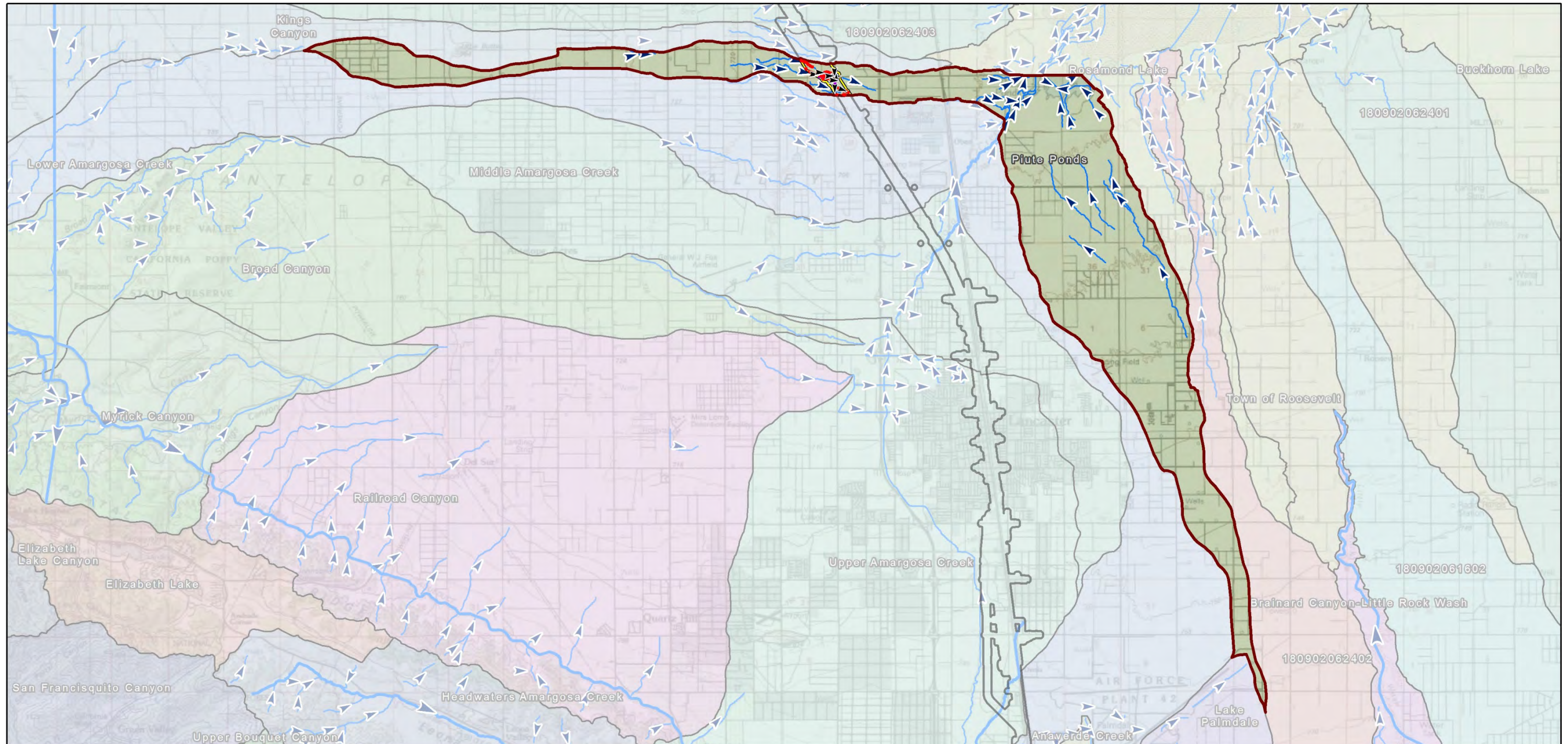
dependent); ESRI World Imagery (streaming service) multiple years (scale dependent); Google Earth Historic Photos (used for reference and includes portions from above listed sources).

B. ADDITIONAL COMMENTS TO SUPPORT JD:

| Waters_Name | Cowardin_Code | HGM_Code | Amount | Units | Waters_Type | Latitude | Longitude |
|----------------|---------------|----------|--------|-------|-------------|-------------|--------------|
| Str_0375 | R6 | RIVERINE | 0.14 | ACRE | ISOLATE | 34.79476795 | -118.1935542 |
| Str_0383-001 | R6 | RIVERINE | 0.1 | SQ_FT | ISOLATE | 34.79313089 | -118.1935022 |
| Str_0383-002 | R6 | RIVERINE | 15 | SQ_FT | ISOLATE | 34.79313387 | -118.193526 |
| Str_0383-003 | R6 | RIVERINE | 104 | SQ_FT | ISOLATE | 34.79314576 | -118.1936325 |
| Str_0383-004 | R6 | RIVERINE | 0.01 | ACRE | ISOLATE | 34.79335376 | -118.1938654 |
| Str_0384 | R6 | RIVERINE | 39 | SQ_FT | ISOLATE | 34.79321644 | -118.1938732 |
| Str_0385 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.79253608 | -118.1923106 |
| Str_0386 | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 34.79198903 | -118.1903849 |
| Ditch_0387-001 | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 34.79137 | -118.1895874 |
| Ditch_0387-002 | R6 | RIVERINE | 133 | SQ_FT | ISOLATE | 34.79146775 | -118.1878928 |
| Ditch_0387-003 | R6 | RIVERINE | 0.7 | SQ_FT | ISOLATE | 34.7914777 | -118.1877988 |
| Ditch_0387-004 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.79149783 | -118.1870111 |
| Ditch_0387-005 | R6 | RIVERINE | 4 | SQ_FT | ISOLATE | 34.79151643 | -118.1861691 |
| Str_0388 | R6 | RIVERINE | 0.17 | ACRE | ISOLATE | 34.79255307 | -118.1875324 |
| Str_0389 | R6 | RIVERINE | 0.08 | ACRE | ISOLATE | 34.79157185 | -118.1874733 |
| Str_0390 | R6 | RIVERINE | 0.07 | ACRE | ISOLATE | 34.79095079 | -118.1869502 |
| Ditch_0391 | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 34.79123813 | -118.1856591 |
| Ditch_0392-001 | R6 | RIVERINE | 0.2 | SQ_FT | ISOLATE | 34.7883347 | -118.1847854 |
| Ditch_0392-002 | R6 | RIVERINE | 110 | SQ_FT | ISOLATE | 34.78829137 | -118.1847917 |
| Ditch_0392-003 | R6 | RIVERINE | 3 | SQ_FT | ISOLATE | 34.78835793 | -118.1847869 |
| Ditch_0392-004 | R6 | RIVERINE | 315 | SQ_FT | ISOLATE | 34.78859215 | -118.1847965 |
| Ditch_0392-005 | R6 | RIVERINE | 16 | SQ_FT | ISOLATE | 34.78929259 | -118.1847988 |
| Ditch_0392-006 | R6 | RIVERINE | 0.02 | ACRE | ISOLATE | 34.78944706 | -118.1847984 |
| Ditch_0392-007 | R6 | RIVERINE | 57 | SQ_FT | ISOLATE | 34.79081904 | -118.1848122 |
| Ditch_0392-008 | R6 | RIVERINE | 8 | SQ_FT | ISOLATE | 34.79088403 | -118.1848133 |
| Ditch_0392-009 | R6 | RIVERINE | 2 | SQ_FT | ISOLATE | 34.7909082 | -118.1848141 |
| Ditch_0392-010 | R6 | RIVERINE | 271 | SQ_FT | ISOLATE | 34.79114743 | -118.1848141 |
| Ditch_0393 | R6 | RIVERINE | 0.05 | ACRE | ISOLATE | 34.79246143 | -118.1847958 |
| Ditch_0394 | R6 | RIVERINE | 0.04 | ACRE | ISOLATE | 34.79228552 | -118.1845449 |
| Ditch_0395 | R6 | RIVERINE | 0.03 | ACRE | ISOLATE | 34.79151897 | -118.1839038 |
| Str_0396 | R6 | RIVERINE | 0.08 | ACRE | ISOLATE | 34.78777903 | -118.1823926 |
| Str_0397b | R6 | RIVERINE | 0.01 | ACRE | ISOLATE | 34.7866508 | -118.1841345 |
| Str_0398a | R6 | RIVERINE | 0.02 | ACRE | ISOLATE | 34.7867349 | -118.181833 |
| CP_1400 | PUB | DEPRESS | 38 | SQ_FT | ISOLATE | 34.795211 | -118.194843 |
| CP_1426 | PUB | DEPRESS | 210 | SQ_FT | ISOLATE | 34.795178 | -118.192932 |
| CP_1529 | PUB | DEPRESS | 55 | SQ_FT | ISOLATE | 34.793186 | -118.193713 |
| CP_1530 | PUB | DEPRESS | 22 | SQ_FT | ISOLATE | 34.79313 | -118.193551 |
| CP_1531 | PUB | DEPRESS | 600 | SQ_FT | ISOLATE | 34.79434 | -118.193523 |
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| CP_1537 | PUB | DEPRESS | 32 | SQ_FT | ISOLATE | 34.792884 | -118.191828 |
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| CP_1543 | PUB | DEPRESS | 65 | SQ_FT | ISOLATE | 34.792522 | -118.190884 |
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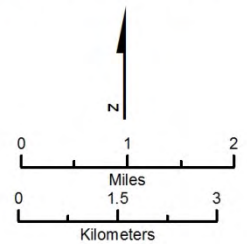
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| CP_1551-001 | PUB | DEPRESS | 11 | SQ_FT | ISOLATE | 34.791622 | -118.1895 |
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| CP_1560 | PUB | DEPRESS | 153 | SQ_FT | ISOLATE | 34.791298 | -118.18811 |
| CP_1561 | PUB | DEPRESS | 42 | SQ_FT | ISOLATE | 34.791533 | -118.188107 |
| CP_1562 | PUB | DEPRESS | 91 | SQ_FT | ISOLATE | 34.791534 | -118.188031 |
| CP_1563 | PUB | DEPRESS | 71 | SQ_FT | ISOLATE | 34.791463 | -118.187992 |
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| CP_1565 | PUB | DEPRESS | 27 | SQ_FT | ISOLATE | 34.791473 | -118.187814 |
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| CP_1577 | PUB | DEPRESS | 113 | SQ_FT | ISOLATE | 34.791186 | -118.18734 |
| CP_1578 | PUB | DEPRESS | 6 | SQ_FT | ISOLATE | 34.793439 | -118.187256 |
| CP_1579 | PUB | DEPRESS | 39 | SQ_FT | ISOLATE | 34.791167 | -118.187218 |
| CP_1580 | PUB | DEPRESS | 344 | SQ_FT | ISOLATE | 34.79348 | -118.187141 |
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| CP_1590 | PUB | DEPRESS | 133 | SQ_FT | ISOLATE | 34.791456 | -118.185869 |
| CP_1591 | PUB | DEPRESS | 4885 | SQ_FT | ISOLATE | 34.788818 | -118.185659 |
| CP_1592 | PUB | DEPRESS | 49 | SQ_FT | ISOLATE | 34.789038 | -118.185626 |
| CP_1593 | PUB | DEPRESS | 42 | SQ_FT | ISOLATE | 34.78897 | -118.185469 |
| CP_1594 | PUB | DEPRESS | 96 | SQ_FT | ISOLATE | 34.789166 | -118.185443 |
| CP_1595 | PUB | DEPRESS | 479 | SQ_FT | ISOLATE | 34.789223 | -118.185409 |
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| CP_1608 | PUB | DEPRESS | 1783 | SQ_FT | ISOLATE | 34.790654 | -118.184806 |
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| CP_1611 | PUB | DEPRESS | 727 | SQ_FT | ISOLATE | 34.788756 | -118.184414 |
| CP_1612 | PUB | DEPRESS | 154 | SQ_FT | ISOLATE | 34.790012 | -118.184132 |
| CP_1613 | PUB | DEPRESS | 373 | SQ_FT | ISOLATE | 34.789952 | -118.184124 |

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|-------------|-----|---------|------|-------|---------|-----------|--------------|
| CP_1614 | PUB | DEPRESS | 40 | SQ_FT | ISOLATE | 34.789428 | -118.184049 |
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| CP_1642 | PUB | DEPRESS | 73 | SQ_FT | ISOLATE | 34.789282 | -118.182777 |
| CP_1643 | PUB | DEPRESS | 18 | SQ_FT | ISOLATE | 34.789322 | -118.182766 |
| CP_1644 | PUB | DEPRESS | 18 | SQ_FT | ISOLATE | 34.789355 | -118.182747 |
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| CP_1658 | PUB | DEPRESS | 288 | SQ_FT | ISOLATE | 34.789279 | -118.18216 |
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PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 15, 2016



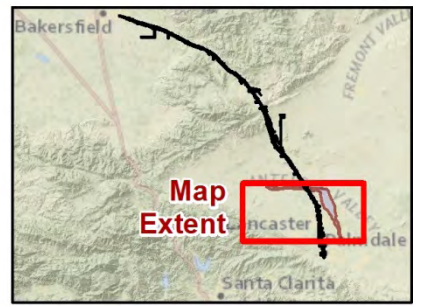
BP HSR Mapped Streams with OHWM in Piute Ponds Watershed Study Area

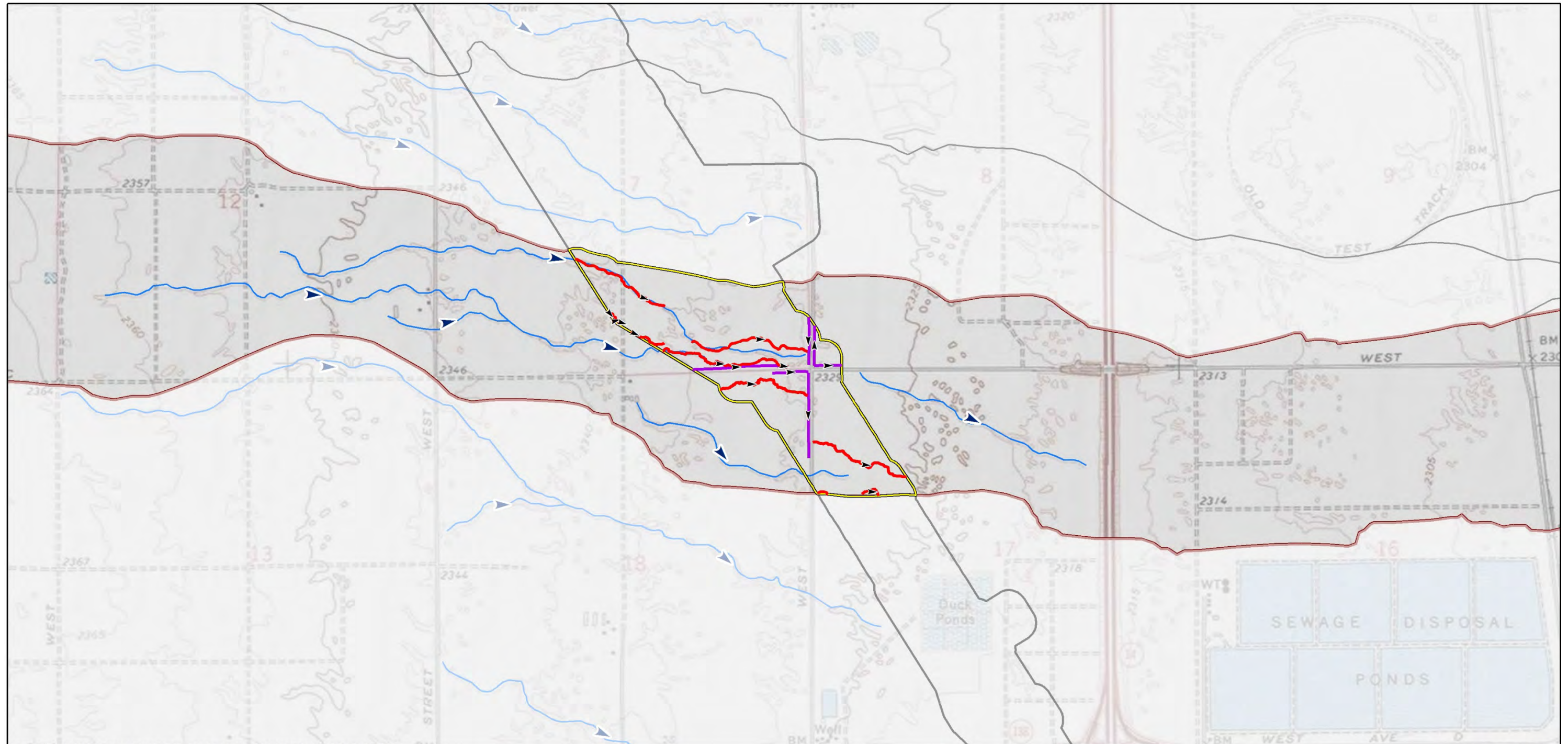
- Ephemeral Stream
- Ditch

- Study Area in the Piute Ponds Watershed
- Piute Ponds Watershed HUC-12
- Other HUC-12 Watersheds

- Wetlands Study Area (Project Footprint + 250 ft Buffer)
- Direction of flow based on NHD flowlines

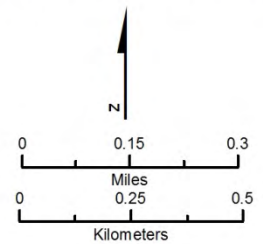
Piute Ponds Watershed Hydrologic Connectivity





PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 18, 2016



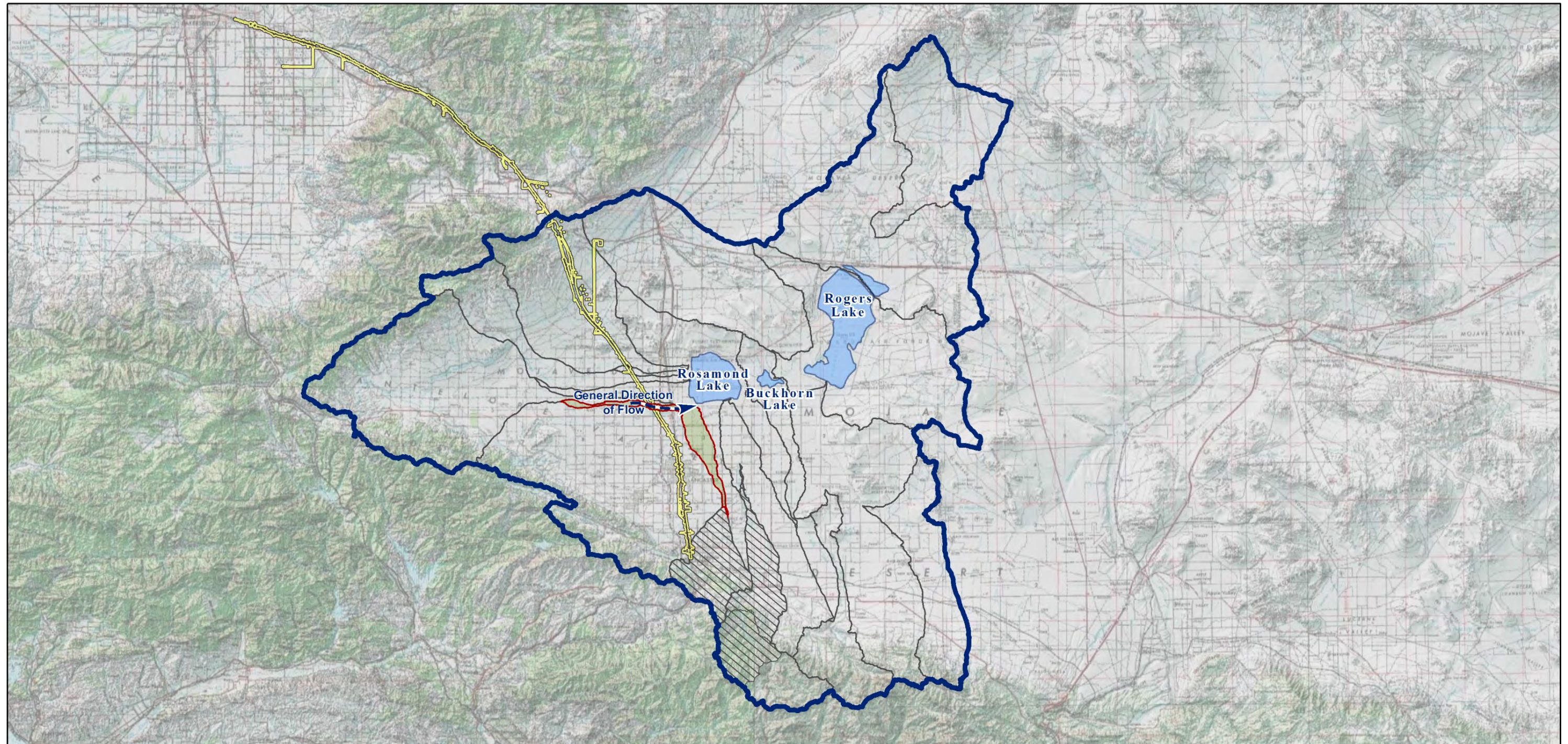
BP HSR Mapped Streams with OHWM in Piute Ponds Watershed Study Area
 — Ephemeral Stream
 — Ditch

Study Area in the Piute Ponds Watershed
 Piute Ponds Watershed HUC-12

Wetlands Study Area (Project Footprint + 250 ft Buffer)
 Direction of flow based on NHD flowlines

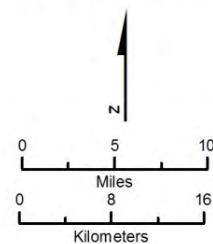
Piute Ponds Watershed Study Area Hydrologic Connectivity





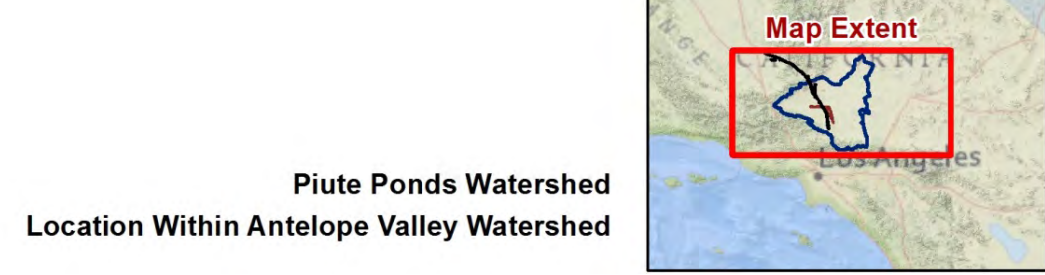
PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 17, 2016

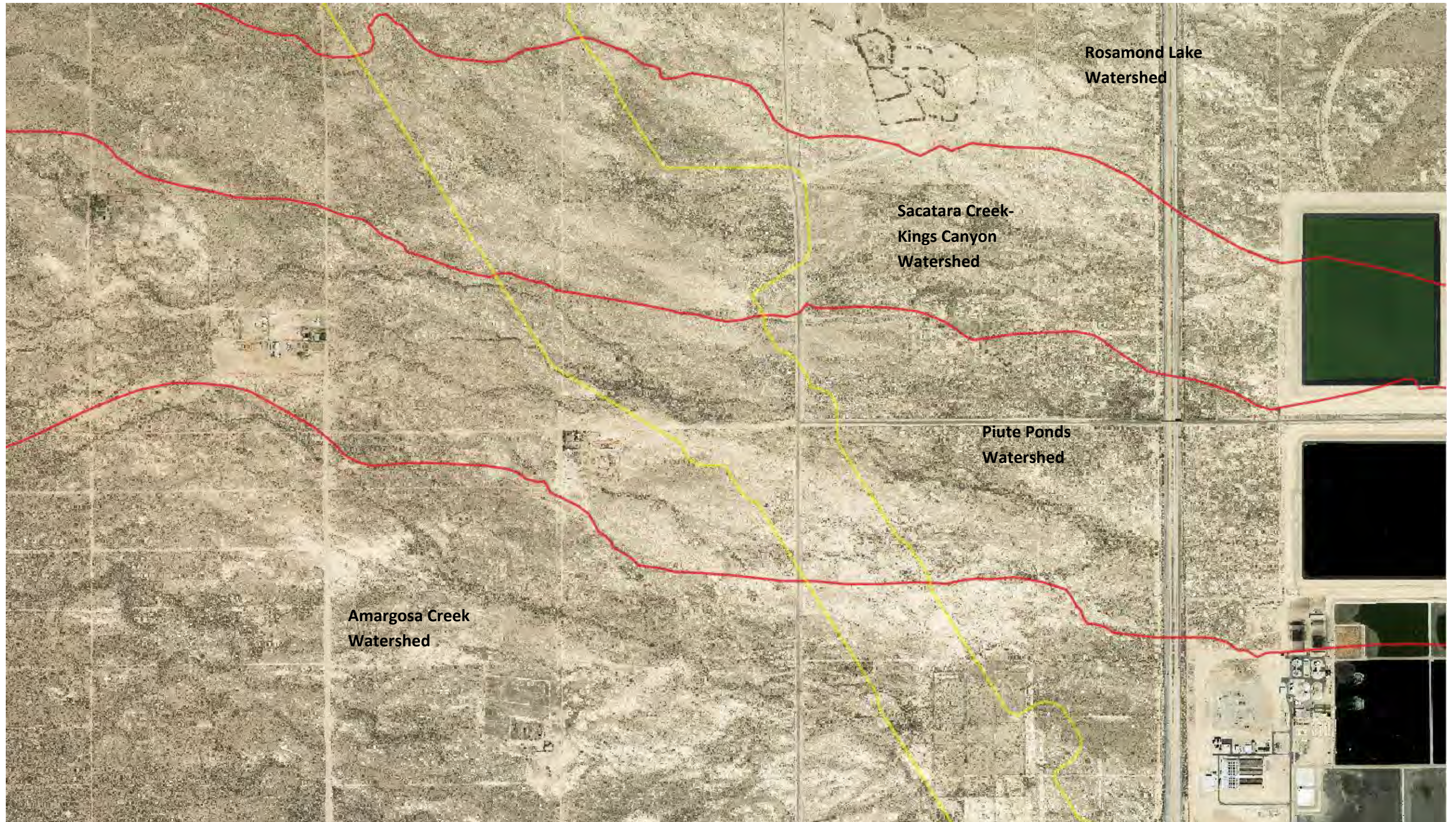


- Piute Ponds Watershed HUC-12
- Antelope Valley Watershed (as described in SPL-2011-01084-SLP)
- HUC-12 Watersheds excluded from SPL-2011-01084-SLP
- Wetlands Study Area (Project Footprint + 250 ft Buffer)

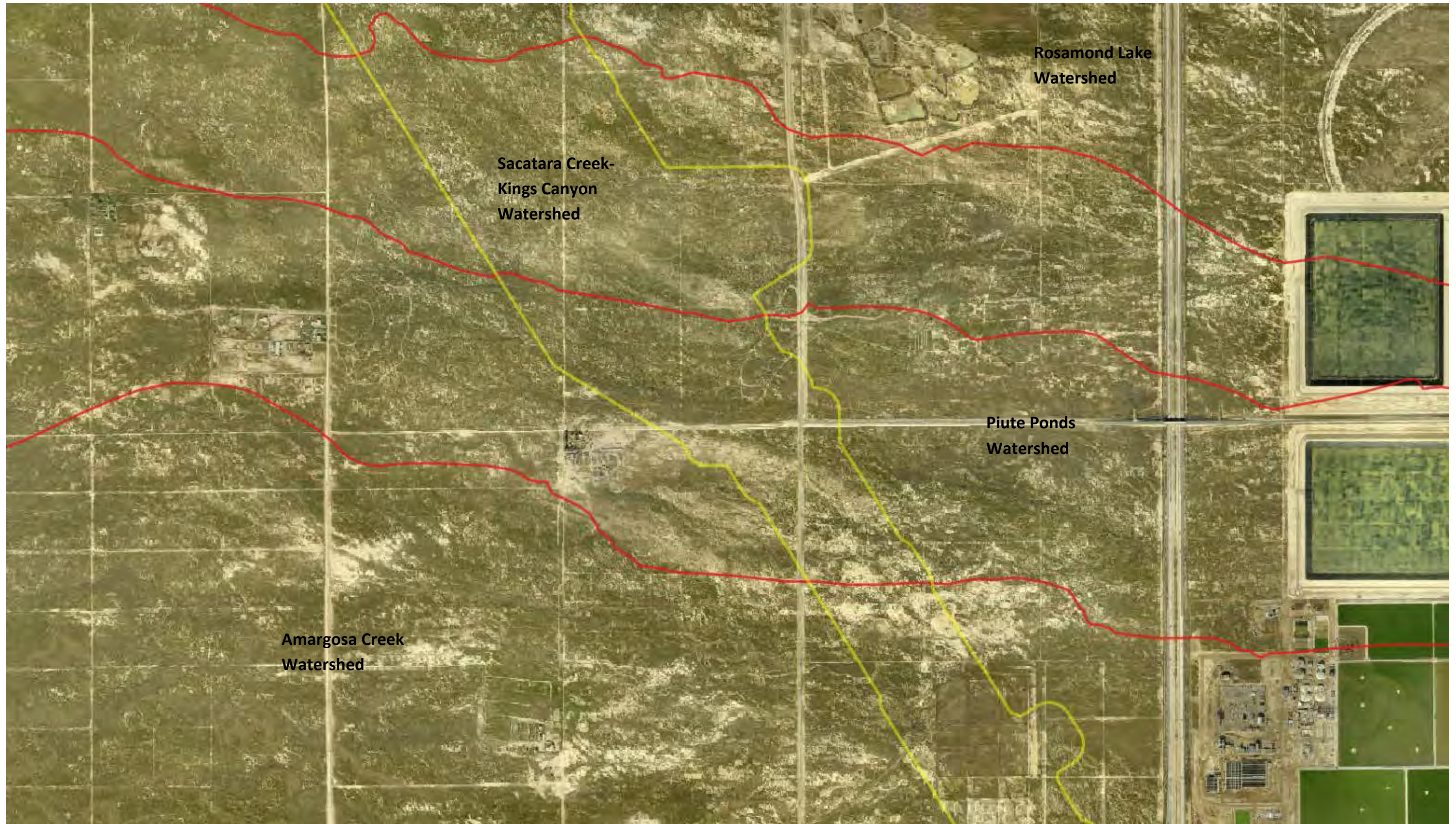
The U.S. Army Corps of Engineers issued a SWANCC watershed-level Approved Jurisdictional Determination for Antelope Valley (HUC 10 #s 1809020609 through 1809020624) on June 7, 2013. Note that this determination specifically excluded the areas of Lake Palmdale and all waters tributary to Lake Palmdale (portions of HUC 12 #s 180902061501, 180902061102, 180902061103). This figure illustrates the location of the study area relative to the previous watershed-level decision.



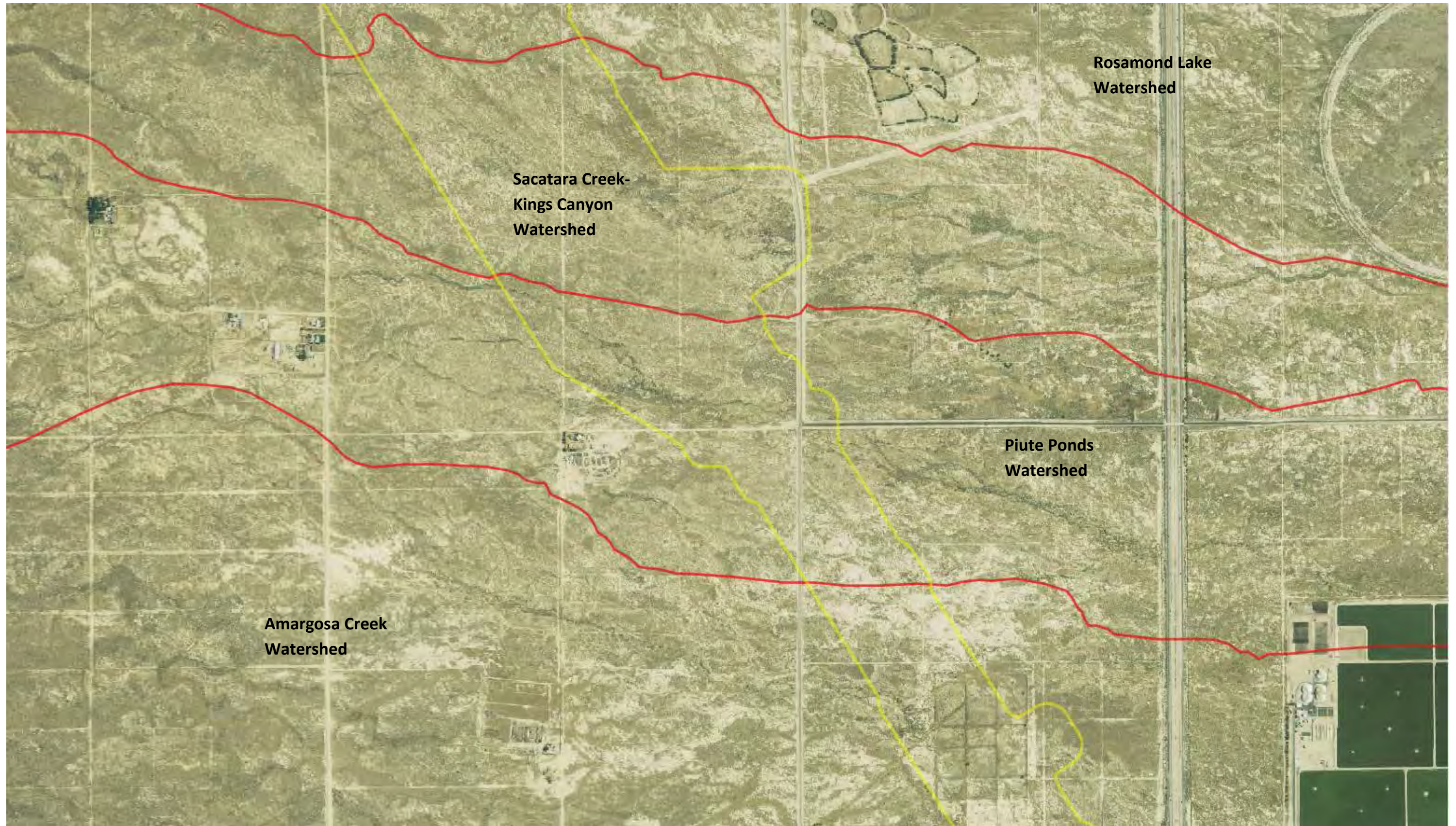
**Piute Ponds Watershed
 Location Within Antelope Valley Watershed**



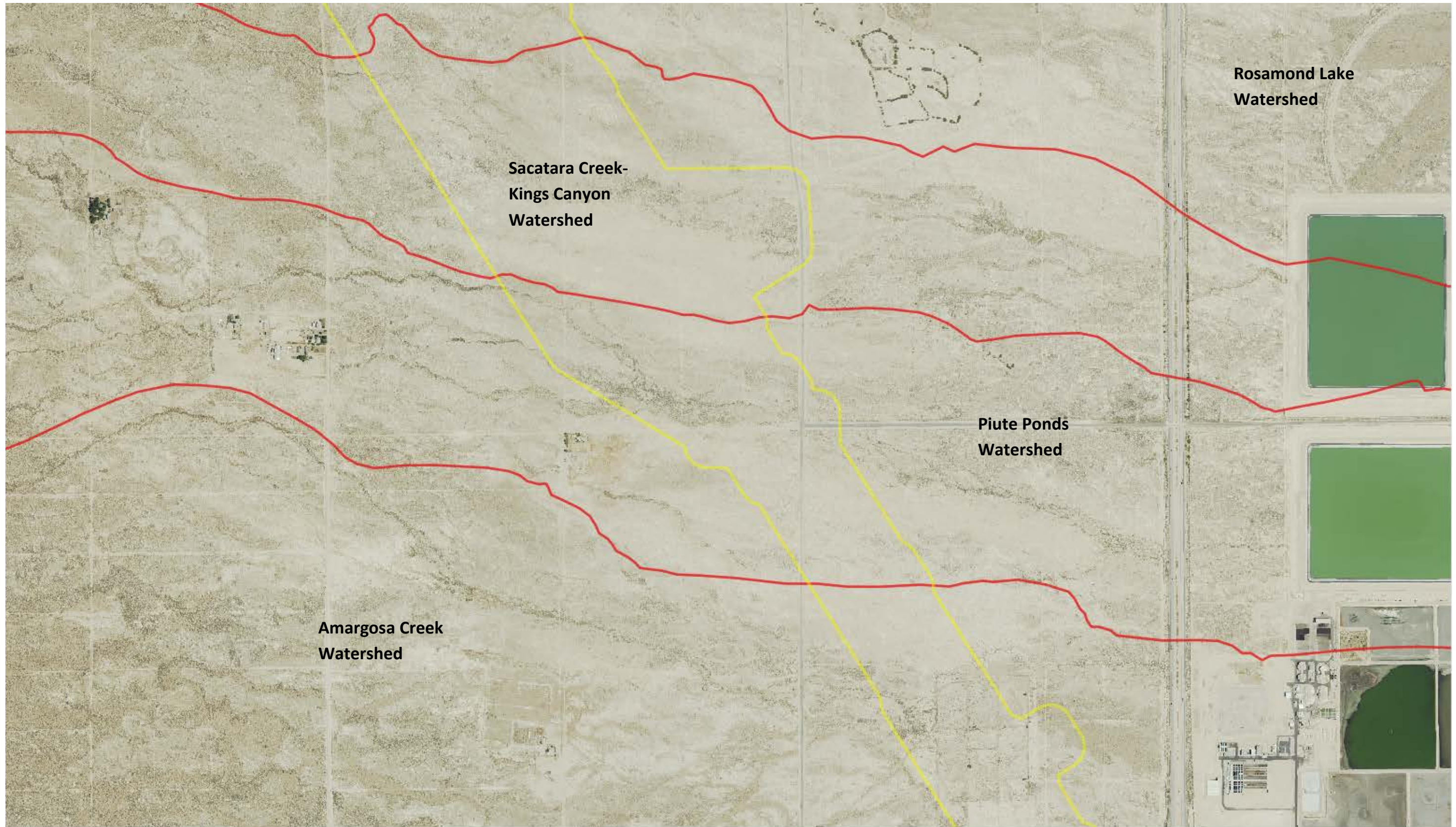
Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



Los Angeles County 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): August 25, 2017

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: SPL-2010-00945-VCL-JD-8

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: CA County/parish/borough: Los Angeles County City: N/A
Center coordinates of site (lat/long in degree decimal format): Lat. 34.686462° N, Long. 118.135180° W.
Universal Transverse Mercator: 396017 m E, 3838860 m N

Name of nearest waterbody: Amargosa Creek

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: N/A

Name of watershed or Hydrologic Unit Code (HUC): Amargosa Creek, California, 1809020614

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date: July 25, 2017

Field Determination. Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area (check all that apply):¹

- TNWs, including territorial seas
- Wetlands adjacent to TNWs
- Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs
- Non-RPWs that flow directly or indirectly into TNWs
- Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- Impoundments of jurisdictional waters
- Isolated (interstate or intrastate) waters, including isolated wetlands

b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: linear feet: width (ft) and/or acres.

Wetlands: acres.

c. Limits (boundaries) of jurisdiction based on: **Not Applicable.**

Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

Within the project area of the Amargosa Creek HUC 10, there are a total of 1,843 aquatic features. These features include two forks of Amargosa Creek, specifically 6 segments of desert wash and 3 segments of ditches, as well as 29 unnamed ephemeral desert wash stream features, 21 additional ephemeral ditches, one seasonal wetland, 10 basins, 1,667 claypan features, and 106 ponded features. Amargosa Creek is the only named stream that crosses through the study area. Two forks of this creek cross

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

the study area: one fork crosses north of Lancaster near W Avenue F, and the other fork crosses south of Lancaster near Sierra Highway, before being routed into a system of ditches. Together these segments of Amargosa Creek span a total of 8,664 linear feet (1.64 miles) and cover approximately 1.91 acre. Other ephemeral desert wash streams span a total of approximately 17,837 linear feet (3.38 miles) and cover approximately 4.02 acre; ephemeral ditches span a total of approximately 24,334 linear feet (4.61 mile), and cover approximately 3.63 acre; the seasonal wetland covers approximately 0.32 acre; and claypan features cover approximately 5.83 acres. Basins cover approximately 14.93 acres. Features of ponding cover approximately 1.40 acre. These features are quantified in this analysis and identified in the attached report to demonstrate that all surface aquatic resources in the study area were evaluated to determine their type, water source, and investigate for connections to waters of the U.S. Labeled maps and tables of features and dimensions are provided in the Aquatic Resources Delineation Report, which identifies each feature according to which HUC-10 watershed it occurs within.

Amargosa Creek segments, labeled AmargosaCreek_0411, AmargosaCreek_0437-001 through -004, AmargosaCreek_0438, and AmargosaCrk_Ditch_0430 through_0432, flow northeast toward Rosamond Dry Lake. These stream and ditch segments carry only ephemeral flow in the study area. The unnamed ephemeral desert washes, features Str_0397 through Str_0410, Str_0427 through_0428, Str_0433 through_0436, Str_0447 through_0451, Str_0453, Str_0455, and Str_0456 generally flow east-northeast within the study area. These aquatic features continue to flow northeast outside the study area toward Rosamond Dry Lake. The ephemeral ditches, Ditch_0416 through_0419, Ditch_0421 through_0422, Ditch_0424 through_0425, Ditch_0429, Ditch_0441 through_0444, Ditch_0452, Ditch_0454, and Ditch_0457 through Ditch_0460, are located along road shoulders and generally flow along roadsides until reaching culverts where the water flows under the road, or low points where the water flows across the road, rejoining natural features or sheet flow that convey the water farther northeast east toward Rosamond Dry Lake. Note that several stream and ditch features have multiple segments and are labeled as such in attached tables (e.g. Ditch_0421-001, Ditch_0421-002, etc.). Most of the ephemeral desert wash and ditch features dissipate and do not have defined channels that can be traced all the way down to the terminal point in the watershed. These features are similar to many other streams in the Antelope Valley Watershed that have well-defined channels where they originate in the mountains and foothills, but dissipate on the valley floor, where water movement during storms is primarily sheet flow.

Ephemeral and intermittent claypan features, features labeled "CP_" in the attached ORM sheet (CP_1630, CP_1631, CP_1634-001, CP_1634-002, CP_1635, CP_1637 (five segments), CP_1663, CP_1665 through CP_2774, CP_2777 through CP_2779, CP_2781, CP_2783, CP_2784, CP_2787 through CP_2792, CP_2796 through CP_2797, CP_2799, CP_2801, CP_2805, CP_2809 through CP_2953, CP_2966 through CP_2971, CP_2975 through CP_2977, CP_2979 through CP_2982, CP_2986 through CP_2987, CP_2989 through CP_2993, CP_2995 through CP_2999, CP_3001 through CP_3021, CP_3023, CP_3025, CP_3026, CP_3028 through CP_3063, CP_3065, CP_3067 through CP_3068, CP_3070, CP_3072 through CP_3074, CP_3076 through CP_3078, CP_3081 through CP_3085, CP_3087 through CP_3090, CP_3092, CP_3096 through CP_3181, CP_3185-001 and -002, CP_3191 through CP_3229, CP_3231 through CP_3232, CP_3234 through CP_3290, CP_3292, CP_3295 through CP_3300, CP_3302 through CP_3315, and CP_3347-039 through CP_3353-002; multiple segments labeled as previously noted), are scattered throughout the study area due to the relatively flat topography. These low-lying depressional features are ephemeral or intermittent, and typically hold water for a few weeks annually.

There were 106 areas of ponding identified in the study area which are features labeled "PD_" in the attached ORM sheet (PD_2775 through 2776, PD_2780, PD_2782, PD_2785 through PD_2786, PD_2793 through PD_2795, PD_2798, PD_2800, PD_2802 through PD_2804, PD_2806 through PD_2808, PD_2948 through PD_2952, PD_2954 through PD_2965, PD_2972 through PD_2974, PD_2978, PD_2983 through PD_2985, PD_2988, PD_2994, PD_3000, PD_3022, PD_3024, PD_3027, PD_3064, PD_3066, PD_3069, PD_3071, PD_3075, PD_3079, PD_3080, PD_3086, PD_3091, PD_3093 through PD_3095, PD_3182 through PD_3184, PD_3186, PD_3187, PD_3188, PD_3189, PD_3190, PD_3230, PD_3233, PD_3276 through PD_3289, PD_3291, PD_3293, PD_3294, PD_3301, and PD_3316 through PD_3332), and that hold water for at least fourteen days after storms. These intermittent features generally hold water for a few weeks similar to claypans.

Ten basins, Basin_0412 through_0415, Basin_0420, Basin_0423, Basin_0439 through_0440, and Basin_0445 through_0446, are isolated, constructed features that appear to be stormwater detention/retention basins. Some basins hold water for only a short duration, while others appear to be perennially wet based on review of aerial imagery.

The seasonal wetland, SW_0426, is in a low swale adjacent to an existing commercial development near Division Street, with a few inches of surface water periodically present, supporting hydrophytic vegetation. The feature appears to be supplemented by urban runoff from adjacent landscaping. It is not adjacent to a stream or ditch. Water leaves the site primarily through evaporation.

Nearly all aquatic features within the study area are ephemeral or intermittent (only a few may be potentially perennial) and all the aquatic features are not used for commerce. The hydrologic connection to the low point in the Antelope Valley watershed, Rogers, Rosamond, and Buckhorn Dry Lakes, is primarily through sheet flow during storms. A review of topographic maps and watershed boundary datasets indicates that waters from the study area drain toward Rosamond Dry Lake.

There are no Traditional Navigable Waters (TNWs) or Relatively Permanent Waters (RPWs) in the study area, and the ephemeral desert streams in the study area are not tributaries to RPWs or TNWs. A previous SWANCC watershed-level Approved JD for Antelope Valley (HUC10 #s 1809020609 through 1809020624, excluding those portions of HUC12s 18090206151, 1901902061102, and 180902061103 that drain toward Lake Palmdale and its tributaries) determined that Rosamond, Buckhorn, and Rogers Dry Lakes, and their tributaries, (i.e. the Antelope Valley Watershed, excluding Lake Palmdale and tributaries to Lake Palmdale) are non-jurisdictional waters of the United States under SWANCC. This determination, SPL-2011-01084-SLP, dated June 7, 2013, found that

these Antelope Valley waters are not tributary to either a TNW or an (a)(3) water and Rosamond, Buckhorn, and Rogers Dry Lakes are not (a)(3) waters themselves. The Corps made this watershed conclusion because the Antelope Valley watershed is an isolated, intrastate watershed without any surface water related interstate commerce. This previous determination is still in effect, and is appended as a supporting document for this determination.

Additionally the Corps made a similar determination regarding Amargosa Creek near the study area (File No. 2013-00507-SLP). In this determination, the Corps evaluated two forks of Amargosa Creek near Palmdale, close to the southern segments evaluated in the current study area, and found that these waters, and ephemeral tributaries to the forks of Amargosa Creek, are tributaries to Rosamond Dry Lake. On the basis of the previous determination that Rosamond Dry Lake is not a TNW, RPW, or a 33 C.F.R. section 328.3 (a)(3)(i-iii) water, Amargosa Creek and tributaries were determined to be waters that are not currently regulated. The segments of Amargosa Creek in the current study area, and their tributaries, have similar characteristics to the features reviewed in 2013-00507-SLP.

The above is based upon the review of aerial photographs (Google Earth, accessed July 25, 2017) that also did not show surface water usage of the project drainages or the Rosamond Dry Lake terminus. Since the Rosamond Dry Lake is an intrastate isolated water without a surface water connection to commerce (see prior AJD file No. SPL-2011-01084-SLP), the subject 6 segments of desert wash and 3 segments of ditches of Amargosa Creek, 29 unnamed ephemeral desert wash stream features, 21 additional ephemeral ditches, one seasonal wetland, 10 basins, 1,667 claypan features, and 106 ponded features, as part of the same overall system, are also isolated and additionally have no nexus to commerce.

Based on the information above, the subject drainages, 6 segments of desert wash and 3 segments of ditches of Amargosa Creek, 29 unnamed ephemeral desert wash stream features, 21 additional ephemeral ditches, one seasonal wetland, 10 basins, 1,667 claypan features, and 106 ponded features, are NONJURISDICTIONAL waters of the United States, since the waters are NOT tributary to either a TNW or an (a)(3) water and are NOT (a)(3) waters themselves. The Corps makes such a conclusion since the waters are tributary to an isolated, intrastate dry lake.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: .

Summarize rationale supporting determination: .

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is “adjacent”:

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are “relatively permanent waters” (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: **Pick List**

Drainage area: **Pick List**

Average annual rainfall: inches

Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

Tributary flows directly into TNW.

Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.

Project waters are **Pick List** river miles from RPW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Project waters are **Pick List** aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain: .

Identify flow route to TNW⁵:

Tributary stream order, if known: .

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(b) General Tributary Characteristics (check all that apply):

Tributary is: Natural
 Artificial (man-made). Explain:
 Manipulated (man-altered). Explain:

Tributary properties with respect to top of bank (estimate):

Average width: feet
Average depth: feet
Average side slopes: **Pick List.**

Primary tributary substrate composition (check all that apply):

Silts Sands Concrete
 Cobbles Gravel Muck
 Bedrock Vegetation. Type/% cover:
 Other. Explain:

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:

Presence of run/riffle/pool complexes. Explain:

Tributary geometry: Pick List

Tributary gradient (approximate average slope): %

(c) Flow:

Tributary provides for: Pick List

Estimate average number of flow events in review area/year: Pick List

Describe flow regime:

Other information on duration and volume:

Surface flow is: Pick List. Characteristics:

Subsurface flow: Pick List. Explain findings:

Dye (or other) test performed:

Tributary has (check all that apply):

Bed and banks
 OHWM⁶ (check all indicators that apply):
 clear, natural line impressed on the bank the presence of litter and debris
 changes in the character of soil destruction of terrestrial vegetation
 shelving the presence of wrack line
 vegetation matted down, bent, or absent sediment sorting
 leaf litter disturbed or washed away scour
 sediment deposition multiple observed or predicted flow events
 water staining abrupt change in plant community
 other (list):
 Discontinuous OHWM.⁷ Explain:

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

High Tide Line indicated by: Mean High Water Mark indicated by:
 oil or scum line along shore objects survey to available datum;
 fine shell or debris deposits (foreshore) physical markings;
 physical markings/characteristics vegetation lines/changes in vegetation types.
 tidal gauges
 other (list):

(iii) **Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain:

Identify specific pollutants, if known:

⁶A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷Ibid.

(iv) **Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

2. **Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

(i) **Physical Characteristics:**

(a) General Wetland Characteristics:

Properties:

Wetland size: acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

- Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

- Directly abutting
- Not directly abutting
 - Discrete wetland hydrologic connection. Explain:
 - Ecological connection. Explain:
 - Separated by berm/barrier. Explain:

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately () acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N) Size (in acres) Directly abuts? (Y/N) Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
 TNWs: linear feet width (ft), Or, acres.
 Wetlands adjacent to TNWs: acres.
2. **RPWs that flow directly or indirectly into TNWs.**
 Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:
 Tributaries of TNW where tributaries have continuous flow “seasonally” (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.

Identify type(s) of waters: .

3. Non-RPWs⁸ that flow directly or indirectly into TNWs.

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.

Identify type(s) of waters: .

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
 Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

- Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. Impoundments of jurisdictional waters.⁹

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- Demonstrate that impoundment was created from "waters of the U.S.," or
 Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
 Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):¹⁰

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
 from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
 which are or could be used for industrial purposes by industries in interstate commerce.
 Interstate isolated waters. Explain: .
 Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

⁸See Footnote # 3.

⁹ To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

¹⁰ Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres.
Identify type(s) of waters: .
- Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
 - Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).
- Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: .
- Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): **approximately 22,389** linear feet **2 to 20 feet in** width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: 27.20 acres. List type of aquatic resource: Basins 14.93 acres, Claypans 5.83 acres, Ditches 3.63 acres and Ponding in Developed Areas 1.40 acres.
- Wetlands: seasonal 0.32 acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource: .
- Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Features are depicted on Map Sheets 140-171 in Appendix E of the submitted delineation. .
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps: .
- Corps navigable waters' study: .
- U.S. Geological Survey Hydrologic Atlas: see attached watershed figures for HUC boundaries and flow lines.
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Lancaster West 7.5 minute quadrangle.
- USDA Natural Resources Conservation Service Soil Survey. Citation: .
- National wetlands inventory map(s). Cite name: .
- State/Local wetland inventory map(s): .
- FEMA/FIRM maps: .
- 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): NAIP Imagery 2005 and 2014 at 1-m resolution; LA County Imagery 2011 and 2013 at a 1-foot resolution.
or Other (Name & Date): .
- Previous determination(s). File no. and date of response letter: SPL-2011-01084-SLP, June 7, 2013; SPL-2013-00507-SLP, May 5, 2014.
- Applicable/supporting case law: .
- Applicable/supporting scientific literature: .
- Other information (please specify): Aquatic Resources Delineation Report prepared by the applicant/consultant references additional materials; also Appendix E contains map sheets; Appendix F contains dimensions. HUC watershed maps of review areas with NHD Data provided by the applicant/consultant; general use of NAIP Imagery 2009, 2010, and 2012 at 1-m resolution; LA County

Imagery 2015 at 1-foot resolution; 2015 Site specific IR Imagery, 3-inch color pixel; Bing Aerial Imagery - multiple years (scale dependent); ESRI World Imagery (streaming service) multiple years (scale dependent); Google Earth Historic Photos (used for reference and includes portions from above listed sources).

B. ADDITIONAL COMMENTS TO SUPPORT JD:

| Waters_Name | Cowardin_Code | HGM_Code | Amount | Units | Latitude | Longitude |
|------------------------|---------------|----------|--------|----------|-------------|--------------|
| Str_0397a | R6 | RIVERINE | 0.00 | ACRE | 34.78655 | -118.1843669 |
| Str_0397c | R6 | RIVERINE | 0.11 | ACRE | 34.78617 | -118.1820365 |
| Str_0398b | R6 | RIVERINE | 0.02 | ACRE | 34.78617 | -118.1813046 |
| Str_0399 | R6 | RIVERINE | 0.220 | ACRE | 34.78502 | -118.181059 |
| Str_0400 | R6 | RIVERINE | 0.00 | ACRE | 34.78617 | -118.1797037 |
| Str_0401 | R6 | RIVERINE | 0.01 | ACRE | 34.78505 | -118.1794268 |
| Str_0402 | R6 | RIVERINE | 0.01 | ACRE | 34.78544 | -118.1791358 |
| Str_0403 | R6 | RIVERINE | 0.11 | ACRE | 34.78402 | -118.1792059 |
| Str_0404 | R6 | RIVERINE | 0.05 | ACRE | 34.78284 | -118.1812322 |
| Str_0405 | R6 | RIVERINE | 0.03 | ACRE | 34.78247 | -118.1811284 |
| Str_0406 | R6 | RIVERINE | 0.01 | ACRE | 34.78233 | -118.1810439 |
| Str_0407 | R6 | RIVERINE | 0.06 | ACRE | 34.77539 | -118.1752071 |
| Str_0408 | R6 | RIVERINE | 0.15 | ACRE | 34.77241 | -118.1735731 |
| Str_0409-001 | R6 | RIVERINE | 0.010 | ACRE | 34.76984 | -118.1714605 |
| Str_0409-002 | R6 | RIVERINE | 0.00 | ACRE | 34.77178 | -118.1735966 |
| Str_0410 | R6 | RIVERINE | 0.09 | ACRE | 34.7491 | -118.1520713 |
| AmargosaCreek_0411 | R6 | RIVERINE | 0.14 | ACRE | 34.74635 | -118.151514 |
| Basin_0412 | PUB | RIVERINE | 0.29 | ACRE | 34.73304 | -118.140983 |
| Basin_0413 | PUB | RIVERINE | 1.29 | ACRE | 34.73286 | -118.136711 |
| Basin_0414 | PUB | RIVERINE | 1.30 | ACRE | 34.73287 | -118.135845 |
| Basin_0415 | PUB | RIVERINE | 0.82 | ACRE | 34.72268 | -118.143427 |
| Ditch_0416-001 | R6 | RIVERINE | 0.005 | ACRE | 34.71352 | -118.1389889 |
| Ditch_0416-002 | R6 | RIVERINE | 0.02 | ACRE | 34.7138 | -118.1401715 |
| Ditch_0417 | R6 | RIVERINE | 0.06 | ACRE | 34.71626 | -118.1396852 |
| Ditch_0418 | R6 | RIVERINE | 0.01 | ACRE | 34.7139 | -118.1395531 |
| Ditch_0419 | R6 | RIVERINE | 0.02 | ACRE | 34.71259 | -118.1390817 |
| Basin_0420 | PUB | RIVERINE | 3.93 | ACRE | 34.71754 | -118.138295 |
| Ditch_0421-001 | R6 | RIVERINE | 0.04 | ACRE | 34.71232 | -118.1382373 |
| Ditch_0421-002 | R6 | RIVERINE | 0.0007 | ACRE | 34.71355 | -118.1385169 |
| Ditch_0422 | R6 | RIVERINE | 0.08 | ACRE | 34.71579 | -118.1373747 |
| Basin_0423 | PUB | RIVERINE | 3.35 | ACRE | 34.69627 | -118.132236 |
| Ditch_0424 | R6 | RIVERINE | 0.08 | ACRE | 34.69207 | -118.1351291 |
| Ditch_0425 | R6 | RIVERINE | 0.24 | ACRE | 34.68227 | -118.1334178 |
| SW_0426 | PEM | RIVERINE | 0.32 | ACRE | 34.67435 | -118.1279328 |
| Str_0427 | R6 | RIVERINE | 0.02 | ACRE | 34.64457 | -118.1357612 |
| Str_0428 | R6 | RIVERINE | 0.04 | ACRE | 34.64135 | -118.1282437 |
| Ditch_0429 | R6 | RIVERINE | 0.005 | ACRE | 34.6419 | -118.1279017 |
| AmargosaCrk_Ditch_0430 | R6 | RIVERINE | 0.08 | ACRE | 34.64513 | -118.1273144 |
| AmargosaCrk_Ditch_0431 | R6 | RIVERINE | 0.01 | ACRE | 34.64613 | -118.1273593 |
| AmargosaCrk_Ditch_0432 | R6 | RIVERINE | 0.97 | ACRE | 34.63986 | -118.1271351 |
| Str_0433 | R6 | RIVERINE | 0.3 | ACRE | 34.63691 | -118.137527 |
| Str_0434 | R6 | RIVERINE | 0.02 | ACRE | 34.63299 | -118.1283876 |
| Str_0435 | R6 | RIVERINE | 0.04 | ACRE | 34.6343 | -118.12022 |
| Str_0436 | R6 | RIVERINE | 0.02 | ACRE | 34.6279 | -118.1343827 |
| AmargosaCreek_0437-001 | R6 | RIVERINE | 0.002 | ACRE | 34.62719 | -118.1318041 |
| AmargosaCreek_0437-002 | R6 | RIVERINE | 0.09 | ACRE | 34.62709 | -118.1324838 |
| AmargosaCreek_0437-003 | R6 | RIVERINE | 0.01 | ACRE | 34.6275 | -118.1323855 |
| AmargosaCreek_0437-004 | R6 | RIVERINE | 0.02 | ACRE | 34.63072 | -118.1301677 |
| AmargosaCreek_0438 | R6 | RIVERINE | 0.59 | ACRE | 34.63335 | -118.1289324 |
| Basin_0439 | PEM | RIVERINE | 2.01 | ACRE | 34.61722 | -118.127358 |
| Basin_0440 | PEM | RIVERINE | 1.73 | ACRE | 34.61745 | -118.12582 |
| Ditch_0441 | R6 | RIVERINE | 0.68 | ACRE | 34.61392 | -118.123645 |
| Ditch_0442 | R6 | RIVERINE | 0.09 | ACRE | 34.61211 | -118.122061 |
| Ditch_0443 | R6 | RIVERINE | 0.002 | ACRE | 34.60932 | -118.121441 |
| Ditch_0444 | R6 | RIVERINE | 0.1 | ACRE | 34.60044 | -118.124843 |
| Basin_0445 | PUB | RIVERINE | 0.04 | ACRE | 34.60717 | -118.12367 |
| Basin_0446 | PEM | RIVERINE | 0.17 | ACRE | 34.6016 | -118.116003 |
| Str_0447 R6 | RIVERINE | 0.12 | ACRE | 34.60151 | -118.113538 | |
| Str_0448 R6 | RIVERINE | 0.51 | ACRE | 34.60141 | -118.112426 | |

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|-------------|-------------|--------|-------|----------|-------------|
| Str_0449 R6 | RIVERINE | 0.03 | ACRE | 34.60233 | -118.112154 |
| Str_0450 R6 | RIVERINE | 0.06 | ACRE | 34.60244 | -118.111885 |
| Str_0451 R6 | RIVERINE | 1.1 | ACRE | 34.59603 | -118.121769 |
| Ditch_0452 | R6 RIVERINE | 0.35 | ACRE | 34.59477 | -118.119996 |
| Str_0453 R6 | RIVERINE | 0.28 | ACRE | 34.59724 | -118.119794 |
| Ditch_0454 | R6 RIVERINE | 0.14 | ACRE | 34.59203 | -118.119585 |
| Str_0455 R6 | RIVERINE | 0.31 | ACRE | 34.59409 | -118.119431 |
| Str_0456 R6 | RIVERINE | 0.29 | ACRE | 34.59599 | -118.119377 |
| Ditch_0457 | R6 RIVERINE | 1.18 | ACRE | 34.58465 | -118.118415 |
| Ditch_0458 | R6 RIVERINE | 0.5 | ACRE | 34.57638 | -118.117216 |
| Ditch_0459 | R6 RIVERINE | 0.02 | ACRE | 34.57205 | -118.129479 |
| Ditch_0460 | R6 RIVERINE | 0.01 | ACRE | 34.57243 | -118.128693 |
| CP_1630-002 | PUB DEPRESS | 132 | SQ_FT | 34.78648 | -118.183159 |
| CP_1631 | PUB DEPRESS | 6 | SQ_FT | 34.78486 | -118.183099 |
| CP_1634-001 | PUB DEPRESS | 33 | SQ_FT | 34.78488 | -118.183071 |
| CP_1634-002 | PUB DEPRESS | 21 | SQ_FT | 34.78488 | -118.183071 |
| CP_1635 | PUB DEPRESS | 6 | SQ_FT | 34.7849 | -118.183053 |
| CP_1637-001 | PUB DEPRESS | 96 | SQ_FT | 34.78502 | -118.183007 |
| CP_1637-002 | PUB DEPRESS | 1 | SQ_FT | 34.78502 | -118.183007 |
| CP_1637-003 | PUB DEPRESS | 330 | SQ_FT | 34.78502 | -118.183007 |
| CP_1637-004 | PUB DEPRESS | 8 | SQ_FT | 34.78502 | -118.183007 |
| CP_1637-005 | PUB DEPRESS | 29 | SQ_FT | 34.78502 | -118.183007 |
| CP_1663 | PUB DEPRESS | 22 | SQ_FT | 34.78513 | -118.181906 |
| CP_1665 | PUB DEPRESS | 44 | SQ_FT | 34.7842 | -118.181379 |
| CP_1666 PUB | DEPRESS | 53 | SQ_FT | 34.78427 | -118.181352 |
| CP_1667 PUB | DEPRESS | 61 | SQ_FT | 34.7842 | -118.18134 |
| CP_1668 PUB | DEPRESS | 182 | SQ_FT | 34.78429 | -118.180589 |
| CP_1669 PUB | DEPRESS | 68 | SQ_FT | 34.78487 | -118.180594 |
| CP_1670 PUB | DEPRESS | 76 | SQ_FT | 34.78363 | -118.179799 |
| CP_1671 PUB | DEPRESS | 5 | SQ_FT | 34.7837 | -118.179739 |
| CP_1672 PUB | DEPRESS | 6 | SQ_FT | 34.78368 | -118.179634 |
| CP_1673 PUB | DEPRESS | 78 | SQ_FT | 34.78345 | -118.179602 |
| CP_1674 PUB | DEPRESS | 35 | SQ_FT | 34.78345 | -118.17955 |
| CP_1675 PUB | DEPRESS | 236.0 | SQ_FT | 34.78361 | -118.179549 |
| CP_1676-001 | PUB DEPRESS | 0.2 | SQ_FT | 34.78383 | -118.179548 |
| CP_1676-002 | PUB DEPRESS | 33 | SQ_FT | 34.78383 | -118.179548 |
| CP_1677 PUB | DEPRESS | 82 | SQ_FT | 34.78417 | -118.179216 |
| CP_1678 PUB | DEPRESS | 38 | SQ_FT | 34.78359 | -118.179053 |
| CP_1679 PUB | DEPRESS | 18 | SQ_FT | 34.78401 | -118.178082 |
| CP_1680-001 | PUB DEPRESS | 2 | SQ_FT | 34.784 | -118.178017 |
| CP_1680-002 | PUB DEPRESS | 39 | SQ_FT | 34.784 | -118.178017 |
| CP_1680-003 | PUB DEPRESS | 13 | SQ_FT | 34.784 | -118.178017 |
| CP_1681-001 | PUB DEPRESS | 9.0 | SQ_FT | 34.78243 | -118.181417 |
| CP_1681-002 | PUB DEPRESS | 0.5 | SQ_FT | 34.78243 | -118.181417 |
| CP_1681-003 | PUB DEPRESS | 0.2 | SQ_FT | 34.78243 | -118.181417 |
| CP_1681-004 | PUB DEPRESS | 0.1 | SQ_FT | 34.78243 | -118.181417 |
| CP_1681-005 | PUB DEPRESS | 67 | SQ_FT | 34.78243 | -118.181417 |
| CP_1682-001 | PUB DEPRESS | 2 | SQ_FT | 34.78236 | -118.181315 |
| CP_1682-002 | PUB DEPRESS | 9 | SQ_FT | 34.78236 | -118.181315 |
| CP_1682-003 | PUB DEPRESS | 65.0 | SQ_FT | 34.78236 | -118.181315 |
| CP_1683-001 | PUB DEPRESS | 0.1 | SQ_FT | 34.78232 | -118.18105 |
| CP_1683-002 | PUB DEPRESS | 128 | SQ_FT | 34.78232 | -118.18105 |
| CP_1683-003 | PUB DEPRESS | 1 | SQ_FT | 34.78232 | -118.18105 |
| CP_1684 PUB | DEPRESS | 20 | SQ_FT | 34.78185 | -118.180758 |
| CP_1685 PUB | DEPRESS | 379.00 | SQ_FT | 34.78215 | -118.180658 |
| CP_1686 PUB | DEPRESS | 0.03 | ACRE | 34.78164 | -118.180635 |
| CP_1687 PUB | DEPRESS | 6 | SQ_FT | 34.78164 | -118.180603 |
| CP_1688 PUB | DEPRESS | 62 | SQ_FT | 34.78226 | -118.180387 |
| CP_1689 PUB | DEPRESS | 26 | SQ_FT | 34.78252 | -118.180309 |
| CP_1690 PUB | DEPRESS | 4 | SQ_FT | 34.78297 | -118.180288 |
| CP_1691 PUB | DEPRESS | 9 | SQ_FT | 34.783 | -118.180279 |
| CP_1692 PUB | DEPRESS | 3 | SQ_FT | 34.78296 | -118.180271 |
| CP_1693 PUB | DEPRESS | 26 | SQ_FT | 34.78251 | -118.180236 |
| CP_1694 PUB | DEPRESS | 163 | SQ_FT | 34.78183 | -118.180224 |
| CP_1695 PUB | DEPRESS | 11 | SQ_FT | 34.78303 | -118.180157 |
| CP_1696 PUB | DEPRESS | 5.00 | SQ_FT | 34.78301 | -118.180155 |

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|-------------|-------------|--------|-------|----------|-------------|
| CP_1697 PUB | DEPRESS | 0.25 | ACRE | 34.781 | -118.180099 |
| CP_1698 PUB | DEPRESS | 104 | SQ_FT | 34.7827 | -118.180096 |
| CP_1699 PUB | DEPRESS | 19.00 | SQ_FT | 34.78312 | -118.180083 |
| CP_1700 PUB | DEPRESS | 0.02 | ACRE | 34.78256 | -118.180065 |
| CP_1701 PUB | DEPRESS | 6 | SQ_FT | 34.78229 | -118.179944 |
| CP_1702 PUB | DEPRESS | 48.00 | SQ_FT | 34.78202 | -118.179902 |
| CP_1703 PUB | DEPRESS | 0.02 | ACRE | 34.78279 | -118.179878 |
| CP_1704 PUB | DEPRESS | 0.03 | ACRE | 34.78222 | -118.179855 |
| CP_1705 PUB | DEPRESS | 37 | SQ_FT | 34.78288 | -118.179804 |
| CP_1706 PUB | DEPRESS | 19 | SQ_FT | 34.78284 | -118.179804 |
| CP_1707 PUB | DEPRESS | 15 | SQ_FT | 34.78281 | -118.17979 |
| CP_1708 PUB | DEPRESS | 9 | SQ_FT | 34.7817 | -118.179768 |
| CP_1709 PUB | DEPRESS | 22 | SQ_FT | 34.78285 | -118.179755 |
| CP_1710 PUB | DEPRESS | 27 | SQ_FT | 34.78281 | -118.179736 |
| CP_1711 PUB | DEPRESS | 9.00 | SQ_FT | 34.78277 | -118.179735 |
| CP_1712 PUB | DEPRESS | 0.03 | ACRE | 34.78302 | -118.179721 |
| CP_1713 PUB | DEPRESS | 308.00 | SQ_FT | 34.78192 | -118.179713 |
| CP_1714 PUB | DEPRESS | 0.01 | ACRE | 34.78266 | -118.179707 |
| CP_1715 PUB | DEPRESS | 40 | SQ_FT | 34.78285 | -118.179688 |
| CP_1716 PUB | DEPRESS | 14 | SQ_FT | 34.7828 | -118.179682 |
| CP_1717 PUB | DEPRESS | 466 | SQ_FT | 34.78014 | -118.179669 |
| CP_1718 PUB | DEPRESS | 37 | SQ_FT | 34.78016 | -118.179305 |
| CP_1719 PUB | DEPRESS | 124 | SQ_FT | 34.78001 | -118.179201 |
| CP_1720 PUB | DEPRESS | 10 | SQ_FT | 34.77935 | -118.17913 |
| CP_1721 PUB | DEPRESS | 232.00 | SQ_FT | 34.7792 | -118.178952 |
| CP_1722 PUB | DEPRESS | 0.06 | ACRE | 34.78037 | -118.178931 |
| CP_1723 PUB | DEPRESS | 0.04 | ACRE | 34.77963 | -118.178862 |
| CP_1724 PUB | DEPRESS | 0.06 | ACRE | 34.78047 | -118.17866 |
| CP_1725 PUB | DEPRESS | 0.07 | ACRE | 34.7791 | -118.178645 |
| CP_1726 PUB | DEPRESS | 0.0 | ACRE | 34.77889 | -118.178576 |
| CP_1727 PUB | DEPRESS | 0.1 | SQ_FT | 34.77892 | -118.178481 |
| CP_1728 PUB | DEPRESS | 26 | SQ_FT | 34.78013 | -118.178113 |
| CP_1729 PUB | DEPRESS | 88 | SQ_FT | 34.77747 | -118.177889 |
| CP_1730 PUB | DEPRESS | 93 | SQ_FT | 34.7775 | -118.177808 |
| CP_1731 PUB | DEPRESS | 277.00 | SQ_FT | 34.77747 | -118.177639 |
| CP_1732 PUB | DEPRESS | 0.04 | ACRE | 34.77979 | -118.177575 |
| CP_1733 PUB | DEPRESS | 49 | SQ_FT | 34.77721 | -118.177452 |
| CP_1734-001 | PUB DEPRESS | 4.00 | SQ_FT | 34.7775 | -118.177421 |
| CP_1734-002 | PUB DEPRESS | 0.02 | ACRE | 34.7775 | -118.177421 |
| CP_1735 PUB | DEPRESS | 0.02 | ACRE | 34.77831 | -118.177414 |
| CP_1736 PUB | DEPRESS | 116 | SQ_FT | 34.77976 | -118.177413 |
| CP_1737 PUB | DEPRESS | 24.00 | SQ_FT | 34.77719 | -118.177408 |
| CP_1738 PUB | DEPRESS | 0.02 | ACRE | 34.77889 | -118.177408 |
| CP_1739 PUB | DEPRESS | 0.01 | ACRE | 34.78008 | -118.177233 |
| CP_1740 PUB | DEPRESS | 11 | SQ_FT | 34.77679 | -118.177223 |
| CP_1741 PUB | DEPRESS | 15.00 | SQ_FT | 34.7807 | -118.177223 |
| CP_1742 PUB | DEPRESS | 0.02 | ACRE | 34.77752 | -118.177162 |
| CP_1743 PUB | DEPRESS | 25 | SQ_FT | 34.77746 | -118.177063 |
| CP_1744 PUB | DEPRESS | 9 | SQ_FT | 34.77746 | -118.176998 |
| CP_1745 PUB | DEPRESS | 29 | SQ_FT | 34.77753 | -118.17693 |
| CP_1746 PUB | DEPRESS | 60 | SQ_FT | 34.77748 | -118.176918 |
| CP_1747 PUB | DEPRESS | 7.00 | SQ_FT | 34.77752 | -118.1769 |
| CP_1748 PUB | DEPRESS | 0.04 | ACRE | 34.77749 | -118.176603 |
| CP_1749 PUB | DEPRESS | 106.00 | SQ_FT | 34.78087 | -118.17653 |
| CP_1750 PUB | DEPRESS | 0.03 | ACRE | 34.78003 | -118.176516 |
| CP_1751 PUB | DEPRESS | 208.00 | SQ_FT | 34.77893 | -118.176495 |
| CP_1752 PUB | DEPRESS | 0.06 | ACRE | 34.78051 | -118.17648 |
| CP_1753 PUB | DEPRESS | 21 | SQ_FT | 34.78105 | -118.176458 |
| CP_1754 PUB | DEPRESS | 15 | SQ_FT | 34.78102 | -118.176449 |
| CP_1755 PUB | DEPRESS | 21 | SQ_FT | 34.77889 | -118.176414 |
| CP_1756 PUB | DEPRESS | 33 | SQ_FT | 34.78095 | -118.176391 |
| CP_1757 PUB | DEPRESS | 68 | SQ_FT | 34.78199 | -118.176366 |
| CP_1758 PUB | DEPRESS | 36 | SQ_FT | 34.78202 | -118.176359 |
| CP_1759 PUB | DEPRESS | 28 | SQ_FT | 34.7789 | -118.176359 |
| CP_1760 PUB | DEPRESS | 172.00 | SQ_FT | 34.77731 | -118.17632 |
| CP_1761 PUB | DEPRESS | 0.06 | ACRE | 34.77753 | -118.176313 |

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| CP_1762 PUB | DEPRESS | 0.02 | ACRE | 34.77789 | -118.17627 |
| CP_1763 PUB | DEPRESS | 13.00 | SQ_FT | 34.77733 | -118.17626 |
| CP_1764 PUB | DEPRESS | 0.11 | ACRE | 34.7772 | -118.176182 |
| CP_1765 PUB | DEPRESS | 192 | SQ_FT | 34.77592 | -118.176104 |
| CP_1766 PUB | DEPRESS | 8.00 | SQ_FT | 34.78207 | -118.176022 |
| CP_1767 PUB | DEPRESS | 0.58 | ACRE | 34.78124 | -118.175977 |
| CP_1768 PUB | DEPRESS | 434 | SQ_FT | 34.78053 | -118.175903 |
| CP_1769 PUB | DEPRESS | 123 | SQ_FT | 34.77708 | -118.17563 |
| CP_1770 PUB | DEPRESS | 9 | SQ_FT | 34.77718 | -118.175629 |
| CP_1771 PUB | DEPRESS | 74 | SQ_FT | 34.77671 | -118.175624 |
| CP_1772-001 | PUB DEPRESS | 5 | SQ_FT | 34.77632 | -118.175595 |
| CP_1772-002 | PUB DEPRESS | 2 | SQ_FT | 34.77632 | -118.175595 |
| CP_1772-003 | PUB DEPRESS | 5 | SQ_FT | 34.77632 | -118.175595 |
| CP_1772-004 | PUB DEPRESS | 17.0 | SQ_FT | 34.77632 | -118.175595 |
| CP_1772-005 | PUB DEPRESS | 0.2 | SQ_FT | 34.77632 | -118.175595 |
| CP_1772-006 | PUB DEPRESS | 6 | SQ_FT | 34.77632 | -118.175595 |
| CP_1772-007 | PUB DEPRESS | 12 | SQ_FT | 34.77632 | -118.175595 |
| CP_1772-008 | PUB DEPRESS | 40 | SQ_FT | 34.77632 | -118.175595 |
| CP_1773 PUB | DEPRESS | 8 | SQ_FT | 34.77665 | -118.175572 |
| CP_1774 PUB | DEPRESS | 4 | SQ_FT | 34.77672 | -118.175564 |
| CP_1775-001 | PUB DEPRESS | 120 | SQ_FT | 34.77708 | -118.175559 |
| CP_1775-002 | PUB DEPRESS | 9 | SQ_FT | 34.77708 | -118.175559 |
| CP_1776 PUB | DEPRESS | 46 | SQ_FT | 34.77713 | -118.175552 |
| CP_1777 PUB | DEPRESS | 22 | SQ_FT | 34.77656 | -118.175521 |
| CP_1778 PUB | DEPRESS | 9 | SQ_FT | 34.7766 | -118.175496 |
| CP_1779 PUB | DEPRESS | 3 | SQ_FT | 34.77657 | -118.175487 |
| CP_1780 PUB | DEPRESS | 340.00 | SQ_FT | 34.777 | -118.175464 |
| CP_1781 PUB | DEPRESS | 0.02 | ACRE | 34.77951 | -118.175454 |
| CP_1782 PUB | DEPRESS | 0.01 | ACRE | 34.77655 | -118.175415 |
| CP_1783 PUB | DEPRESS | 11 | SQ_FT | 34.77573 | -118.175403 |
| CP_1784 PUB | DEPRESS | 331 | SQ_FT | 34.77677 | -118.1754 |
| CP_1785 PUB | DEPRESS | 23 | SQ_FT | 34.77672 | -118.175384 |
| CP_1786 PUB | DEPRESS | 7 | SQ_FT | 34.77573 | -118.175382 |
| CP_1787 PUB | DEPRESS | 10 | SQ_FT | 34.77672 | -118.175358 |
| CP_1788 PUB | DEPRESS | 56 | SQ_FT | 34.77647 | -118.175352 |
| CP_1789 PUB | DEPRESS | 51 | SQ_FT | 34.77904 | -118.175303 |
| CP_1790 PUB | DEPRESS | 50 | SQ_FT | 34.77876 | -118.17525 |
| CP_1791 PUB | DEPRESS | 65 | SQ_FT | 34.7764 | -118.175248 |
| CP_1792 PUB | DEPRESS | 208 | SQ_FT | 34.77659 | -118.175197 |
| CP_1793 PUB | DEPRESS | 36 | SQ_FT | 34.77712 | -118.175166 |
| CP_1794 PUB | DEPRESS | 15 | SQ_FT | 34.77702 | -118.175157 |
| CP_1795 PUB | DEPRESS | 15 | SQ_FT | 34.77701 | -118.175112 |
| CP_1796 PUB | DEPRESS | 174.00 | SQ_FT | 34.77663 | -118.175101 |
| CP_1797 PUB | DEPRESS | 0.04 | ACRE | 34.77677 | -118.175098 |
| CP_1798 PUB | DEPRESS | 0.02 | ACRE | 34.77711 | -118.174887 |
| CP_1799 PUB | DEPRESS | 24 | SQ_FT | 34.77533 | -118.174875 |
| CP_1800 PUB | DEPRESS | 5 | SQ_FT | 34.77679 | -118.174853 |
| CP_1801 PUB | DEPRESS | 18 | SQ_FT | 34.77701 | -118.174837 |
| CP_1802 PUB | DEPRESS | 19 | SQ_FT | 34.77676 | -118.174804 |
| CP_1803 PUB | DEPRESS | 4 | SQ_FT | 34.77661 | -118.174674 |
| CP_1804 PUB | DEPRESS | 91 | SQ_FT | 34.77663 | -118.174657 |
| CP_1805 PUB | DEPRESS | 94.00 | SQ_FT | 34.781 | -118.174578 |
| CP_1806 PUB | DEPRESS | 0.02 | ACRE | 34.77679 | -118.174517 |
| CP_1807 PUB | DEPRESS | 217 | SQ_FT | 34.77662 | -118.174469 |
| CP_1808 PUB | DEPRESS | 419 | SQ_FT | 34.7787 | -118.174403 |
| CP_1809 PUB | DEPRESS | 105 | SQ_FT | 34.77645 | -118.174382 |
| CP_1810 PUB | DEPRESS | 146 | SQ_FT | 34.77876 | -118.174289 |
| CP_1811 PUB | DEPRESS | 156.00 | SQ_FT | 34.77668 | -118.174276 |
| CP_1812 PUB | DEPRESS | 0.06 | ACRE | 34.77735 | -118.174174 |
| CP_1813 PUB | DEPRESS | 375 | SQ_FT | 34.77666 | -118.174164 |
| CP_1814 PUB | DEPRESS | 9 | SQ_FT | 34.77568 | -118.174112 |
| CP_1815 PUB | DEPRESS | 12 | SQ_FT | 34.77746 | -118.174069 |
| CP_1816 PUB | DEPRESS | 8 | SQ_FT | 34.77657 | -118.174061 |
| CP_1817 PUB | DEPRESS | 19 | SQ_FT | 34.7775 | -118.173351 |
| CP_1818 PUB | DEPRESS | 395 | SQ_FT | 34.77741 | -118.173318 |
| CP_1819 PUB | DEPRESS | 14 | SQ_FT | 34.77745 | -118.173285 |

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| CP_1820-001 | PUB | DEPRESS | 2 | SQ_FT | 34.77739 -118.173271 |
| CP_1820-002 | PUB | DEPRESS | 17 | SQ_FT | 34.77739 -118.173271 |
| CP_1821 PUB | DEPRESS | 17 | SQ_FT | 34.77739 -118.173242 | |
| CP_1822 PUB | DEPRESS | 11 | SQ_FT | 34.77742 -118.173018 | |
| CP_1823 PUB | DEPRESS | 14 | SQ_FT | 34.77729 -118.172946 | |
| CP_1824 PUB | DEPRESS | 9 | SQ_FT | 34.77731 -118.172902 | |
| CP_1825 PUB | DEPRESS | 7 | SQ_FT | 34.77732 -118.172811 | |
| CP_1826 PUB | DEPRESS | 35 | SQ_FT | 34.77669 -118.172721 | |
| CP_1827 PUB | DEPRESS | 131 | SQ_FT | 34.77669 -118.17254 | |
| CP_1828 PUB | DEPRESS | 262 | SQ_FT | 34.77642 -118.17229 | |
| CP_1829 PUB | DEPRESS | 45 | SQ_FT | 34.77629 -118.172198 | |
| CP_1830 PUB | DEPRESS | 9 | SQ_FT | 34.77638 -118.172073 | |
| CP_1831 PUB | DEPRESS | 204.0 | SQ_FT | 34.77562 -118.171583 | |
| CP_1832-001 | PUB | DEPRESS | 0.4 | SQ_FT | 34.77507 -118.174942 |
| CP_1832-002 | PUB | DEPRESS | 5 | SQ_FT | 34.77507 -118.174942 |
| CP_1832-003 | PUB | DEPRESS | 9 | SQ_FT | 34.77507 -118.174942 |
| CP_1833-001 | PUB | DEPRESS | 1 | SQ_FT | 34.77511 -118.174929 |
| CP_1833-002 | PUB | DEPRESS | 2 | SQ_FT | 34.77511 -118.174929 |
| CP_1833-003 | PUB | DEPRESS | 28 | SQ_FT | 34.77511 -118.174929 |
| CP_1834-001 | PUB | DEPRESS | 2 | SQ_FT | 34.77502 -118.174908 |
| CP_1834-002 | PUB | DEPRESS | 16 | SQ_FT | 34.77502 -118.174908 |
| CP_1835 PUB | DEPRESS | 3 | SQ_FT | 34.775 -118.17482 | |
| CP_1836-001 | PUB | DEPRESS | 12 | SQ_FT | 34.7747 -118.174618 |
| CP_1836-002 | PUB | DEPRESS | 9.0 | SQ_FT | 34.7747 -118.174618 |
| CP_1837-001 | PUB | DEPRESS | 0.3 | SQ_FT | 34.77445 -118.174393 |
| CP_1837-002 | PUB | DEPRESS | 5 | SQ_FT | 34.77445 -118.174393 |
| CP_1837-003 | PUB | DEPRESS | 1 | SQ_FT | 34.77445 -118.174393 |
| CP_1837-004 | PUB | DEPRESS | 11 | SQ_FT | 34.77445 -118.174393 |
| CP_1838 PUB | DEPRESS | 53 | SQ_FT | 34.77451 -118.174345 | |
| CP_1839 PUB | DEPRESS | 7 | SQ_FT | 34.7745 -118.17429 | |
| CP_1840 PUB | DEPRESS | 33 | SQ_FT | 34.77444 -118.174233 | |
| CP_1841 PUB | DEPRESS | 77 | SQ_FT | 34.77447 -118.17423 | |
| CP_1842 PUB | DEPRESS | 3 | SQ_FT | 34.77435 -118.174116 | |
| CP_1843 PUB | DEPRESS | 5 | SQ_FT | 34.77438 -118.174089 | |
| CP_1844 PUB | DEPRESS | 92 | SQ_FT | 34.77431 -118.17401 | |
| CP_1845 PUB | DEPRESS | 3 | SQ_FT | 34.77429 -118.173836 | |
| CP_1846 PUB | DEPRESS | 9 | SQ_FT | 34.7743 -118.173833 | |
| CP_1847 PUB | DEPRESS | 14 | SQ_FT | 34.77367 -118.173612 | |
| CP_1848 PUB | DEPRESS | 37.0 | SQ_FT | 34.77339 -118.173576 | |
| CP_1849-001 | PUB | DEPRESS | 0.1 | SQ_FT | 34.77171 -118.173565 |
| CP_1849-002 | PUB | DEPRESS | 0.3 | SQ_FT | 34.77171 -118.173565 |
| CP_1849-003 | PUB | DEPRESS | 16 | SQ_FT | 34.77171 -118.173565 |
| CP_1850 PUB | DEPRESS | 49 | SQ_FT | 34.77404 -118.173517 | |
| CP_1851 PUB | DEPRESS | 13 | SQ_FT | 34.77182 -118.173503 | |
| CP_1852 PUB | DEPRESS | 5 | SQ_FT | 34.77335 -118.173487 | |
| CP_1853 PUB | DEPRESS | 8 | SQ_FT | 34.77398 -118.173464 | |
| CP_1854 PUB | DEPRESS | 8 | SQ_FT | 34.774 -118.173454 | |
| CP_1855 PUB | DEPRESS | 10 | SQ_FT | 34.77401 -118.173435 | |
| CP_1856 PUB | DEPRESS | 93 | SQ_FT | 34.77344 -118.173381 | |
| CP_1857 PUB | DEPRESS | 3 | SQ_FT | 34.77392 -118.173346 | |
| CP_1858 PUB | DEPRESS | 35 | SQ_FT | 34.77339 -118.17334 | |
| CP_1859 PUB | DEPRESS | 16 | SQ_FT | 34.77334 -118.173257 | |
| CP_1860 PUB | DEPRESS | 39 | SQ_FT | 34.77383 -118.173231 | |
| CP_1861 PUB | DEPRESS | 22 | SQ_FT | 34.77373 -118.173227 | |
| CP_1862-001 | PUB | DEPRESS | 3 | SQ_FT | 34.77178 -118.172968 |
| CP_1862-002 | PUB | DEPRESS | 1 | SQ_FT | 34.77178 -118.172968 |
| CP_1862-003 | PUB | DEPRESS | 3 | SQ_FT | 34.77178 -118.172968 |
| CP_1863 PUB | DEPRESS | 5 | SQ_FT | 34.77327 -118.172435 | |
| CP_1864 PUB | DEPRESS | 151 | SQ_FT | 34.77332 -118.172393 | |
| CP_1865 PUB | DEPRESS | 4 | SQ_FT | 34.77205 -118.172321 | |
| CP_1866 PUB | DEPRESS | 215 | SQ_FT | 34.77337 -118.17224 | |
| CP_1867 PUB | DEPRESS | 23.00 | SQ_FT | 34.77333 -118.172235 | |
| CP_1868 PUB | DEPRESS | 0.01 | ACRE | 34.77326 -118.171851 | |
| CP_1869 PUB | DEPRESS | 69 | SQ_FT | 34.77333 -118.171831 | |
| CP_1870 PUB | DEPRESS | 6 | SQ_FT | 34.77334 -118.171727 | |
| CP_1871 PUB | DEPRESS | 327 | SQ_FT | 34.77097 -118.171679 | |

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| CP_1872 PUB | DEPRESS | 28 | SQ_FT | 34.76984 -118.171595 |
| CP_1873 PUB | DEPRESS | 4 | SQ_FT | 34.77044 -118.171475 |
| CP_1874 PUB | DEPRESS | 7.00 | SQ_FT | 34.76984 -118.171466 |
| CP_1875 PUB | DEPRESS | 0.01 | ACRE | 34.77333 -118.171449 |
| CP_1876 PUB | DEPRESS | 3 | SQ_FT | 34.7697 -118.171333 |
| CP_1877 PUB | DEPRESS | 48 | SQ_FT | 34.77335 -118.171332 |
| CP_1878 PUB | DEPRESS | 25.00 | SQ_FT | 34.77311 -118.171149 |
| CP_1879 PUB | DEPRESS | 0.05 | ACRE | 34.77329 -118.171122 |
| CP_1880 PUB | DEPRESS | 0.03 | ACRE | 34.77472 -118.171114 |
| CP_1881 PUB | DEPRESS | 58 | SQ_FT | 34.77296 -118.171098 |
| CP_1882 PUB | DEPRESS | 13 | SQ_FT | 34.77285 -118.170184 |
| CP_1883 PUB | DEPRESS | 11 | SQ_FT | 34.77289 -118.17018 |
| CP_1884 PUB | DEPRESS | 73 | SQ_FT | 34.76748 -118.169774 |
| CP_1885 PUB | DEPRESS | 19 | SQ_FT | 34.7676 -118.169674 |
| CP_1886 PUB | DEPRESS | 3 | SQ_FT | 34.77262 -118.169664 |
| CP_1887 PUB | DEPRESS | 6 | SQ_FT | 34.77214 -118.169525 |
| CP_1888 PUB | DEPRESS | 76 | SQ_FT | 34.7678 -118.169517 |
| CP_1889 PUB | DEPRESS | 9 | SQ_FT | 34.76917 -118.169152 |
| CP_1890 PUB | DEPRESS | 6 | SQ_FT | 34.76808 -118.169124 |
| CP_1891 PUB | DEPRESS | 107 | SQ_FT | 34.76828 -118.16907 |
| CP_1892 PUB | DEPRESS | 13 | SQ_FT | 34.76824 -118.169038 |
| CP_1893 PUB | DEPRESS | 18 | SQ_FT | 34.76741 -118.168995 |
| CP_1894 PUB | DEPRESS | 5 | SQ_FT | 34.7696 -118.168994 |
| CP_1895 PUB | DEPRESS | 36 | SQ_FT | 34.768 -118.16878 |
| CP_1896 PUB | DEPRESS | 37 | SQ_FT | 34.76747 -118.168766 |
| CP_1897 PUB | DEPRESS | 12 | SQ_FT | 34.76802 -118.168755 |
| CP_1898 PUB | DEPRESS | 24 | SQ_FT | 34.76867 -118.168735 |
| CP_1899 PUB | DEPRESS | 13 | SQ_FT | 34.76866 -118.168679 |
| CP_1900 PUB | DEPRESS | 4 | SQ_FT | 34.76776 -118.168546 |
| CP_1901 PUB | DEPRESS | 41 | SQ_FT | 34.76806 -118.168459 |
| CP_1902 PUB | DEPRESS | 8 | SQ_FT | 34.76777 -118.168451 |
| CP_1903 PUB | DEPRESS | 10 | SQ_FT | 34.76852 -118.168418 |
| CP_1904 PUB | DEPRESS | 22 | SQ_FT | 34.76733 -118.168399 |
| CP_1905 PUB | DEPRESS | 92 | SQ_FT | 34.76875 -118.168378 |
| CP_1906 PUB | DEPRESS | 10 | SQ_FT | 34.76873 -118.168348 |
| CP_1907 PUB | DEPRESS | 62 | SQ_FT | 34.76918 -118.168217 |
| CP_1908 PUB | DEPRESS | 13 | SQ_FT | 34.76915 -118.168202 |
| CP_1909 PUB | DEPRESS | 56 | SQ_FT | 34.76916 -118.168174 |
| CP_1910 PUB | DEPRESS | 24 | SQ_FT | 34.77062 -118.168155 |
| CP_1911 PUB | DEPRESS | 53 | SQ_FT | 34.76914 -118.168128 |
| CP_1912 PUB | DEPRESS | 12 | SQ_FT | 34.76891 -118.168115 |
| CP_1913 PUB | DEPRESS | 6 | SQ_FT | 34.76892 -118.168103 |
| CP_1914 PUB | DEPRESS | 9 | SQ_FT | 34.76889 -118.168101 |
| CP_1915 PUB | DEPRESS | 7 | SQ_FT | 34.76912 -118.168074 |
| CP_1916 PUB | DEPRESS | 71 | SQ_FT | 34.77056 -118.168037 |
| CP_1917 PUB | DEPRESS | 13 | SQ_FT | 34.7706 -118.168036 |
| CP_1918 PUB | DEPRESS | 50 | SQ_FT | 34.77047 -118.168012 |
| CP_1919 PUB | DEPRESS | 4 | SQ_FT | 34.76749 -118.167994 |
| CP_1920 PUB | DEPRESS | 17 | SQ_FT | 34.76737 -118.167916 |
| CP_1921 PUB | DEPRESS | 26 | SQ_FT | 34.76941 -118.167885 |
| CP_1922 PUB | DEPRESS | 12 | SQ_FT | 34.76989 -118.167845 |
| CP_1923 PUB | DEPRESS | 19 | SQ_FT | 34.76881 -118.167438 |
| CP_1924 PUB | DEPRESS | 7 | SQ_FT | 34.76816 -118.167316 |
| CP_1925 PUB | DEPRESS | 7 | SQ_FT | 34.7687 -118.167226 |
| CP_1926 PUB | DEPRESS | 2 | SQ_FT | 34.7687 -118.167216 |
| CP_1927 PUB | DEPRESS | 17 | SQ_FT | 34.76852 -118.167213 |
| CP_1928 PUB | DEPRESS | 5 | SQ_FT | 34.76797 -118.166807 |
| CP_1929 PUB | DEPRESS | 28 | SQ_FT | 34.76804 -118.166806 |
| CP_1930 PUB | DEPRESS | 4 | SQ_FT | 34.76793 -118.166765 |
| CP_1931 PUB | DEPRESS | 35 | SQ_FT | 34.76797 -118.166754 |
| CP_1932 PUB | DEPRESS | 135 | SQ_FT | 34.76749 -118.166748 |
| CP_1933 PUB | DEPRESS | 377 | SQ_FT | 34.76844 -118.166746 |
| CP_1934 PUB | DEPRESS | 422 | SQ_FT | 34.76735 -118.166731 |
| CP_1935 PUB | DEPRESS | 32 | SQ_FT | 34.76757 -118.166504 |
| CP_1936 PUB | DEPRESS | 12 | SQ_FT | 34.76846 -118.166394 |
| CP_1937 PUB | DEPRESS | 147 | SQ_FT | 34.76896 -118.166364 |

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| CP_1938 PUB | DEPRESS | 48 | SQ_FT | 34.76848 -118.166358 |
| CP_1939 PUB | DEPRESS | 477 | SQ_FT | 34.76861 -118.166353 |
| CP_1940 PUB | DEPRESS | 477 | SQ_FT | 34.76849 -118.166308 |
| CP_1941 PUB | DEPRESS | 115 | SQ_FT | 34.76845 -118.166252 |
| CP_1942 PUB | DEPRESS | 40 | SQ_FT | 34.76841 -118.16618 |
| CP_1943 PUB | DEPRESS | 15 | SQ_FT | 34.76733 -118.166168 |
| CP_1944-001 | PUB DEPRESS | 3 | SQ_FT | 34.76843 -118.166144 |
| CP_1944-002 | PUB DEPRESS | 1 | SQ_FT | 34.76843 -118.166144 |
| CP_1945 PUB | DEPRESS | 6 | SQ_FT | 34.76843 -118.166134 |
| CP_1946 PUB | DEPRESS | 3 | SQ_FT | 34.76839 -118.166127 |
| CP_1947 PUB | DEPRESS | 12 | SQ_FT | 34.76838 -118.166114 |
| CP_1948 PUB | DEPRESS | 15 | SQ_FT | 34.76841 -118.166105 |
| CP_1949 PUB | DEPRESS | 1 | SQ_FT | 34.76842 -118.165932 |
| CP_1950 PUB | DEPRESS | 7 | SQ_FT | 34.76803 -118.165863 |
| CP_1951 PUB | DEPRESS | 31 | SQ_FT | 34.76802 -118.16573 |
| CP_1952 PUB | DEPRESS | 10 | SQ_FT | 34.76771 -118.165565 |
| CP_1953 PUB | DEPRESS | 19 | SQ_FT | 34.76722 -118.169388 |
| CP_1954 PUB | DEPRESS | 432 | SQ_FT | 34.76725 -118.169334 |
| CP_1955 PUB | DEPRESS | 48 | SQ_FT | 34.76692 -118.169296 |
| CP_1956 PUB | DEPRESS | 148 | SQ_FT | 34.76684 -118.169254 |
| CP_1957 PUB | DEPRESS | 28 | SQ_FT | 34.76682 -118.169212 |
| CP_1958 PUB | DEPRESS | 14 | SQ_FT | 34.76686 -118.169199 |
| CP_1959 PUB | DEPRESS | 25 | SQ_FT | 34.76716 -118.169143 |
| CP_1960 PUB | DEPRESS | 82 | SQ_FT | 34.76698 -118.169142 |
| CP_1961 PUB | DEPRESS | 7 | SQ_FT | 34.76717 -118.169043 |
| CP_1962 PUB | DEPRESS | 3 | SQ_FT | 34.76716 -118.169024 |
| CP_1963 PUB | DEPRESS | 212 | SQ_FT | 34.76651 -118.168976 |
| CP_1964 PUB | DEPRESS | 56 | SQ_FT | 34.76654 -118.16883 |
| CP_1965 PUB | DEPRESS | 88 | SQ_FT | 34.76714 -118.168821 |
| CP_1966 PUB | DEPRESS | 49 | SQ_FT | 34.76658 -118.168798 |
| CP_1967 PUB | DEPRESS | 10 | SQ_FT | 34.76716 -118.168782 |
| CP_1968 PUB | DEPRESS | 6 | SQ_FT | 34.76683 -118.168692 |
| CP_1969 PUB | DEPRESS | 13 | SQ_FT | 34.76684 -118.168661 |
| CP_1970 PUB | DEPRESS | 14 | SQ_FT | 34.7673 -118.168637 |
| CP_1971 PUB | DEPRESS | 80 | SQ_FT | 34.76587 -118.168532 |
| CP_1972 PUB | DEPRESS | 13 | SQ_FT | 34.76592 -118.168495 |
| CP_1973 PUB | DEPRESS | 24 | SQ_FT | 34.76595 -118.168461 |
| CP_1974 PUB | DEPRESS | 3 | SQ_FT | 34.76591 -118.168433 |
| CP_1975 PUB | DEPRESS | 1 | SQ_FT | 34.76722 -118.168375 |
| CP_1976 PUB | DEPRESS | 38 | SQ_FT | 34.7659 -118.168353 |
| CP_1977 PUB | DEPRESS | 1 | SQ_FT | 34.76726 -118.168336 |
| CP_1978 PUB | DEPRESS | 36 | SQ_FT | 34.76703 -118.168289 |
| CP_1979 PUB | DEPRESS | 20 | SQ_FT | 34.76701 -118.168237 |
| CP_1980 PUB | DEPRESS | 16 | SQ_FT | 34.76701 -118.168211 |
| CP_1981 PUB | DEPRESS | 31 | SQ_FT | 34.76701 -118.168185 |
| CP_1982 PUB | DEPRESS | 61 | SQ_FT | 34.76575 -118.168085 |
| CP_1983 PUB | DEPRESS | 28 | SQ_FT | 34.76706 -118.168055 |
| CP_1984 PUB | DEPRESS | 17 | SQ_FT | 34.76703 -118.168048 |
| CP_1985 PUB | DEPRESS | 7 | SQ_FT | 34.76712 -118.168045 |
| CP_1986 PUB | DEPRESS | 20 | SQ_FT | 34.76702 -118.168009 |
| CP_1987 PUB | DEPRESS | 10 | SQ_FT | 34.76574 -118.167891 |
| CP_1988 PUB | DEPRESS | 11 | SQ_FT | 34.76666 -118.167836 |
| CP_1989 PUB | DEPRESS | 7 | SQ_FT | 34.76664 -118.167834 |
| CP_1990 PUB | DEPRESS | 4 | SQ_FT | 34.7666 -118.167758 |
| CP_1991 PUB | DEPRESS | 13 | SQ_FT | 34.76693 -118.167746 |
| CP_1992 PUB | DEPRESS | 43 | SQ_FT | 34.76571 -118.167639 |
| CP_1993 PUB | DEPRESS | 54 | SQ_FT | 34.7664 -118.167582 |
| CP_1994 PUB | DEPRESS | 42.00 | SQ_FT | 34.76711 -118.167449 |
| CP_1995 PUB | DEPRESS | 0.01 | ACRE | 34.76421 -118.167316 |
| CP_1996 PUB | DEPRESS | 6 | SQ_FT | 34.76603 -118.167293 |
| CP_1997 PUB | DEPRESS | 14 | SQ_FT | 34.76606 -118.167288 |
| CP_1998 PUB | DEPRESS | 4 | SQ_FT | 34.76605 -118.167267 |
| CP_1999 PUB | DEPRESS | 28 | SQ_FT | 34.76596 -118.167223 |
| CP_2000 PUB | DEPRESS | 6 | SQ_FT | 34.76585 -118.16706 |
| CP_2001 PUB | DEPRESS | 51 | SQ_FT | 34.76588 -118.167042 |
| CP_2002 PUB | DEPRESS | 54 | SQ_FT | 34.76431 -118.167025 |

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| CP_2003 PUB | DEPRESS | 391 | SQ_FT | 34.7666 | -118.167023 |
| CP_2004 PUB | DEPRESS | 21 | SQ_FT | 34.76506 | -118.166958 |
| CP_2005 PUB | DEPRESS | 450 | SQ_FT | 34.76429 | -118.166954 |
| CP_2006 PUB | DEPRESS | 17 | SQ_FT | 34.76505 | -118.166934 |
| CP_2007 PUB | DEPRESS | 61 | SQ_FT | 34.76517 | -118.166925 |
| CP_2008 PUB | DEPRESS | 26 | SQ_FT | 34.76635 | -118.166856 |
| CP_2009 PUB | DEPRESS | 92 | SQ_FT | 34.76557 | -118.166793 |
| CP_2010 PUB | DEPRESS | 134 | SQ_FT | 34.76659 | -118.166792 |
| CP_2011 PUB | DEPRESS | 16 | SQ_FT | 34.76655 | -118.166756 |
| CP_2012 PUB | DEPRESS | 54 | SQ_FT | 34.76654 | -118.166743 |
| CP_2013 PUB | DEPRESS | 25 | SQ_FT | 34.76608 | -118.166731 |
| CP_2014 PUB | DEPRESS | 42 | SQ_FT | 34.76573 | -118.166728 |
| CP_2015 PUB | DEPRESS | 177 | SQ_FT | 34.76399 | -118.166722 |
| CP_2016 PUB | DEPRESS | 108 | SQ_FT | 34.7665 | -118.166715 |
| CP_2017 PUB | DEPRESS | 51 | SQ_FT | 34.76616 | -118.166704 |
| CP_2018 PUB | DEPRESS | 394 | SQ_FT | 34.76453 | -118.1667 |
| CP_2019 PUB | DEPRESS | 5 | SQ_FT | 34.76516 | -118.1667 |
| CP_2020 PUB | DEPRESS | 68 | SQ_FT | 34.76525 | -118.166697 |
| CP_2021 PUB | DEPRESS | 15 | SQ_FT | 34.7643 | -118.166694 |
| CP_2022 PUB | DEPRESS | 101 | SQ_FT | 34.76481 | -118.166694 |
| CP_2023 PUB | DEPRESS | 34 | SQ_FT | 34.76393 | -118.166693 |
| CP_2024 PUB | DEPRESS | 216 | SQ_FT | 34.764 | -118.166687 |
| CP_2025 PUB | DEPRESS | 333 | SQ_FT | 34.76324 | -118.166687 |
| CP_2026 PUB | DEPRESS | 4 | SQ_FT | 34.76652 | -118.166671 |
| CP_2027 PUB | DEPRESS | 10 | SQ_FT | 34.76452 | -118.166653 |
| CP_2028 PUB | DEPRESS | 29 | SQ_FT | 34.76523 | -118.166433 |
| CP_2029 PUB | DEPRESS | 133 | SQ_FT | 34.76635 | -118.166364 |
| CP_2030 PUB | DEPRESS | 56 | SQ_FT | 34.7645 | -118.166318 |
| CP_2031 PUB | DEPRESS | 29 | SQ_FT | 34.76549 | -118.166188 |
| CP_2032 PUB | DEPRESS | 31 | SQ_FT | 34.76436 | -118.166185 |
| CP_2033 PUB | DEPRESS | 24 | SQ_FT | 34.76593 | -118.166181 |
| CP_2034 PUB | DEPRESS | 52 | SQ_FT | 34.76462 | -118.166154 |
| CP_2035 PUB | DEPRESS | 38 | SQ_FT | 34.76606 | -118.166152 |
| CP_2036 PUB | DEPRESS | 22 | SQ_FT | 34.76592 | -118.166149 |
| CP_2037 PUB | DEPRESS | 9 | SQ_FT | 34.76591 | -118.166113 |
| CP_2038 PUB | DEPRESS | 31 | SQ_FT | 34.76451 | -118.165973 |
| CP_2039 PUB | DEPRESS | 16 | SQ_FT | 34.76445 | -118.165899 |
| CP_2040 PUB | DEPRESS | 3 | SQ_FT | 34.76606 | -118.165855 |
| CP_2041 PUB | DEPRESS | 19 | SQ_FT | 34.766 | -118.165754 |
| CP_2042 PUB | DEPRESS | 21 | SQ_FT | 34.76542 | -118.165714 |
| CP_2043 PUB | DEPRESS | 17.00 | SQ_FT | 34.7662 | -118.165697 |
| CP_2044 PUB | DEPRESS | 0.02 | ACRE | 34.76451 | -118.165608 |
| CP_2045 PUB | DEPRESS | 79 | SQ_FT | 34.76551 | -118.165594 |
| CP_2046 PUB | DEPRESS | 75 | SQ_FT | 34.76605 | -118.16558 |
| CP_2047 PUB | DEPRESS | 11 | SQ_FT | 34.76567 | -118.165575 |
| CP_2048 PUB | DEPRESS | 15 | SQ_FT | 34.76534 | -118.16557 |
| CP_2049 PUB | DEPRESS | 181 | SQ_FT | 34.76594 | -118.165539 |
| CP_2050 PUB | DEPRESS | 33 | SQ_FT | 34.76402 | -118.165484 |
| CP_2051 PUB | DEPRESS | 4.00 | SQ_FT | 34.76393 | -118.165469 |
| CP_2052 PUB | DEPRESS | 0.14 | ACRE | 34.76579 | -118.165468 |
| CP_2053 PUB | DEPRESS | 18 | SQ_FT | 34.76604 | -118.1654 |
| CP_2054 PUB | DEPRESS | 15 | SQ_FT | 34.7645 | -118.16539 |
| CP_2055 PUB | DEPRESS | 87 | SQ_FT | 34.76636 | -118.165339 |
| CP_2056 PUB | DEPRESS | 15 | SQ_FT | 34.76606 | -118.165337 |
| CP_2057 PUB | DEPRESS | 22 | SQ_FT | 34.76477 | -118.1653 |
| CP_2058 PUB | DEPRESS | 14 | SQ_FT | 34.76618 | -118.165298 |
| CP_2059 PUB | DEPRESS | 141 | SQ_FT | 34.76484 | -118.165251 |
| CP_2060 PUB | DEPRESS | 20 | SQ_FT | 34.766 | -118.165246 |
| CP_2061 PUB | DEPRESS | 5 | SQ_FT | 34.76465 | -118.165221 |
| CP_2062 PUB | DEPRESS | 15 | SQ_FT | 34.76455 | -118.165205 |
| CP_2063 PUB | DEPRESS | 11 | SQ_FT | 34.76645 | -118.165181 |
| CP_2064 PUB | DEPRESS | 22 | SQ_FT | 34.76599 | -118.165172 |
| CP_2065 PUB | DEPRESS | 78 | SQ_FT | 34.76575 | -118.165166 |
| CP_2066 PUB | DEPRESS | 3 | SQ_FT | 34.76645 | -118.16514 |
| CP_2067 PUB | DEPRESS | 13 | SQ_FT | 34.76548 | -118.165079 |
| CP_2068 PUB | DEPRESS | 3 | SQ_FT | 34.76475 | -118.165064 |

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| CP_2069 PUB | DEPRESS | 56 | SQ_FT | 34.76547 -118.165043 |
| CP_2070 PUB | DEPRESS | 64 | SQ_FT | 34.76471 -118.165032 |
| CP_2071 PUB | DEPRESS | 117 | SQ_FT | 34.76459 -118.165025 |
| CP_2072 PUB | DEPRESS | 12 | SQ_FT | 34.76547 -118.164994 |
| CP_2073 PUB | DEPRESS | 9 | SQ_FT | 34.76462 -118.164945 |
| CP_2074 PUB | DEPRESS | 8 | SQ_FT | 34.76548 -118.164937 |
| CP_2075-001 | PUB DEPRESS | 3 | SQ_FT | 34.7646 -118.164932 |
| CP_2075-002 | PUB DEPRESS | 8 | SQ_FT | 34.7646 -118.164932 |
| CP_2076 PUB | DEPRESS | 12 | SQ_FT | 34.76545 -118.164913 |
| CP_2077 PUB | DEPRESS | 35 | SQ_FT | 34.76455 -118.164899 |
| CP_2078 PUB | DEPRESS | 46 | SQ_FT | 34.76459 -118.164899 |
| CP_2079 PUB | DEPRESS | 8 | SQ_FT | 34.76456 -118.164861 |
| CP_2080 PUB | DEPRESS | 80 | SQ_FT | 34.76454 -118.164835 |
| CP_2081 PUB | DEPRESS | 4 | SQ_FT | 34.76457 -118.164806 |
| CP_2082 PUB | DEPRESS | 101 | SQ_FT | 34.76473 -118.16479 |
| CP_2083 PUB | DEPRESS | 31 | SQ_FT | 34.7666 -118.164753 |
| CP_2084 PUB | DEPRESS | 13 | SQ_FT | 34.7654 -118.164729 |
| CP_2085 PUB | DEPRESS | 26 | SQ_FT | 34.76528 -118.164727 |
| CP_2086 PUB | DEPRESS | 28 | SQ_FT | 34.76656 -118.164721 |
| CP_2087 PUB | DEPRESS | 11 | SQ_FT | 34.76658 -118.164704 |
| CP_2088 PUB | DEPRESS | 7 | SQ_FT | 34.76657 -118.164701 |
| CP_2089 PUB | DEPRESS | 15 | SQ_FT | 34.76473 -118.164692 |
| CP_2090 PUB | DEPRESS | 20 | SQ_FT | 34.76438 -118.164656 |
| CP_2091 PUB | DEPRESS | 30 | SQ_FT | 34.76441 -118.164602 |
| CP_2092 PUB | DEPRESS | 18 | SQ_FT | 34.76637 -118.164593 |
| CP_2093 PUB | DEPRESS | 37 | SQ_FT | 34.76418 -118.164569 |
| CP_2094 PUB | DEPRESS | 19 | SQ_FT | 34.76441 -118.164484 |
| CP_2095 PUB | DEPRESS | 11 | SQ_FT | 34.7644 -118.164464 |
| CP_2096 PUB | DEPRESS | 59 | SQ_FT | 34.76438 -118.164414 |
| CP_2097 PUB | DEPRESS | 45 | SQ_FT | 34.7646 -118.164248 |
| CP_2098 PUB | DEPRESS | 5 | SQ_FT | 34.76625 -118.164223 |
| CP_2099 PUB | DEPRESS | 51 | SQ_FT | 34.7652 -118.164136 |
| CP_2100 PUB | DEPRESS | 41 | SQ_FT | 34.76456 -118.164133 |
| CP_2101 PUB | DEPRESS | 80 | SQ_FT | 34.7645 -118.164102 |
| CP_2102 PUB | DEPRESS | 21 | SQ_FT | 34.76586 -118.16406 |
| CP_2103 PUB | DEPRESS | 14 | SQ_FT | 34.76586 -118.164029 |
| CP_2104 PUB | DEPRESS | 155 | SQ_FT | 34.76455 -118.163999 |
| CP_2105 PUB | DEPRESS | 20 | SQ_FT | 34.76418 -118.163984 |
| CP_2106 PUB | DEPRESS | 112 | SQ_FT | 34.76539 -118.163974 |
| CP_2107 PUB | DEPRESS | 8 | SQ_FT | 34.76554 -118.163892 |
| CP_2108 PUB | DEPRESS | 49 | SQ_FT | 34.7641 -118.163866 |
| CP_2109 PUB | DEPRESS | 45 | SQ_FT | 34.76555 -118.163845 |
| CP_2110 PUB | DEPRESS | 19 | SQ_FT | 34.76434 -118.163781 |
| CP_2111 PUB | DEPRESS | 12 | SQ_FT | 34.76389 -118.16375 |
| CP_2112 PUB | DEPRESS | 44 | SQ_FT | 34.76426 -118.163598 |
| CP_2113 PUB | DEPRESS | 4 | SQ_FT | 34.76426 -118.163542 |
| CP_2114 PUB | DEPRESS | 71 | SQ_FT | 34.76423 -118.163508 |
| CP_2115 PUB | DEPRESS | 10 | SQ_FT | 34.76421 -118.163454 |
| CP_2116 PUB | DEPRESS | 29 | SQ_FT | 34.76423 -118.163432 |
| CP_2117 PUB | DEPRESS | 54 | SQ_FT | 34.76408 -118.163423 |
| CP_2118 PUB | DEPRESS | 9 | SQ_FT | 34.76394 -118.163402 |
| CP_2119 PUB | DEPRESS | 3 | SQ_FT | 34.76342 -118.163398 |
| CP_2120 PUB | DEPRESS | 13 | SQ_FT | 34.76343 -118.16336 |
| CP_2121 PUB | DEPRESS | 12 | SQ_FT | 34.76309 -118.163355 |
| CP_2122 PUB | DEPRESS | 7 | SQ_FT | 34.76351 -118.163329 |
| CP_2123 PUB | DEPRESS | 66 | SQ_FT | 34.76392 -118.163318 |
| CP_2124 PUB | DEPRESS | 10 | SQ_FT | 34.76403 -118.16327 |
| CP_2125 PUB | DEPRESS | 76 | SQ_FT | 34.76392 -118.163256 |
| CP_2126 PUB | DEPRESS | 57 | SQ_FT | 34.76403 -118.163219 |
| CP_2127 PUB | DEPRESS | 9 | SQ_FT | 34.76393 -118.163175 |
| CP_2128 PUB | DEPRESS | 13 | SQ_FT | 34.764 -118.163142 |
| CP_2129 PUB | DEPRESS | 15 | SQ_FT | 34.76347 -118.163142 |
| CP_2130 PUB | DEPRESS | 8 | SQ_FT | 34.76368 -118.163127 |
| CP_2131 PUB | DEPRESS | 7 | SQ_FT | 34.76395 -118.163014 |
| CP_2132 PUB | DEPRESS | 39 | SQ_FT | 34.76404 -118.162979 |
| CP_2133 PUB | DEPRESS | 14 | SQ_FT | 34.76394 -118.162949 |

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| CP_2134 PUB | DEPRESS | 8 | SQ_FT | 34.76372 -118.162929 |
| CP_2135 PUB | DEPRESS | 7 | SQ_FT | 34.76351 -118.162875 |
| CP_2136 PUB | DEPRESS | 5 | SQ_FT | 34.76338 -118.162874 |
| CP_2137 PUB | DEPRESS | 11 | SQ_FT | 34.76396 -118.162857 |
| CP_2138 PUB | DEPRESS | 35 | SQ_FT | 34.76399 -118.162825 |
| CP_2139 PUB | DEPRESS | 22 | SQ_FT | 34.76393 -118.162687 |
| CP_2140 PUB | DEPRESS | 174 | SQ_FT | 34.76397 -118.162675 |
| CP_2141 PUB | DEPRESS | 9 | SQ_FT | 34.76226 -118.162328 |
| CP_2142 PUB | DEPRESS | 3 | SQ_FT | 34.76225 -118.162303 |
| CP_2143 PUB | DEPRESS | 23 | SQ_FT | 34.7623 -118.162237 |
| CP_2144 PUB | DEPRESS | 19 | SQ_FT | 34.76158 -118.162229 |
| CP_2145 PUB | DEPRESS | 28 | SQ_FT | 34.76156 -118.162199 |
| CP_2146 PUB | DEPRESS | 50 | SQ_FT | 34.7594 -118.161941 |
| CP_2147 PUB | DEPRESS | 4 | SQ_FT | 34.75945 -118.16189 |
| CP_2148 PUB | DEPRESS | 6 | SQ_FT | 34.75951 -118.161887 |
| CP_2149-001 | PUB DEPRESS | 4 | SQ_FT | 34.75946 -118.161877 |
| CP_2149-002 | PUB DEPRESS | 16 | SQ_FT | 34.75946 -118.161877 |
| CP_2150 PUB | DEPRESS | 139 | SQ_FT | 34.75936 -118.161676 |
| CP_2151 PUB | DEPRESS | 36 | SQ_FT | 34.76201 -118.161543 |
| CP_2152 PUB | DEPRESS | 16 | SQ_FT | 34.76199 -118.161497 |
| CP_2153 PUB | DEPRESS | 16 | SQ_FT | 34.762 -118.161476 |
| CP_2154 PUB | DEPRESS | 35 | SQ_FT | 34.76201 -118.161456 |
| CP_2155 PUB | DEPRESS | 16 | SQ_FT | 34.76184 -118.161419 |
| CP_2156 PUB | DEPRESS | 73 | SQ_FT | 34.76082 -118.160541 |
| CP_2157 PUB | DEPRESS | 5 | SQ_FT | 34.75874 -118.163194 |
| CP_2158 PUB | DEPRESS | 12 | SQ_FT | 34.75827 -118.162192 |
| CP_2159 PUB | DEPRESS | 38 | SQ_FT | 34.75832 -118.162189 |
| CP_2160 PUB | DEPRESS | 21 | SQ_FT | 34.75838 -118.162184 |
| CP_2161 PUB | DEPRESS | 19 | SQ_FT | 34.75849 -118.162182 |
| CP_2162 PUB | DEPRESS | 17 | SQ_FT | 34.75914 -118.161663 |
| CP_2163 PUB | DEPRESS | 28 | SQ_FT | 34.75877 -118.160973 |
| CP_2164 PUB | DEPRESS | 19 | SQ_FT | 34.75876 -118.160964 |
| CP_2165 PUB | DEPRESS | 4 | SQ_FT | 34.75683 -118.160842 |
| CP_2166 PUB | DEPRESS | 15 | SQ_FT | 34.75591 -118.160068 |
| CP_2167 PUB | DEPRESS | 10 | SQ_FT | 34.75572 -118.159428 |
| CP_2168 PUB | DEPRESS | 21 | SQ_FT | 34.75809 -118.159284 |
| CP_2169 PUB | DEPRESS | 26 | SQ_FT | 34.75747 -118.158309 |
| CP_2170 PUB | DEPRESS | 65 | SQ_FT | 34.75495 -118.157753 |
| CP_2171 PUB | DEPRESS | 70 | SQ_FT | 34.75467 -118.157746 |
| CP_2172 PUB | DEPRESS | 47 | SQ_FT | 34.75682 -118.157741 |
| CP_2173-001 | PUB DEPRESS | 47 | SQ_FT | 34.75521 -118.157451 |
| CP_2173-002 | PUB DEPRESS | 32 | SQ_FT | 34.75521 -118.157451 |
| CP_2174 PUB | DEPRESS | 3 | SQ_FT | 34.75537 -118.157321 |
| CP_2175 PUB | DEPRESS | 25 | SQ_FT | 34.75522 -118.157169 |
| CP_2176 PUB | DEPRESS | 11 | SQ_FT | 34.75258 -118.156001 |
| CP_2177 PUB | DEPRESS | 19 | SQ_FT | 34.75312 -118.155989 |
| CP_2178-001 | PUB DEPRESS | 28 | SQ_FT | 34.75288 -118.155801 |
| CP_2178-002 | PUB DEPRESS | 55 | SQ_FT | 34.75288 -118.155801 |
| CP_2179 PUB | DEPRESS | 75 | SQ_FT | 34.75164 -118.155078 |
| CP_2180 PUB | DEPRESS | 39 | SQ_FT | 34.75124 -118.156234 |
| CP_2181 PUB | DEPRESS | 29 | SQ_FT | 34.75062 -118.15495 |
| CP_2182-001 | PUB DEPRESS | 46 | SQ_FT | 34.75052 -118.154944 |
| CP_2182-002 | PUB DEPRESS | 5 | SQ_FT | 34.75052 -118.154944 |
| CP_2183 PUB | DEPRESS | 75 | SQ_FT | 34.75016 -118.154933 |
| CP_2184 PUB | DEPRESS | 52 | SQ_FT | 34.74943 -118.154885 |
| CP_2185 PUB | DEPRESS | 42 | SQ_FT | 34.74938 -118.15487 |
| CP_2186 PUB | DEPRESS | 70 | SQ_FT | 34.74923 -118.154867 |
| CP_2187 PUB | DEPRESS | 12 | SQ_FT | 34.74934 -118.154867 |
| CP_2188 PUB | DEPRESS | 6 | SQ_FT | 34.74931 -118.154865 |
| CP_2189 PUB | DEPRESS | 25 | SQ_FT | 34.74914 -118.154863 |
| CP_2190 PUB | DEPRESS | 19 | SQ_FT | 34.74876 -118.154851 |
| CP_2191 PUB | DEPRESS | 70 | SQ_FT | 34.74856 -118.154836 |
| CP_2192 PUB | DEPRESS | 8 | SQ_FT | 34.74834 -118.15483 |
| CP_2193 PUB | DEPRESS | 15 | SQ_FT | 34.74752 -118.154361 |
| CP_2194 PUB | DEPRESS | 15 | SQ_FT | 34.74685 -118.153664 |
| CP_2195 PUB | DEPRESS | 19.00 | SQ_FT | 34.74593 -118.153405 |

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| CP_2196 PUB | DEPRESS | 0.02 | ACRE | 34.74799 | -118.153161 |
| CP_2197 PUB | DEPRESS | 28 | SQ_FT | 34.7461 | -118.153131 |
| CP_2198 PUB | DEPRESS | 41 | SQ_FT | 34.75024 | -118.153128 |
| CP_2199 PUB | DEPRESS | 18 | SQ_FT | 34.74977 | -118.153114 |
| CP_2200 PUB | DEPRESS | 24 | SQ_FT | 34.74719 | -118.153099 |
| CP_2201 PUB | DEPRESS | 106 | SQ_FT | 34.74869 | -118.153099 |
| CP_2202 PUB | DEPRESS | 16 | SQ_FT | 34.74983 | -118.153097 |
| CP_2203 PUB | DEPRESS | 5 | SQ_FT | 34.74978 | -118.153094 |
| CP_2204 PUB | DEPRESS | 18 | SQ_FT | 34.74862 | -118.153091 |
| CP_2205 PUB | DEPRESS | 437 | SQ_FT | 34.7481 | -118.153076 |
| CP_2206 PUB | DEPRESS | 12 | SQ_FT | 34.74719 | -118.153059 |
| CP_2207 PUB | DEPRESS | 7 | SQ_FT | 34.74533 | -118.15303 |
| CP_2208 PUB | DEPRESS | 45 | SQ_FT | 34.74716 | -118.153021 |
| CP_2209 PUB | DEPRESS | 187 | SQ_FT | 34.74723 | -118.153006 |
| CP_2210 PUB | DEPRESS | 6 | SQ_FT | 34.7453 | -118.153004 |
| CP_2211 PUB | DEPRESS | 15 | SQ_FT | 34.7465 | -118.152983 |
| CP_2212 PUB | DEPRESS | 67 | SQ_FT | 34.74714 | -118.152952 |
| CP_2213 PUB | DEPRESS | 18 | SQ_FT | 34.74528 | -118.152916 |
| CP_2214 PUB | DEPRESS | 8 | SQ_FT | 34.74726 | -118.152898 |
| CP_2215 PUB | DEPRESS | 4 | SQ_FT | 34.74528 | -118.152894 |
| CP_2216 PUB | DEPRESS | 53 | SQ_FT | 34.74542 | -118.152862 |
| CP_2217-001 | PUB DEPRESS | 107 | SQ_FT | 34.74574 | -118.153253 |
| CP_2217-002 | PUB DEPRESS | 1 | SQ_FT | 34.74574 | -118.153253 |
| CP_2217-003 | PUB DEPRESS | 382.00 | SQ_FT | 34.74585 | -118.152856 |
| CP_2217-004 | PUB DEPRESS | 0.02 | ACRE | 34.74585 | -118.152856 |
| CP_2217-005 | PUB DEPRESS | 2 | SQ_FT | 34.74585 | -118.152856 |
| CP_2217-006 | PUB DEPRESS | 326 | SQ_FT | 34.74585 | -118.152856 |
| CP_2217-007 | PUB DEPRESS | 26.00 | SQ_FT | 34.74585 | -118.152856 |
| CP_2218 PUB | DEPRESS | 0.06 | ACRE | 34.74691 | -118.152742 |
| CP_2219 PUB | DEPRESS | 15 | SQ_FT | 34.74962 | -118.15271 |
| CP_2220 PUB | DEPRESS | 40 | SQ_FT | 34.74607 | -118.152695 |
| CP_2221 PUB | DEPRESS | 90 | SQ_FT | 34.74728 | -118.152585 |
| CP_2222 PUB | DEPRESS | 2 | SQ_FT | 34.7478 | -118.152538 |
| CP_2223 PUB | DEPRESS | 5 | SQ_FT | 34.74779 | -118.152512 |
| CP_2224 PUB | DEPRESS | 51 | SQ_FT | 34.74627 | -118.152458 |
| CP_2225 PUB | DEPRESS | 12 | SQ_FT | 34.74779 | -118.15245 |
| CP_2226 PUB | DEPRESS | 10 | SQ_FT | 34.74588 | -118.152436 |
| CP_2227 PUB | DEPRESS | 4 | SQ_FT | 34.74723 | -118.152401 |
| CP_2228 PUB | DEPRESS | 66.00 | SQ_FT | 34.74735 | -118.152394 |
| CP_2229 PUB | DEPRESS | 0.01 | ACRE | 34.748 | -118.152371 |
| CP_2230 PUB | DEPRESS | 14 | SQ_FT | 34.74739 | -118.152357 |
| CP_2231 PUB | DEPRESS | 54 | SQ_FT | 34.74613 | -118.152334 |
| CP_2232 PUB | DEPRESS | 10 | SQ_FT | 34.74515 | -118.152315 |
| CP_2233 PUB | DEPRESS | 47 | SQ_FT | 34.74743 | -118.152314 |
| CP_2234 PUB | DEPRESS | 2 | SQ_FT | 34.74717 | -118.152303 |
| CP_2235 PUB | DEPRESS | 3 | SQ_FT | 34.74715 | -118.152276 |
| CP_2236 PUB | DEPRESS | 4 | SQ_FT | 34.74721 | -118.15227 |
| CP_2237 PUB | DEPRESS | 9 | SQ_FT | 34.74719 | -118.152223 |
| CP_2238-001 | PUB DEPRESS | 2 | SQ_FT | 34.74913 | -118.152156 |
| CP_2238-002 | PUB DEPRESS | 338.00 | SQ_FT | 34.74913 | -118.152156 |
| CP_2238-003 | PUB DEPRESS | 0.01 | ACRE | 34.74913 | -118.152156 |
| CP_2238-004 | PUB DEPRESS | 210 | SQ_FT | 34.74913 | -118.152156 |
| CP_2239 PUB | DEPRESS | 42 | SQ_FT | 34.74901 | -118.152167 |
| CP_2240 PUB | DEPRESS | 7.00 | SQ_FT | 34.74774 | -118.152156 |
| CP_2241 PUB | DEPRESS | 0.26 | ACRE | 34.7477 | -118.15215 |
| CP_2242 PUB | DEPRESS | 3 | SQ_FT | 34.74718 | -118.15213 |
| CP_2243 PUB | DEPRESS | 216 | SQ_FT | 34.74799 | -118.152074 |
| CP_2244-001 | PUB DEPRESS | 62 | SQ_FT | 34.74826 | -118.15201 |
| CP_2244-002 | PUB DEPRESS | 2 | SQ_FT | 34.74826 | -118.15201 |
| CP_2244-003 | PUB DEPRESS | 7 | SQ_FT | 34.74826 | -118.15201 |
| CP_2244-004 | PUB DEPRESS | 95.0 | SQ_FT | 34.74826 | -118.15201 |
| CP_2244-005 | PUB DEPRESS | 0.1 | SQ_FT | 34.74826 | -118.15201 |
| CP_2245 PUB | DEPRESS | 30 | SQ_FT | 34.74387 | -118.151951 |
| CP_2246 PUB | DEPRESS | 36 | SQ_FT | 34.74569 | -118.151933 |
| CP_2247 PUB | DEPRESS | 41 | SQ_FT | 34.74778 | -118.151915 |
| CP_2248 PUB | DEPRESS | 48 | SQ_FT | 34.74552 | -118.151877 |

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| CP_2249 PUB | DEPRESS | 255 | SQ_FT | 34.74612 -118.151768 |
| CP_2250 PUB | DEPRESS | 17 | SQ_FT | 34.74761 -118.151721 |
| CP_2251 PUB | DEPRESS | 15 | SQ_FT | 34.74895 -118.151613 |
| CP_2252 PUB | DEPRESS | 16 | SQ_FT | 34.74828 -118.151592 |
| CP_2253 PUB | DEPRESS | 58 | SQ_FT | 34.74834 -118.151535 |
| CP_2254-001 | PUB DEPRESS | 17 | SQ_FT | 34.7493 -118.151492 |
| CP_2254-002 | PUB DEPRESS | 1 | SQ_FT | 34.7493 -118.151492 |
| CP_2255 PUB | DEPRESS | 24 | SQ_FT | 34.74576 -118.151491 |
| CP_2256 PUB | DEPRESS | 17 | SQ_FT | 34.74574 -118.151477 |
| CP_2257-001 | PUB DEPRESS | 41 | SQ_FT | 34.74455 -118.151446 |
| CP_2257-002 | PUB DEPRESS | 21 | SQ_FT | 34.74455 -118.151446 |
| CP_2258 PUB | DEPRESS | 5 | SQ_FT | 34.74574 -118.151426 |
| CP_2259 PUB | DEPRESS | 13 | SQ_FT | 34.74575 -118.151401 |
| CP_2260 PUB | DEPRESS | 19 | SQ_FT | 34.74826 -118.1514 |
| CP_2261-001 | PUB DEPRESS | 7 | SQ_FT | 34.74655 -118.151348 |
| CP_2261-002 | PUB DEPRESS | 1 | SQ_FT | 34.74655 -118.151348 |
| CP_2261-003 | PUB DEPRESS | 99 | SQ_FT | 34.74655 -118.151348 |
| CP_2261-004 | PUB DEPRESS | 31 | SQ_FT | 34.74655 -118.151348 |
| CP_2261-005 | PUB DEPRESS | 121 | SQ_FT | 34.74655 -118.151348 |
| CP_2261-006 | PUB DEPRESS | 1 | SQ_FT | 34.74655 -118.151348 |
| CP_2261-007 | PUB DEPRESS | 67 | SQ_FT | 34.74655 -118.151348 |
| CP_2261-008 | PUB DEPRESS | 291 | SQ_FT | 34.74655 -118.151348 |
| CP_2262 PUB | DEPRESS | 82 | SQ_FT | 34.74459 -118.151265 |
| CP_2263 PUB | DEPRESS | 235 | SQ_FT | 34.74401 -118.151215 |
| CP_2264 PUB | DEPRESS | 56 | SQ_FT | 34.74402 -118.151172 |
| CP_2265 PUB | DEPRESS | 25 | SQ_FT | 34.74397 -118.151163 |
| CP_2266 PUB | DEPRESS | 9 | SQ_FT | 34.74811 -118.151157 |
| CP_2267 PUB | DEPRESS | 5.00 | SQ_FT | 34.74425 -118.151134 |
| CP_2268 PUB | DEPRESS | 0.03 | ACRE | 34.748 -118.151053 |
| CP_2269 PUB | DEPRESS | 16 | SQ_FT | 34.744 -118.150964 |
| CP_2270 PUB | DEPRESS | 22 | SQ_FT | 34.74834 -118.150941 |
| CP_2271 PUB | DEPRESS | 111 | SQ_FT | 34.74362 -118.150871 |
| CP_2272 PUB | DEPRESS | 31 | SQ_FT | 34.7436 -118.150845 |
| CP_2273 PUB | DEPRESS | 27 | SQ_FT | 34.74353 -118.150821 |
| CP_2274 PUB | DEPRESS | 18 | SQ_FT | 34.7444 -118.150793 |
| CP_2275-001 | PUB DEPRESS | 89 | SQ_FT | 34.7474 -118.150708 |
| CP_2275-002 | PUB DEPRESS | 7 | SQ_FT | 34.7474 -118.150708 |
| CP_2275-003 | PUB DEPRESS | 18 | SQ_FT | 34.7474 -118.150708 |
| CP_2275-004 | PUB DEPRESS | 56 | SQ_FT | 34.7474 -118.150708 |
| CP_2275-005 | PUB DEPRESS | 170.00 | SQ_FT | 34.7474 -118.150708 |
| CP_2275-006 | PUB DEPRESS | 0.03 | ACRE | 34.7474 -118.150708 |
| CP_2276 PUB | DEPRESS | 127 | SQ_FT | 34.74355 -118.150699 |
| CP_2277 PUB | DEPRESS | 3 | SQ_FT | 34.74711 -118.150687 |
| CP_2278 PUB | DEPRESS | 281 | SQ_FT | 34.74344 -118.150679 |
| CP_2279 PUB | DEPRESS | 30 | SQ_FT | 34.7436 -118.150558 |
| CP_2280 PUB | DEPRESS | 9 | SQ_FT | 34.74364 -118.150552 |
| CP_2281 PUB | DEPRESS | 215 | SQ_FT | 34.74716 -118.150545 |
| CP_2282 PUB | DEPRESS | 16 | SQ_FT | 34.74482 -118.150533 |
| CP_2283 PUB | DEPRESS | 9 | SQ_FT | 34.74474 -118.150442 |
| CP_2284 PUB | DEPRESS | 200 | SQ_FT | 34.74493 -118.150437 |
| CP_2285 PUB | DEPRESS | 4 | SQ_FT | 34.74697 -118.150384 |
| CP_2286 PUB | DEPRESS | 105 | SQ_FT | 34.74725 -118.150378 |
| CP_2287 PUB | DEPRESS | 3 | SQ_FT | 34.74505 -118.150374 |
| CP_2288 PUB | DEPRESS | 11 | SQ_FT | 34.74497 -118.150364 |
| CP_2289 PUB | DEPRESS | 455 | SQ_FT | 34.74638 -118.150322 |
| CP_2290 PUB | DEPRESS | 14 | SQ_FT | 34.74702 -118.150277 |
| CP_2291 PUB | DEPRESS | 77 | SQ_FT | 34.74556 -118.150226 |
| CP_2292 PUB | DEPRESS | 9 | SQ_FT | 34.74426 -118.150219 |
| CP_2293 PUB | DEPRESS | 49 | SQ_FT | 34.74371 -118.150216 |
| CP_2294 PUB | DEPRESS | 116 | SQ_FT | 34.74362 -118.150215 |
| CP_2295 PUB | DEPRESS | 24 | SQ_FT | 34.74365 -118.150194 |
| CP_2296 PUB | DEPRESS | 22 | SQ_FT | 34.74685 -118.150194 |
| CP_2297 PUB | DEPRESS | 140 | SQ_FT | 34.74555 -118.150182 |
| CP_2298 PUB | DEPRESS | 10 | SQ_FT | 34.7456 -118.150167 |
| CP_2299 PUB | DEPRESS | 10 | SQ_FT | 34.7445 -118.150163 |
| CP_2300 PUB | DEPRESS | 22 | SQ_FT | 34.74359 -118.150162 |

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| CP_2301 PUB | DEPRESS | 150 | SQ_FT | 34.74538 -118.150155 |
| CP_2302 PUB | DEPRESS | 21 | SQ_FT | 34.7451 -118.150134 |
| CP_2303 PUB | DEPRESS | 32 | SQ_FT | 34.74367 -118.15012 |
| CP_2304 PUB | DEPRESS | 88 | SQ_FT | 34.74684 -118.150114 |
| CP_2305 PUB | DEPRESS | 71 | SQ_FT | 34.74449 -118.150113 |
| CP_2306 PUB | DEPRESS | 6 | SQ_FT | 34.74422 -118.150104 |
| CP_2307 PUB | DEPRESS | 5 | SQ_FT | 34.74543 -118.150086 |
| CP_2308 PUB | DEPRESS | 51 | SQ_FT | 34.7438 -118.150081 |
| CP_2309 PUB | DEPRESS | 11 | SQ_FT | 34.74535 -118.150073 |
| CP_2310 PUB | DEPRESS | 16 | SQ_FT | 34.7442 -118.150072 |
| CP_2311 PUB | DEPRESS | 12 | SQ_FT | 34.74377 -118.15007 |
| CP_2312 PUB | DEPRESS | 37 | SQ_FT | 34.74552 -118.150067 |
| CP_2313 PUB | DEPRESS | 81 | SQ_FT | 34.74385 -118.150053 |
| CP_2314 PUB | DEPRESS | 8 | SQ_FT | 34.74454 -118.150044 |
| CP_2315 PUB | DEPRESS | 19 | SQ_FT | 34.74478 -118.150037 |
| CP_2316 PUB | DEPRESS | 44 | SQ_FT | 34.74472 -118.150031 |
| CP_2317 PUB | DEPRESS | 14 | SQ_FT | 34.74532 -118.150027 |
| CP_2318 PUB | DEPRESS | 27 | SQ_FT | 34.74394 -118.150006 |
| CP_2319 PUB | DEPRESS | 22 | SQ_FT | 34.74513 -118.149999 |
| CP_2320 PUB | DEPRESS | 17 | SQ_FT | 34.74504 -118.149994 |
| CP_2321 PUB | DEPRESS | 32 | SQ_FT | 34.74396 -118.149992 |
| CP_2322 PUB | DEPRESS | 19 | SQ_FT | 34.74389 -118.149974 |
| CP_2323 PUB | DEPRESS | 14 | SQ_FT | 34.74515 -118.149974 |
| CP_2324 PUB | DEPRESS | 29 | SQ_FT | 34.74453 -118.14997 |
| CP_2325 PUB | DEPRESS | 15 | SQ_FT | 34.74406 -118.149967 |
| CP_2326 PUB | DEPRESS | 43 | SQ_FT | 34.74375 -118.149965 |
| CP_2327 PUB | DEPRESS | 13 | SQ_FT | 34.74401 -118.14996 |
| CP_2328 PUB | DEPRESS | 15 | SQ_FT | 34.74503 -118.149955 |
| CP_2329 PUB | DEPRESS | 41 | SQ_FT | 34.74382 -118.149947 |
| CP_2330 PUB | DEPRESS | 15 | SQ_FT | 34.74481 -118.149934 |
| CP_2331 PUB | DEPRESS | 16 | SQ_FT | 34.74502 -118.149928 |
| CP_2332 PUB | DEPRESS | 6 | SQ_FT | 34.74465 -118.149928 |
| CP_2333 PUB | DEPRESS | 15 | SQ_FT | 34.7445 -118.149924 |
| CP_2334 PUB | DEPRESS | 178 | SQ_FT | 34.74343 -118.149918 |
| CP_2335 PUB | DEPRESS | 24 | SQ_FT | 34.74458 -118.149907 |
| CP_2336 PUB | DEPRESS | 19 | SQ_FT | 34.74441 -118.149892 |
| CP_2337 PUB | DEPRESS | 25 | SQ_FT | 34.74437 -118.149881 |
| CP_2338 PUB | DEPRESS | 25 | SQ_FT | 34.74628 -118.149879 |
| CP_2339 PUB | DEPRESS | 15 | SQ_FT | 34.74433 -118.149878 |
| CP_2340 PUB | DEPRESS | 13 | SQ_FT | 34.74504 -118.149864 |
| CP_2341 PUB | DEPRESS | 8 | SQ_FT | 34.74428 -118.149863 |
| CP_2342 PUB | DEPRESS | 29 | SQ_FT | 34.7465 -118.149861 |
| CP_2343 PUB | DEPRESS | 11 | SQ_FT | 34.74486 -118.14986 |
| CP_2344 PUB | DEPRESS | 8 | SQ_FT | 34.74455 -118.149859 |
| CP_2345 PUB | DEPRESS | 26 | SQ_FT | 34.7441 -118.149857 |
| CP_2346 PUB | DEPRESS | 25 | SQ_FT | 34.74529 -118.14985 |
| CP_2347 PUB | DEPRESS | 111 | SQ_FT | 34.74349 -118.149842 |
| CP_2348 PUB | DEPRESS | 14 | SQ_FT | 34.74413 -118.149841 |
| CP_2349 PUB | DEPRESS | 13 | SQ_FT | 34.74419 -118.149835 |
| CP_2350 PUB | DEPRESS | 103 | SQ_FT | 34.74537 -118.149826 |
| CP_2351 PUB | DEPRESS | 13 | SQ_FT | 34.74366 -118.149823 |
| CP_2352 PUB | DEPRESS | 36 | SQ_FT | 34.74557 -118.149802 |
| CP_2353-001 | PUB DEPRESS | 193 | SQ_FT | 34.74453 -118.149798 |
| CP_2353-002 | PUB DEPRESS | 84 | SQ_FT | 34.74453 -118.149798 |
| CP_2354 PUB | DEPRESS | 7 | SQ_FT | 34.74554 -118.149785 |
| CP_2355 PUB | DEPRESS | 16 | SQ_FT | 34.7446 -118.149779 |
| CP_2356 PUB | DEPRESS | 151 | SQ_FT | 34.74355 -118.149777 |
| CP_2357 PUB | DEPRESS | 18 | SQ_FT | 34.74577 -118.149763 |
| CP_2358 PUB | DEPRESS | 108 | SQ_FT | 34.74372 -118.14976 |
| CP_2359 PUB | DEPRESS | 48 | SQ_FT | 34.74376 -118.149752 |
| CP_2360 PUB | DEPRESS | 47 | SQ_FT | 34.74562 -118.149745 |
| CP_2361 PUB | DEPRESS | 57 | SQ_FT | 34.74526 -118.149727 |
| CP_2362 PUB | DEPRESS | 23 | SQ_FT | 34.74508 -118.149718 |
| CP_2363 PUB | DEPRESS | 22 | SQ_FT | 34.74449 -118.149698 |
| CP_2364 PUB | DEPRESS | 72 | SQ_FT | 34.74569 -118.149693 |
| CP_2365 PUB | DEPRESS | 9 | SQ_FT | 34.74461 -118.149691 |

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|-------------|-------------|-------|-------|----------|-------------|
| CP_2366 PUB | DEPRESS | 11.00 | SQ_FT | 34.746 | -118.14968 |
| CP_2367 PUB | DEPRESS | 0.08 | ACRE | 34.74387 | -118.149678 |
| CP_2368 PUB | DEPRESS | 438 | SQ_FT | 34.74425 | -118.149676 |
| CP_2369 PUB | DEPRESS | 22 | SQ_FT | 34.74518 | -118.149673 |
| CP_2370 PUB | DEPRESS | 48 | SQ_FT | 34.74504 | -118.149668 |
| CP_2371 PUB | DEPRESS | 47 | SQ_FT | 34.74431 | -118.149657 |
| CP_2372 PUB | DEPRESS | 27 | SQ_FT | 34.744 | -118.149657 |
| CP_2373 PUB | DEPRESS | 6 | SQ_FT | 34.74423 | -118.149654 |
| CP_2374 PUB | DEPRESS | 177 | SQ_FT | 34.74545 | -118.149651 |
| CP_2375 PUB | DEPRESS | 5 | SQ_FT | 34.74449 | -118.149649 |
| CP_2376 PUB | DEPRESS | 15 | SQ_FT | 34.74481 | -118.149635 |
| CP_2377 PUB | DEPRESS | 10 | SQ_FT | 34.74484 | -118.149632 |
| CP_2378 PUB | DEPRESS | 28 | SQ_FT | 34.74464 | -118.149627 |
| CP_2379 PUB | DEPRESS | 14 | SQ_FT | 34.7443 | -118.149626 |
| CP_2380 PUB | DEPRESS | 8 | SQ_FT | 34.7444 | -118.14962 |
| CP_2381 PUB | DEPRESS | 16 | SQ_FT | 34.74467 | -118.149617 |
| CP_2382 PUB | DEPRESS | 14 | SQ_FT | 34.74475 | -118.149615 |
| CP_2383 PUB | DEPRESS | 22 | SQ_FT | 34.74576 | -118.149615 |
| CP_2384 PUB | DEPRESS | 17 | SQ_FT | 34.74431 | -118.149601 |
| CP_2385 PUB | DEPRESS | 28 | SQ_FT | 34.74392 | -118.149601 |
| CP_2386 PUB | DEPRESS | 97 | SQ_FT | 34.74574 | -118.149592 |
| CP_2387 PUB | DEPRESS | 43 | SQ_FT | 34.74396 | -118.149582 |
| CP_2388 PUB | DEPRESS | 84 | SQ_FT | 34.74581 | -118.149578 |
| CP_2389-001 | PUB DEPRESS | 64.00 | SQ_FT | 34.7437 | -118.149555 |
| CP_2389-002 | PUB DEPRESS | 0.03 | ACRE | 34.7437 | -118.149555 |
| CP_2390 PUB | DEPRESS | 22 | SQ_FT | 34.74498 | -118.149547 |
| CP_2391 PUB | DEPRESS | 43 | SQ_FT | 34.74352 | -118.149538 |
| CP_2392 PUB | DEPRESS | 45 | SQ_FT | 34.74528 | -118.149523 |
| CP_2393 PUB | DEPRESS | 31 | SQ_FT | 34.74505 | -118.149506 |
| CP_2394 PUB | DEPRESS | 27 | SQ_FT | 34.74379 | -118.149498 |
| CP_2395 PUB | DEPRESS | 23 | SQ_FT | 34.74427 | -118.149487 |
| CP_2396 PUB | DEPRESS | 3 | SQ_FT | 34.7438 | -118.149483 |
| CP_2397 PUB | DEPRESS | 20 | SQ_FT | 34.74527 | -118.14948 |
| CP_2398 PUB | DEPRESS | 87 | SQ_FT | 34.74516 | -118.149463 |
| CP_2399 PUB | DEPRESS | 10 | SQ_FT | 34.74407 | -118.149463 |
| CP_2400 PUB | DEPRESS | 5 | SQ_FT | 34.74361 | -118.149452 |
| CP_2401 PUB | DEPRESS | 19 | SQ_FT | 34.74405 | -118.14945 |
| CP_2402 PUB | DEPRESS | 6 | SQ_FT | 34.74417 | -118.149449 |
| CP_2403 PUB | DEPRESS | 46 | SQ_FT | 34.74554 | -118.149439 |
| CP_2404 PUB | DEPRESS | 9 | SQ_FT | 34.74386 | -118.149437 |
| CP_2405 PUB | DEPRESS | 7 | SQ_FT | 34.74399 | -118.149428 |
| CP_2406 PUB | DEPRESS | 5 | SQ_FT | 34.74417 | -118.149423 |
| CP_2407 PUB | DEPRESS | 52 | SQ_FT | 34.74516 | -118.149414 |
| CP_2408 PUB | DEPRESS | 13 | SQ_FT | 34.74407 | -118.149413 |
| CP_2409 PUB | DEPRESS | 34 | SQ_FT | 34.74413 | -118.149411 |
| CP_2410 PUB | DEPRESS | 21 | SQ_FT | 34.74346 | -118.149405 |
| CP_2411 PUB | DEPRESS | 49 | SQ_FT | 34.74528 | -118.149397 |
| CP_2412 PUB | DEPRESS | 40 | SQ_FT | 34.74532 | -118.149385 |
| CP_2413 PUB | DEPRESS | 15 | SQ_FT | 34.74533 | -118.149381 |
| CP_2414 PUB | DEPRESS | 19 | SQ_FT | 34.74582 | -118.14938 |
| CP_2415 PUB | DEPRESS | 13 | SQ_FT | 34.74436 | -118.149378 |
| CP_2416 PUB | DEPRESS | 68 | SQ_FT | 34.74448 | -118.149372 |
| CP_2417 PUB | DEPRESS | 36 | SQ_FT | 34.74423 | -118.149366 |
| CP_2418 PUB | DEPRESS | 45 | SQ_FT | 34.74383 | -118.149345 |
| CP_2419 PUB | DEPRESS | 41 | SQ_FT | 34.74388 | -118.149337 |
| CP_2420 PUB | DEPRESS | 81 | SQ_FT | 34.74572 | -118.149324 |
| CP_2421 PUB | DEPRESS | 128 | SQ_FT | 34.74401 | -118.149324 |
| CP_2422 PUB | DEPRESS | 33 | SQ_FT | 34.74384 | -118.149319 |
| CP_2423 PUB | DEPRESS | 74 | SQ_FT | 34.74515 | -118.149319 |
| CP_2424 PUB | DEPRESS | 49 | SQ_FT | 34.74543 | -118.149314 |
| CP_2425 PUB | DEPRESS | 15 | SQ_FT | 34.74508 | -118.149305 |
| CP_2426 PUB | DEPRESS | 12 | SQ_FT | 34.745 | -118.149289 |
| CP_2427 PUB | DEPRESS | 22 | SQ_FT | 34.74395 | -118.149282 |
| CP_2428 PUB | DEPRESS | 5 | SQ_FT | 34.74463 | -118.149281 |
| CP_2429 PUB | DEPRESS | 45 | SQ_FT | 34.74503 | -118.149277 |
| CP_2430 PUB | DEPRESS | 8 | SQ_FT | 34.74441 | -118.149274 |

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| CP_2431 PUB | DEPRESS | 10 | SQ_FT | 34.74409 -118.149273 |
| CP_2432 PUB | DEPRESS | 20 | SQ_FT | 34.74506 -118.149271 |
| CP_2433 PUB | DEPRESS | 25 | SQ_FT | 34.74399 -118.149245 |
| CP_2434 PUB | DEPRESS | 39 | SQ_FT | 34.74454 -118.149241 |
| CP_2435 PUB | DEPRESS | 25 | SQ_FT | 34.74496 -118.149238 |
| CP_2436 PUB | DEPRESS | 32 | SQ_FT | 34.74351 -118.149237 |
| CP_2437 PUB | DEPRESS | 215 | SQ_FT | 34.74555 -118.14923 |
| CP_2438 PUB | DEPRESS | 46 | SQ_FT | 34.74513 -118.149226 |
| CP_2439 PUB | DEPRESS | 17 | SQ_FT | 34.74354 -118.149215 |
| CP_2440 PUB | DEPRESS | 376 | SQ_FT | 34.74742 -118.149213 |
| CP_2441 PUB | DEPRESS | 126 | SQ_FT | 34.7448 -118.149206 |
| CP_2442 PUB | DEPRESS | 9 | SQ_FT | 34.74412 -118.149202 |
| CP_2443 PUB | DEPRESS | 13.00 | SQ_FT | 34.74358 -118.149194 |
| CP_2444 PUB | DEPRESS | 0.01 | ACRE | 34.74418 -118.149183 |
| CP_2445 PUB | DEPRESS | 53 | SQ_FT | 34.74543 -118.149178 |
| CP_2446 PUB | DEPRESS | 23 | SQ_FT | 34.7436 -118.149163 |
| CP_2447 PUB | DEPRESS | 39 | SQ_FT | 34.74537 -118.149148 |
| CP_2448 PUB | DEPRESS | 139 | SQ_FT | 34.7446 -118.149141 |
| CP_2449 PUB | DEPRESS | 8 | SQ_FT | 34.74748 -118.149136 |
| CP_2450 PUB | DEPRESS | 99 | SQ_FT | 34.74737 -118.149132 |
| CP_2451 PUB | DEPRESS | 17 | SQ_FT | 34.74362 -118.149117 |
| CP_2452 PUB | DEPRESS | 5 | SQ_FT | 34.74464 -118.149099 |
| CP_2453 PUB | DEPRESS | 28 | SQ_FT | 34.74487 -118.149098 |
| CP_2454 PUB | DEPRESS | 3 | SQ_FT | 34.74362 -118.149097 |
| CP_2455 PUB | DEPRESS | 58 | SQ_FT | 34.7436 -118.149092 |
| CP_2456 PUB | DEPRESS | 13 | SQ_FT | 34.74742 -118.149091 |
| CP_2457 PUB | DEPRESS | 18 | SQ_FT | 34.74768 -118.149088 |
| CP_2458 PUB | DEPRESS | 391 | SQ_FT | 34.74522 -118.149078 |
| CP_2459 PUB | DEPRESS | 35 | SQ_FT | 34.74466 -118.149073 |
| CP_2460 PUB | DEPRESS | 50 | SQ_FT | 34.74372 -118.149072 |
| CP_2461 PUB | DEPRESS | 25 | SQ_FT | 34.74362 -118.149059 |
| CP_2462 PUB | DEPRESS | 20 | SQ_FT | 34.74497 -118.149058 |
| CP_2463 PUB | DEPRESS | 24 | SQ_FT | 34.74365 -118.149044 |
| CP_2464 PUB | DEPRESS | 18 | SQ_FT | 34.7437 -118.149035 |
| CP_2465 PUB | DEPRESS | 65 | SQ_FT | 34.74502 -118.149031 |
| CP_2466 PUB | DEPRESS | 26 | SQ_FT | 34.74368 -118.149028 |
| CP_2467 PUB | DEPRESS | 46.00 | SQ_FT | 34.74531 -118.149014 |
| CP_2468 PUB | DEPRESS | 0.04 | ACRE | 34.74766 -118.149005 |
| CP_2469 PUB | DEPRESS | 40 | SQ_FT | 34.74506 -118.148978 |
| CP_2470 PUB | DEPRESS | 8 | SQ_FT | 34.74738 -118.148962 |
| CP_2471 PUB | DEPRESS | 23 | SQ_FT | 34.74472 -118.148953 |
| CP_2472 PUB | DEPRESS | 93 | SQ_FT | 34.74754 -118.148922 |
| CP_2473 PUB | DEPRESS | 6 | SQ_FT | 34.74361 -118.148907 |
| CP_2474 PUB | DEPRESS | 16 | SQ_FT | 34.74782 -118.148896 |
| CP_2475 PUB | DEPRESS | 12 | SQ_FT | 34.74773 -118.148884 |
| CP_2476 PUB | DEPRESS | 5 | SQ_FT | 34.7444 -118.14888 |
| CP_2477 PUB | DEPRESS | 14 | SQ_FT | 34.74454 -118.148873 |
| CP_2478 PUB | DEPRESS | 167 | SQ_FT | 34.74472 -118.148836 |
| CP_2479 PUB | DEPRESS | 81 | SQ_FT | 34.74757 -118.1488 |
| CP_2480 PUB | DEPRESS | 12 | SQ_FT | 34.74749 -118.148797 |
| CP_2481 PUB | DEPRESS | 87 | SQ_FT | 34.74737 -118.148787 |
| CP_2482 PUB | DEPRESS | 126 | SQ_FT | 34.74757 -118.148784 |
| CP_2483 PUB | DEPRESS | 16 | SQ_FT | 34.74452 -118.148775 |
| CP_2484 PUB | DEPRESS | 8 | SQ_FT | 34.74437 -118.148759 |
| CP_2485 PUB | DEPRESS | 22 | SQ_FT | 34.74482 -118.148759 |
| CP_2486 PUB | DEPRESS | 17 | SQ_FT | 34.74449 -118.148744 |
| CP_2487 PUB | DEPRESS | 115 | SQ_FT | 34.74352 -118.148721 |
| CP_2488 PUB | DEPRESS | 345 | SQ_FT | 34.74776 -118.14871 |
| CP_2489 PUB | DEPRESS | 126 | SQ_FT | 34.74747 -118.148696 |
| CP_2490 PUB | DEPRESS | 74 | SQ_FT | 34.74753 -118.148678 |
| CP_2491 PUB | DEPRESS | 85 | SQ_FT | 34.74776 -118.148654 |
| CP_2492 PUB | DEPRESS | 17 | SQ_FT | 34.74734 -118.148632 |
| CP_2493 PUB | DEPRESS | 68 | SQ_FT | 34.74753 -118.14863 |
| CP_2494 PUB | DEPRESS | 60 | SQ_FT | 34.74779 -118.148616 |
| CP_2495 PUB | DEPRESS | 19 | SQ_FT | 34.74734 -118.148609 |
| CP_2496 PUB | DEPRESS | 15 | SQ_FT | 34.74453 -118.148511 |

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| CP_2497 PUB | DEPRESS | 12 | SQ_FT | 34.74351 -118.148493 |
| CP_2498 PUB | DEPRESS | 10 | SQ_FT | 34.74449 -118.14849 |
| CP_2499 PUB | DEPRESS | 32 | SQ_FT | 34.74367 -118.148485 |
| CP_2500 PUB | DEPRESS | 49 | SQ_FT | 34.7437 -118.148472 |
| CP_2501 PUB | DEPRESS | 8.00 | SQ_FT | 34.74346 -118.148456 |
| CP_2502 PUB | DEPRESS | 0.05 | ACRE | 34.74356 -118.148417 |
| CP_2503 PUB | DEPRESS | 56 | SQ_FT | 34.74378 -118.148336 |
| CP_2504 PUB | DEPRESS | 20 | SQ_FT | 34.74377 -118.148304 |
| CP_2505 PUB | DEPRESS | 62 | SQ_FT | 34.74374 -118.148288 |
| CP_2506 PUB | DEPRESS | 8.00 | SQ_FT | 34.74415 -118.148288 |
| CP_2507 PUB | DEPRESS | 0.04 | ACRE | 34.744 -118.148274 |
| CP_2508 PUB | DEPRESS | 0.05 | ACRE | 34.74359 -118.148192 |
| CP_2509 PUB | DEPRESS | 23 | SQ_FT | 34.74306 -118.151264 |
| CP_2510 PUB | DEPRESS | 15 | SQ_FT | 34.74313 -118.151175 |
| CP_2511 PUB | DEPRESS | 14 | SQ_FT | 34.74315 -118.151141 |
| CP_2512 PUB | DEPRESS | 26 | SQ_FT | 34.74322 -118.151088 |
| CP_2513 PUB | DEPRESS | 7 | SQ_FT | 34.74319 -118.151007 |
| CP_2514 PUB | DEPRESS | 8 | SQ_FT | 34.7432 -118.150996 |
| CP_2515 PUB | DEPRESS | 8 | SQ_FT | 34.74218 -118.150905 |
| CP_2516 PUB | DEPRESS | 26 | SQ_FT | 34.74334 -118.150889 |
| CP_2517 PUB | DEPRESS | 16 | SQ_FT | 34.74233 -118.150865 |
| CP_2518 PUB | DEPRESS | 14 | SQ_FT | 34.74233 -118.15082 |
| CP_2519 PUB | DEPRESS | 14 | SQ_FT | 34.74231 -118.150794 |
| CP_2520 PUB | DEPRESS | 17 | SQ_FT | 34.74335 -118.150789 |
| CP_2521 PUB | DEPRESS | 5 | SQ_FT | 34.74287 -118.15077 |
| CP_2522 PUB | DEPRESS | 14 | SQ_FT | 34.7423 -118.150749 |
| CP_2523 PUB | DEPRESS | 6 | SQ_FT | 34.7433 -118.150749 |
| CP_2524 PUB | DEPRESS | 10 | SQ_FT | 34.74226 -118.150748 |
| CP_2525 PUB | DEPRESS | 37 | SQ_FT | 34.74291 -118.150717 |
| CP_2526 PUB | DEPRESS | 5 | SQ_FT | 34.74177 -118.150716 |
| CP_2527 PUB | DEPRESS | 12 | SQ_FT | 34.74283 -118.150714 |
| CP_2528 PUB | DEPRESS | 8 | SQ_FT | 34.74279 -118.150707 |
| CP_2529 PUB | DEPRESS | 76 | SQ_FT | 34.74286 -118.150703 |
| CP_2530 PUB | DEPRESS | 15.00 | SQ_FT | 34.74177 -118.150694 |
| CP_2531 PUB | DEPRESS | 0.01 | ACRE | 34.74332 -118.150671 |
| CP_2532 PUB | DEPRESS | 80 | SQ_FT | 34.74274 -118.150665 |
| CP_2533 PUB | DEPRESS | 23 | SQ_FT | 34.74181 -118.150656 |
| CP_2534 PUB | DEPRESS | 4 | SQ_FT | 34.74332 -118.150633 |
| CP_2535 PUB | DEPRESS | 25 | SQ_FT | 34.74297 -118.15062 |
| CP_2536 PUB | DEPRESS | 61 | SQ_FT | 34.74303 -118.150597 |
| CP_2537 PUB | DEPRESS | 45 | SQ_FT | 34.74189 -118.150586 |
| CP_2538 PUB | DEPRESS | 46 | SQ_FT | 34.7415 -118.150563 |
| CP_2539 PUB | DEPRESS | 29 | SQ_FT | 34.74156 -118.150562 |
| CP_2540 PUB | DEPRESS | 41 | SQ_FT | 34.74285 -118.150531 |
| CP_2541 PUB | DEPRESS | 38 | SQ_FT | 34.74184 -118.150526 |
| CP_2542 PUB | DEPRESS | 10 | SQ_FT | 34.74143 -118.150524 |
| CP_2543 PUB | DEPRESS | 13 | SQ_FT | 34.74321 -118.150501 |
| CP_2544 PUB | DEPRESS | 26 | SQ_FT | 34.74298 -118.150496 |
| CP_2545 PUB | DEPRESS | 25 | SQ_FT | 34.74281 -118.150487 |
| CP_2546 PUB | DEPRESS | 9 | SQ_FT | 34.74199 -118.150482 |
| CP_2547 PUB | DEPRESS | 36 | SQ_FT | 34.74183 -118.150472 |
| CP_2548 PUB | DEPRESS | 37 | SQ_FT | 34.74294 -118.150461 |
| CP_2549 PUB | DEPRESS | 15 | SQ_FT | 34.74169 -118.150451 |
| CP_2550 PUB | DEPRESS | 111 | SQ_FT | 34.74267 -118.150422 |
| CP_2551 PUB | DEPRESS | 71 | SQ_FT | 34.74275 -118.15042 |
| CP_2552 PUB | DEPRESS | 258 | SQ_FT | 34.7417 -118.150419 |
| CP_2553 PUB | DEPRESS | 63 | SQ_FT | 34.74316 -118.15041 |
| CP_2554 PUB | DEPRESS | 7 | SQ_FT | 34.74242 -118.15039 |
| CP_2555 PUB | DEPRESS | 26 | SQ_FT | 34.74173 -118.150368 |
| CP_2556 PUB | DEPRESS | 230 | SQ_FT | 34.74321 -118.150365 |
| CP_2557 PUB | DEPRESS | 49 | SQ_FT | 34.74294 -118.150345 |
| CP_2558 PUB | DEPRESS | 22 | SQ_FT | 34.74337 -118.150343 |
| CP_2559 PUB | DEPRESS | 110 | SQ_FT | 34.74327 -118.150322 |
| CP_2560 PUB | DEPRESS | 310.0 | SQ_FT | 34.74301 -118.150294 |
| CP_2561 PUB | DEPRESS | 0.1 | SQ_FT | 34.74175 -118.15029 |
| CP_2562 PUB | DEPRESS | 145 | SQ_FT | 34.74173 -118.150288 |

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| CP_2563 PUB | DEPRESS | 33 | SQ_FT | 34.74238 | -118.150273 |
| CP_2564 PUB | DEPRESS | 33 | SQ_FT | 34.74272 | -118.150266 |
| CP_2565 PUB | DEPRESS | 115 | SQ_FT | 34.74245 | -118.15026 |
| CP_2566 PUB | DEPRESS | 32 | SQ_FT | 34.74271 | -118.150238 |
| CP_2567 PUB | DEPRESS | 18.00 | SQ_FT | 34.74288 | -118.150236 |
| CP_2568 PUB | DEPRESS | 0.03 | ACRE | 34.74184 | -118.150228 |
| CP_2569 PUB | DEPRESS | 9 | SQ_FT | 34.74329 | -118.150209 |
| CP_2570 PUB | DEPRESS | 29 | SQ_FT | 34.74283 | -118.150197 |
| CP_2571 PUB | DEPRESS | 14 | SQ_FT | 34.74307 | -118.150187 |
| CP_2572 PUB | DEPRESS | 63 | SQ_FT | 34.74286 | -118.150181 |
| CP_2573 PUB | DEPRESS | 29 | SQ_FT | 34.74202 | -118.150164 |
| CP_2574 PUB | DEPRESS | 14 | SQ_FT | 34.74138 | -118.150161 |
| CP_2575 PUB | DEPRESS | 15 | SQ_FT | 34.74308 | -118.150157 |
| CP_2576 PUB | DEPRESS | 26 | SQ_FT | 34.74286 | -118.150157 |
| CP_2577 PUB | DEPRESS | 131 | SQ_FT | 34.74198 | -118.150125 |
| CP_2578 PUB | DEPRESS | 57 | SQ_FT | 34.74247 | -118.15008 |
| CP_2579 PUB | DEPRESS | 112 | SQ_FT | 34.74331 | -118.150076 |
| CP_2580 PUB | DEPRESS | 74 | SQ_FT | 34.74139 | -118.150071 |
| CP_2581 PUB | DEPRESS | 18 | SQ_FT | 34.74262 | -118.150062 |
| CP_2582 PUB | DEPRESS | 9 | SQ_FT | 34.74099 | -118.150057 |
| CP_2583 PUB | DEPRESS | 14 | SQ_FT | 34.74264 | -118.150053 |
| CP_2584 PUB | DEPRESS | 51 | SQ_FT | 34.74136 | -118.150045 |
| CP_2585 PUB | DEPRESS | 347 | SQ_FT | 34.74189 | -118.150044 |
| CP_2586 PUB | DEPRESS | 46 | SQ_FT | 34.74337 | -118.150026 |
| CP_2587 PUB | DEPRESS | 5 | SQ_FT | 34.74255 | -118.150016 |
| CP_2588 PUB | DEPRESS | 45 | SQ_FT | 34.74221 | -118.149994 |
| CP_2589 PUB | DEPRESS | 10 | SQ_FT | 34.74339 | -118.149988 |
| CP_2590 PUB | DEPRESS | 113 | SQ_FT | 34.74105 | -118.149954 |
| CP_2591 PUB | DEPRESS | 272 | SQ_FT | 34.74217 | -118.149936 |
| CP_2592-001 | PUB DEPRESS | 19.00 | SQ_FT | 34.74049 | -118.149921 |
| CP_2592-002 | PUB DEPRESS | 0.06 | ACRE | 34.74049 | -118.149921 |
| CP_2593 PUB | DEPRESS | 15 | SQ_FT | 34.74246 | -118.149915 |
| CP_2594 PUB | DEPRESS | 15 | SQ_FT | 34.74334 | -118.149909 |
| CP_2595 PUB | DEPRESS | 26 | SQ_FT | 34.74097 | -118.149895 |
| CP_2596 PUB | DEPRESS | 10 | SQ_FT | 34.74257 | -118.149868 |
| CP_2597 PUB | DEPRESS | 83 | SQ_FT | 34.74253 | -118.14986 |
| CP_2598 PUB | DEPRESS | 49 | SQ_FT | 34.74216 | -118.149856 |
| CP_2599 PUB | DEPRESS | 17 | SQ_FT | 34.74218 | -118.149853 |
| CP_2600 PUB | DEPRESS | 6 | SQ_FT | 34.74249 | -118.149849 |
| CP_2601 PUB | DEPRESS | 6 | SQ_FT | 34.74247 | -118.149849 |
| CP_2602 PUB | DEPRESS | 6 | SQ_FT | 34.74214 | -118.149848 |
| CP_2603 PUB | DEPRESS | 19 | SQ_FT | 34.7425 | -118.149844 |
| CP_2604 PUB | DEPRESS | 81 | SQ_FT | 34.74209 | -118.149827 |
| CP_2605 PUB | DEPRESS | 7 | SQ_FT | 34.7425 | -118.149801 |
| CP_2606 PUB | DEPRESS | 6 | SQ_FT | 34.7406 | -118.14979 |
| CP_2607 PUB | DEPRESS | 30 | SQ_FT | 34.7406 | -118.149765 |
| CP_2608 PUB | DEPRESS | 139 | SQ_FT | 34.74049 | -118.149757 |
| CP_2609 PUB | DEPRESS | 15 | SQ_FT | 34.74259 | -118.149757 |
| CP_2610 PUB | DEPRESS | 51 | SQ_FT | 34.74272 | -118.149756 |
| CP_2611 PUB | DEPRESS | 56 | SQ_FT | 34.74187 | -118.149743 |
| CP_2612 PUB | DEPRESS | 7 | SQ_FT | 34.7424 | -118.14972 |
| CP_2613 PUB | DEPRESS | 13 | SQ_FT | 34.7418 | -118.149717 |
| CP_2614 PUB | DEPRESS | 10 | SQ_FT | 34.74268 | -118.149708 |
| CP_2615 PUB | DEPRESS | 5 | SQ_FT | 34.74239 | -118.149702 |
| CP_2616 PUB | DEPRESS | 6 | SQ_FT | 34.74244 | -118.149697 |
| CP_2617 PUB | DEPRESS | 11 | SQ_FT | 34.74251 | -118.149694 |
| CP_2618 PUB | DEPRESS | 35 | SQ_FT | 34.7406 | -118.149686 |
| CP_2619 PUB | DEPRESS | 16 | SQ_FT | 34.74146 | -118.149685 |
| CP_2620 PUB | DEPRESS | 166 | SQ_FT | 34.74172 | -118.149679 |
| CP_2621 PUB | DEPRESS | 11 | SQ_FT | 34.74327 | -118.149673 |
| CP_2622 PUB | DEPRESS | 13 | SQ_FT | 34.74247 | -118.149671 |
| CP_2623 PUB | DEPRESS | 31 | SQ_FT | 34.74177 | -118.149664 |
| CP_2624 PUB | DEPRESS | 29 | SQ_FT | 34.74327 | -118.149637 |
| CP_2625 PUB | DEPRESS | 59 | SQ_FT | 34.74209 | -118.149619 |
| CP_2626 PUB | DEPRESS | 211 | SQ_FT | 34.74325 | -118.149609 |
| CP_2627 PUB | DEPRESS | 6 | SQ_FT | 34.7406 | -118.14959 |

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| CP_2628 PUB | DEPRESS | 15 | SQ_FT | 34.73986 -118.149566 |
| CP_2629 PUB | DEPRESS | 38.0 | SQ_FT | 34.74321 -118.149563 |
| CP_2630 PUB | DEPRESS | 0.1 | SQ_FT | 34.74322 -118.149561 |
| CP_2631 PUB | DEPRESS | 15 | SQ_FT | 34.74015 -118.149559 |
| CP_2632 PUB | DEPRESS | 57 | SQ_FT | 34.74179 -118.14955 |
| CP_2633 PUB | DEPRESS | 21 | SQ_FT | 34.74054 -118.149525 |
| CP_2634 PUB | DEPRESS | 13 | SQ_FT | 34.74326 -118.14951 |
| CP_2635 PUB | DEPRESS | 11 | SQ_FT | 34.74062 -118.149497 |
| CP_2636 PUB | DEPRESS | 4 | SQ_FT | 34.7406 -118.149494 |
| CP_2637 PUB | DEPRESS | 37 | SQ_FT | 34.74333 -118.149483 |
| CP_2638 PUB | DEPRESS | 1 | SQ_FT | 34.74061 -118.149477 |
| CP_2639 PUB | DEPRESS | 9 | SQ_FT | 34.7406 -118.149455 |
| CP_2640 PUB | DEPRESS | 30 | SQ_FT | 34.7432 -118.149448 |
| CP_2641 PUB | DEPRESS | 40 | SQ_FT | 34.74337 -118.149446 |
| CP_2642 PUB | DEPRESS | 23 | SQ_FT | 34.74344 -118.149396 |
| CP_2643 PUB | DEPRESS | 131 | SQ_FT | 34.74339 -118.149382 |
| CP_2644 PUB | DEPRESS | 7 | SQ_FT | 34.74063 -118.149365 |
| CP_2645 PUB | DEPRESS | 7 | SQ_FT | 34.74042 -118.149353 |
| CP_2646 PUB | DEPRESS | 62 | SQ_FT | 34.74306 -118.149351 |
| CP_2647 PUB | DEPRESS | 244 | SQ_FT | 34.74292 -118.149348 |
| CP_2648 PUB | DEPRESS | 7 | SQ_FT | 34.74062 -118.149328 |
| CP_2649 PUB | DEPRESS | 15 | SQ_FT | 34.73995 -118.149318 |
| CP_2650 PUB | DEPRESS | 10 | SQ_FT | 34.74061 -118.149293 |
| CP_2651 PUB | DEPRESS | 5 | SQ_FT | 34.74063 -118.149288 |
| CP_2652 PUB | DEPRESS | 12 | SQ_FT | 34.73968 -118.149285 |
| CP_2653 PUB | DEPRESS | 47 | SQ_FT | 34.74157 -118.149258 |
| CP_2654 PUB | DEPRESS | 12 | SQ_FT | 34.74199 -118.149257 |
| CP_2655 PUB | DEPRESS | 19 | SQ_FT | 34.74058 -118.149256 |
| CP_2656 PUB | DEPRESS | 10 | SQ_FT | 34.74061 -118.14924 |
| CP_2657 PUB | DEPRESS | 20 | SQ_FT | 34.74333 -118.149179 |
| CP_2658 PUB | DEPRESS | 8 | SQ_FT | 34.74061 -118.149177 |
| CP_2659 PUB | DEPRESS | 8 | SQ_FT | 34.74136 -118.149128 |
| CP_2660 PUB | DEPRESS | 18 | SQ_FT | 34.74126 -118.149112 |
| CP_2661 PUB | DEPRESS | 24 | SQ_FT | 34.74193 -118.149111 |
| CP_2662 PUB | DEPRESS | 8 | SQ_FT | 34.74218 -118.149109 |
| CP_2663 PUB | DEPRESS | 28 | SQ_FT | 34.74105 -118.149107 |
| CP_2664 PUB | DEPRESS | 24 | SQ_FT | 34.74137 -118.149101 |
| CP_2665 PUB | DEPRESS | 52 | SQ_FT | 34.74329 -118.14909 |
| CP_2666 PUB | DEPRESS | 19 | SQ_FT | 34.74061 -118.149087 |
| CP_2667 PUB | DEPRESS | 80 | SQ_FT | 34.74057 -118.14908 |
| CP_2668 PUB | DEPRESS | 10 | SQ_FT | 34.73977 -118.149077 |
| CP_2669 PUB | DEPRESS | 25 | SQ_FT | 34.74338 -118.149073 |
| CP_2670 PUB | DEPRESS | 44 | SQ_FT | 34.74334 -118.149072 |
| CP_2671 PUB | DEPRESS | 33 | SQ_FT | 34.74119 -118.14907 |
| CP_2672 PUB | DEPRESS | 15 | SQ_FT | 34.74179 -118.149065 |
| CP_2673 PUB | DEPRESS | 9 | SQ_FT | 34.74122 -118.14906 |
| CP_2674 PUB | DEPRESS | 113 | SQ_FT | 34.74132 -118.149058 |
| CP_2675-001 | PUB DEPRESS | 28 | SQ_FT | 34.74059 -118.149055 |
| CP_2675-002 | PUB DEPRESS | 9 | SQ_FT | 34.74059 -118.149055 |
| CP_2676 PUB | DEPRESS | 21 | SQ_FT | 34.74192 -118.149055 |
| CP_2677 PUB | DEPRESS | 30 | SQ_FT | 34.74129 -118.149045 |
| CP_2678 PUB | DEPRESS | 134 | SQ_FT | 34.74126 -118.14904 |
| CP_2679 PUB | DEPRESS | 9 | SQ_FT | 34.74015 -118.149039 |
| CP_2680 PUB | DEPRESS | 17 | SQ_FT | 34.74079 -118.149018 |
| CP_2681 PUB | DEPRESS | 27 | SQ_FT | 34.74185 -118.149013 |
| CP_2682 PUB | DEPRESS | 6 | SQ_FT | 34.74059 -118.148992 |
| CP_2683 PUB | DEPRESS | 11 | SQ_FT | 34.7421 -118.148983 |
| CP_2684 PUB | DEPRESS | 27 | SQ_FT | 34.73881 -118.148982 |
| CP_2685 PUB | DEPRESS | 22 | SQ_FT | 34.74194 -118.148951 |
| CP_2686 PUB | DEPRESS | 3 | SQ_FT | 34.74059 -118.148949 |
| CP_2687 PUB | DEPRESS | 40 | SQ_FT | 34.74046 -118.14894 |
| CP_2688 PUB | DEPRESS | 4 | SQ_FT | 34.74061 -118.14889 |
| CP_2689 PUB | DEPRESS | 7 | SQ_FT | 34.73919 -118.148867 |
| CP_2690 PUB | DEPRESS | 40 | SQ_FT | 34.73919 -118.148796 |
| CP_2691 PUB | DEPRESS | 7 | SQ_FT | 34.74299 -118.148738 |
| CP_2692 PUB | DEPRESS | 8 | SQ_FT | 34.74281 -118.148732 |

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| CP_2693 PUB | DEPRESS | 126 | SQ_FT | 34.74291 -118.148731 |
| CP_2694 PUB | DEPRESS | 19 | SQ_FT | 34.74282 -118.148724 |
| CP_2695 PUB | DEPRESS | 23 | SQ_FT | 34.74304 -118.148714 |
| CP_2696 PUB | DEPRESS | 16 | SQ_FT | 34.74128 -118.148689 |
| CP_2697 PUB | DEPRESS | 67.0 | SQ_FT | 34.74008 -118.148686 |
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| CP_2699 PUB | DEPRESS | 139 | SQ_FT | 34.73971 -118.14868 |
| CP_2700 PUB | DEPRESS | 13 | SQ_FT | 34.74023 -118.148676 |
| CP_2701 PUB | DEPRESS | 11 | SQ_FT | 34.74019 -118.148675 |
| CP_2702 PUB | DEPRESS | 14 | SQ_FT | 34.73968 -118.148661 |
| CP_2703 PUB | DEPRESS | 58 | SQ_FT | 34.74269 -118.148608 |
| CP_2704 PUB | DEPRESS | 28 | SQ_FT | 34.74036 -118.148489 |
| CP_2705 PUB | DEPRESS | 38 | SQ_FT | 34.74008 -118.148426 |
| CP_2706 PUB | DEPRESS | 5 | SQ_FT | 34.73959 -118.148363 |
| CP_2707 PUB | DEPRESS | 29 | SQ_FT | 34.74059 -118.148286 |
| CP_2708 PUB | DEPRESS | 59 | SQ_FT | 34.74053 -118.148219 |
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| CP_2710 PUB | DEPRESS | 22 | SQ_FT | 34.74178 -118.148145 |
| CP_2711 PUB | DEPRESS | 16 | SQ_FT | 34.74161 -118.14812 |
| CP_2712 PUB | DEPRESS | 61 | SQ_FT | 34.74293 -118.148073 |
| CP_2713 PUB | DEPRESS | 20 | SQ_FT | 34.73978 -118.147962 |
| CP_2714 PUB | DEPRESS | 17 | SQ_FT | 34.74042 -118.147905 |
| CP_2715 PUB | DEPRESS | 4 | SQ_FT | 34.74176 -118.147871 |
| CP_2716 PUB | DEPRESS | 19 | SQ_FT | 34.73971 -118.147841 |
| CP_2717 PUB | DEPRESS | 38 | SQ_FT | 34.74044 -118.147839 |
| CP_2718 PUB | DEPRESS | 9 | SQ_FT | 34.74058 -118.147818 |
| CP_2719 PUB | DEPRESS | 61 | SQ_FT | 34.7423 -118.147806 |
| CP_2720 PUB | DEPRESS | 19 | SQ_FT | 34.74233 -118.147789 |
| CP_2721 PUB | DEPRESS | 7 | SQ_FT | 34.73844 -118.147776 |
| CP_2722 PUB | DEPRESS | 7 | SQ_FT | 34.74049 -118.147769 |
| CP_2723 PUB | DEPRESS | 11 | SQ_FT | 34.73882 -118.1477 |
| CP_2724 PUB | DEPRESS | 25 | SQ_FT | 34.74197 -118.147687 |
| CP_2725 PUB | DEPRESS | 5 | SQ_FT | 34.74172 -118.147683 |
| CP_2726 PUB | DEPRESS | 16 | SQ_FT | 34.74023 -118.147665 |
| CP_2727 PUB | DEPRESS | 19 | SQ_FT | 34.7422 -118.14763 |
| CP_2728 PUB | DEPRESS | 32 | SQ_FT | 34.74229 -118.147626 |
| CP_2729 PUB | DEPRESS | 104 | SQ_FT | 34.74253 -118.147606 |
| CP_2730 PUB | DEPRESS | 26 | SQ_FT | 34.7422 -118.14755 |
| CP_2731 PUB | DEPRESS | 29 | SQ_FT | 34.74083 -118.147545 |
| CP_2732 PUB | DEPRESS | 10 | SQ_FT | 34.74044 -118.147511 |
| CP_2733 PUB | DEPRESS | 20 | SQ_FT | 34.743 -118.147484 |
| CP_2734 PUB | DEPRESS | 25 | SQ_FT | 34.74049 -118.147472 |
| CP_2735 PUB | DEPRESS | 29 | SQ_FT | 34.74223 -118.147465 |
| CP_2736 PUB | DEPRESS | 21 | SQ_FT | 34.74237 -118.14743 |
| CP_2737 PUB | DEPRESS | 57 | SQ_FT | 34.74069 -118.147401 |
| CP_2738 PUB | DEPRESS | 19 | SQ_FT | 34.74117 -118.147393 |
| CP_2739 PUB | DEPRESS | 16 | SQ_FT | 34.74278 -118.14739 |
| CP_2740 PUB | DEPRESS | 74 | SQ_FT | 34.73888 -118.147376 |
| CP_2741 PUB | DEPRESS | 12 | SQ_FT | 34.74118 -118.14735 |
| CP_2742 PUB | DEPRESS | 258 | SQ_FT | 34.74064 -118.147333 |
| CP_2743 PUB | DEPRESS | 45 | SQ_FT | 34.74283 -118.147308 |
| CP_2744 PUB | DEPRESS | 14 | SQ_FT | 34.74231 -118.147306 |
| CP_2745 PUB | DEPRESS | 118 | SQ_FT | 34.74226 -118.147295 |
| CP_2746 PUB | DEPRESS | 51 | SQ_FT | 34.74274 -118.147266 |
| CP_2747 PUB | DEPRESS | 18 | SQ_FT | 34.73861 -118.147263 |
| CP_2748 PUB | DEPRESS | 20 | SQ_FT | 34.74233 -118.147256 |
| CP_2749 PUB | DEPRESS | 12 | SQ_FT | 34.739 -118.147253 |
| CP_2750 PUB | DEPRESS | 30 | SQ_FT | 34.74297 -118.147232 |
| CP_2751 PUB | DEPRESS | 122 | SQ_FT | 34.74082 -118.147224 |
| CP_2752 PUB | DEPRESS | 4 | SQ_FT | 34.74023 -118.147199 |
| CP_2753 PUB | DEPRESS | 31 | SQ_FT | 34.74027 -118.147191 |
| CP_2754 PUB | DEPRESS | 27 | SQ_FT | 34.74034 -118.147159 |
| CP_2755 PUB | DEPRESS | 16 | SQ_FT | 34.74023 -118.147158 |
| CP_2756 PUB | DEPRESS | 29 | SQ_FT | 34.74023 -118.147136 |
| CP_2757 PUB | DEPRESS | 20 | SQ_FT | 34.74055 -118.147102 |
| CP_2758 PUB | DEPRESS | 92 | SQ_FT | 34.73565 -118.147099 |

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| CP_2760 PUB | DEPRESS | 20 | SQ_FT | 34.74018 -118.147086 |
| CP_2761 PUB | DEPRESS | 12 | SQ_FT | 34.74004 -118.146973 |
| CP_2762 PUB | DEPRESS | 21 | SQ_FT | 34.74218 -118.146803 |
| CP_2763 PUB | DEPRESS | 20 | SQ_FT | 34.73944 -118.146784 |
| CP_2764 PUB | DEPRESS | 33 | SQ_FT | 34.73941 -118.146737 |
| CP_2765 PUB | DEPRESS | 26 | SQ_FT | 34.74177 -118.146666 |
| CP_2766 PUB | DEPRESS | 127 | SQ_FT | 34.73858 -118.146549 |
| CP_2767 PUB | DEPRESS | 40 | SQ_FT | 34.73854 -118.146509 |
| CP_2768 PUB | DEPRESS | 7 | SQ_FT | 34.74104 -118.146355 |
| CP_2769 PUB | DEPRESS | 65 | SQ_FT | 34.73749 -118.146257 |
| CP_2770 PUB | DEPRESS | 12 | SQ_FT | 34.73561 -118.146242 |
| CP_2771 PUB | DEPRESS | 10 | SQ_FT | 34.73591 -118.146102 |
| CP_2772 PUB | DEPRESS | 8 | SQ_FT | 34.73804 -118.146076 |
| CP_2773 PUB | DEPRESS | 239 | SQ_FT | 34.73595 -118.146001 |
| CP_2774 PUB | DEPRESS | 10 | SQ_FT | 34.73739 -118.145982 |
| PD_2775 PUB | DEPRESS | 43 | SQ_FT | 34.73551 -118.145942 |
| PD_2776 PUB | DEPRESS | 28 | SQ_FT | 34.73558 -118.145936 |
| CP_2777 PUB | DEPRESS | 12 | SQ_FT | 34.73594 -118.145877 |
| CP_2778 PUB | DEPRESS | 12 | SQ_FT | 34.7399 -118.145859 |
| CP_2779 PUB | DEPRESS | 12.00 | SQ_FT | 34.73993 -118.14584 |
| PD_2780 PUB | DEPRESS | 0.04 | ACRE | 34.73579 -118.145804 |
| CP_2781 PUB | DEPRESS | 16 | SQ_FT | 34.74002 -118.145792 |
| PD_2782 PUB | DEPRESS | 36 | SQ_FT | 34.73589 -118.145705 |
| CP_2783 PUB | DEPRESS | 9 | SQ_FT | 34.73715 -118.145687 |
| CP_2784 PUB | DEPRESS | 48 | SQ_FT | 34.73918 -118.145669 |
| PD_2785 PUB | DEPRESS | 3 | SQ_FT | 34.73585 -118.14562 |
| PD_2786 PUB | DEPRESS | 63 | SQ_FT | 34.73587 -118.14553 |
| CP_2787 PUB | DEPRESS | 99 | SQ_FT | 34.7387 -118.145518 |
| CP_2788 PUB | DEPRESS | 30 | SQ_FT | 34.73597 -118.145502 |
| CP_2789 PUB | DEPRESS | 30 | SQ_FT | 34.73598 -118.145491 |
| CP_2790 PUB | DEPRESS | 19 | SQ_FT | 34.73714 -118.145392 |
| CP_2791 PUB | DEPRESS | 10 | SQ_FT | 34.73709 -118.145359 |
| CP_2792 PUB | DEPRESS | 11 | SQ_FT | 34.73711 -118.145343 |
| PD_2793 PUB | DEPRESS | 166 | SQ_FT | 34.73579 -118.145319 |
| PD_2794 PUB | DEPRESS | 36 | SQ_FT | 34.73575 -118.145312 |
| PD_2795 PUB | DEPRESS | 17 | SQ_FT | 34.73575 -118.145278 |
| CP_2796 PUB | DEPRESS | 31 | SQ_FT | 34.73702 -118.145273 |
| CP_2797 PUB | DEPRESS | 10 | SQ_FT | 34.73782 -118.145199 |
| PD_2798 PUB | DEPRESS | 308 | SQ_FT | 34.7359 -118.145189 |
| CP_2799 PUB | DEPRESS | 6 | SQ_FT | 34.73692 -118.145155 |
| PD_2800 PUB | DEPRESS | 19 | SQ_FT | 34.73589 -118.145127 |
| CP_2801 PUB | DEPRESS | 11 | SQ_FT | 34.7369 -118.145116 |
| PD_2802 PUB | DEPRESS | 110 | SQ_FT | 34.73589 -118.145003 |
| PD_2803-001 | PUB DEPRESS | 3 | SQ_FT | 34.73555 -118.144903 |
| PD_2803-002 | PUB DEPRESS | 38 | SQ_FT | 34.73555 -118.144903 |
| PD_2804-001 | PUB DEPRESS | 87 | SQ_FT | 34.7355 -118.14487 |
| PD_2804-002 | PUB DEPRESS | 8 | SQ_FT | 34.7355 -118.14487 |
| CP_2805 PUB | DEPRESS | 208 | SQ_FT | 34.73792 -118.144856 |
| PD_2806 PUB | DEPRESS | 173.00 | SQ_FT | 34.73583 -118.144781 |
| PD_2807 PUB | DEPRESS | 0.04 | ACRE | 34.73565 -118.143783 |
| PD_2808 PUB | DEPRESS | 50 | SQ_FT | 34.7355 -118.143381 |
| CP_2809 PUB | DEPRESS | 361 | SQ_FT | 34.736 -118.1433 |
| CP_2810 PUB | DEPRESS | 14 | SQ_FT | 34.73796 -118.142322 |
| CP_2811 PUB | DEPRESS | 149.00 | SQ_FT | 34.7376 -118.142253 |
| CP_2812 PUB | DEPRESS | 0.02 | ACRE | 34.73675 -118.142224 |
| CP_2813 PUB | DEPRESS | 42 | SQ_FT | 34.73559 -118.142202 |
| CP_2814 PUB | DEPRESS | 51 | SQ_FT | 34.7365 -118.142184 |
| CP_2815 PUB | DEPRESS | 28 | SQ_FT | 34.73696 -118.141896 |
| CP_2816 PUB | DEPRESS | 59 | SQ_FT | 34.73705 -118.141765 |
| CP_2817 PUB | DEPRESS | 115 | SQ_FT | 34.73713 -118.141685 |
| CP_2818 PUB | DEPRESS | 139 | SQ_FT | 34.73707 -118.141651 |
| CP_2819 PUB | DEPRESS | 14 | SQ_FT | 34.73637 -118.141525 |
| CP_2820 PUB | DEPRESS | 120.00 | SQ_FT | 34.73556 -118.140042 |
| CP_2821 PUB | DEPRESS | 0.10 | ACRE | 34.73601 -118.139805 |
| CP_2822 PUB | DEPRESS | 0.24 | ACRE | 34.73609 -118.139297 |

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|-------------|---------|---------|-------|----------------------|----------------------|
| CP_2823-001 | PUB | DEPRESS | 16.0 | SQ_FT | 34.73593 -118.138732 |
| CP_2823-002 | PUB | DEPRESS | 0.2 | SQ_FT | 34.73593 -118.138732 |
| CP_2824 PUB | DEPRESS | 6 | SQ_FT | 34.73632 -118.137869 | |
| CP_2825 PUB | DEPRESS | 2 | SQ_FT | 34.73634 -118.137724 | |
| CP_2826 PUB | DEPRESS | 19 | SQ_FT | 34.73632 -118.137706 | |
| CP_2827 PUB | DEPRESS | 1 | SQ_FT | 34.73633 -118.137701 | |
| CP_2828 PUB | DEPRESS | 22 | SQ_FT | 34.73628 -118.137701 | |
| CP_2829 PUB | DEPRESS | 7 | SQ_FT | 34.73619 -118.137532 | |
| CP_2830 PUB | DEPRESS | 8 | SQ_FT | 34.73593 -118.137371 | |
| CP_2831 PUB | DEPRESS | 112 | SQ_FT | 34.73382 -118.150849 | |
| CP_2832 PUB | DEPRESS | 18 | SQ_FT | 34.73312 -118.150802 | |
| CP_2833 PUB | DEPRESS | 91 | SQ_FT | 34.73399 -118.150776 | |
| CP_2834 PUB | DEPRESS | 10 | SQ_FT | 34.73396 -118.150769 | |
| CP_2835 PUB | DEPRESS | 254 | SQ_FT | 34.73393 -118.150761 | |
| CP_2836 PUB | DEPRESS | 206.00 | SQ_FT | 34.73402 -118.150721 | |
| CP_2837 PUB | DEPRESS | 0.02 | ACRE | 34.73411 -118.150658 | |
| CP_2838 PUB | DEPRESS | 40 | SQ_FT | 34.73271 -118.150638 | |
| CP_2839 PUB | DEPRESS | 12 | SQ_FT | 34.73266 -118.150629 | |
| CP_2840 PUB | DEPRESS | 11 | SQ_FT | 34.73269 -118.150618 | |
| CP_2841 PUB | DEPRESS | 4 | SQ_FT | 34.73266 -118.150608 | |
| CP_2842 PUB | DEPRESS | 24 | SQ_FT | 34.73418 -118.15057 | |
| CP_2843 PUB | DEPRESS | 28 | SQ_FT | 34.7338 -118.150567 | |
| CP_2844 PUB | DEPRESS | 86 | SQ_FT | 34.73269 -118.150546 | |
| CP_2845 PUB | DEPRESS | 106 | SQ_FT | 34.7342 -118.150536 | |
| CP_2846 PUB | DEPRESS | 13 | SQ_FT | 34.73273 -118.150519 | |
| CP_2847 PUB | DEPRESS | 11 | SQ_FT | 34.73251 -118.150516 | |
| CP_2848 PUB | DEPRESS | 55 | SQ_FT | 34.73255 -118.15051 | |
| CP_2849 PUB | DEPRESS | 24 | SQ_FT | 34.73264 -118.150482 | |
| CP_2850 PUB | DEPRESS | 17 | SQ_FT | 34.73249 -118.150478 | |
| CP_2851 PUB | DEPRESS | 28 | SQ_FT | 34.73291 -118.150469 | |
| CP_2852 PUB | DEPRESS | 34 | SQ_FT | 34.73364 -118.150467 | |
| CP_2853 PUB | DEPRESS | 80 | SQ_FT | 34.73406 -118.150428 | |
| CP_2854 PUB | DEPRESS | 25 | SQ_FT | 34.73263 -118.150381 | |
| CP_2855 PUB | DEPRESS | 77 | SQ_FT | 34.73249 -118.150375 | |
| CP_2856 PUB | DEPRESS | 53 | SQ_FT | 34.73406 -118.150368 | |
| CP_2857 PUB | DEPRESS | 360 | SQ_FT | 34.73256 -118.15036 | |
| CP_2858 PUB | DEPRESS | 21 | SQ_FT | 34.73262 -118.15035 | |
| CP_2859 PUB | DEPRESS | 145 | SQ_FT | 34.73402 -118.150347 | |
| CP_2860 PUB | DEPRESS | 10 | SQ_FT | 34.73262 -118.150309 | |
| CP_2861 PUB | DEPRESS | 7 | SQ_FT | 34.73249 -118.150299 | |
| CP_2862 PUB | DEPRESS | 39 | SQ_FT | 34.7327 -118.150285 | |
| CP_2863 PUB | DEPRESS | 41 | SQ_FT | 34.73395 -118.150282 | |
| CP_2864 PUB | DEPRESS | 58 | SQ_FT | 34.73308 -118.150234 | |
| CP_2865 PUB | DEPRESS | 70 | SQ_FT | 34.73368 -118.15021 | |
| CP_2866 PUB | DEPRESS | 43 | SQ_FT | 34.73422 -118.150161 | |
| CP_2867 PUB | DEPRESS | 63 | SQ_FT | 34.734 -118.150126 | |
| CP_2868 PUB | DEPRESS | 35 | SQ_FT | 34.73427 -118.150081 | |
| CP_2869 PUB | DEPRESS | 36 | SQ_FT | 34.73308 -118.150056 | |
| CP_2870 PUB | DEPRESS | 142 | SQ_FT | 34.7342 -118.149983 | |
| CP_2871 PUB | DEPRESS | 208 | SQ_FT | 34.73429 -118.149973 | |
| CP_2872 PUB | DEPRESS | 36 | SQ_FT | 34.73254 -118.149953 | |
| CP_2873 PUB | DEPRESS | 36 | SQ_FT | 34.7337 -118.149944 | |
| CP_2874 PUB | DEPRESS | 53 | SQ_FT | 34.73416 -118.149943 | |
| CP_2875 PUB | DEPRESS | 13 | SQ_FT | 34.73274 -118.149905 | |
| CP_2876 PUB | DEPRESS | 133 | SQ_FT | 34.73295 -118.149898 | |
| CP_2877 PUB | DEPRESS | 97 | SQ_FT | 34.73268 -118.149868 | |
| CP_2878 PUB | DEPRESS | 37 | SQ_FT | 34.73296 -118.149804 | |
| CP_2879 PUB | DEPRESS | 24 | SQ_FT | 34.73261 -118.149789 | |
| CP_2880 PUB | DEPRESS | 58 | SQ_FT | 34.73287 -118.149785 | |
| CP_2881 PUB | DEPRESS | 41 | SQ_FT | 34.73271 -118.149754 | |
| CP_2882 PUB | DEPRESS | 14 | SQ_FT | 34.73234 -118.149706 | |
| CP_2883 PUB | DEPRESS | 72 | SQ_FT | 34.73419 -118.14968 | |
| CP_2884 PUB | DEPRESS | 78 | SQ_FT | 34.7327 -118.149661 | |
| CP_2885 PUB | DEPRESS | 263.00 | SQ_FT | 34.73265 -118.149554 | |
| CP_2886 PUB | DEPRESS | 0.01 | ACRE | 34.73362 -118.14952 | |
| CP_2887 PUB | DEPRESS | 226 | SQ_FT | 34.73393 -118.149496 | |

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|-------------|-------------|-------|-------|----------------------|
| CP_2888 PUB | DEPRESS | 24 | SQ_FT | 34.73372 -118.149488 |
| CP_2889 PUB | DEPRESS | 38 | SQ_FT | 34.73374 -118.149449 |
| CP_2890 PUB | DEPRESS | 28 | SQ_FT | 34.73358 -118.149431 |
| CP_2891 PUB | DEPRESS | 6 | SQ_FT | 34.73405 -118.14939 |
| CP_2892 PUB | DEPRESS | 32 | SQ_FT | 34.734 -118.149387 |
| CP_2893 PUB | DEPRESS | 43 | SQ_FT | 34.73421 -118.149366 |
| CP_2894 PUB | DEPRESS | 48 | SQ_FT | 34.73268 -118.149267 |
| CP_2895 PUB | DEPRESS | 29 | SQ_FT | 34.73353 -118.149241 |
| CP_2896 PUB | DEPRESS | 106 | SQ_FT | 34.73415 -118.149183 |
| CP_2897 PUB | DEPRESS | 53 | SQ_FT | 34.73249 -118.149161 |
| CP_2898 PUB | DEPRESS | 61 | SQ_FT | 34.73241 -118.149108 |
| CP_2899 PUB | DEPRESS | 47 | SQ_FT | 34.7324 -118.149013 |
| CP_2900 PUB | DEPRESS | 89 | SQ_FT | 34.73279 -118.148874 |
| CP_2901 PUB | DEPRESS | 33.00 | SQ_FT | 34.73226 -118.148817 |
| CP_2902 PUB | DEPRESS | 0.06 | ACRE | 34.73266 -118.148743 |
| CP_2903 PUB | DEPRESS | 15 | SQ_FT | 34.73362 -118.148712 |
| CP_2904 PUB | DEPRESS | 28 | SQ_FT | 34.73363 -118.148693 |
| CP_2905 PUB | DEPRESS | 21 | SQ_FT | 34.73366 -118.148666 |
| CP_2906-001 | PUB DEPRESS | 77 | SQ_FT | 34.73409 -118.148589 |
| CP_2906-002 | PUB DEPRESS | 5 | SQ_FT | 34.73409 -118.148589 |
| CP_2907 PUB | DEPRESS | 5 | SQ_FT | 34.73397 -118.148585 |
| CP_2908 PUB | DEPRESS | 33 | SQ_FT | 34.73382 -118.148582 |
| CP_2909 PUB | DEPRESS | 9 | SQ_FT | 34.73407 -118.148573 |
| CP_2910 PUB | DEPRESS | 21 | SQ_FT | 34.734 -118.148566 |
| CP_2911 PUB | DEPRESS | 59 | SQ_FT | 34.73355 -118.148564 |
| CP_2912 PUB | DEPRESS | 28 | SQ_FT | 34.73396 -118.148562 |
| CP_2913 PUB | DEPRESS | 26 | SQ_FT | 34.73351 -118.14856 |
| CP_2914 PUB | DEPRESS | 179 | SQ_FT | 34.73246 -118.148449 |
| CP_2915 PUB | DEPRESS | 130 | SQ_FT | 34.73295 -118.148448 |
| CP_2916 PUB | DEPRESS | 385 | SQ_FT | 34.73227 -118.148444 |
| CP_2917 PUB | DEPRESS | 40 | SQ_FT | 34.73228 -118.14829 |
| CP_2918 PUB | DEPRESS | 69 | SQ_FT | 34.73223 -118.148288 |
| CP_2919 PUB | DEPRESS | 248 | SQ_FT | 34.73235 -118.148272 |
| CP_2920 PUB | DEPRESS | 99 | SQ_FT | 34.73239 -118.148225 |
| CP_2921 PUB | DEPRESS | 34 | SQ_FT | 34.73255 -118.147843 |
| CP_2922 PUB | DEPRESS | 84 | SQ_FT | 34.73256 -118.147775 |
| CP_2923 PUB | DEPRESS | 142 | SQ_FT | 34.73269 -118.147746 |
| CP_2924 PUB | DEPRESS | 6 | SQ_FT | 34.73262 -118.147732 |
| CP_2925 PUB | DEPRESS | 36 | SQ_FT | 34.73258 -118.147725 |
| CP_2926 PUB | DEPRESS | 52 | SQ_FT | 34.733 -118.147712 |
| CP_2927 PUB | DEPRESS | 43 | SQ_FT | 34.73288 -118.147643 |
| CP_2928 PUB | DEPRESS | 11 | SQ_FT | 34.73325 -118.147563 |
| CP_2929 PUB | DEPRESS | 5 | SQ_FT | 34.73325 -118.147527 |
| CP_2930 PUB | DEPRESS | 4 | SQ_FT | 34.73326 -118.147504 |
| CP_2931 PUB | DEPRESS | 119 | SQ_FT | 34.73157 -118.147412 |
| CP_2932 PUB | DEPRESS | 80 | SQ_FT | 34.73144 -118.147309 |
| CP_2933 PUB | DEPRESS | 114 | SQ_FT | 34.73241 -118.147295 |
| CP_2934 PUB | DEPRESS | 91 | SQ_FT | 34.73255 -118.147203 |
| CP_2935 PUB | DEPRESS | 121 | SQ_FT | 34.73308 -118.147116 |
| CP_2936 PUB | DEPRESS | 117 | SQ_FT | 34.73104 -118.146985 |
| CP_2937 PUB | DEPRESS | 86 | SQ_FT | 34.73327 -118.14687 |
| CP_2938 PUB | DEPRESS | 17 | SQ_FT | 34.73476 -118.146577 |
| CP_2939 PUB | DEPRESS | 9 | SQ_FT | 34.73474 -118.146568 |
| CP_2940 PUB | DEPRESS | 140 | SQ_FT | 34.73521 -118.146542 |
| CP_2941 PUB | DEPRESS | 70 | SQ_FT | 34.73447 -118.146427 |
| CP_2942 PUB | DEPRESS | 71 | SQ_FT | 34.73431 -118.146335 |
| CP_2943 PUB | DEPRESS | 86 | SQ_FT | 34.73499 -118.146136 |
| CP_2944 PUB | DEPRESS | 4 | SQ_FT | 34.73491 -118.146005 |
| CP_2945 PUB | DEPRESS | 10 | SQ_FT | 34.73492 -118.145987 |
| CP_2946 PUB | DEPRESS | 262 | SQ_FT | 34.73316 -118.145974 |
| CP_2947 PUB | DEPRESS | 165 | SQ_FT | 34.73354 -118.145941 |
| PD_2948 PUB | DEPRESS | 79 | SQ_FT | 34.73537 -118.145912 |
| PD_2949 PUB | DEPRESS | 10 | SQ_FT | 34.73501 -118.145887 |
| PD_2950 PUB | DEPRESS | 12 | SQ_FT | 34.73513 -118.145876 |
| PD_2951 PUB | DEPRESS | 56 | SQ_FT | 34.7353 -118.145876 |
| PD_2952 PUB | DEPRESS | 14 | SQ_FT | 34.73523 -118.145873 |

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|-------------|-------------|--------|-------|----------------------|
| CP_2953 PUB | DEPRESS | 186 | SQ_FT | 34.73467 -118.145872 |
| PD_2954 PUB | DEPRESS | 107 | SQ_FT | 34.7349 -118.145871 |
| PD_2955 PUB | DEPRESS | 116 | SQ_FT | 34.73517 -118.145868 |
| PD_2956 PUB | DEPRESS | 92 | SQ_FT | 34.7348 -118.145838 |
| PD_2957 PUB | DEPRESS | 7 | SQ_FT | 34.73522 -118.145836 |
| PD_2958 PUB | DEPRESS | 6 | SQ_FT | 34.73512 -118.145788 |
| PD_2959 PUB | DEPRESS | 7 | SQ_FT | 34.73481 -118.145781 |
| PD_2960 PUB | DEPRESS | 10 | SQ_FT | 34.73507 -118.145767 |
| PD_2961 PUB | DEPRESS | 52 | SQ_FT | 34.73502 -118.145764 |
| PD_2962 PUB | DEPRESS | 45 | SQ_FT | 34.73503 -118.145751 |
| PD_2963 PUB | DEPRESS | 4 | SQ_FT | 34.73498 -118.145739 |
| PD_2964 PUB | DEPRESS | 8 | SQ_FT | 34.73496 -118.145731 |
| PD_2965 PUB | DEPRESS | 44 | SQ_FT | 34.73484 -118.145711 |
| CP_2966 PUB | DEPRESS | 11 | SQ_FT | 34.73314 -118.145675 |
| CP_2967-001 | PUB DEPRESS | 6.00 | SQ_FT | 34.73467 -118.14566 |
| CP_2967-002 | PUB DEPRESS | 0.03 | ACRE | 34.73467 -118.14566 |
| CP_2968 PUB | DEPRESS | 9 | SQ_FT | 34.73461 -118.145576 |
| CP_2969 PUB | DEPRESS | 68 | SQ_FT | 34.72786 -118.145526 |
| CP_2970 PUB | DEPRESS | 2 | SQ_FT | 34.7346 -118.1455 |
| CP_2971 PUB | DEPRESS | 31 | SQ_FT | 34.73459 -118.145477 |
| PD_2972 PUB | DEPRESS | 34 | SQ_FT | 34.73477 -118.145475 |
| PD_2973 PUB | DEPRESS | 20 | SQ_FT | 34.73481 -118.145465 |
| PD_2974 PUB | DEPRESS | 18 | SQ_FT | 34.73479 -118.145444 |
| CP_2975 PUB | DEPRESS | 6 | SQ_FT | 34.73318 -118.145401 |
| CP_2976 PUB | DEPRESS | 12 | SQ_FT | 34.73457 -118.145386 |
| CP_2977 PUB | DEPRESS | 38 | SQ_FT | 34.72831 -118.145351 |
| PD_2978 PUB | DEPRESS | 12 | SQ_FT | 34.73483 -118.145339 |
| CP_2979 PUB | DEPRESS | 7 | SQ_FT | 34.73456 -118.145327 |
| CP_2980 PUB | DEPRESS | 49 | SQ_FT | 34.72834 -118.145314 |
| CP_2981-001 | PUB DEPRESS | 40 | SQ_FT | 34.73454 -118.145245 |
| CP_2981-002 | PUB DEPRESS | 13 | SQ_FT | 34.73454 -118.145245 |
| CP_2982 PUB | DEPRESS | 24 | SQ_FT | 34.72836 -118.145244 |
| PD_2983 PUB | DEPRESS | 65 | SQ_FT | 34.73484 -118.145158 |
| PD_2984 PUB | DEPRESS | 21 | SQ_FT | 34.73483 -118.145096 |
| PD_2985 PUB | DEPRESS | 381.00 | SQ_FT | 34.73481 -118.144959 |
| CP_2986 PUB | DEPRESS | 0.01 | ACRE | 34.73464 -118.144952 |
| CP_2987 PUB | DEPRESS | 5 | SQ_FT | 34.72886 -118.144872 |
| PD_2988 PUB | DEPRESS | 12 | SQ_FT | 34.73536 -118.144869 |
| CP_2989 PUB | DEPRESS | 7 | SQ_FT | 34.7336 -118.144819 |
| CP_2990 PUB | DEPRESS | 88 | SQ_FT | 34.73238 -118.144733 |
| CP_2991 PUB | DEPRESS | 21.00 | SQ_FT | 34.73453 -118.144717 |
| CP_2992 PUB | DEPRESS | 0.02 | ACRE | 34.7337 -118.144712 |
| CP_2993 PUB | DEPRESS | 63 | SQ_FT | 34.73451 -118.144689 |
| PD_2994 PUB | DEPRESS | 56 | SQ_FT | 34.73482 -118.144672 |
| CP_2995 PUB | DEPRESS | 21 | SQ_FT | 34.73401 -118.144613 |
| CP_2996 PUB | DEPRESS | 3 | SQ_FT | 34.73383 -118.144595 |
| CP_2997 PUB | DEPRESS | 7 | SQ_FT | 34.73401 -118.144595 |
| CP_2998 PUB | DEPRESS | 352 | SQ_FT | 34.73379 -118.144592 |
| CP_2999 PUB | DEPRESS | 33 | SQ_FT | 34.73388 -118.14459 |
| PD_3000 PUB | DEPRESS | 479 | SQ_FT | 34.7349 -118.144588 |
| CP_3001 PUB | DEPRESS | 7 | SQ_FT | 34.73394 -118.144583 |
| CP_3002 PUB | DEPRESS | 6 | SQ_FT | 34.73399 -118.14458 |
| CP_3003 PUB | DEPRESS | 7 | SQ_FT | 34.73396 -118.144579 |
| CP_3004 PUB | DEPRESS | 3 | SQ_FT | 34.73409 -118.144576 |
| CP_3005 PUB | DEPRESS | 6 | SQ_FT | 34.73426 -118.144573 |
| CP_3006 PUB | DEPRESS | 3 | SQ_FT | 34.73387 -118.144573 |
| CP_3007-001 | PUB DEPRESS | 16 | SQ_FT | 34.73404 -118.144572 |
| CP_3007-002 | PUB DEPRESS | 63 | SQ_FT | 34.73404 -118.144572 |
| CP_3008 PUB | DEPRESS | 10 | SQ_FT | 34.73433 -118.14457 |
| CP_3009 PUB | DEPRESS | 7 | SQ_FT | 34.73394 -118.14457 |
| CP_3010 PUB | DEPRESS | 2 | SQ_FT | 34.73437 -118.144569 |
| CP_3011 PUB | DEPRESS | 3 | SQ_FT | 34.73438 -118.144567 |
| CP_3012 PUB | DEPRESS | 7 | SQ_FT | 34.73403 -118.144561 |
| CP_3013 PUB | DEPRESS | 8 | SQ_FT | 34.73426 -118.144559 |
| CP_3014 PUB | DEPRESS | 9 | SQ_FT | 34.73408 -118.144558 |
| CP_3015 PUB | DEPRESS | 15 | SQ_FT | 34.73428 -118.144554 |

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|-------------|---------|---------|-------|----------|-------------|-------------|
| CP_3016 PUB | DEPRESS | 1 | SQ_FT | 34.7343 | -118.144553 | |
| CP_3017-001 | PUB | DEPRESS | 23 | SQ_FT | 34.73436 | -118.144552 |
| CP_3017-002 | PUB | DEPRESS | 1 | SQ_FT | 34.73436 | -118.144552 |
| CP_3018 PUB | DEPRESS | 20 | SQ_FT | 34.73457 | -118.144545 | |
| CP_3019 PUB | DEPRESS | 6 | SQ_FT | 34.73439 | -118.14454 | |
| CP_3020 PUB | DEPRESS | 13 | SQ_FT | 34.73257 | -118.144526 | |
| CP_3021 PUB | DEPRESS | 19 | SQ_FT | 34.73258 | -118.144489 | |
| PD_3022 PUB | DEPRESS | 178 | SQ_FT | 34.73477 | -118.144487 | |
| CP_3023 PUB | DEPRESS | 160 | SQ_FT | 34.73279 | -118.144484 | |
| PD_3024 PUB | DEPRESS | 256 | SQ_FT | 34.73524 | -118.144473 | |
| CP_3025 PUB | DEPRESS | 4 | SQ_FT | 34.73278 | -118.14442 | |
| CP_3026 PUB | DEPRESS | 2 | SQ_FT | 34.73201 | -118.14441 | |
| PD_3027 PUB | DEPRESS | 222 | SQ_FT | 34.73505 | -118.144401 | |
| CP_3028 PUB | DEPRESS | 4 | SQ_FT | 34.73201 | -118.144371 | |
| CP_3029 PUB | DEPRESS | 28 | SQ_FT | 34.73193 | -118.144356 | |
| CP_3030 PUB | DEPRESS | 20 | SQ_FT | 34.73151 | -118.144338 | |
| CP_3031 PUB | DEPRESS | 10 | SQ_FT | 34.73155 | -118.14424 | |
| CP_3032 PUB | DEPRESS | 37 | SQ_FT | 34.73256 | -118.144239 | |
| CP_3033 PUB | DEPRESS | 11 | SQ_FT | 34.73154 | -118.144223 | |
| CP_3034 PUB | DEPRESS | 11 | SQ_FT | 34.73151 | -118.144205 | |
| CP_3035 PUB | DEPRESS | 23 | SQ_FT | 34.72977 | -118.144202 | |
| CP_3036 PUB | DEPRESS | 175 | SQ_FT | 34.7297 | -118.144193 | |
| CP_3037 PUB | DEPRESS | 27 | SQ_FT | 34.72936 | -118.144164 | |
| CP_3038 PUB | DEPRESS | 3 | SQ_FT | 34.72934 | -118.144156 | |
| CP_3039 PUB | DEPRESS | 19 | SQ_FT | 34.73127 | -118.144151 | |
| CP_3040 PUB | DEPRESS | 11 | SQ_FT | 34.72935 | -118.144146 | |
| CP_3041 PUB | DEPRESS | 13 | SQ_FT | 34.72873 | -118.144142 | |
| CP_3042 PUB | DEPRESS | 9 | SQ_FT | 34.72876 | -118.14414 | |
| CP_3043 PUB | DEPRESS | 62 | SQ_FT | 34.72866 | -118.144139 | |
| CP_3044 PUB | DEPRESS | 172 | SQ_FT | 34.72837 | -118.144134 | |
| CP_3045 PUB | DEPRESS | 10 | SQ_FT | 34.72859 | -118.144129 | |
| CP_3046 PUB | DEPRESS | 29 | SQ_FT | 34.72755 | -118.144126 | |
| CP_3047 PUB | DEPRESS | 494 | SQ_FT | 34.72806 | -118.144125 | |
| CP_3048 PUB | DEPRESS | 51 | SQ_FT | 34.72783 | -118.144125 | |
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| CP_3051 PUB | DEPRESS | 12 | SQ_FT | 34.7278 | -118.144115 | |
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| CP_3054 PUB | DEPRESS | 10 | SQ_FT | 34.72761 | -118.144106 | |
| CP_3055 PUB | DEPRESS | 3 | SQ_FT | 34.72783 | -118.144102 | |
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| CP_3057 PUB | DEPRESS | 18 | SQ_FT | 34.73461 | -118.143959 | |
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| CP_3060 PUB | DEPRESS | 8 | SQ_FT | 34.73232 | -118.143858 | |
| CP_3061 PUB | DEPRESS | 13 | SQ_FT | 34.7328 | -118.143853 | |
| CP_3062 PUB | DEPRESS | 70 | SQ_FT | 34.73454 | -118.143814 | |
| CP_3063 PUB | DEPRESS | 4 | SQ_FT | 34.73241 | -118.143773 | |
| PD_3064 PUB | DEPRESS | 183 | SQ_FT | 34.73487 | -118.143736 | |
| CP_3065 PUB | DEPRESS | 95 | SQ_FT | 34.73462 | -118.143732 | |
| PD_3066 PUB | DEPRESS | 23 | SQ_FT | 34.73537 | -118.143697 | |
| CP_3067 PUB | DEPRESS | 12 | SQ_FT | 34.73168 | -118.143696 | |
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| PD_3069 PUB | DEPRESS | 28 | SQ_FT | 34.73543 | -118.143657 | |
| CP_3070 PUB | DEPRESS | 26 | SQ_FT | 34.73208 | -118.143649 | |
| PD_3071 PUB | DEPRESS | 11 | SQ_FT | 34.73487 | -118.143622 | |
| CP_3072 PUB | DEPRESS | 93 | SQ_FT | 34.73177 | -118.143618 | |
| CP_3073 PUB | DEPRESS | 182 | SQ_FT | 34.73165 | -118.143565 | |
| CP_3074 PUB | DEPRESS | 70 | SQ_FT | 34.7316 | -118.143529 | |
| PD_3075 PUB | DEPRESS | 31 | SQ_FT | 34.73487 | -118.14351 | |
| CP_3076 PUB | DEPRESS | 6 | SQ_FT | 34.73207 | -118.143491 | |
| CP_3077 PUB | DEPRESS | 31 | SQ_FT | 34.7345 | -118.143487 | |
| CP_3078 PUB | DEPRESS | 143 | SQ_FT | 34.72937 | -118.143415 | |
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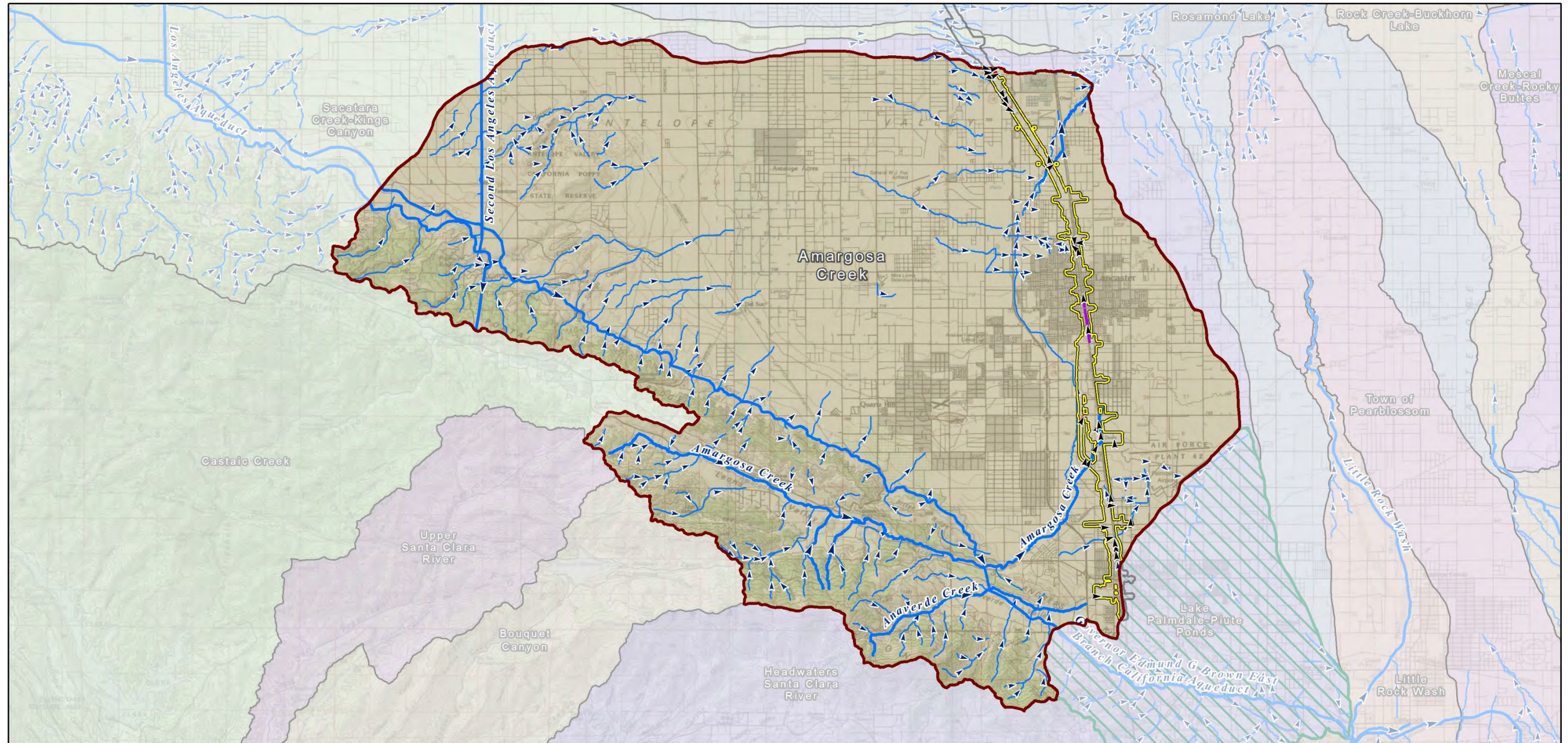
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| PD_3086 PUB | DEPRESS | 16 | SQ_FT | 34.73548 -118.143102 |
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| CP_3088 PUB | DEPRESS | 0.11 | ACRE | 34.73144 -118.142909 |
| CP_3089 PUB | DEPRESS | 342 | SQ_FT | 34.7346 -118.142897 |
| CP_3090 PUB | DEPRESS | 14 | SQ_FT | 34.73132 -118.142787 |
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| CP_3092 PUB | DEPRESS | 480 | SQ_FT | 34.73453 -118.14278 |
| PD_3093 PUB | DEPRESS | 10 | SQ_FT | 34.73525 -118.142776 |
| PD_3094 PUB | DEPRESS | 4 | SQ_FT | 34.73521 -118.142773 |
| PD_3095 PUB | DEPRESS | 3 | SQ_FT | 34.73521 -118.142762 |
| CP_3096 PUB | DEPRESS | 57 | SQ_FT | 34.73472 -118.14271 |
| CP_3097 PUB | DEPRESS | 465 | SQ_FT | 34.73414 -118.14267 |
| CP_3098 PUB | DEPRESS | 356.00 | SQ_FT | 34.73427 -118.142631 |
| CP_3099 PUB | DEPRESS | 0.03 | ACRE | 34.73201 -118.142284 |
| CP_3100 PUB | DEPRESS | 50 | SQ_FT | 34.73464 -118.142047 |
| CP_3101 PUB | DEPRESS | 55 | SQ_FT | 34.73519 -118.141993 |
| CP_3102 PUB | DEPRESS | 110 | SQ_FT | 34.73394 -118.141969 |
| CP_3103 PUB | DEPRESS | 154 | SQ_FT | 34.73386 -118.14195 |
| CP_3104 PUB | DEPRESS | 61 | SQ_FT | 34.73547 -118.141949 |
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| CP_3112 PUB | DEPRESS | 15 | SQ_FT | 34.73068 -118.14128 |
| CP_3113 PUB | DEPRESS | 74 | SQ_FT | 34.72944 -118.14123 |
| CP_3114 PUB | DEPRESS | 45 | SQ_FT | 34.72915 -118.141177 |
| CP_3115 PUB | DEPRESS | 167 | SQ_FT | 34.72982 -118.141149 |
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| CP_3120 PUB | DEPRESS | 18 | SQ_FT | 34.72934 -118.141067 |
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| CP_3125 PUB | DEPRESS | 23 | SQ_FT | 34.72999 -118.141038 |
| CP_3126 PUB | DEPRESS | 86 | SQ_FT | 34.73118 -118.141017 |
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| CP_3130 PUB | DEPRESS | 186 | SQ_FT | 34.72953 -118.140944 |
| CP_3131 PUB | DEPRESS | 32 | SQ_FT | 34.7276 -118.14093 |
| CP_3132 PUB | DEPRESS | 83 | SQ_FT | 34.72853 -118.140929 |
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| PD_3184 PUB | DEPRESS | 313 | SQ_FT | 34.73346 -118.138108 |
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| CP_3235 PUB | DEPRESS | 27 | SQ_FT | 34.72618 -118.140706 |
| CP_3236 PUB | DEPRESS | 67 | SQ_FT | 34.72611 -118.140693 |
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| CP_3246-001 | PUB DEPRESS | 39 | SQ_FT | 34.72634 -118.139882 |
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| CP_3248 PUB | DEPRESS | 63 | SQ_FT | 34.72682 -118.139839 |
| CP_3249 PUB | DEPRESS | 22 | SQ_FT | 34.72473 -118.139807 |
| CP_3250 PUB | DEPRESS | 24 | SQ_FT | 34.72623 -118.139687 |
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| CP_3252 PUB | DEPRESS | 73 | SQ_FT | 34.72629 -118.139672 |
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| CP_3264 PUB | DEPRESS | 13 | SQ_FT | 34.72251 -118.139028 |
| CP_3265 PUB | DEPRESS | 104 | SQ_FT | 34.72244 -118.138986 |
| CP_3266 PUB | DEPRESS | 53.00 | SQ_FT | 34.72044 -118.138963 |
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| CP_3269 PUB | DEPRESS | 107 | SQ_FT | 34.72304 -118.13883 |
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| CP_3271 PUB | DEPRESS | 14 | SQ_FT | 34.72257 -118.138515 |
| CP_3272 PUB | DEPRESS | 39.00 | SQ_FT | 34.72156 -118.138428 |
| CP_3273 PUB | DEPRESS | 0.04 | ACRE | 34.71861 -118.147788 |
| CP_3274 PUB | DEPRESS | 21.00 | SQ_FT | 34.71946 -118.146244 |
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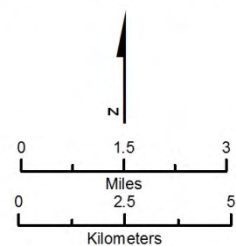
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| PD_3288 PUB | DEPRESS | 73 | SQ_FT | 34.71815 | -118.139616 |
| PD_3289 PUB | DEPRESS | 68 | SQ_FT | 34.71158 | -118.138387 |
| CP_3290 PUB | DEPRESS | 90 | SQ_FT | 34.71518 | -118.138114 |
| PD_3291 PUB | DEPRESS | 130.00 | SQ_FT | 34.71386 | -118.13796 |
| CP_3292 PUB | DEPRESS | 0.02 | ACRE | 34.715 | -118.137868 |
| PD_3293 PUB | DEPRESS | 84.00 | SQ_FT | 34.71387 | -118.137862 |
| PD_3294 PUB | DEPRESS | 0.02 | ACRE | 34.71379 | -118.137765 |
| CP_3295 PUB | DEPRESS | 0.08 | ACRE | 34.71681 | -118.137249 |
| CP_3296 PUB | DEPRESS | 42 | SQ_FT | 34.71618 | -118.137224 |
| CP_3297 PUB | DEPRESS | 141 | SQ_FT | 34.71542 | -118.137157 |
| CP_3298 PUB | DEPRESS | 13 | SQ_FT | 34.71504 | -118.136838 |
| CP_3299 PUB | DEPRESS | 9 | SQ_FT | 34.7173 | -118.136811 |
| CP_3300 PUB | DEPRESS | 11 | SQ_FT | 34.71731 | -118.136789 |
| PD_3301 PUB | DEPRESS | 1.00 | SQ_FT | 34.7145 | -118.136749 |
| CP_3302 PUB | DEPRESS | 0.05 | ACRE | 34.71581 | -118.136738 |
| CP_3303 PUB | DEPRESS | 0.03 | ACRE | 34.71686 | -118.1365 |
| CP_3304 PUB | DEPRESS | 120 | SQ_FT | 34.71636 | -118.136461 |
| CP_3305 PUB | DEPRESS | 46 | SQ_FT | 34.71761 | -118.136329 |
| CP_3306 PUB | DEPRESS | 339 | SQ_FT | 34.71599 | -118.136319 |
| CP_3307 PUB | DEPRESS | 56 | SQ_FT | 34.71669 | -118.13627 |
| CP_3308 PUB | DEPRESS | 11 | SQ_FT | 34.71886 | -118.136013 |
| CP_3309 PUB | DEPRESS | 38 | SQ_FT | 34.71885 | -118.135962 |
| CP_3310 PUB | DEPRESS | 14 | SQ_FT | 34.71895 | -118.135217 |
| CP_3311 PUB | DEPRESS | 138.00 | SQ_FT | 34.71876 | -118.134597 |
| CP_3312 PUB | DEPRESS | 0.01 | ACRE | 34.7182 | -118.134172 |
| CP_3313 PUB | DEPRESS | 234 | SQ_FT | 34.71826 | -118.134098 |
| CP_3314 PUB | DEPRESS | 483 | SQ_FT | 34.71768 | -118.133773 |
| CP_3315 PUB | DEPRESS | 107.00 | SQ_FT | 34.71828 | -118.13342 |
| PD_3316 PUB | DEPRESS | 0.06 | ACRE | 34.70424 | -118.144209 |
| PD_3317 PUB | DEPRESS | 3 | SQ_FT | 34.70366 | -118.141855 |
| PD_3318 PUB | DEPRESS | 74 | SQ_FT | 34.70789 | -118.138675 |
| PD_3319 PUB | DEPRESS | 24 | SQ_FT | 34.70786 | -118.138634 |
| PD_3320 PUB | DEPRESS | 13 | SQ_FT | 34.70919 | -118.138201 |
| PD_3321 PUB | DEPRESS | 214 | SQ_FT | 34.70575 | -118.137953 |
| PD_3322 PUB | DEPRESS | 56 | SQ_FT | 34.70549 | -118.137876 |
| PD_3323 PUB | DEPRESS | 39 | SQ_FT | 34.70572 | -118.137804 |
| PD_3324 PUB | DEPRESS | 10 | SQ_FT | 34.70566 | -118.137773 |
| PD_3325 PUB | DEPRESS | 10 | SQ_FT | 34.7086 | -118.136237 |
| PD_3326 PUB | DEPRESS | 24 | SQ_FT | 34.70723 | -118.135946 |
| PD_3327 PUB | DEPRESS | 8 | SQ_FT | 34.70345 | -118.141684 |
| PD_3328 PUB | DEPRESS | 23 | SQ_FT | 34.70177 | -118.136376 |
| PD_3329 PUB | DEPRESS | 34 | SQ_FT | 34.70149 | -118.13636 |
| PD_3330 PUB | DEPRESS | 24.00 | SQ_FT | 34.70116 | -118.136325 |
| PD_3331 PUB | DEPRESS | 0.01 | ACRE | 34.70149 | -118.136312 |
| PD_3332 PUB | DEPRESS | 245.0 | SQ_FT | 34.70355 | -118.13098 |
| CP_3347-039 | PUB DEPRESS | 0.1 | SQ_FT | 34.78484 | -118.180517 |
| CP_3348-038 | PUB DEPRESS | 0.2 | SQ_FT | 34.78349 | -118.179818 |
| CP_3349-001 | PUB DEPRESS | 3 | SQ_FT | 34.74934 | -118.152331 |
| CP_3349-002 | PUB DEPRESS | 4 | SQ_FT | 34.74934 | -118.152331 |
| CP_3349-003 | PUB DEPRESS | 3 | SQ_FT | 34.74934 | -118.152331 |
| CP_3349-004 | PUB DEPRESS | 14 | SQ_FT | 34.74934 | -118.152331 |
| CP_3350-001 | PUB DEPRESS | 10 | SQ_FT | 34.74615 | -118.152025 |
| CP_3350-002 | PUB DEPRESS | 2 | SQ_FT | 34.74615 | -118.152025 |
| CP_3351-031 | PUB DEPRESS | 3 | SQ_FT | 34.74826 | -118.151967 |

| | | | | | | |
|-------------|-----|---------|----|-------|----------|--------------|
| CP_3352-030 | PUB | DEPRESS | 17 | SQ_FT | 34.7462 | -118.151845 |
| CP_3353-001 | PUB | DEPRESS | 3 | SQ_FT | 34.74902 | -118.151836 |
| CP_3353-002 | PUB | DEPRESS | 5 | SQ_FT | 34.74902 | -118.151836. |



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 21, 2016



BP HSR Mapped Streams with OHWM in Amargosa Creek Watershed Study Area

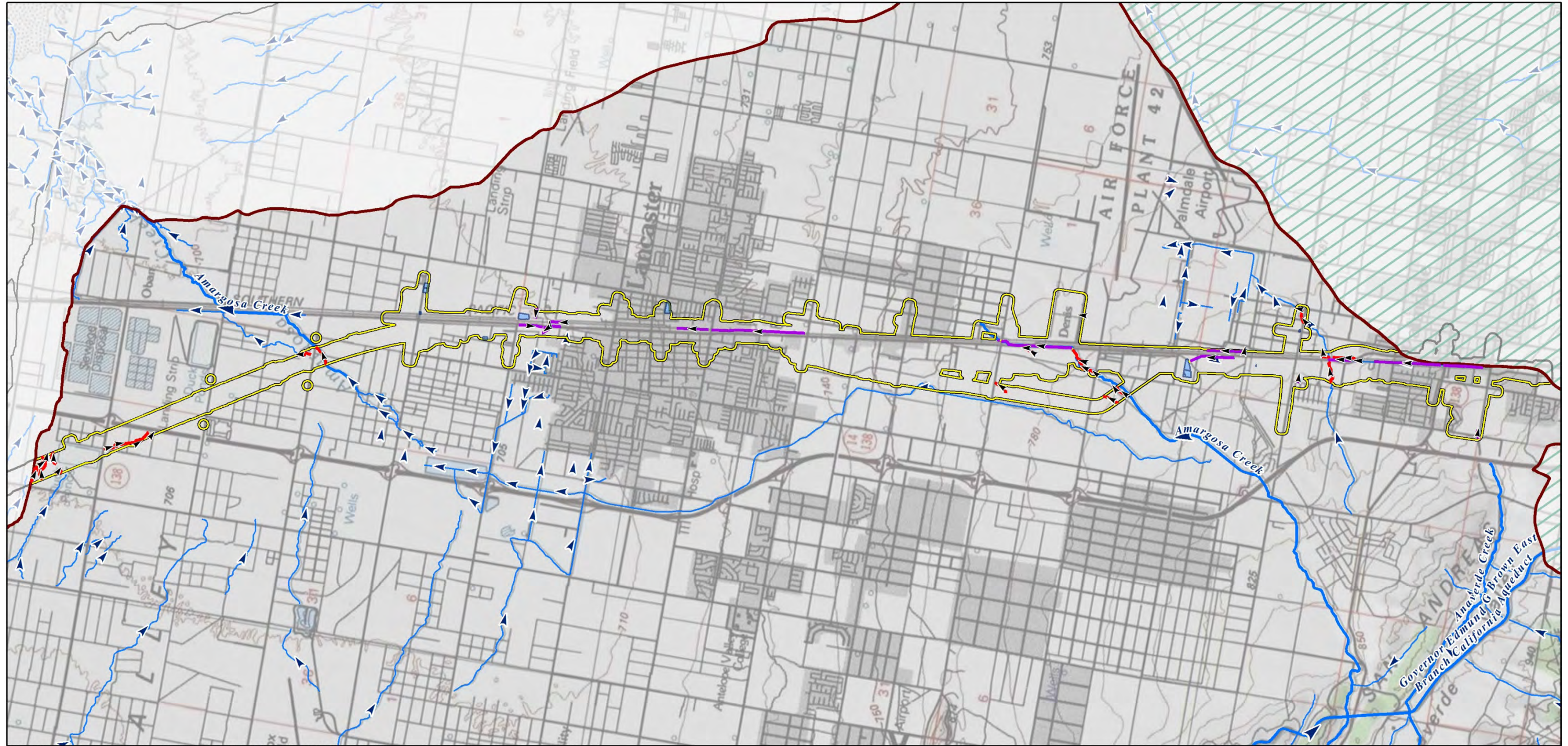
- Culvert
- Ephemeral Stream
- Ditch

- Study Area in the Amargosa Creek Watershed
- Amargosa Creek Watershed HUC-10
- Other HUC-10 Watersheds

- Wetlands Study Area (Project Footprint + 250 ft Buffer)
- Lake Palmdale HUC-12 Watershed
- Direction of flow based on NHD flowlines

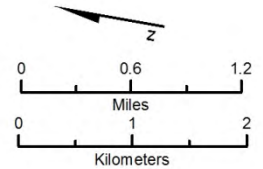
Amargosa Creek Watershed Hydrologic Connectivity





PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 21, 2016



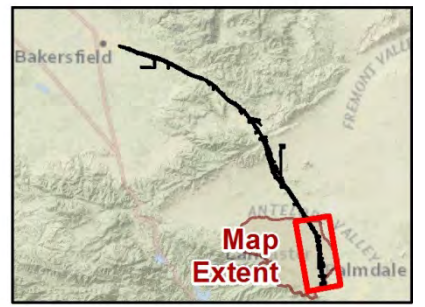
BP HSR Mapped Streams with OHWM in Amargosa Creek Watershed Study Area

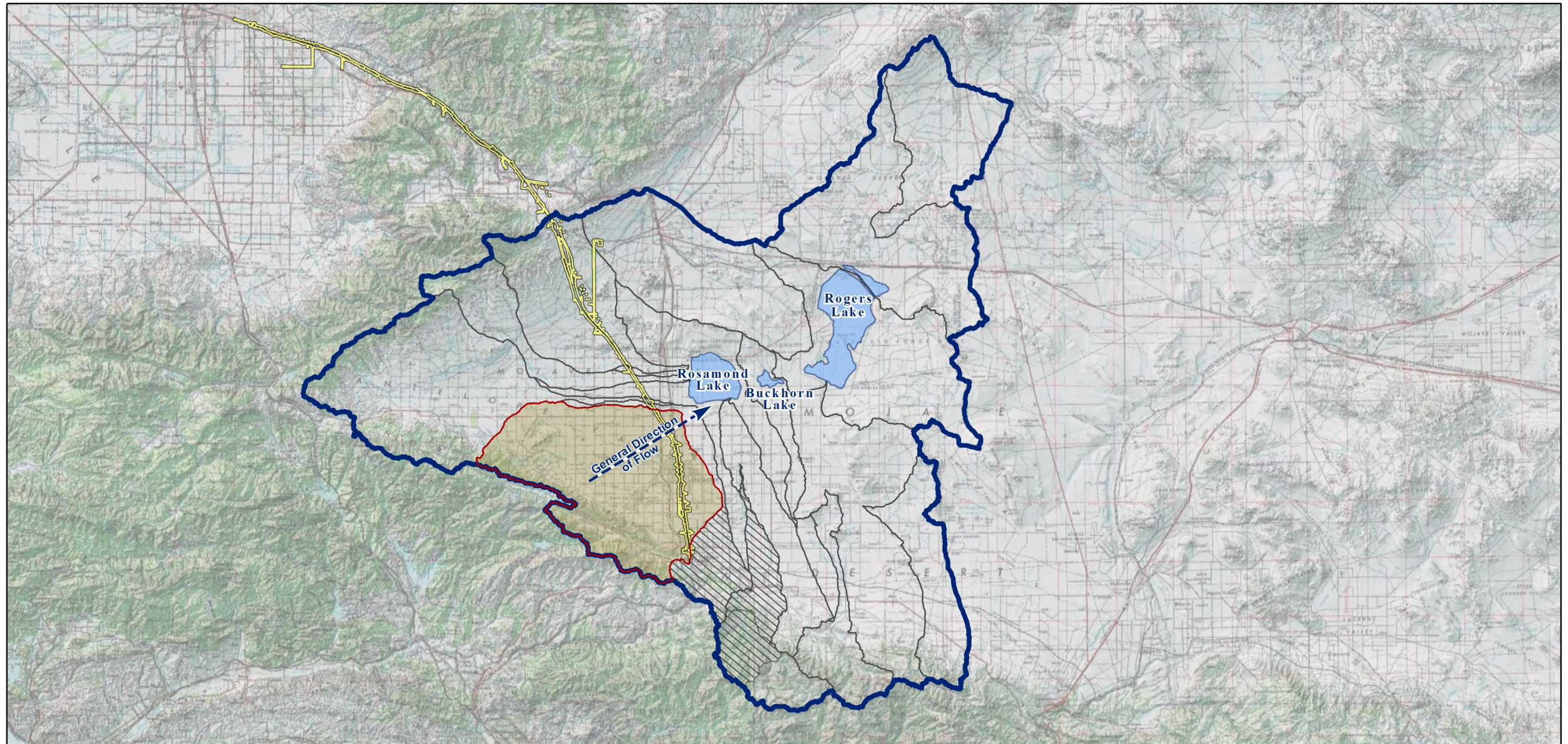
- Culvert
- Ephemeral Stream
- Ditch

- Study Area in the Amargosa Creek Watershed
- Amargosa Creek Watershed HUC-10
- Wetlands Study Area (Project Footprint + 250 ft Buffer)

- Lake Palmdale HUC-12 Watershed
- Direction of flow based on NHD flowlines
- Basins

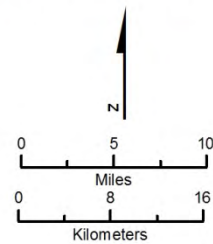
Amargosa Creek Watershed Study Area Hydrologic Connectivity





PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 17, 2016

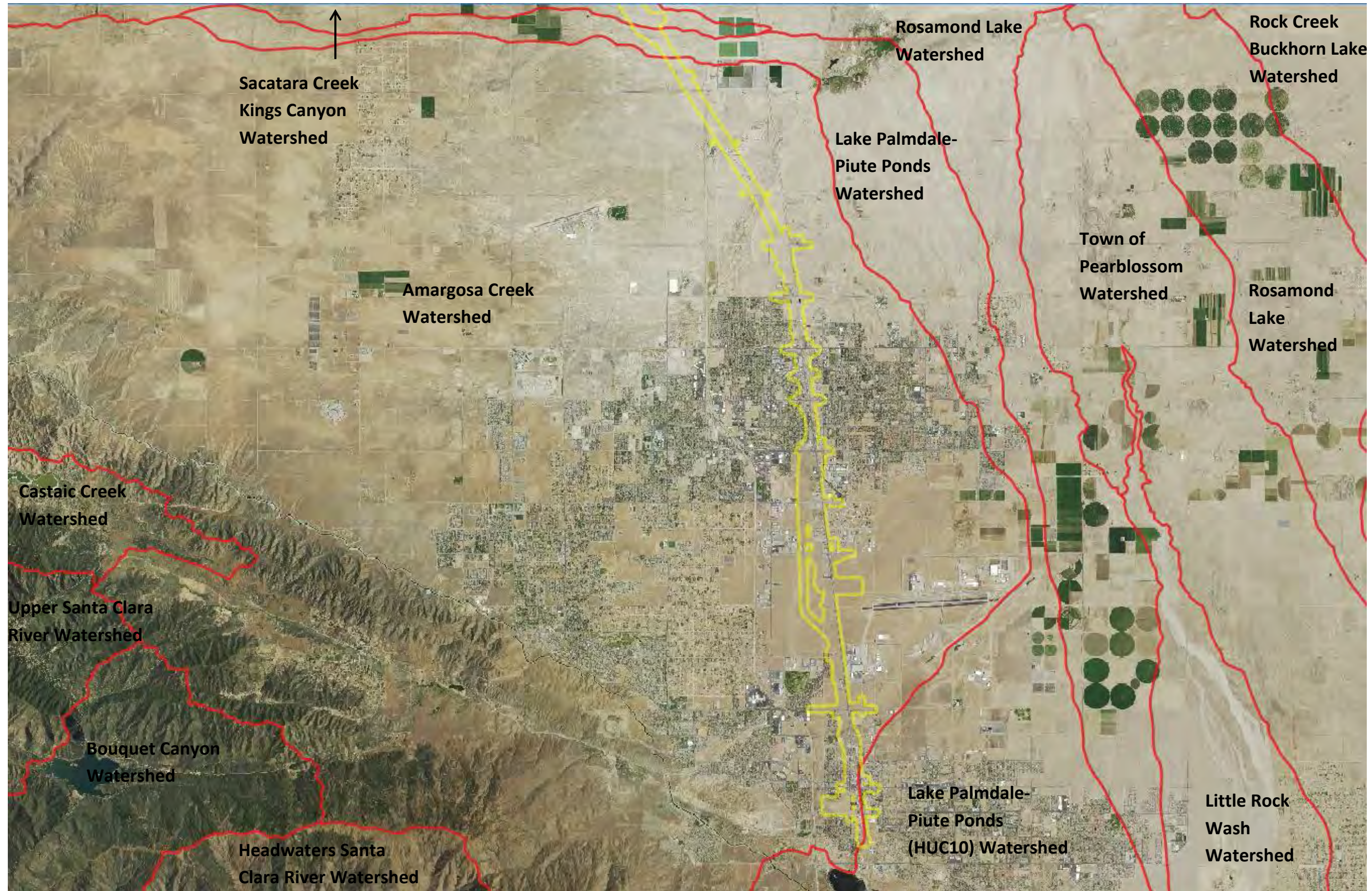


- Amargosa Creek Watershed HUC-10
- Antelope Valley Watershed (as described in SPL-2011-01084-SLP)
- Wetlands Study Area (Project Footprint + 250 ft Buffer)
- HUC-12 Watersheds excluded from SPL-2011-01084-SLP

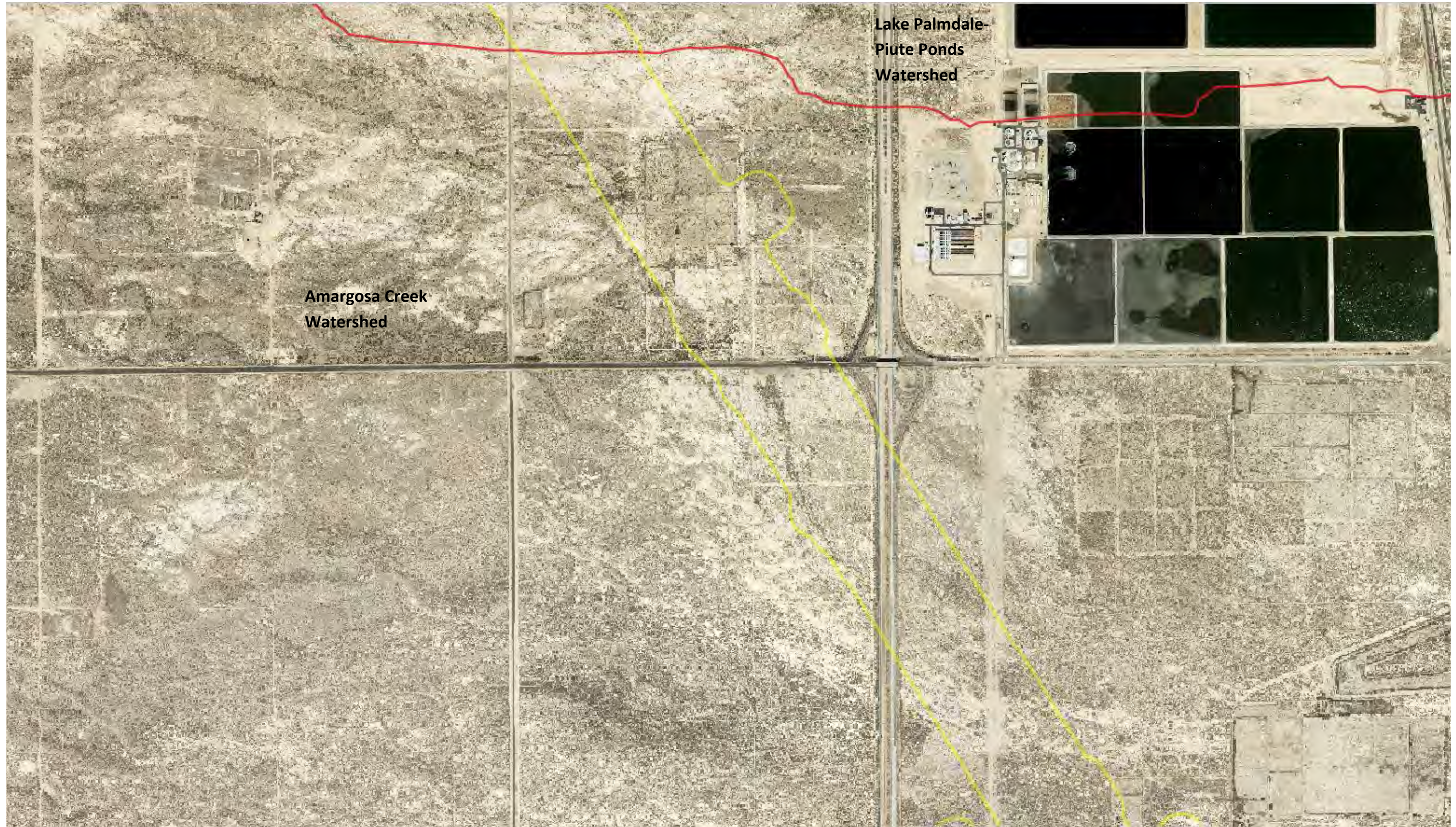
The U.S. Army Corps of Engineers issued a SWANCC watershed-level Approved Jurisdictional Determination for Antelope Valley (HUC 10 #s 1809020609 through 1809020624) on June 7, 2013. Note that this determination specifically excluded the areas of Lake Palmdale and all waters tributary to Lake Palmdale (portions of HUC 12 #s 180902061501, 180902061102, 180902061103). This figure illustrates the location of the study area relative to the previous watershed-level decision.



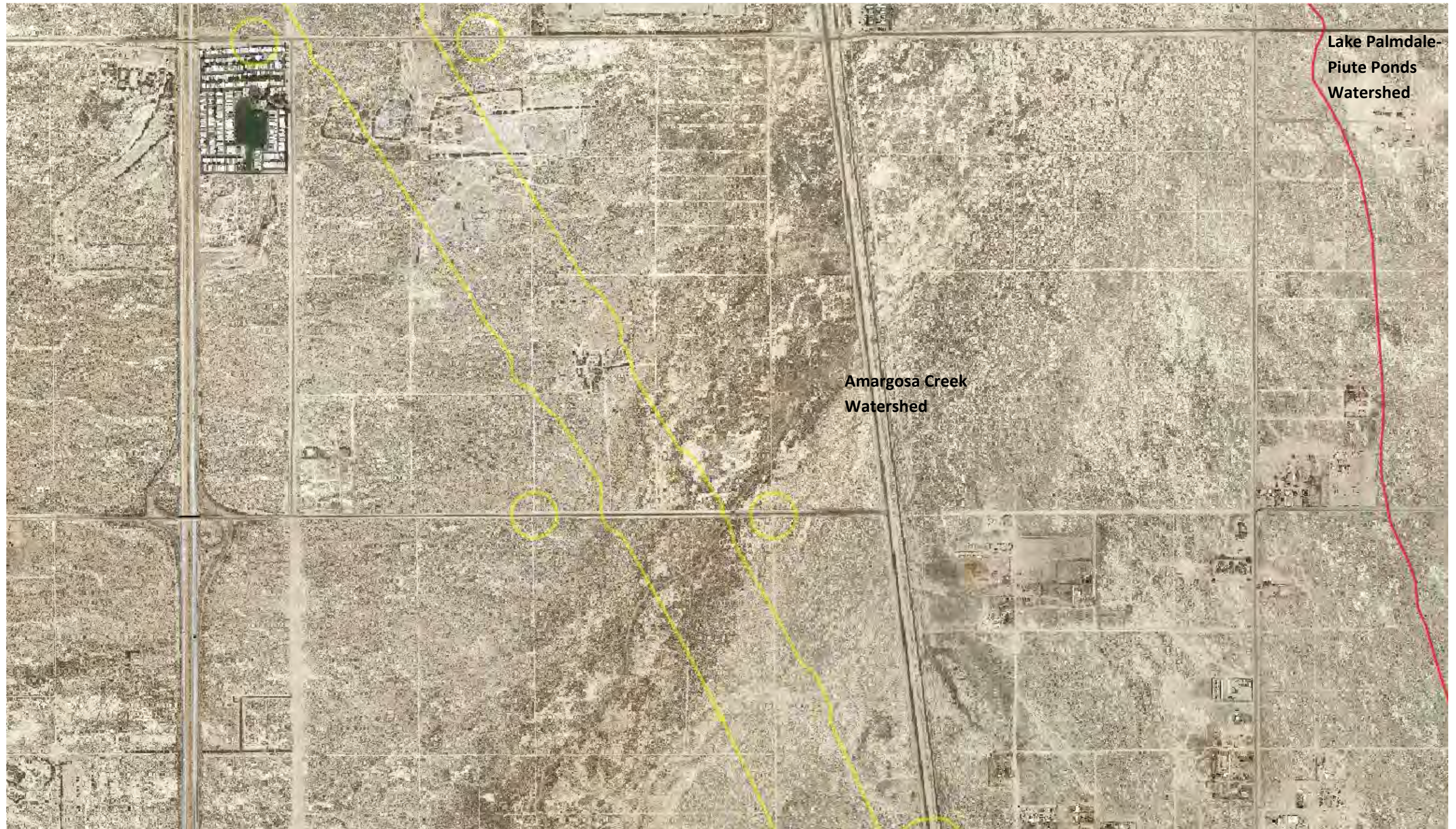
**Amargosa Creek Watershed
 Location Within Antelope Valley Watershed**



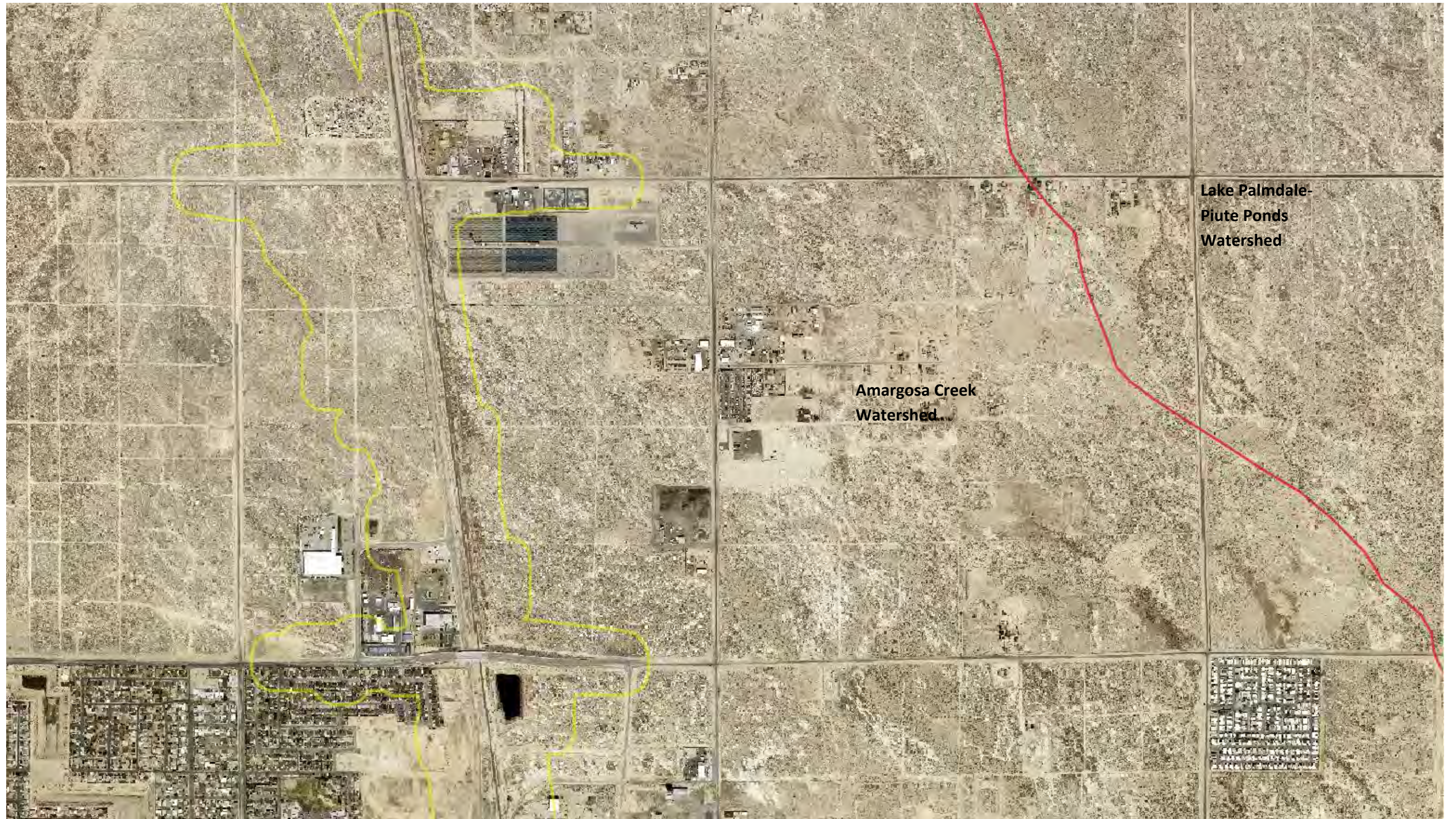
NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Amargosa Creek Watershed

Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.

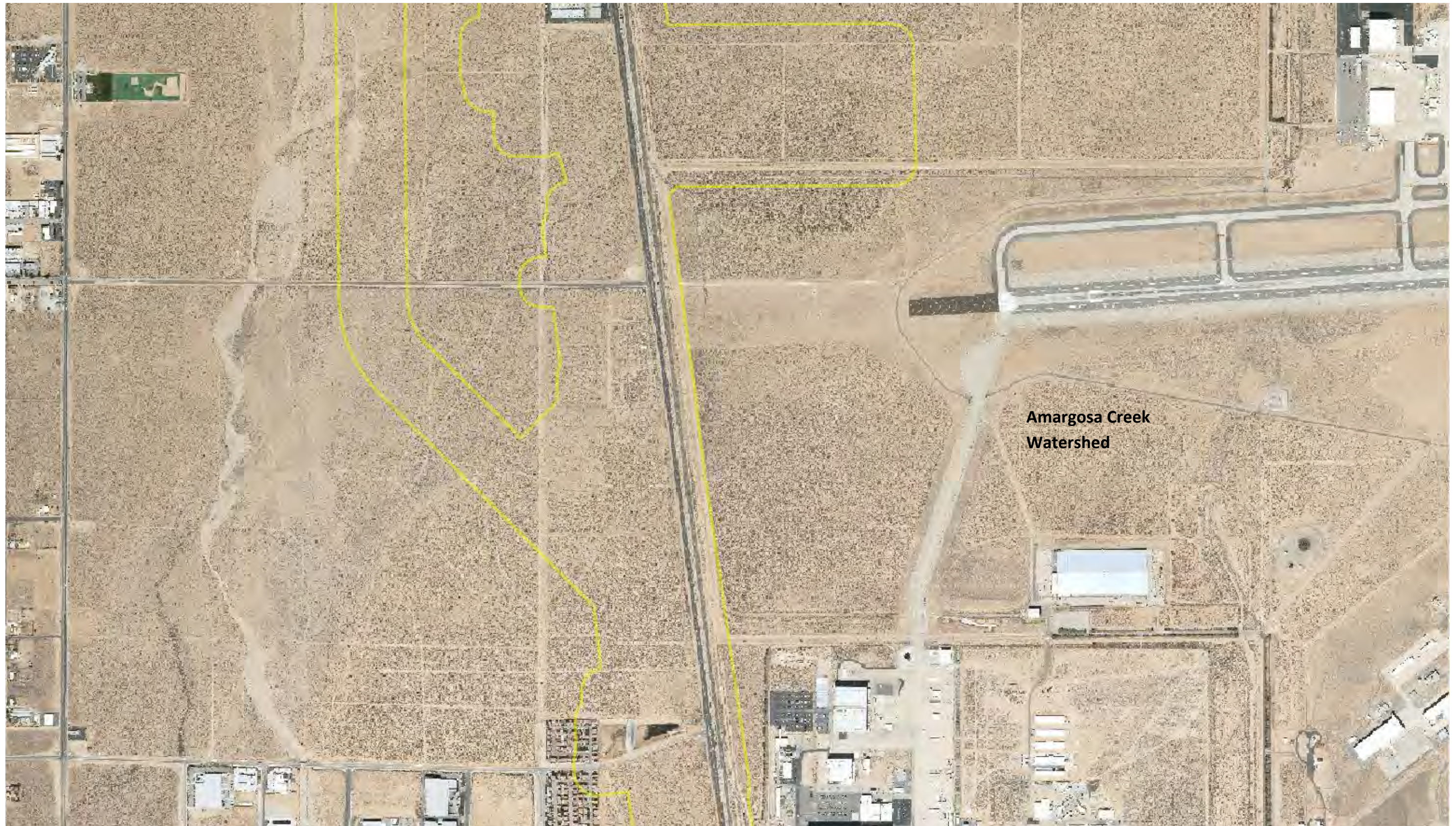


**Amargosa Creek
Watershed**

Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.

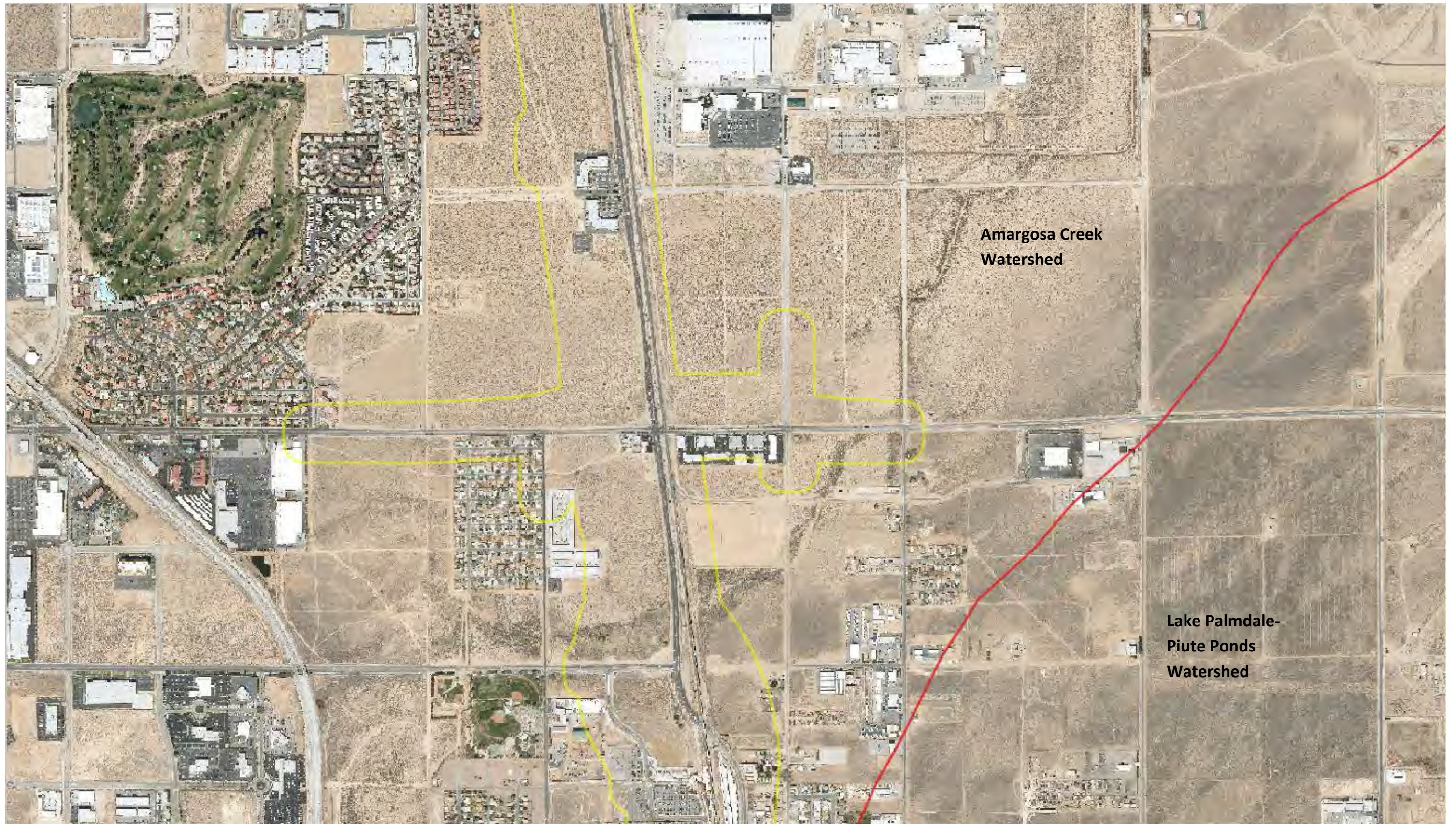


Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Amargosa Creek
Watershed

Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



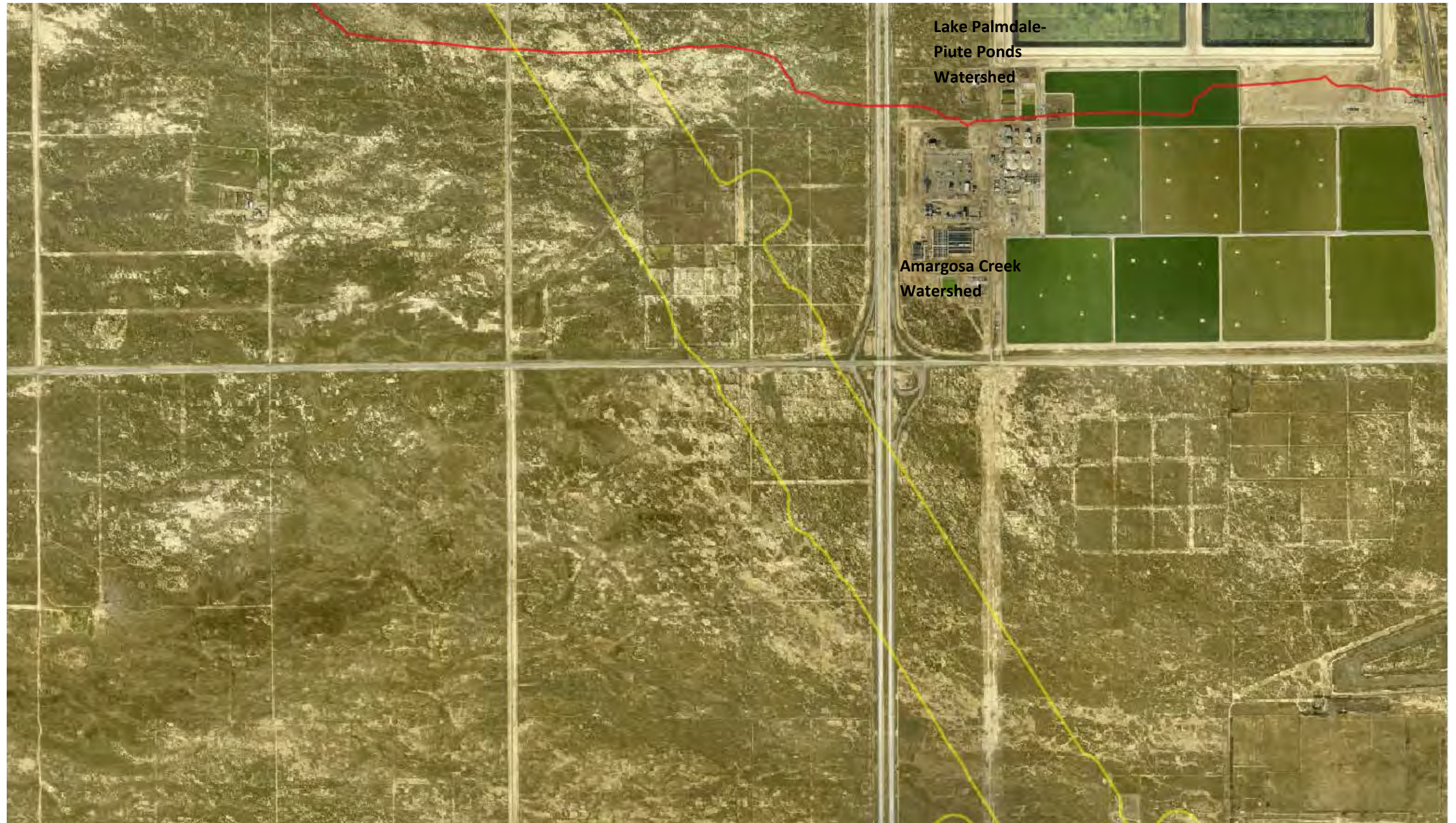
Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



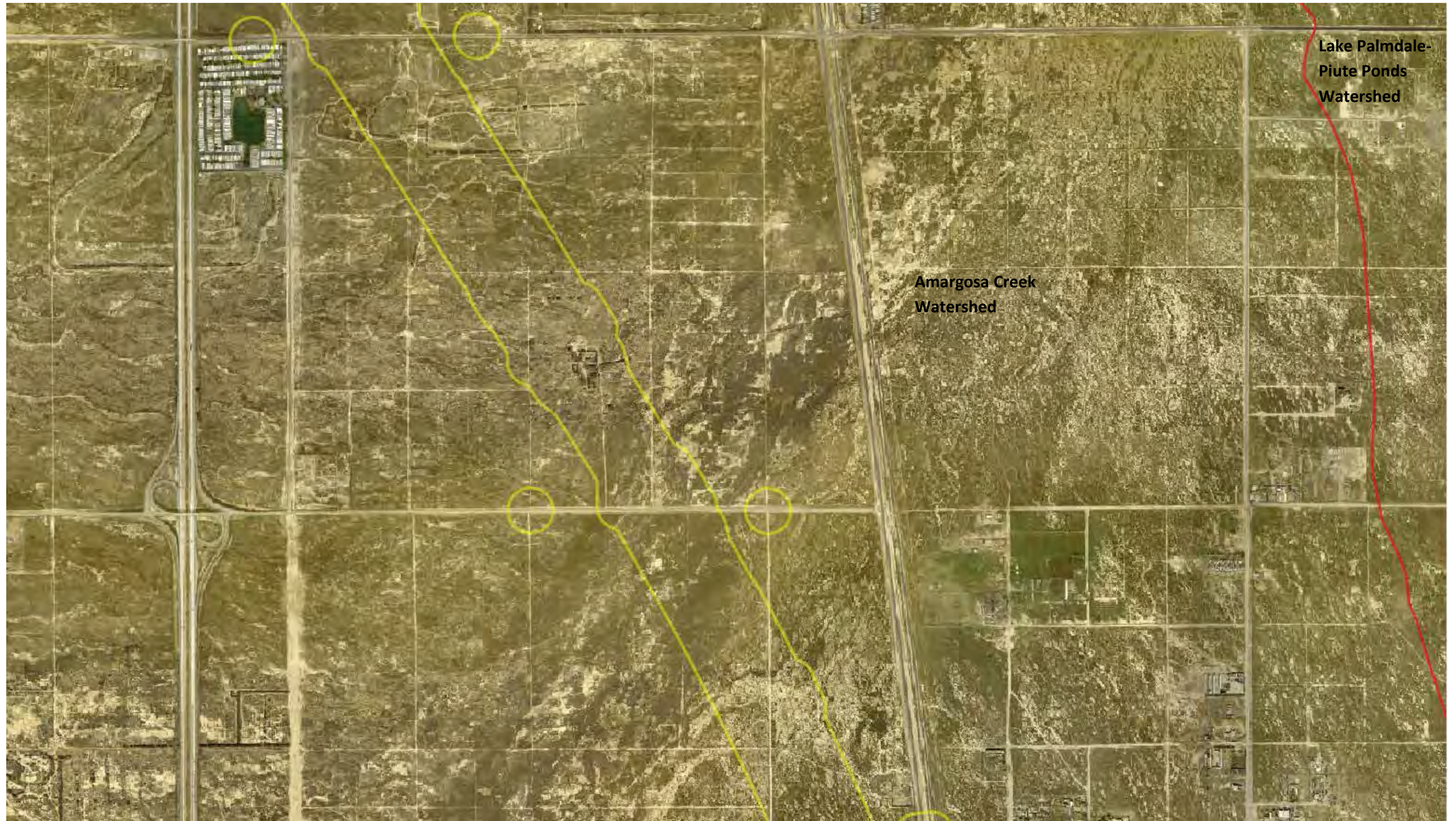
Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Los Angeles County 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Los Angeles County 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



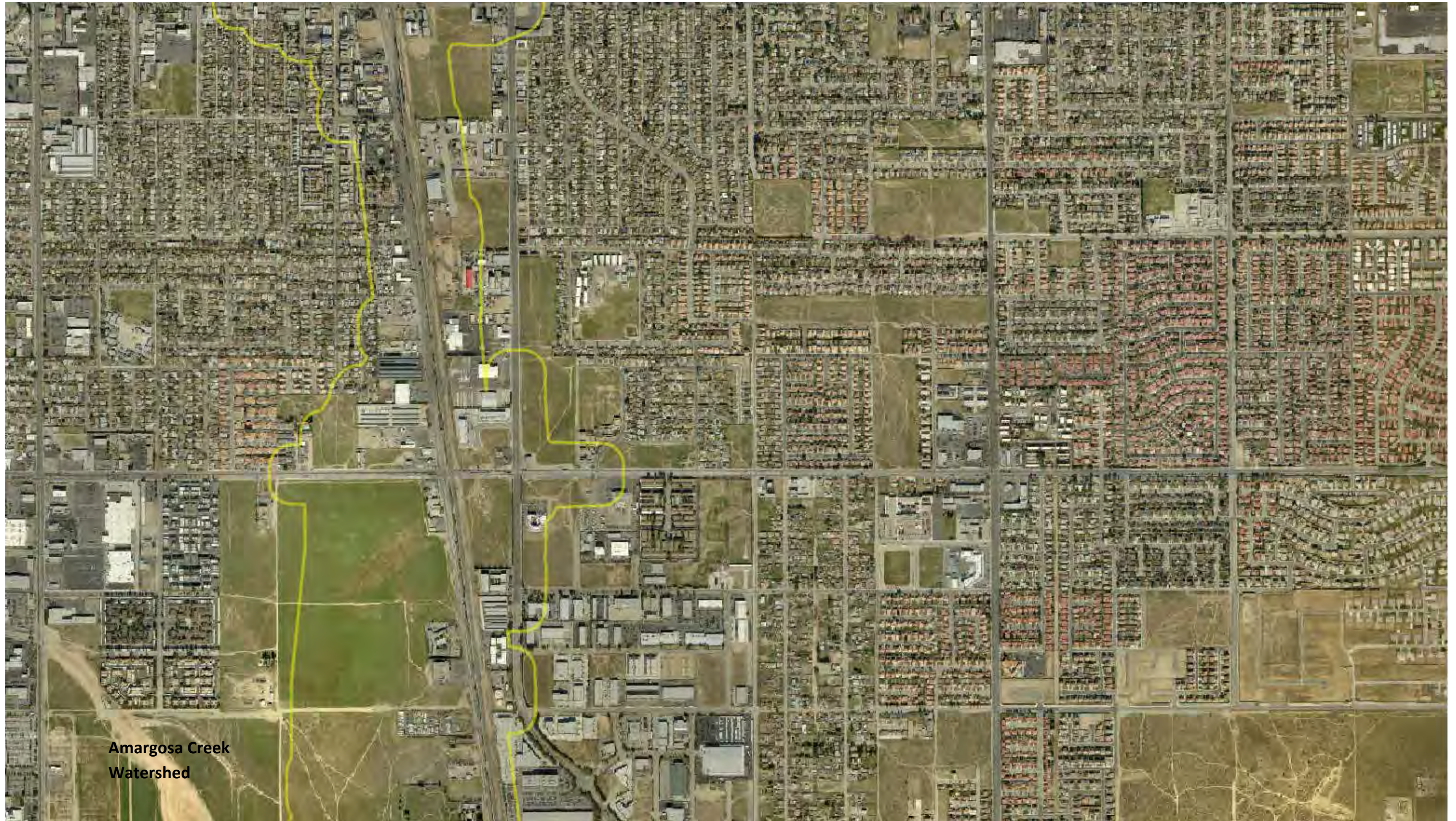
Los Angeles County 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Los Angeles County 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



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Los Angeles County 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Los Angeles County 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



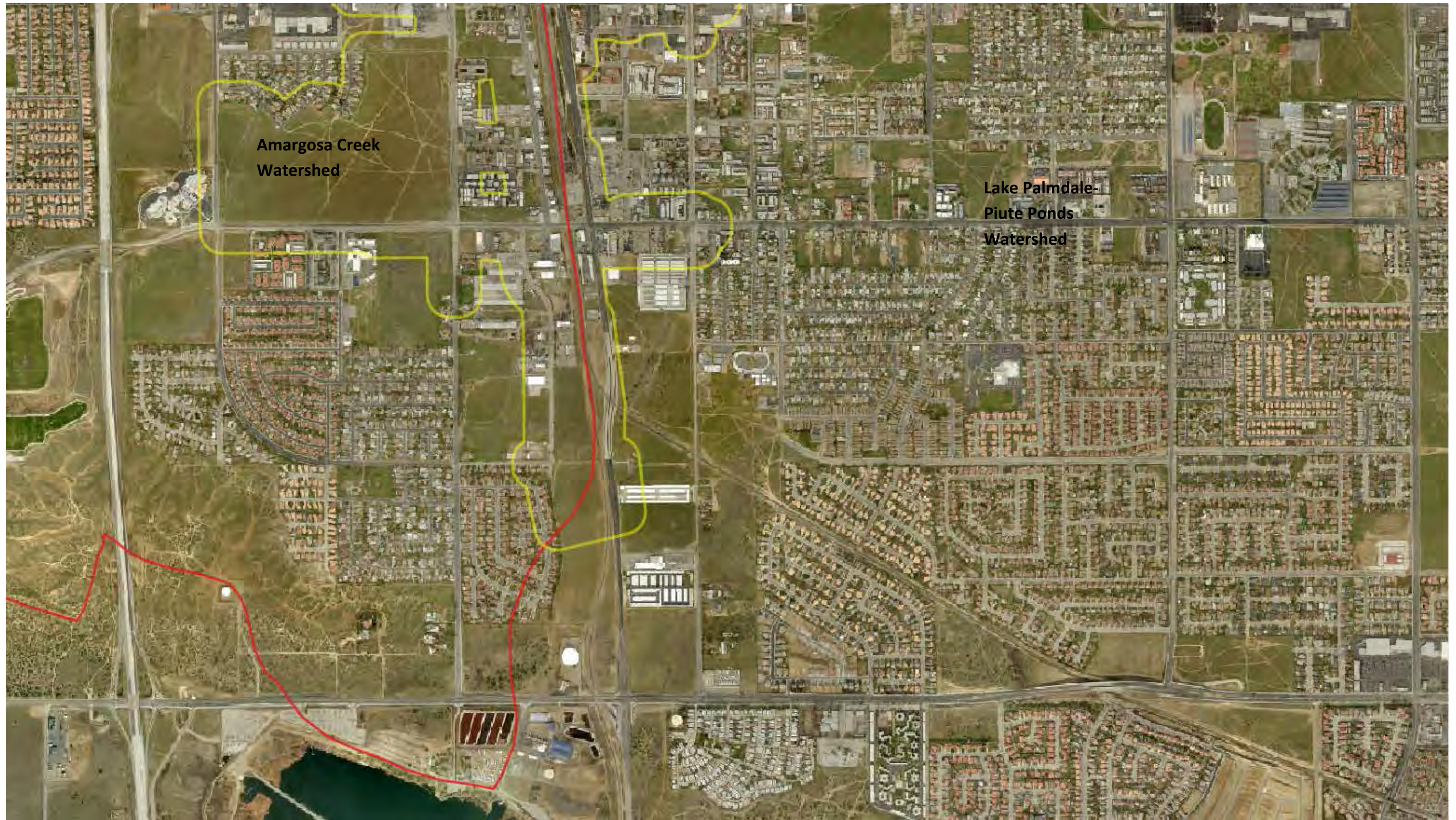
Los Angeles County 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



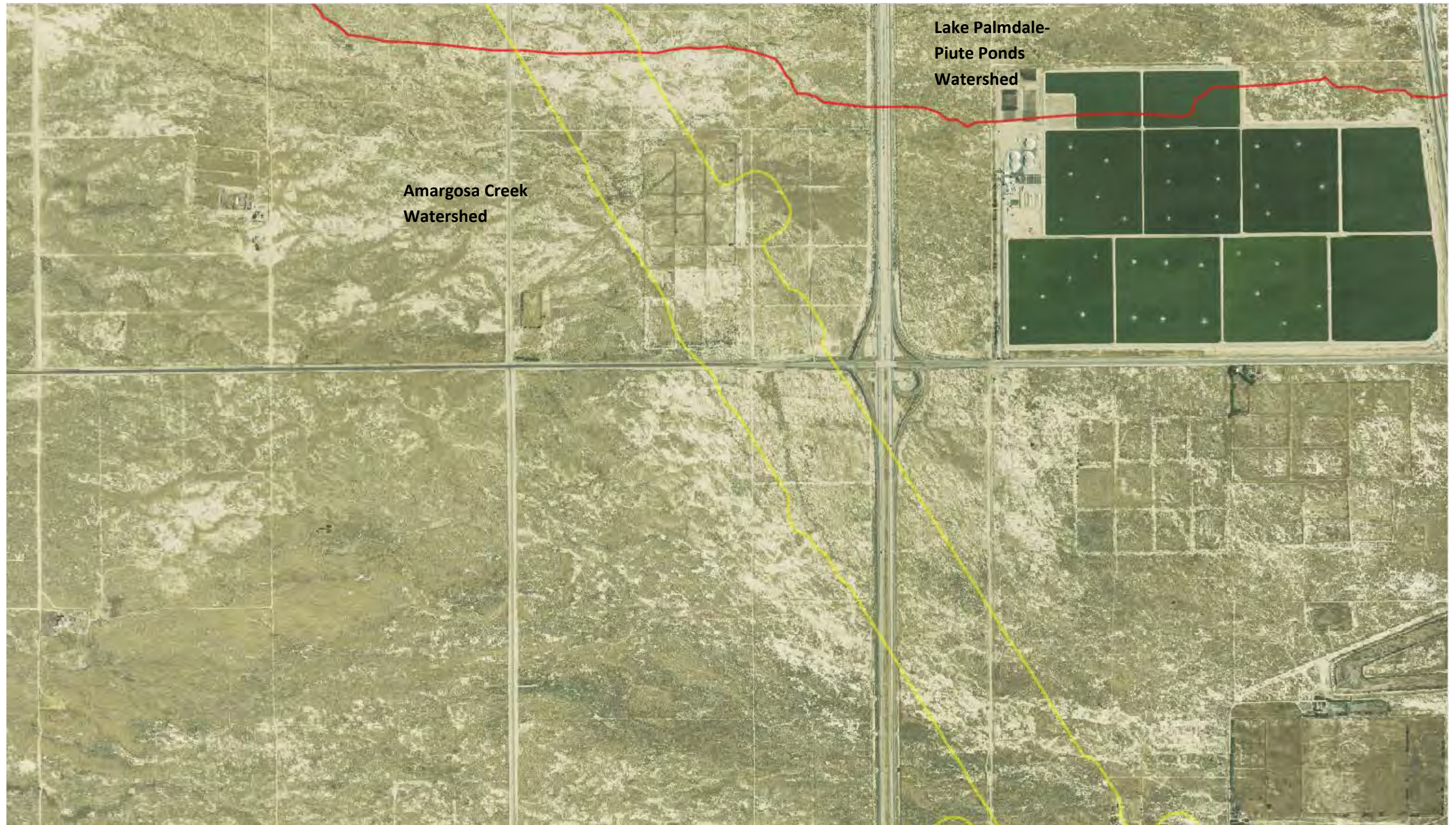
Los Angeles County 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



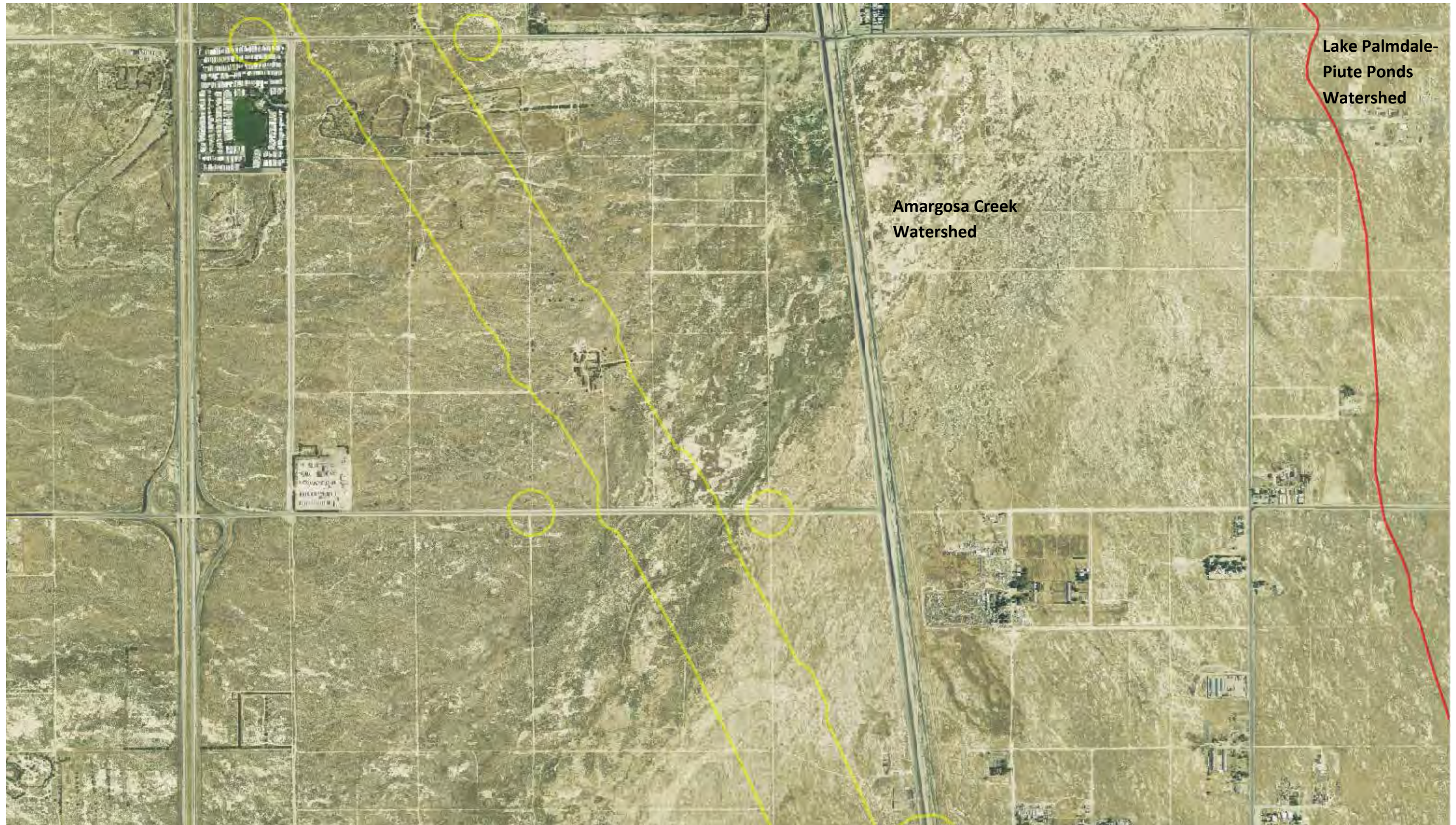
Los Angeles County 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



Los Angeles County 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



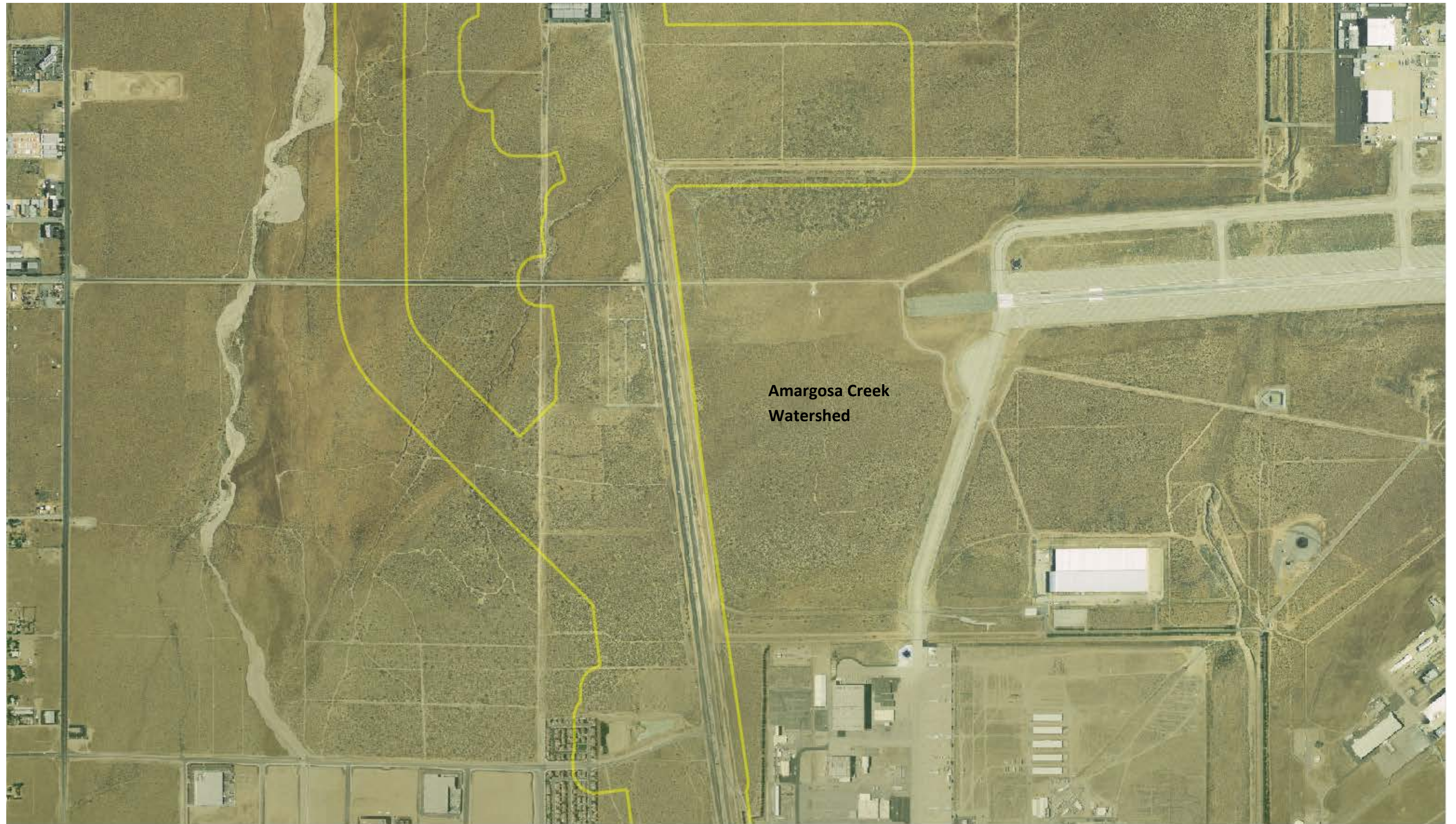
Amargosa Creek Watershed

NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.

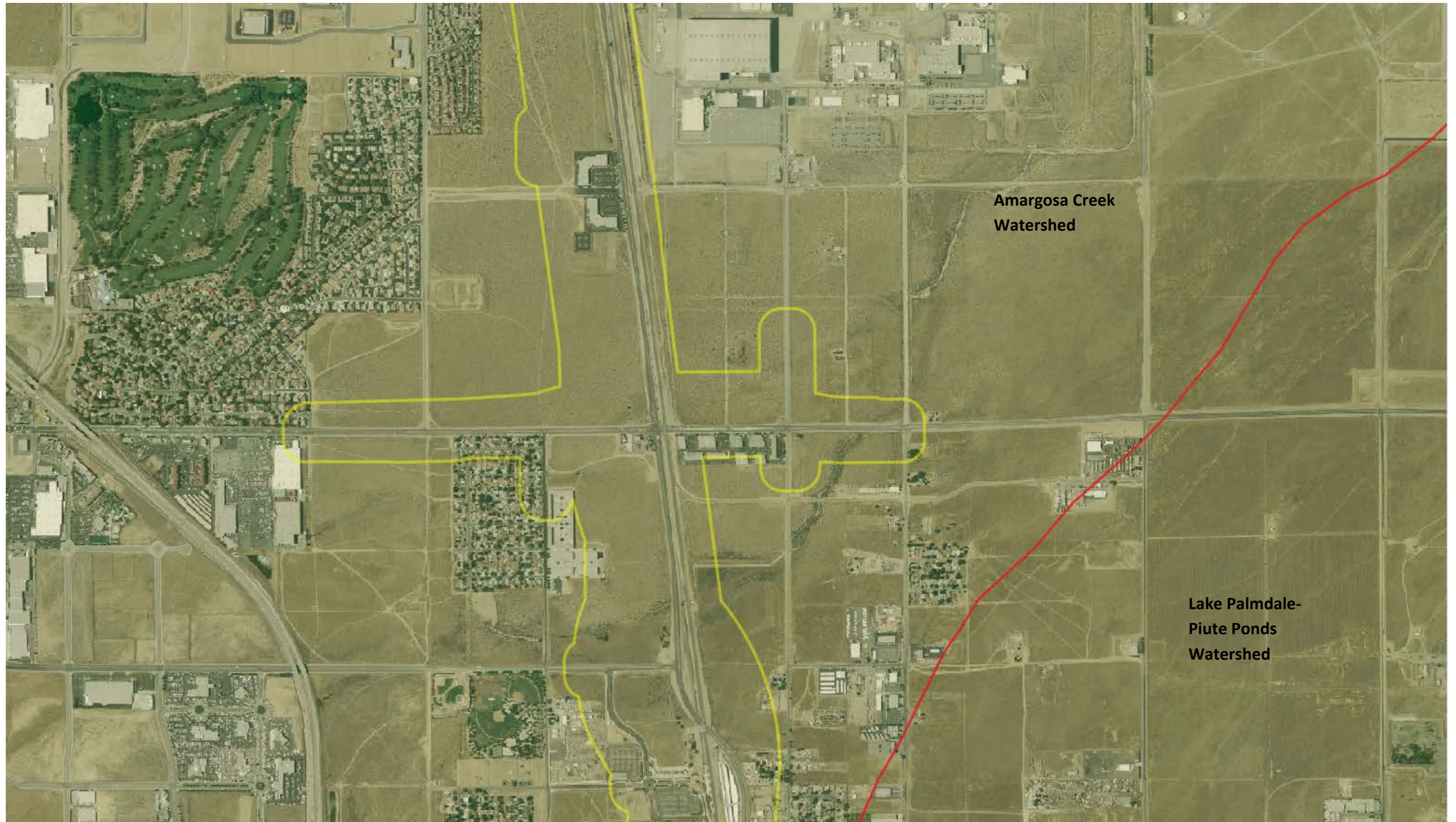


Amargosa Creek Watershed

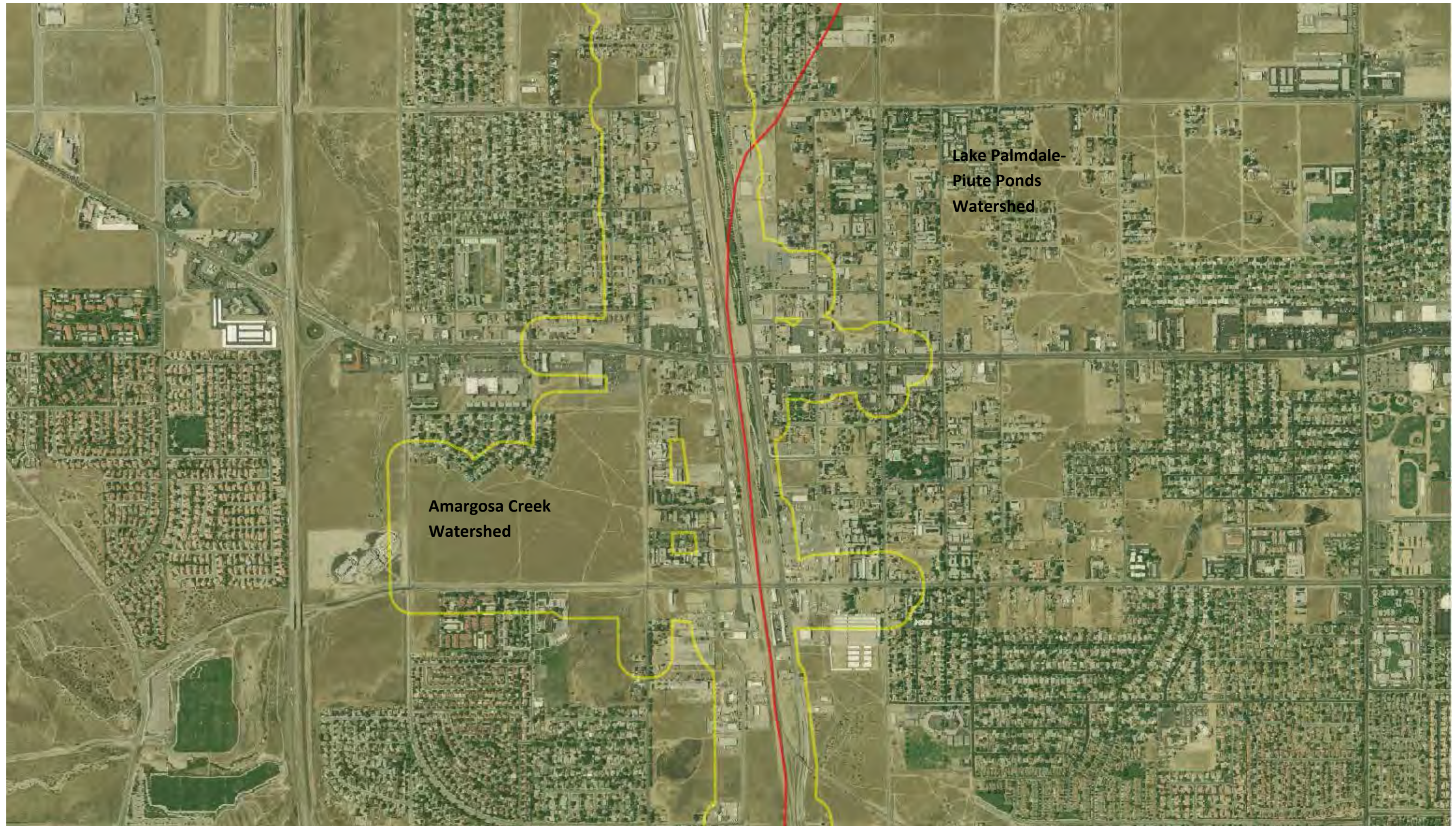
NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



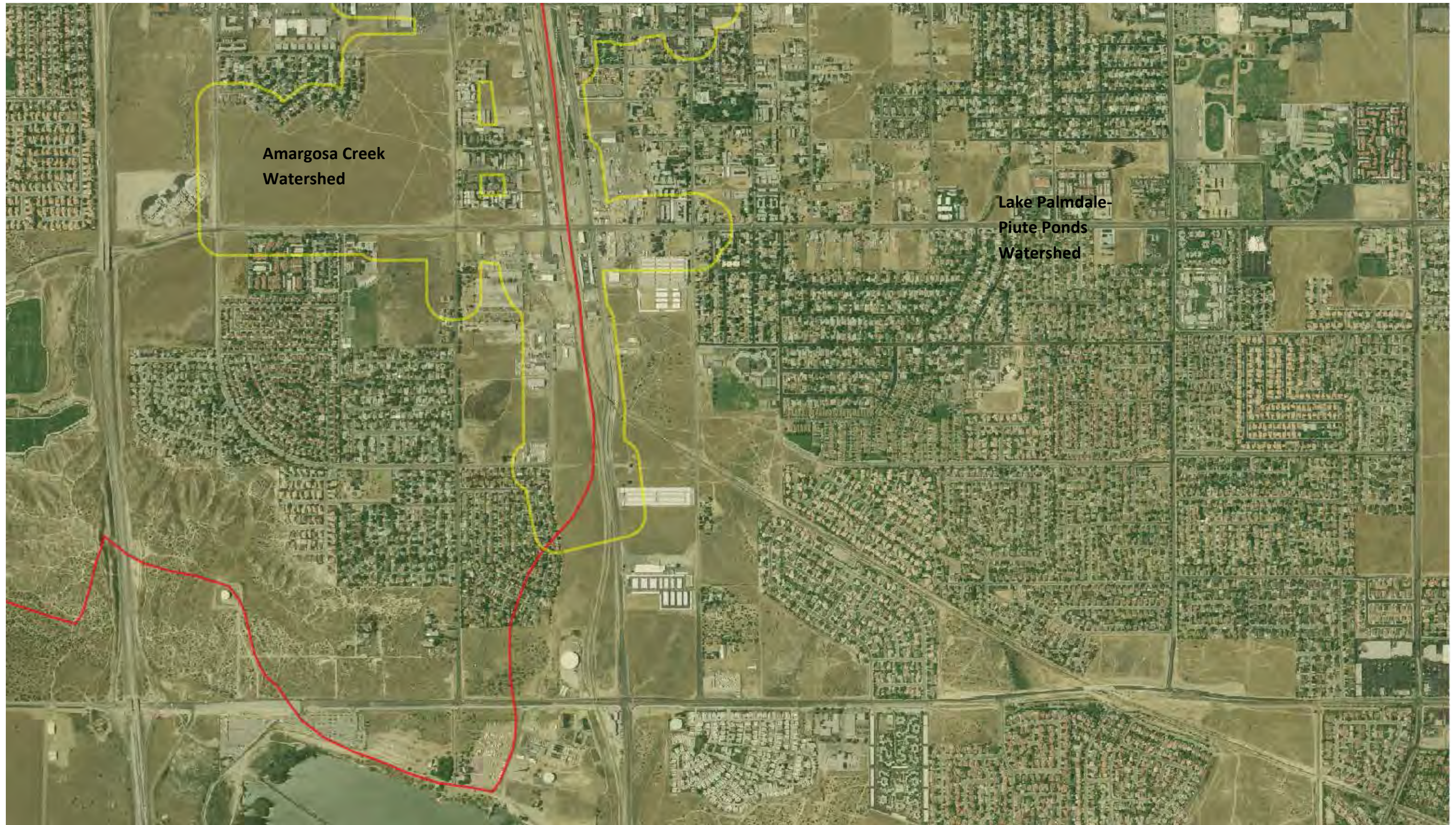
NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



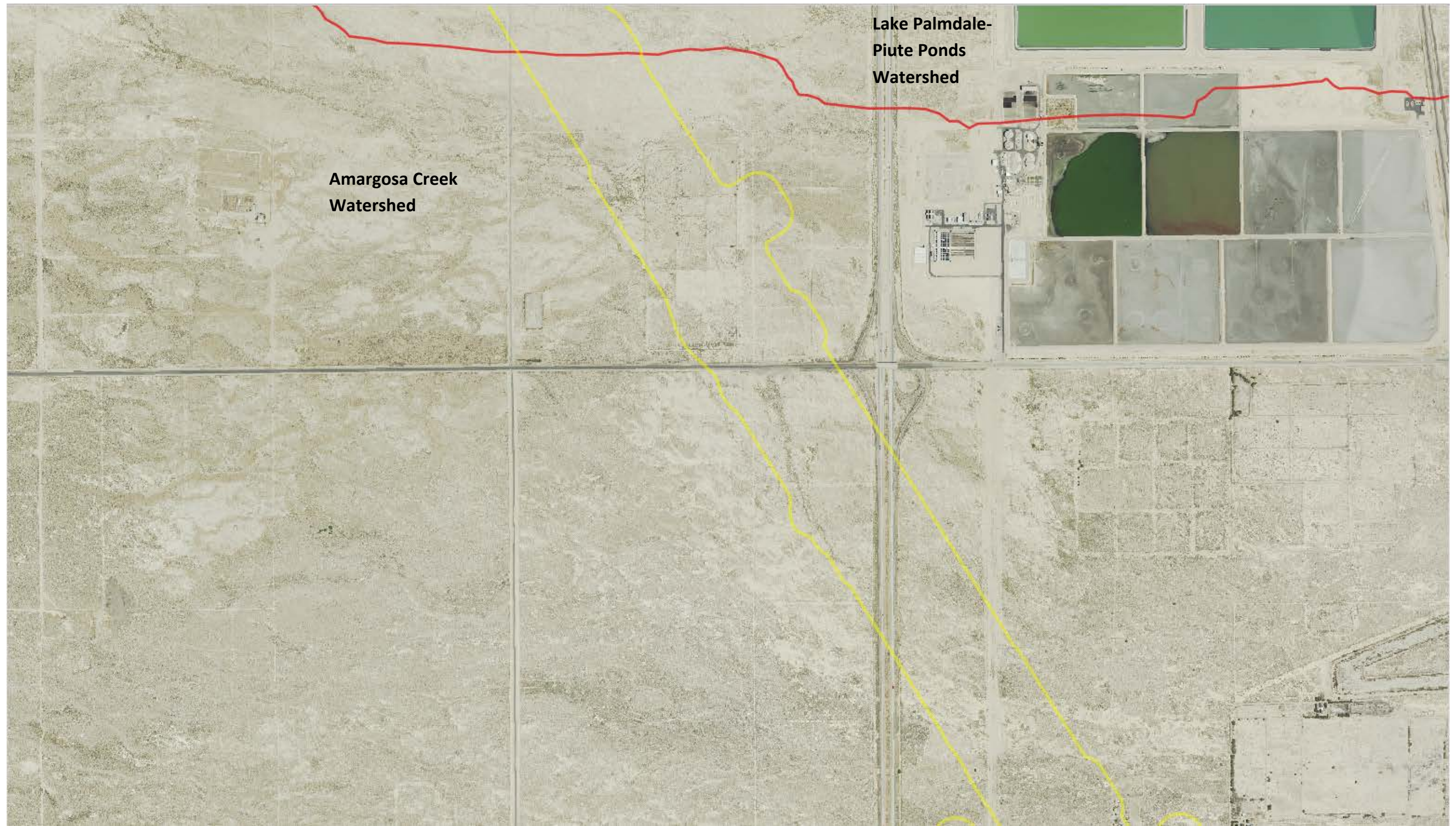
NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



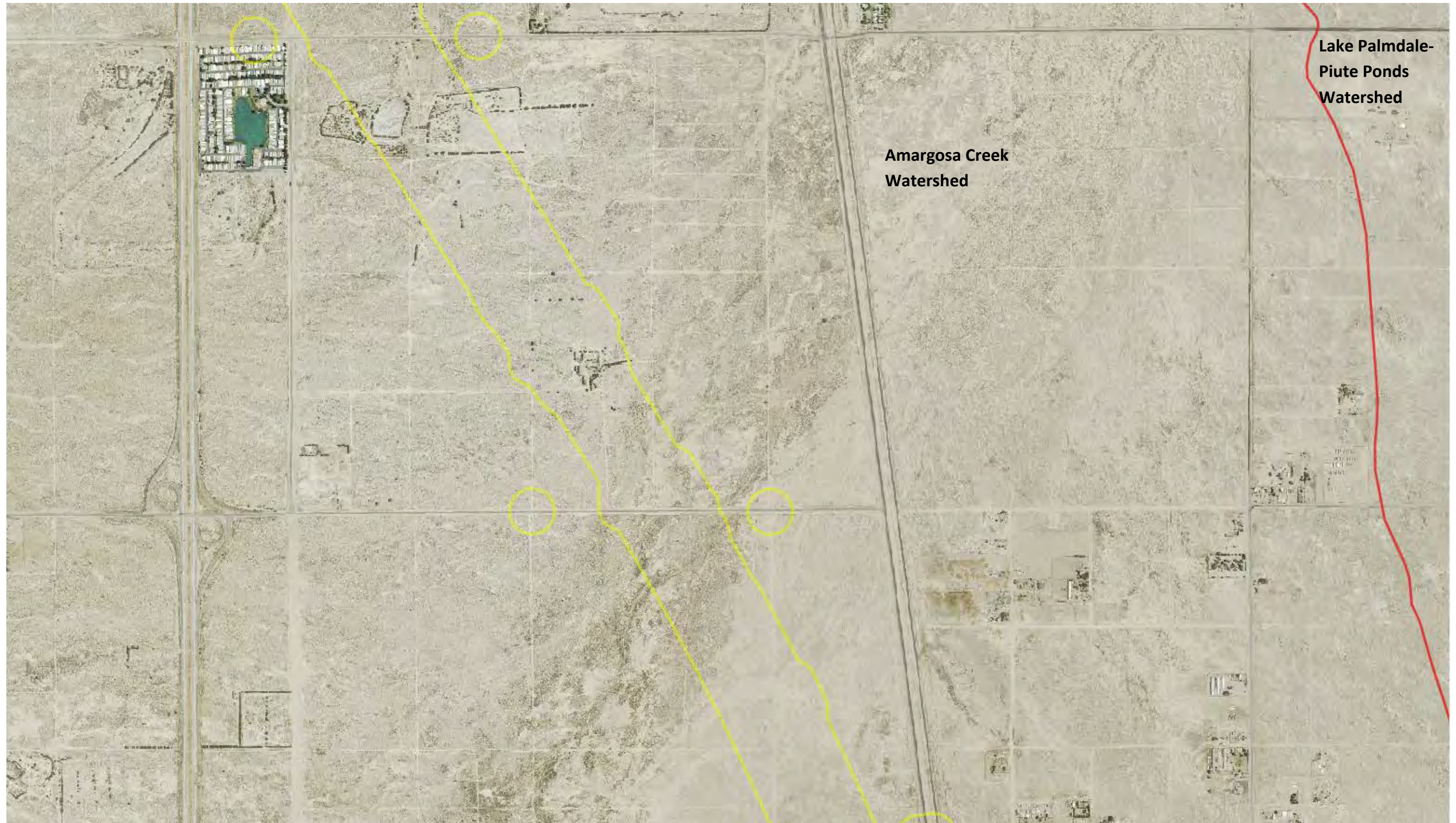
NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



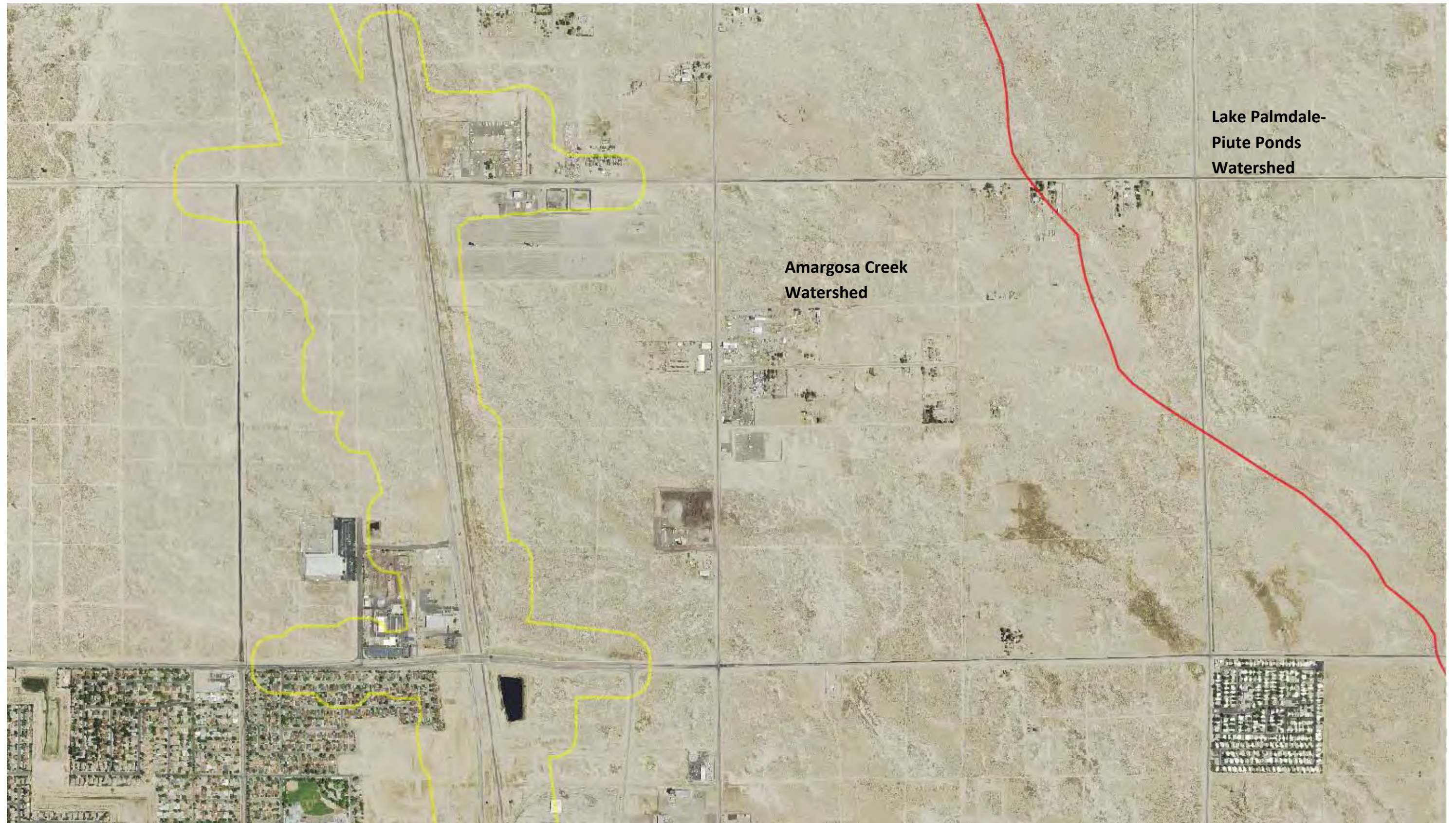
NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



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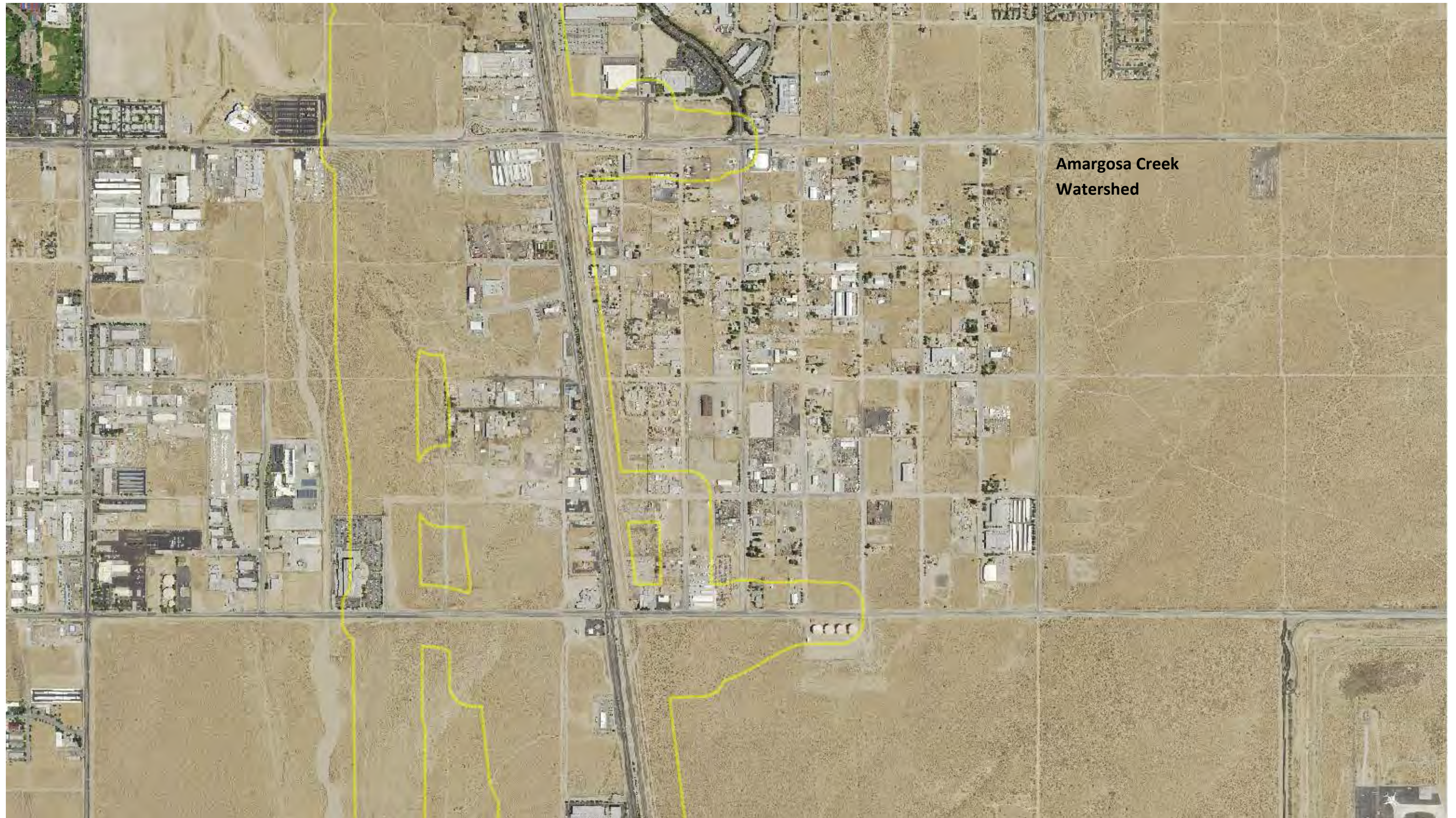


NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



**Amargosa Creek
Watershed**

NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.

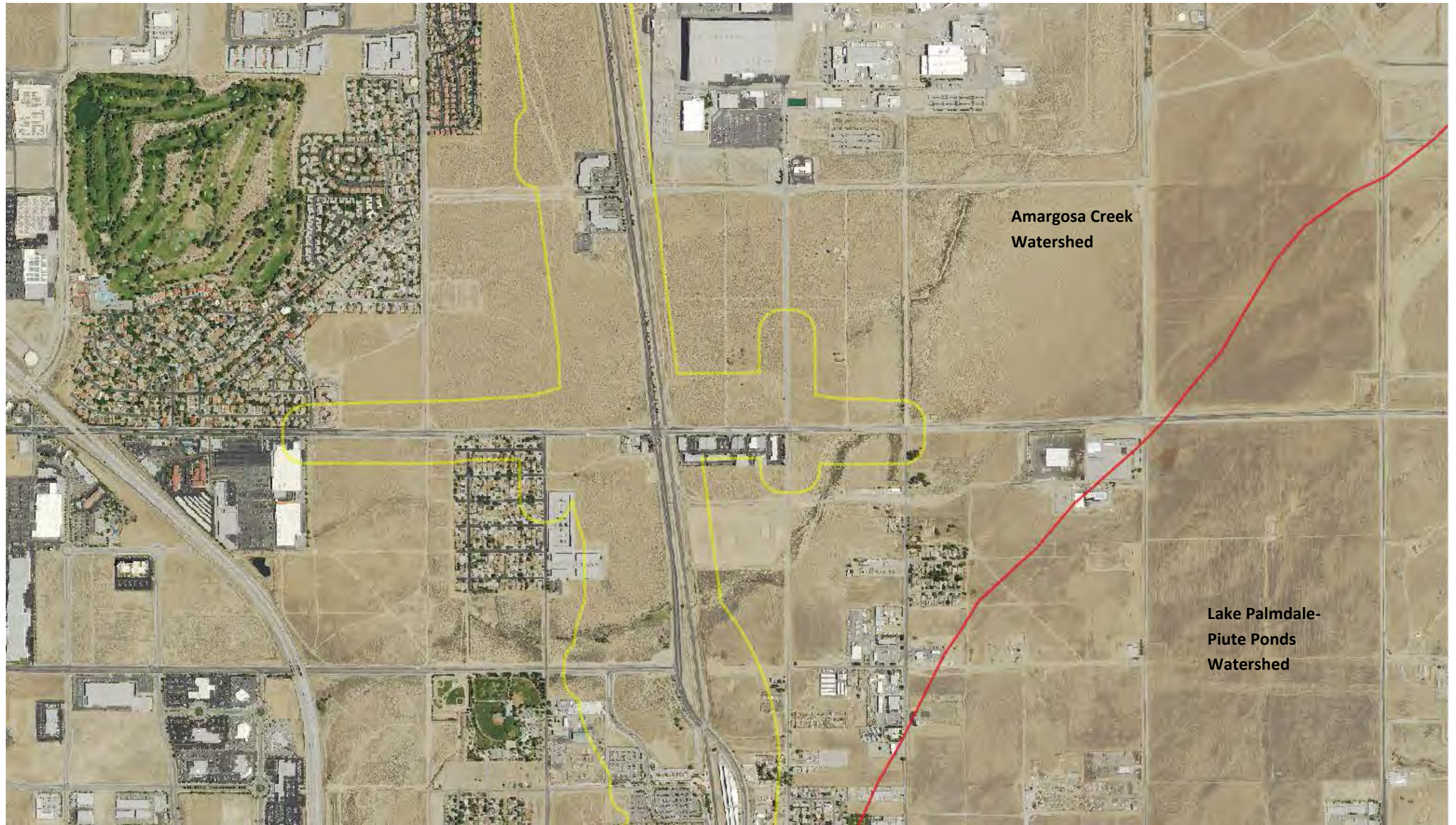


NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 10 Watershed Boundaries.



**Amargosa Creek
Watershed**

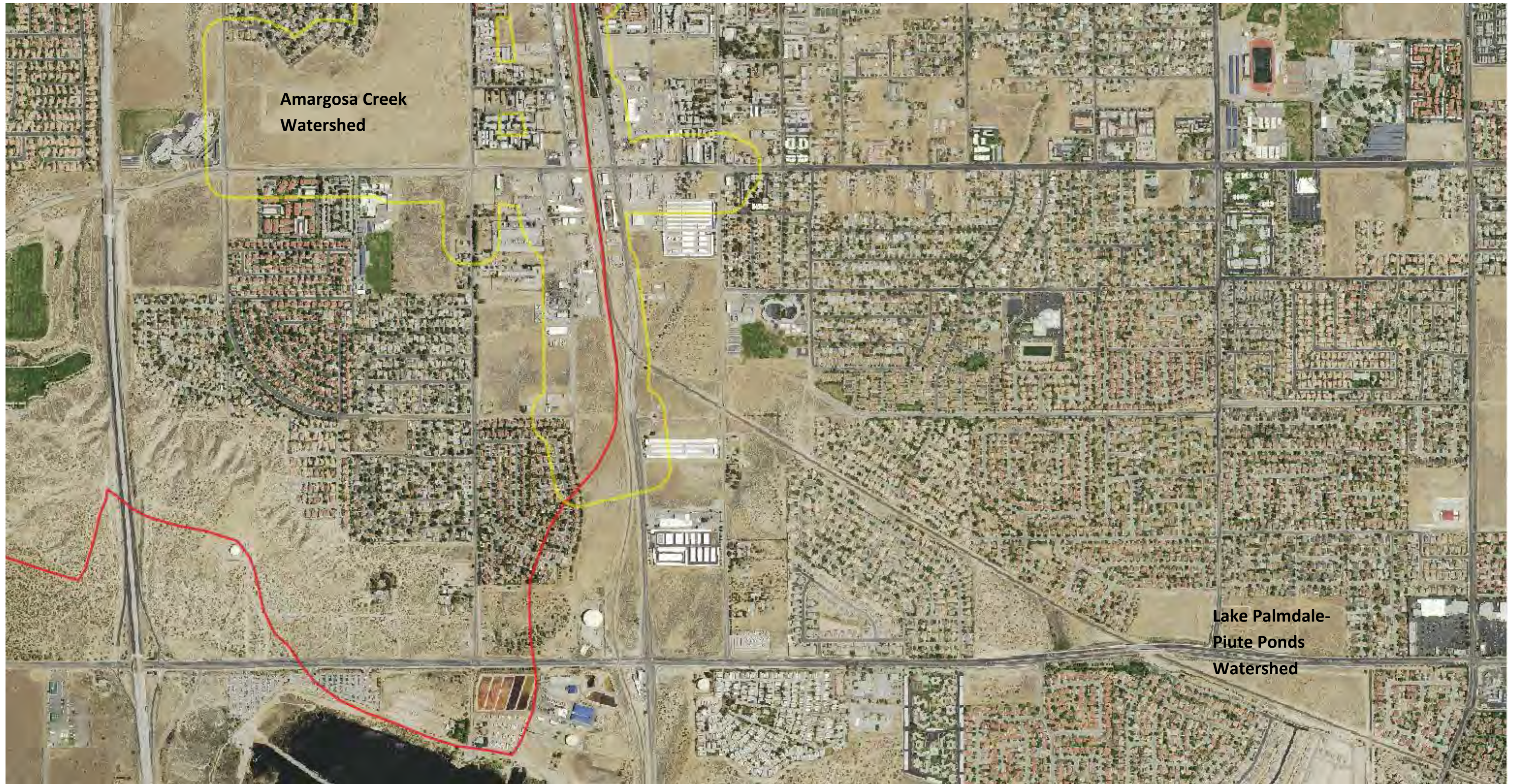
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Aerial Sources: http://public.gis.lacounty.gov/public/rest/services/LACounty_Cache and <http://gis.apfo.usda.gov/arcgis/services/NAIP/>

Retrieved November 14, 2016.

APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): August 25, 2017

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: SPL-2010-00945-VCL-JD-9

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: CA County/parish/borough: Los Angeles County City: N/A
Center coordinates of site (lat/long in degree decimal format): Lat. 34.567070° N, Long. 118.114223° W.
Universal Transverse Mercator: 397790 m E, 3825598 m N

Name of nearest waterbody: Lake Palmdale (south of the study area)

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: N/A

Name of watershed or Hydrologic Unit Code (HUC): Lake Palmdale, California, 180902061501

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date: July 25, 2017

Field Determination. Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are no** "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area (check all that apply):¹

- TNWs, including territorial seas
- Wetlands adjacent to TNWs
- Relatively permanent waters² (RPWs) that flow directly or indirectly into TNWs
- Non-RPWs that flow directly or indirectly into TNWs
- Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
- Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
- Impoundments of jurisdictional waters
- Isolated (interstate or intrastate) waters, including isolated wetlands

b. Identify (estimate) size of waters of the U.S. in the review area:

Non-wetland waters: linear feet: width (ft) and/or acres.

Wetlands: acres.

c. Limits (boundaries) of jurisdiction based on: **Not Applicable.**

Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

Within the project area of the Lake Palmdale HUC 12, there are a total of 3 aquatic features. These features include two ditches, spanning a total of approximately 190 linear feet and covering approximately 0.018 acre, and one unnamed ephemeral stream, spanning approximately 47 linear feet and covering approximately 0.007 acre. Note that ditches constructed in uplands that do not capture waters of the U.S. and do not drain to waters of the U.S. are not typically regulated. Labeled maps and tables of

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

features and dimensions are provided in the Aquatic Resources Delineation Report, which identifies each feature according to which HUC-12 watershed it occurs within.

The two ephemeral ditches, features Ditch_0461 and Ditch_0462, originate adjacent from run-off from along Sierra Highway and the existing railroad, and flow into the unnamed ephemeral stream, feature Str_0463. This unnamed ephemeral stream flows in a northeastern direction toward Rosamond Dry Lake north of the study area. Immediately outside the study area, this feature flows through an undeveloped lot towards residential and commercially developed lots. At this point, the hydrologic path of this feature is obscured by development. No discernable hydrologic connection can be traced to other surface waters downslope of this study area. However, a review of topographic maps and watershed boundary datasets indicates that waters from these features drain toward Rosamond Dry Lake.

There are no Traditional Navigable Waters (TNWs) or Relatively Permanent Waters (RPWs) in the study area, and the ephemeral desert streams in the study area are not tributaries to RPWs or TNWs. A previous SWANCC watershed-level Approved JD for Antelope Valley (HUC10 #s 1809020609 through 1809020624, excluding those portions of HUC12s 18090206151, 1901902061102, and 180902061103 that drain toward Lake Palmdale and its tributaries) determined that Rosamond, Buckhorn and Rogers Dry Lakes, and their tributaries, (i.e. the Antelope Valley Watershed, excluding Lake Palmdale and tributaries to Lake Palmdale) are non-jurisdictional waters of the United States under SWANCC. This determination, SPL-2011-01084-SLP, dated June 7, 2013, found that these Antelope Valley waters are not tributary to either a TNW or an (a)(3) water and Rosamond, Buckhorn and Rogers Dry Lakes are not (a)(3) waters themselves. The Corps made this watershed conclusion because the Antelope Valley watershed is an isolated, intrastate watershed without any surface water related interstate commerce. This previous determination is still in effect, and is appended as a supporting document for this determination.

Previously approved jurisdictional determinations have been made for tributaries to these dry lakes. When these lakes were analyzed in SPL-2011-01084-SLP, the Corps found no published commercial uses of the surface waters of any tributaries to Rosamond, Buckhorn and Rogers Dry Lakes, and determined that a review of aerial photographs (Google Earth) also did not depict surface water usage of any drainages tributary to the dry lakes. The Corps found that all tributaries to Rosamond, Buckhorn and Rogers Dry Lakes are not (a)(3) waters as defined by 33 C.F.R. section 328.3(a)(3)(i-iii). The previous determination found that since Rosamond, Buckhorn and Rogers Dry Lakes are intrastate, isolated waters without a surface water connection to commerce, all tributaries to Rosamond, Buckhorn and Rogers Dry Lakes as part of the overall watershed system are also isolated and additionally have no nexus to commerce. A review of current conditions and updated literature review found that conditions have not changed since the SPL-2011-01084-SLP determination for Antelope Valley. While Ditch_0461, Ditch_0462, and Str_0463 are located within the Lake Palmdale watershed, these features do not flow to either Lake Palmdale or tributaries to Lake Palmdale. Further, these features flow towards Rosamond Dry Lake. Thus, the one ephemeral stream segment and two ditches in this study area are intrastate, isolated waters with no interstate or foreign commerce connection and therefore are not currently regulated.

The above is based upon the review of aerial photographs (Google Earth, accessed July 25, 2017) that also did not show surface water usage of the project drainages or the Rosamond Dry Lake terminus. Since the Rosamond Dry Lake is an intrastate, isolated water without a surface water connection to commerce (see prior AJD file No. SPL-2011-01084-SLP), the subject two ditches and one unnamed ephemeral desert wash, as part of the same overall system, are also isolated and additionally have no nexus to commerce.

Based on the information above, the subject two ditches and one unnamed ephemeral desert wash, are NONJURISDICTIONAL waters of the United States, since the waters are NOT tributary to either a TNW or an (a)(3) water and are NOT (a)(3) waters themselves. The Corps makes such a conclusion since the waters are tributary to an isolated, intrastate dry lake.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: .

Summarize rationale supporting determination: .

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is “adjacent”:

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are “relatively permanent waters” (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: **Pick List**

Drainage area: **Pick List**

Average annual rainfall: inches

Average annual snowfall: inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

Tributary flows directly into TNW.

Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **Pick List** river miles from TNW.

Project waters are **Pick List** river miles from RPW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Project waters are **Pick List** aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain: .

Identify flow route to TNW⁵:

Tributary stream order, if known: .

⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

(iv) **Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

2. **Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

(i) **Physical Characteristics:**

(a) General Wetland Characteristics:

Properties:

Wetland size: _____ acres

Wetland type. Explain:

Wetland quality. Explain:

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain:

Surface flow is: **Pick List**

Characteristics:

Subsurface flow: **Pick List**. Explain findings:

Dye (or other) test performed:

(c) Wetland Adjacency Determination with Non-TNW:

Directly abutting

Not directly abutting

Discrete wetland hydrologic connection. Explain:

Ecological connection. Explain:

Separated by berm/barrier. Explain:

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List**.

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) **Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:

Identify specific pollutants, if known:

(iii) **Biological Characteristics. Wetland supports (check all that apply):**

- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
 - Federally Listed species. Explain findings:
 - Fish/spawn areas. Explain findings:
 - Other environmentally-sensitive species. Explain findings:
 - Aquatic/wildlife diversity. Explain findings:

3. **Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately () acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N) Size (in acres) Directly abuts? (Y/N) Size (in acres)

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
 TNWs: linear feet width (ft), Or, acres.
 Wetlands adjacent to TNWs: acres.
2. **RPWs that flow directly or indirectly into TNWs.**
 Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:
 Tributaries of TNW where tributaries have continuous flow “seasonally” (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.
Identify type(s) of waters: .

3. Non-RPWs⁸ that flow directly or indirectly into TNWs.

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

- Tributary waters: linear feet width (ft).
 Other non-wetland waters: acres.
Identify type(s) of waters: .

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
 Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .
 Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: acres.

7. Impoundments of jurisdictional waters.⁹

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

- Demonstrate that impoundment was created from "waters of the U.S.," or
 Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
 Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):¹⁰

- which are or could be used by interstate or foreign travelers for recreational or other purposes.
 from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
 which are or could be used for industrial purposes by industries in interstate commerce.
 Interstate isolated waters. Explain: .
 Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

⁸See Footnote # 3.

⁹ To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

¹⁰ Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres.
 Identify type(s) of waters: .
- Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
 - Prior to the Jan 2001 Supreme Court decision in “*SWANCC*,” the review area would have been regulated based solely on the “Migratory Bird Rule” (MBR).
- Waters do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction. Explain: .
- Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): **47** linear feet **6 feet in** width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: 0.018 acres. List type of aquatic resource: Ditches.
- Wetlands: acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource: .
- Wetlands: acres.

SECTION IV: DATA SOURCES.

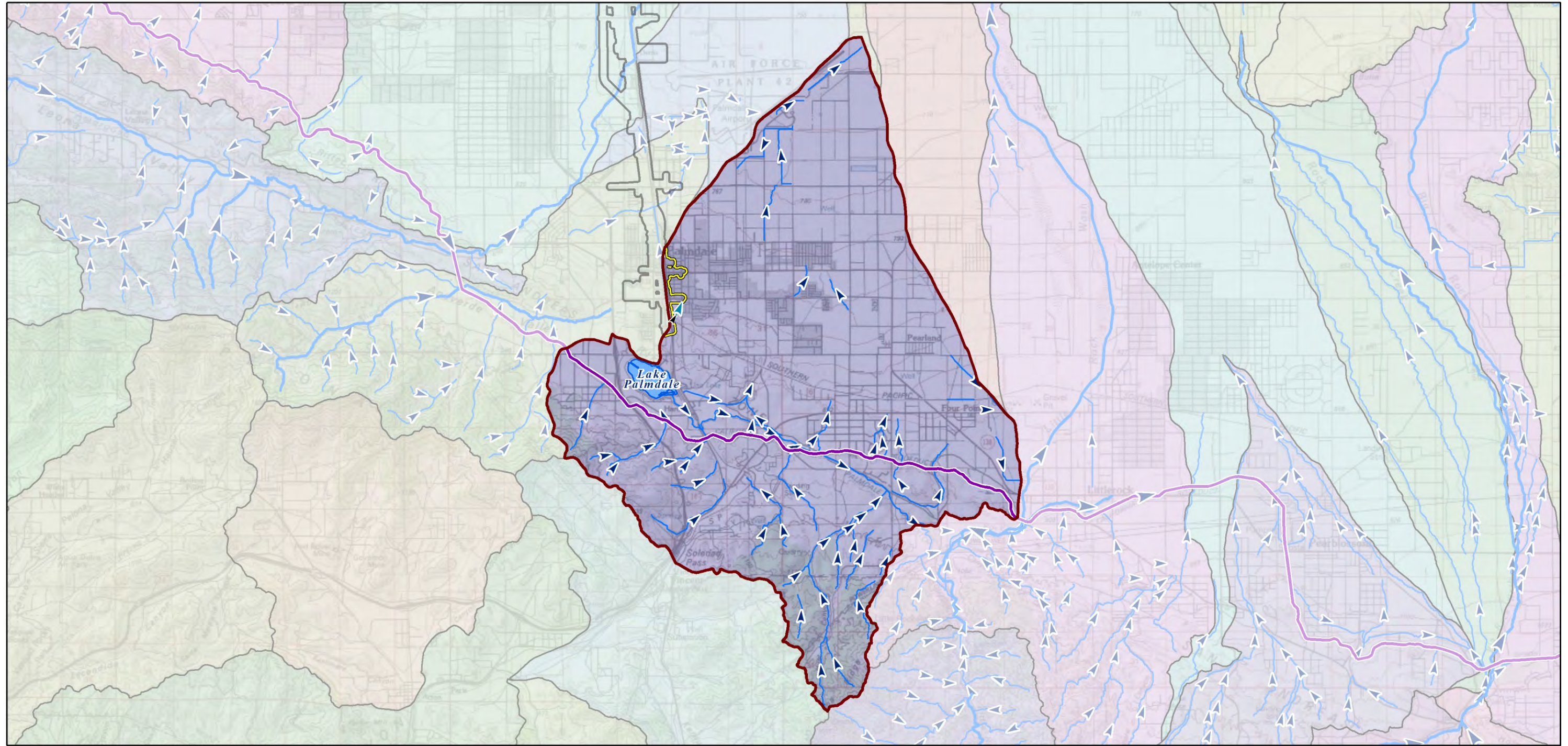
A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Features are depicted on Map Sheets 171 in Appendix E of the submitted delineation..
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps: .
- Corps navigable waters’ study: .
- U.S. Geological Survey Hydrologic Atlas: .
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Palmdale 7.5 minute quadrangle.
- USDA Natural Resources Conservation Service Soil Survey. Citation: .
- National wetlands inventory map(s). Cite name: .
- State/Local wetland inventory map(s): .
- FEMA/FIRM maps: .
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): NAIP Imagery 2005 and 2014 at 1-m resolution; LA County Imagery 2011 and 2013 at a 1-foot resolution.
 or Other (Name & Date): .
- Previous determination(s). File no. and date of response letter: SPL-2011-01084-SLP, June 7, 2013.
- Applicable/supporting case law: .
- Applicable/supporting scientific literature: .
- Other information (please specify): Aquatic Resources Delineation Report prepared by the applicant/consultant references additional materials; also Appendix E contains map sheets; Appendix F contains dimensions. HUC watershed maps of review areas with NHD Data provided by the applicant/consultant; general use of NAIP Imagery 2009, 2010, and 2012 at 1-m resolution; LA County Imagery 2015 at 1-foot resolution; 2015 Site specific IR Imagery, 3-inch color pixel; Bing Aerial Imagery - multiple years (scale

dependent); ESRI World Imagery (streaming service) multiple years (scale dependent); Google Earth Historic Photos (used for reference and includes portions from above listed sources).

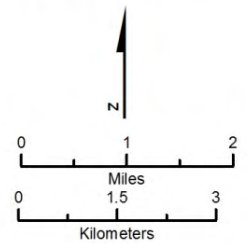
B. ADDITIONAL COMMENTS TO SUPPORT JD:

| Waters_Name | Cowardin_Code | HGM_Code | Amount | Units | Latitude | Longitude |
|-------------|---------------|----------|--------|-------|----------|-----------|
| Ditch_0461 | R6 | RIVERINE | 0.009 | ACRE | 34.5667 | -118.115 |
| Ditch_0462 | R6 | RIVERINE | 0.009 | ACRE | 34.56725 | -118.114 |
| Str_0463 | R6 | RIVERINE | 0.007 | ACRE | 34.56697 | -118.114. |



PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 22, 2016



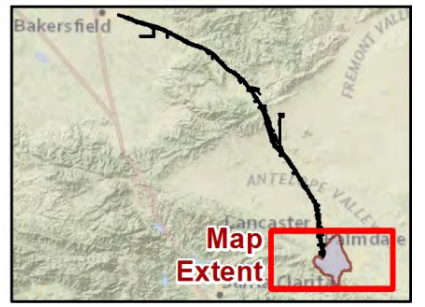
BP HSR Mapped Streams in the Lake Palmdale Watershed Study Area

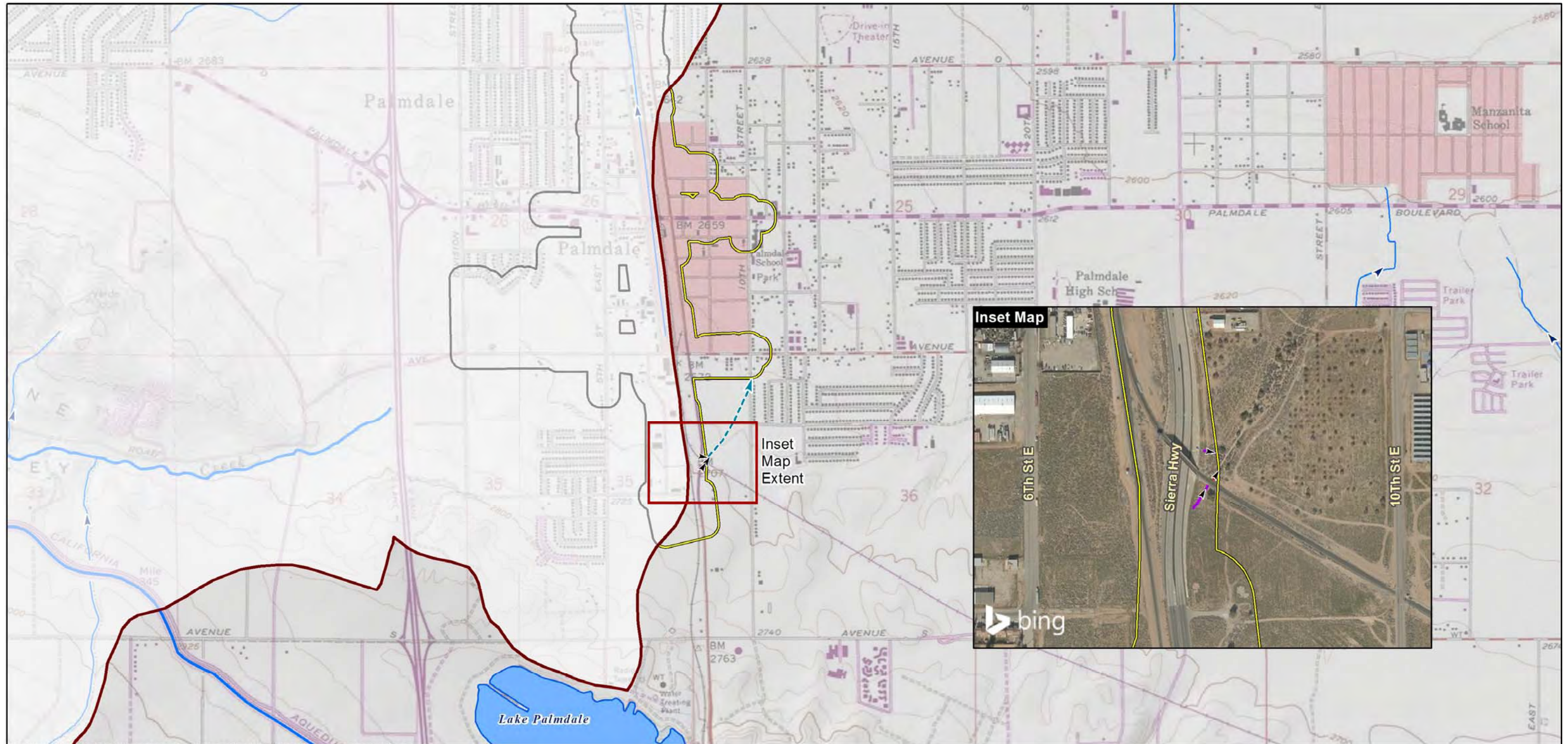
- Ephemeral Stream
- Ditch

- Study Area in the Lake Palmdale Watershed
- Lake Palmdale Watershed HUC-12
- Other HUC-12 Watersheds

- Wetlands Study Area (Project Footprint + 250 ft Buffer)
- Direction of flow based on NHD flowlines
- Presumed Hydrologic Path
- Governor Edmund G Brown California Aqueduct

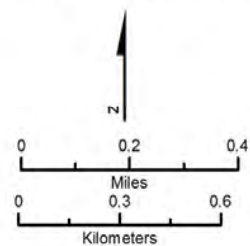
Lake Palmdale Watershed Hydrologic Connectivity





PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Microsoft Bing Aerial (2016); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 18, 2016



BP HSR Mapped Streams in the Lake Palmdale Watershed Study Area

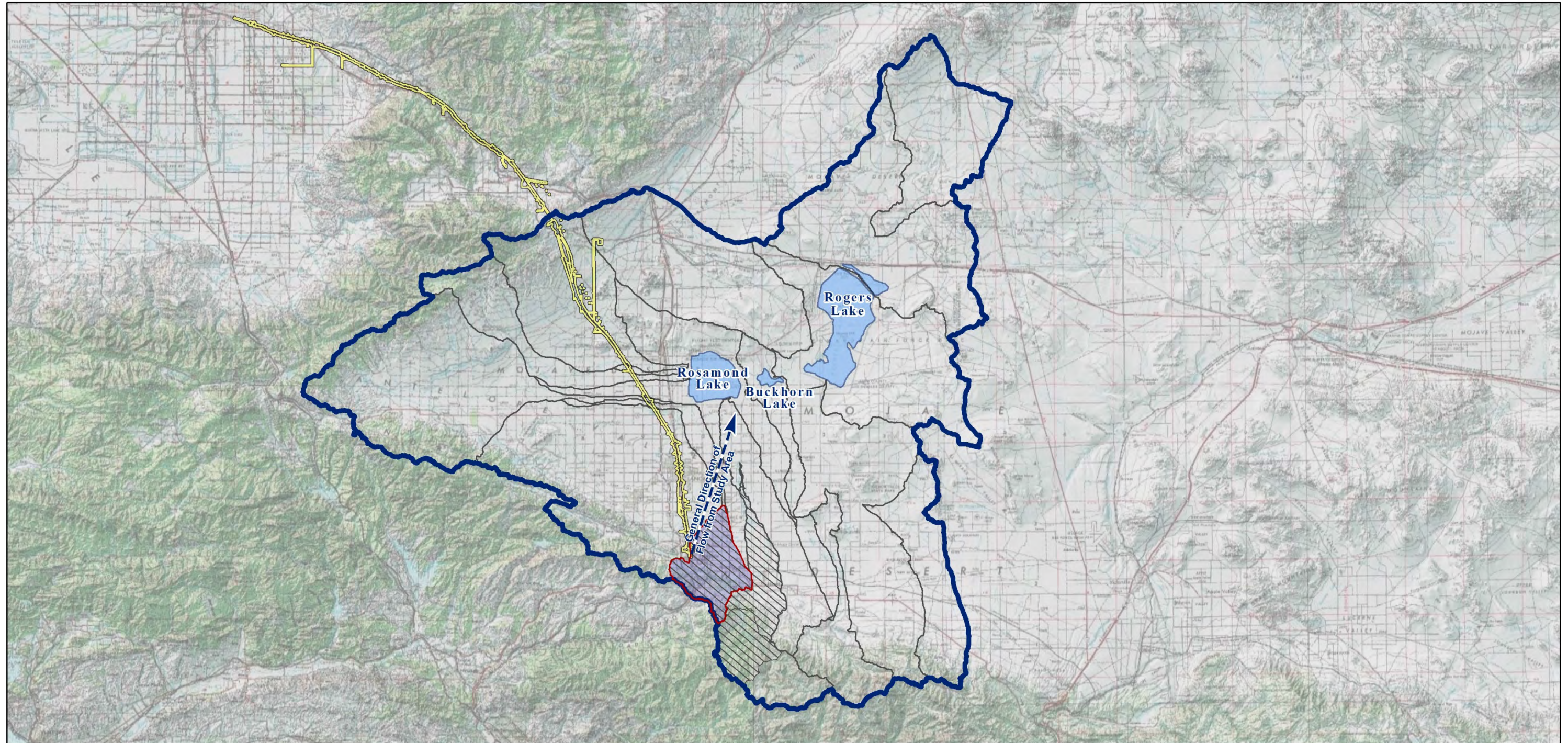
- Ephemeral Stream
- Ditch

- Study Area in the Lake Palmdale Watershed
- Lake Palmdale Watershed HUC-12

- Wetlands Study Area (Project Footprint + 250 ft Buffer)
- Direction of flow based on NHD flowlines
- Presumed Hydrologic Path

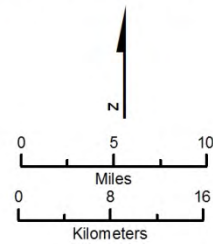
Lake Palmdale Watershed Study Area Hydrologic Connectivity





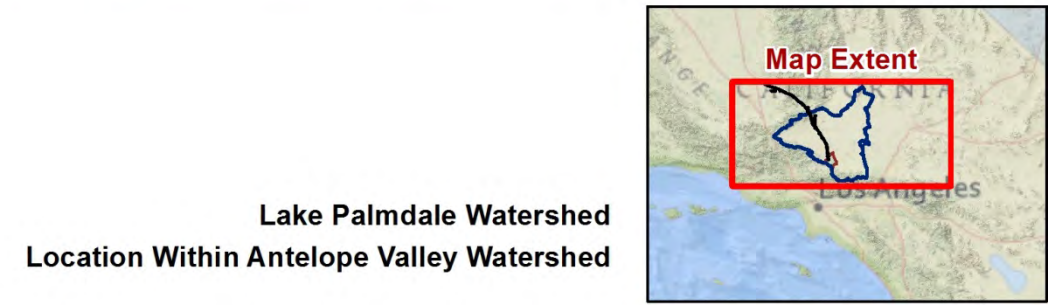
PRELIMINARY DRAFT/SUBJECT TO CHANGE - HSR ALIGNMENT IS NOT DETERMINED
 SOURCE: ESRI/USGS Topographic Basemap (2016); USGS 30m Hillshade (2015); Phase 4B Engineering data from CaHSRA (4/2016); Watershed Boundary Dataset/National Hydrography Dataset (2015).

November 17, 2016

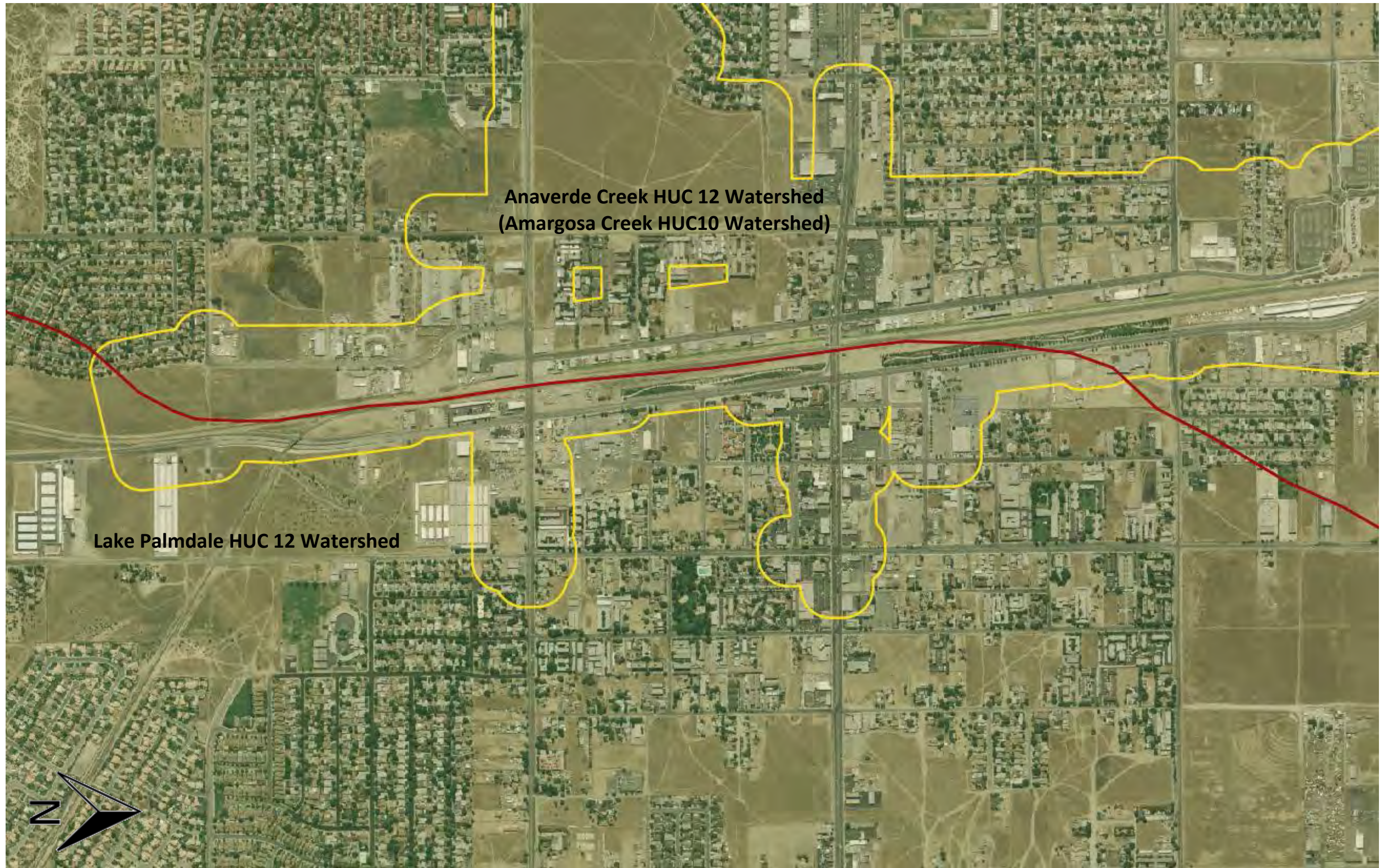


- Lake Palmdale Watershed HUC-12
- Antelope Valley Watershed (as described in SPL-2011-01084-SLP)
- Wetlands Study Area (Project Footprint + 250 ft Buffer)
- HUC-12 Watersheds excluded from SPL-2011-01084-SLP

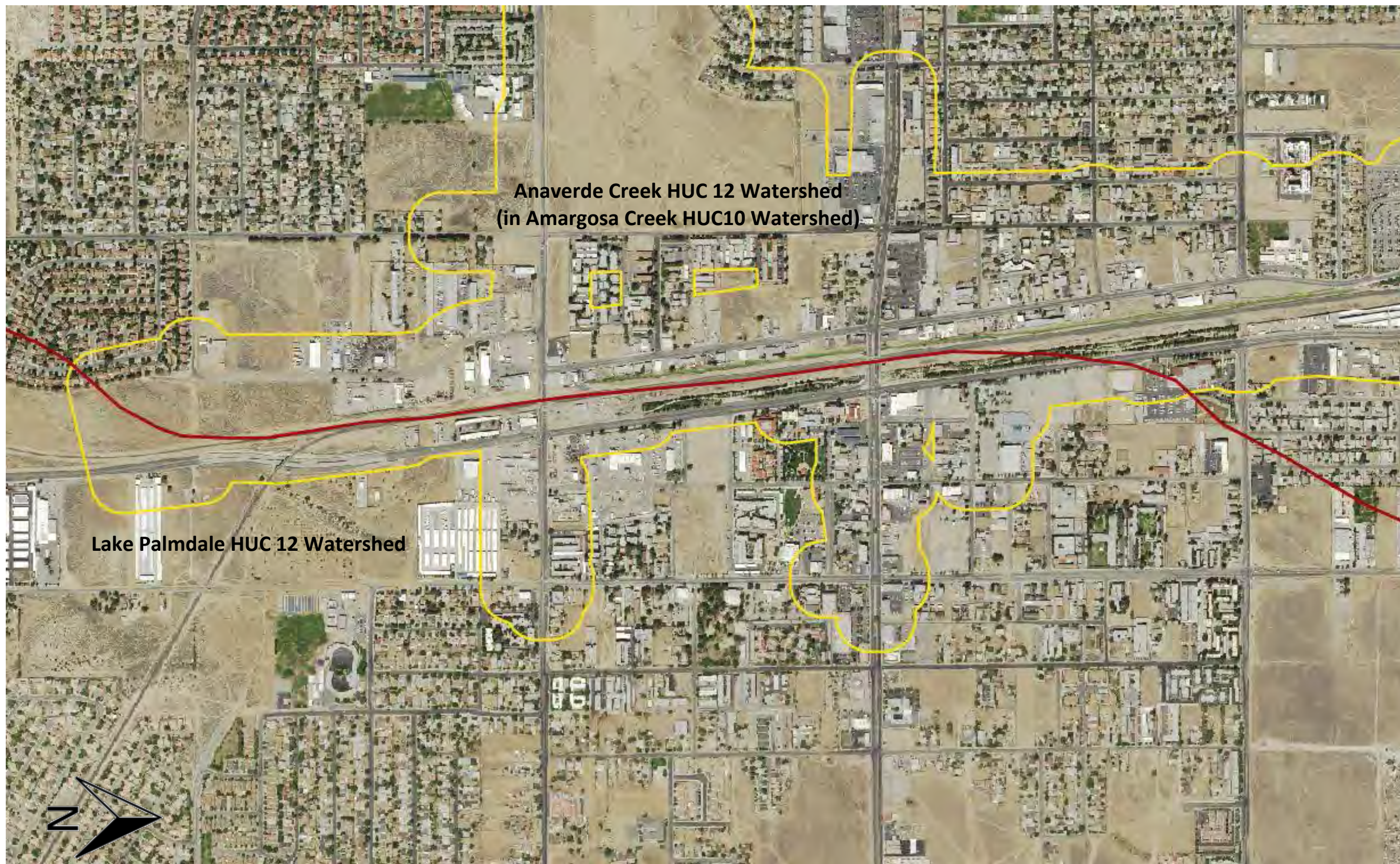
The U.S. Army Corps of Engineers issued a SWANCC watershed-level Approved Jurisdictional Determination for Antelope Valley (HUC 10 #s 1809020609 through 1809020624) on June 7, 2013. Note that this determination specifically excluded the areas of Lake Palmdale and all waters tributary to Lake Palmdale (portions of HUC 12 #s 180902061501, 180902061102, 180902061103). This figure illustrates the location of the study area relative to the previous watershed-level decision.



Lake Palmdale Watershed
 Location Within Antelope Valley Watershed



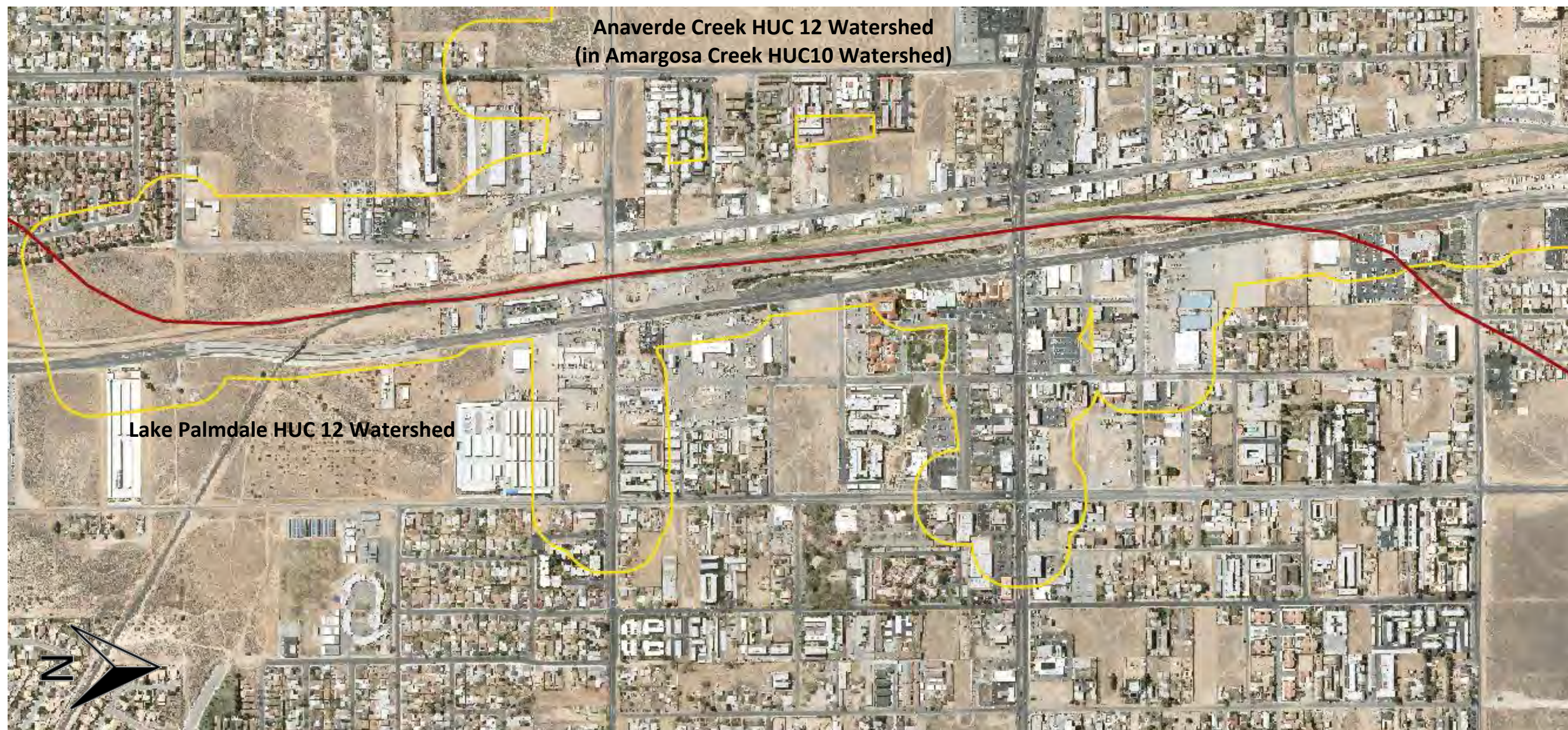
NAIP 2005 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



NAIP 2014 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



Los Angeles 2011 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.



Los Angeles 2013 Aerial Photo. Yellow Line – Study Area. Red Line – HUC 12 Watershed Boundaries.