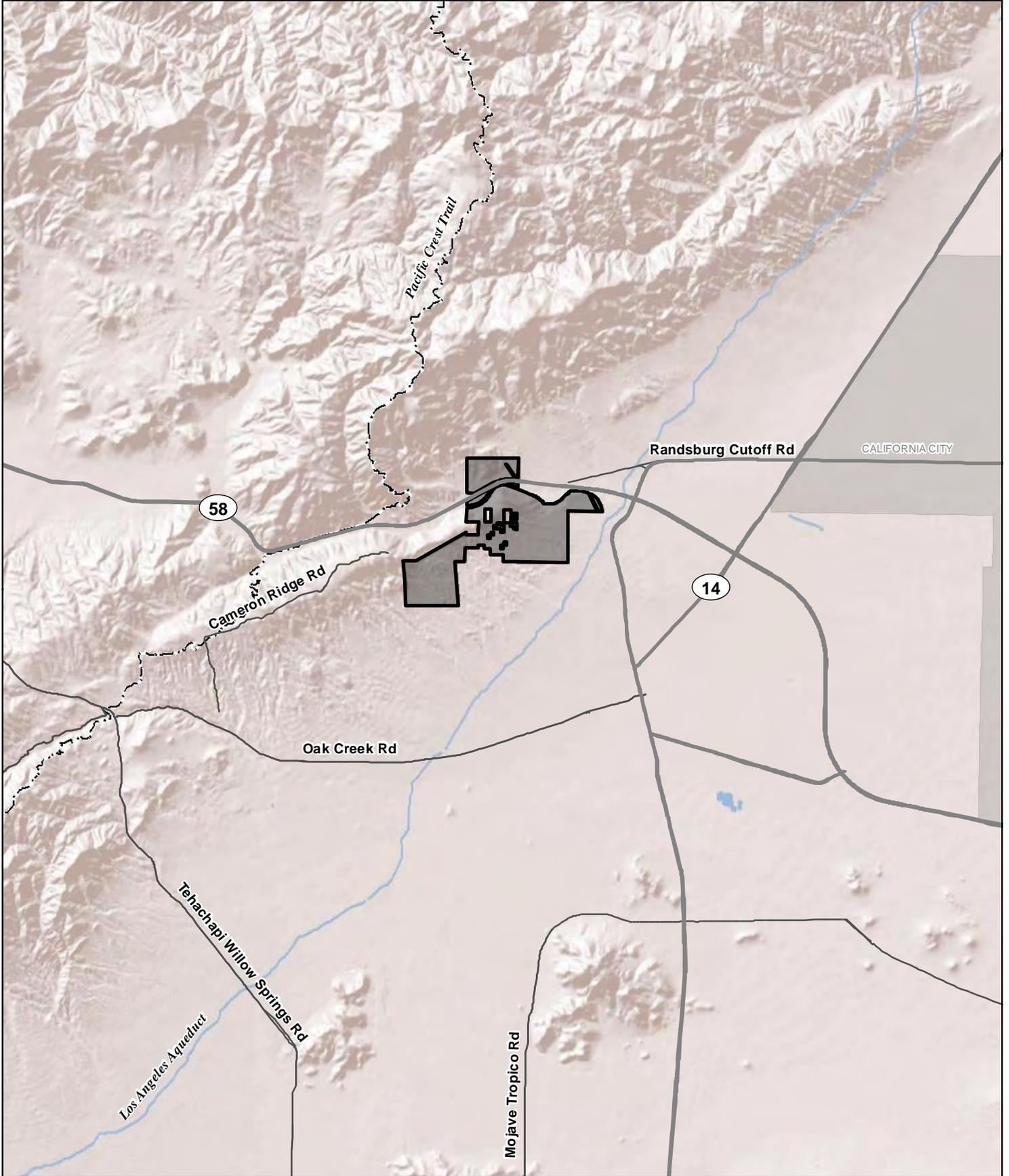


# Appendix A

## Figures

Figure 2-1	Regional Location Map
Figure 2-2	Schematic Illustration of WTG
Figure 2-3	Alta East Wind Project Transmission Line
Figure 2-4	Proposed Action BLM Designations
Figure 2-5	Existing Kern County General Plan Designations
Figure 2-6	Proposed GPA's
Figure 2-7	Existing Kern County Zoning Classifications
Figure 2-8	Required Kern County WE Zone Change
Figure 2-9	Alternative A: Project Site Plan (B/W)
Figure 2-10	Alternative A: Project Site Plan (color)
Figure 2-11	Alternative B: Revised Site Plan
Figure 2-12	Alternative C: Reduced Project North
Figure 2-13	Alternative D: Reduced Project Southwest
Figure 3.7-1	BLM Grazing Allotments
Figure 3.8-1	Mineral Resource Sites
Figure 3.9-1	Percent of Community Highly Annoyed by Wind Turbine Noise [located in Section 3.9]
Figure 3.9-2	Noise Monitor Locations and Sensitive Receptors
Figure 3.11-1	CCR Title 14 Section 1254 Minimum Clearances [located in Section 3.11]
Figure 3.12-1	Regional Recreation Resources
Figure 3.12-2	Middle Knob Motorized Access Zone Routes in Project Area
Figure 3.14-1	Regional Faults
Figure 3.15-1	Special Designations
Figure 3.15-2	Farmland Classifications
Figure 3.15-3	Estray Ordinance
Figure 3.17-1	Regional Location Map
Figure 3.17-2	Wetlands and Streams
Figure 3.17-3	Bakersfield Cactus
Figure 3.17-4	Vegetation Communities
Figure 3.17-5	Vegetation Communities – Gen-Tie Line (With Alt. A Site Plan Features)
Figure 3.18-1	Location of Key Observation Points (KOPs)
Figure 3.19-1	Surface Water Resources
Figure 3.19-2	Flood Hazard Areas
Figure 3.19-3	Groundwater Resources
Figure 4.1-1	Cumulative Projects
Figure 4.4-1a	Area of Potential Effect - Project Area and Northern Extent of Transmission Line
Figure 4.4-1b	Area of Potential Effect – Southern Project Area and Full Extent of Transmission Line
Figure 4.10-1	Potential Fossil Yield Classification Map
Figure 4.18-1	KOP 1 – View Looking East from Pacific Crest National Scenic Trail
Figure 4.18-2	Visual Simulation of the Alta East Wind Project – KOP 1
Figure 4.18-3	KOP 2 – View Looking Northwest From Within Rural-Residential County Lands North of SR 58 in Tehachapi Pass
Figure 4.18-4	Visual Simulation of the Alta East Wind Project – KOP 2
Figure 4.18-5	KOP 3 – View Looking Southeast From Within Rural-Residential County Lands North of SR 58 in Tehachapi Pass
Figure 4.18-6	Visual Simulation of the Alta East Wind Project – KOP 3
Figure 4.18-7	KOP 5 – View Looking Northwest from SR 14/SR 58 Interchange
Figure 4.18-8	Visual Simulation of the Alta East Wind Project – KOP 5
Figure 4.18-9	KOP 7 – View Looking North from Oak Creek Road/SR 58 Overpass in Mojave
Figure 4.18-10	Visual Simulation of the Alta East Wind Project – KOP 7

This entire document consists of maps and schematics that cannot be made fully compliant with Section 508 of the Rehabilitation Act of 1973. If you need help using the information here, please contact the Ridgecrest Field Office at (760) 384-5400 and reference the Alta East Wind Project Appendix A Maps. Disclaimer: The Bureau of Land Management makes no representations or warranties regarding the accuracy or completeness of these maps. They are merely representational, it and the data from which it was derived are not binding on the Bureau and may be revised at any time in the future. The Bureau of Land Management shall not be liable under any circumstances for any direct, indirect, special, incidental or consequential damages with respect to any claim by any user or any third party on account of or arising from the use of this map or the data from which it was derived.

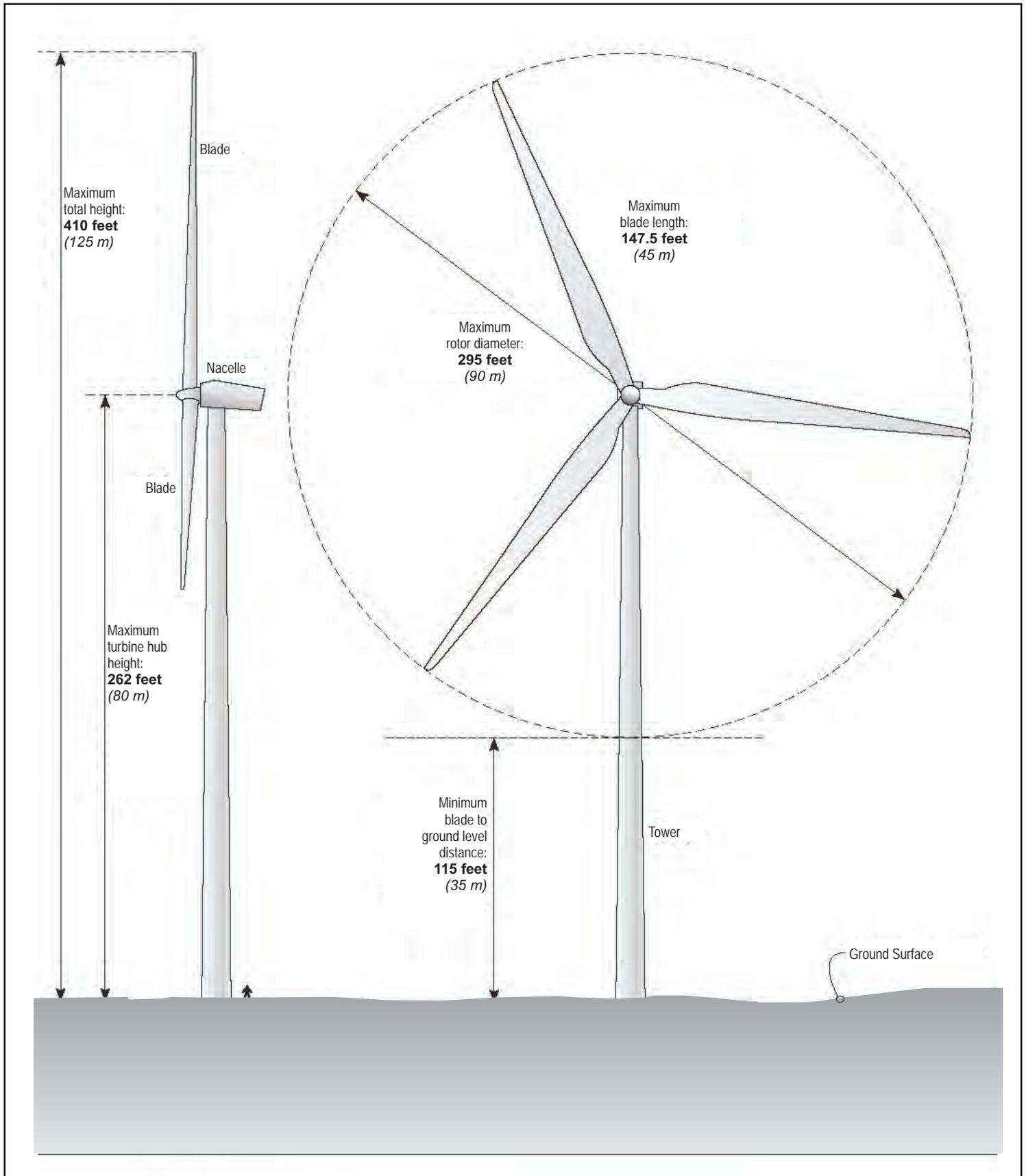


0 1.25 2.5 5 Miles

 Project Boundary

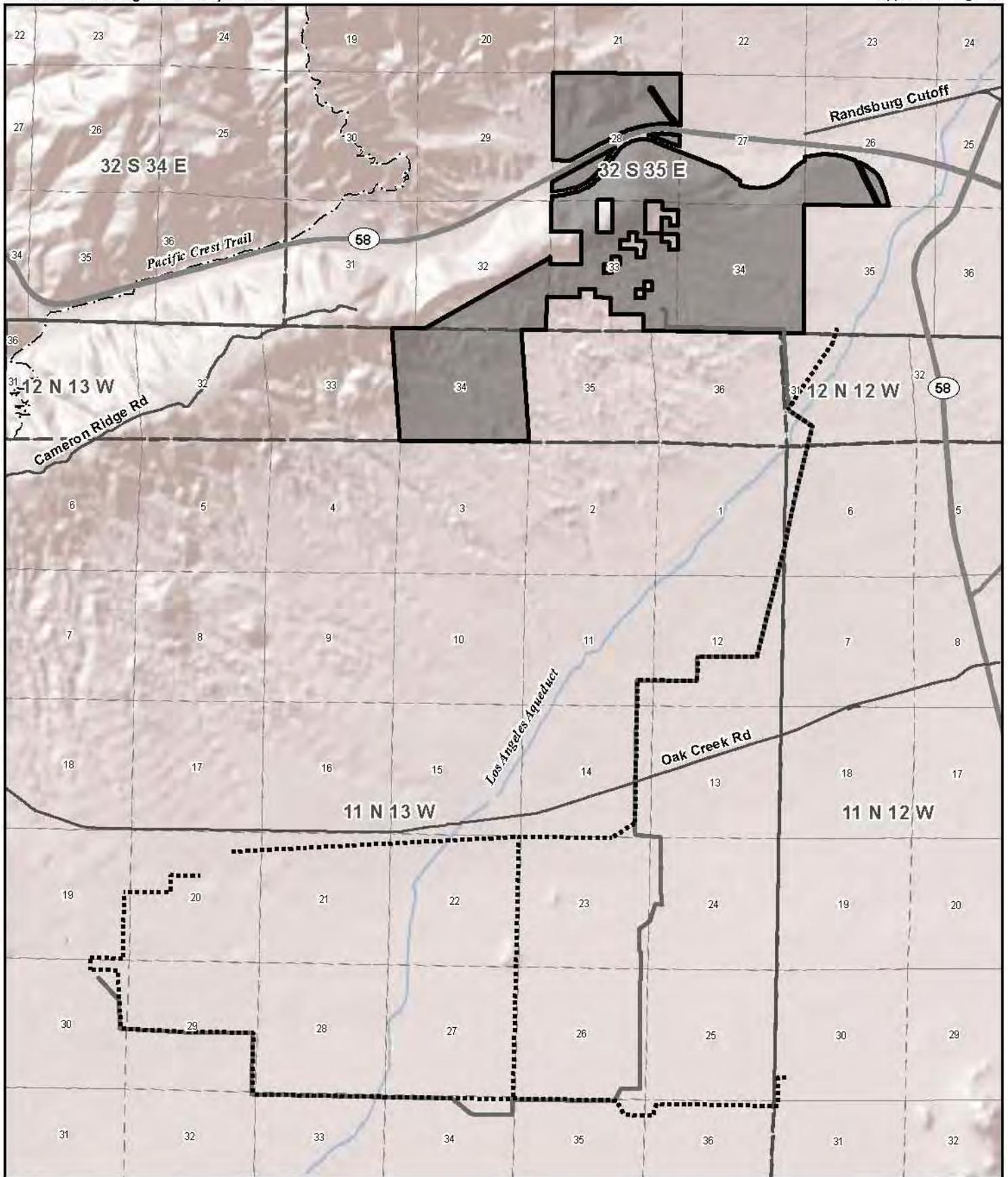
**Figure 2-1**

**Regional Location Map**



Source: AWD, 2011.

**Figure 2-2**  
**Schematic Illustration of WTG**

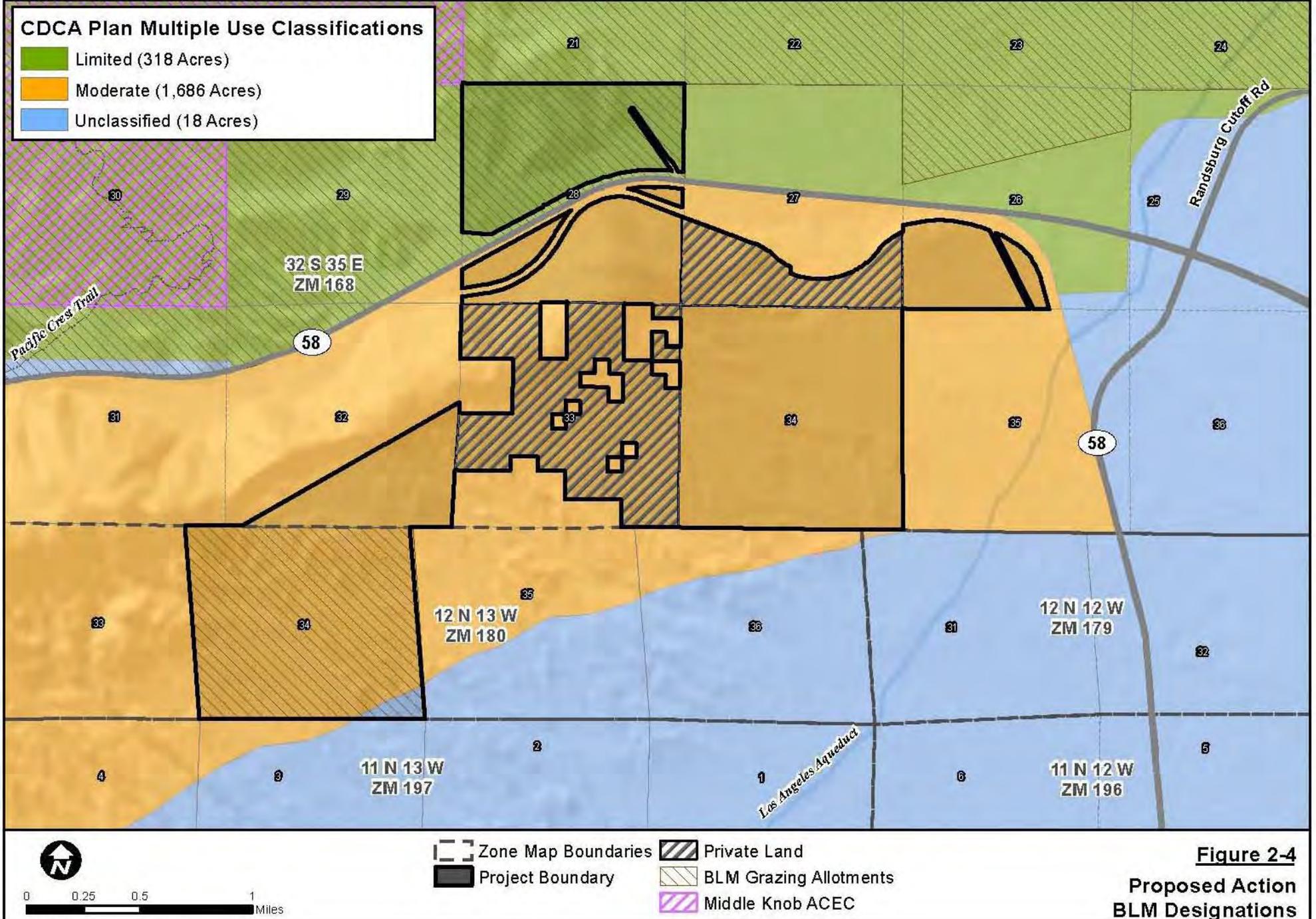


0 0.5 1 2 Miles

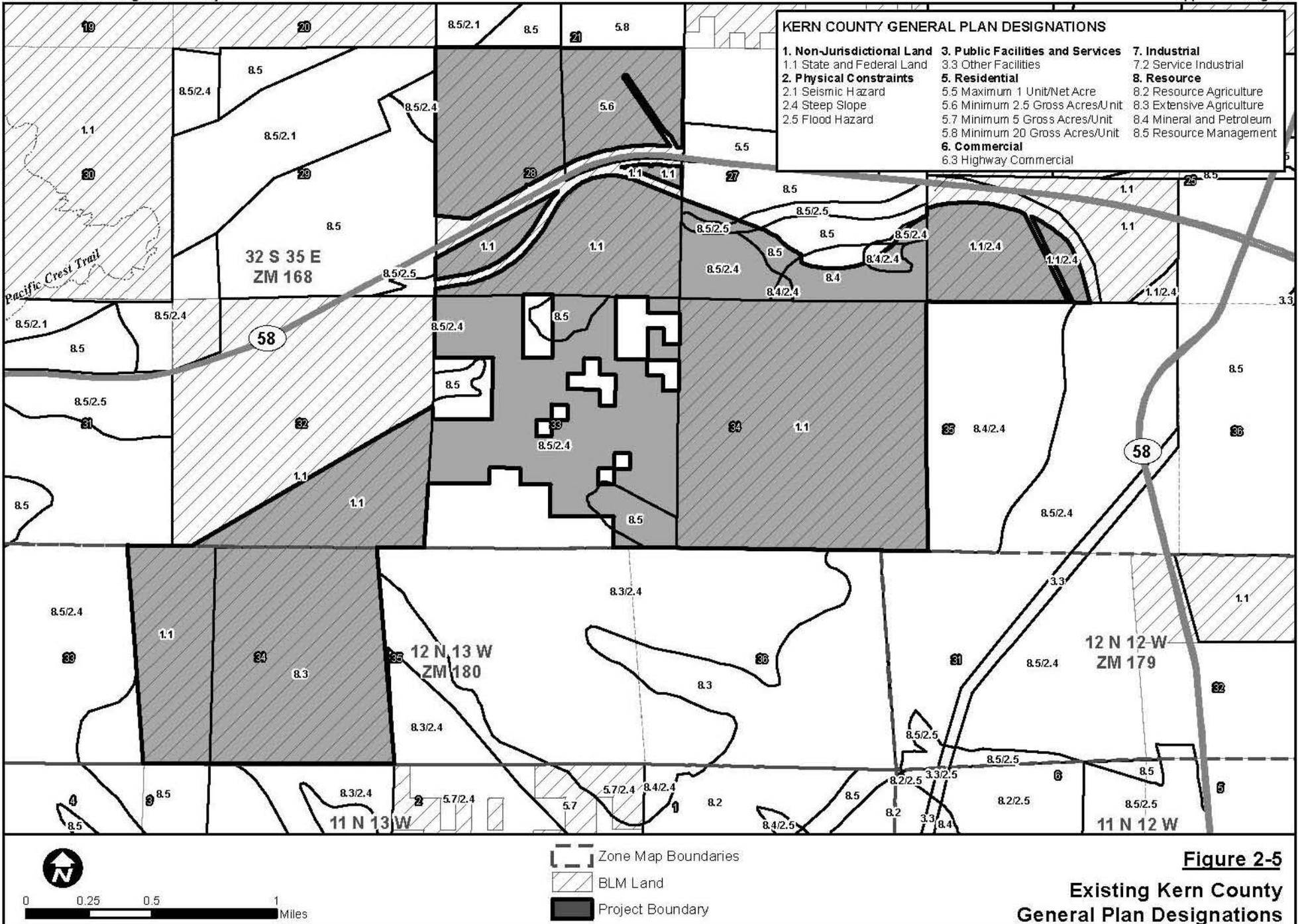
-  Alta Infill II Transmission Line
-  Alta East Transmission Line
-  Project Boundary

**Figure 2-3**

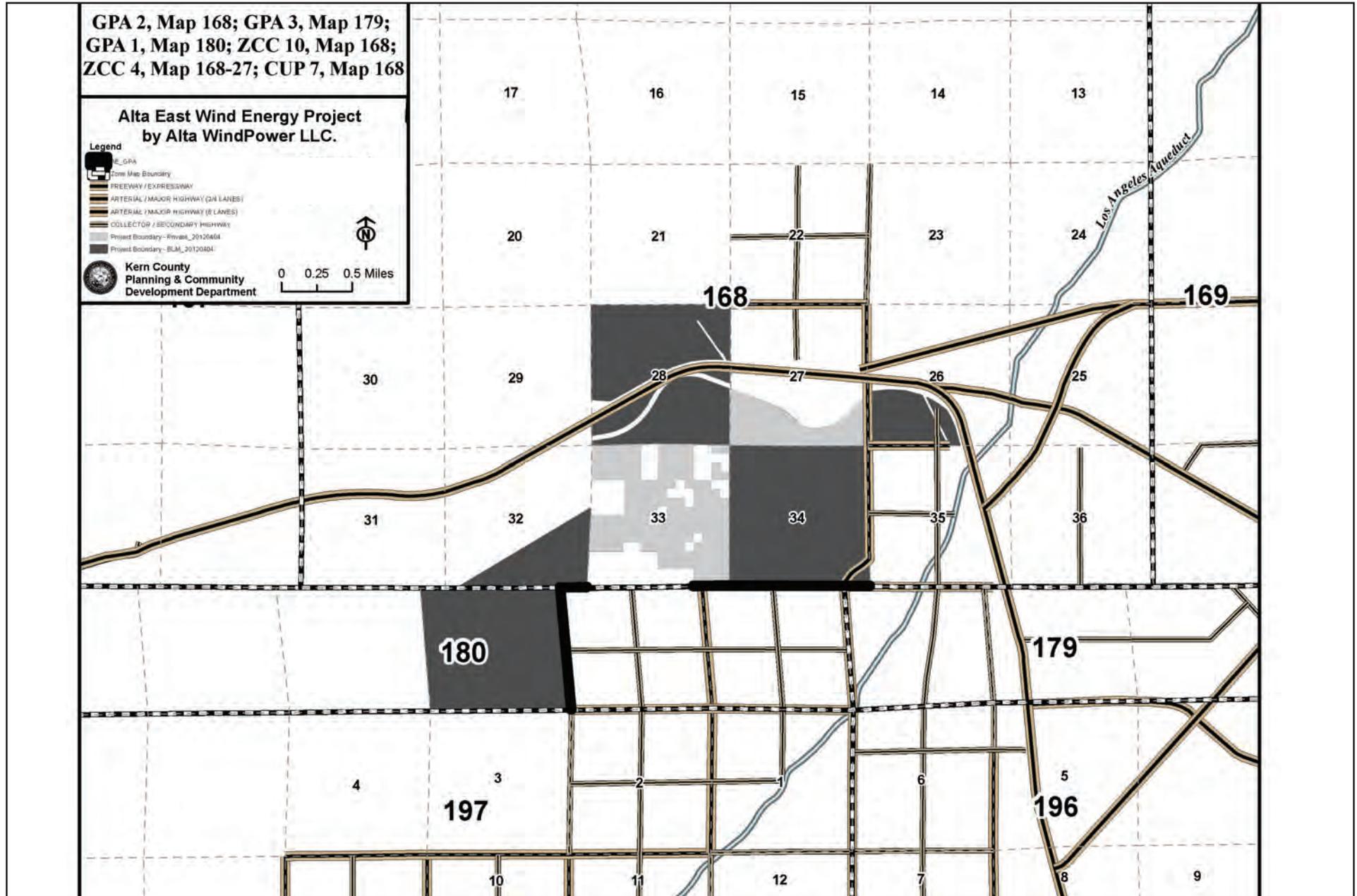
**Alta East Wind Project  
Transmission Line**



**Figure 2-4**  
**Proposed Action**  
**BLM Designations**



**Figure 2-5**  
Existing Kern County  
General Plan Designations



**Figure 2-6  
Proposed GPA's**

Source: Kern County Planning and Community Development Department

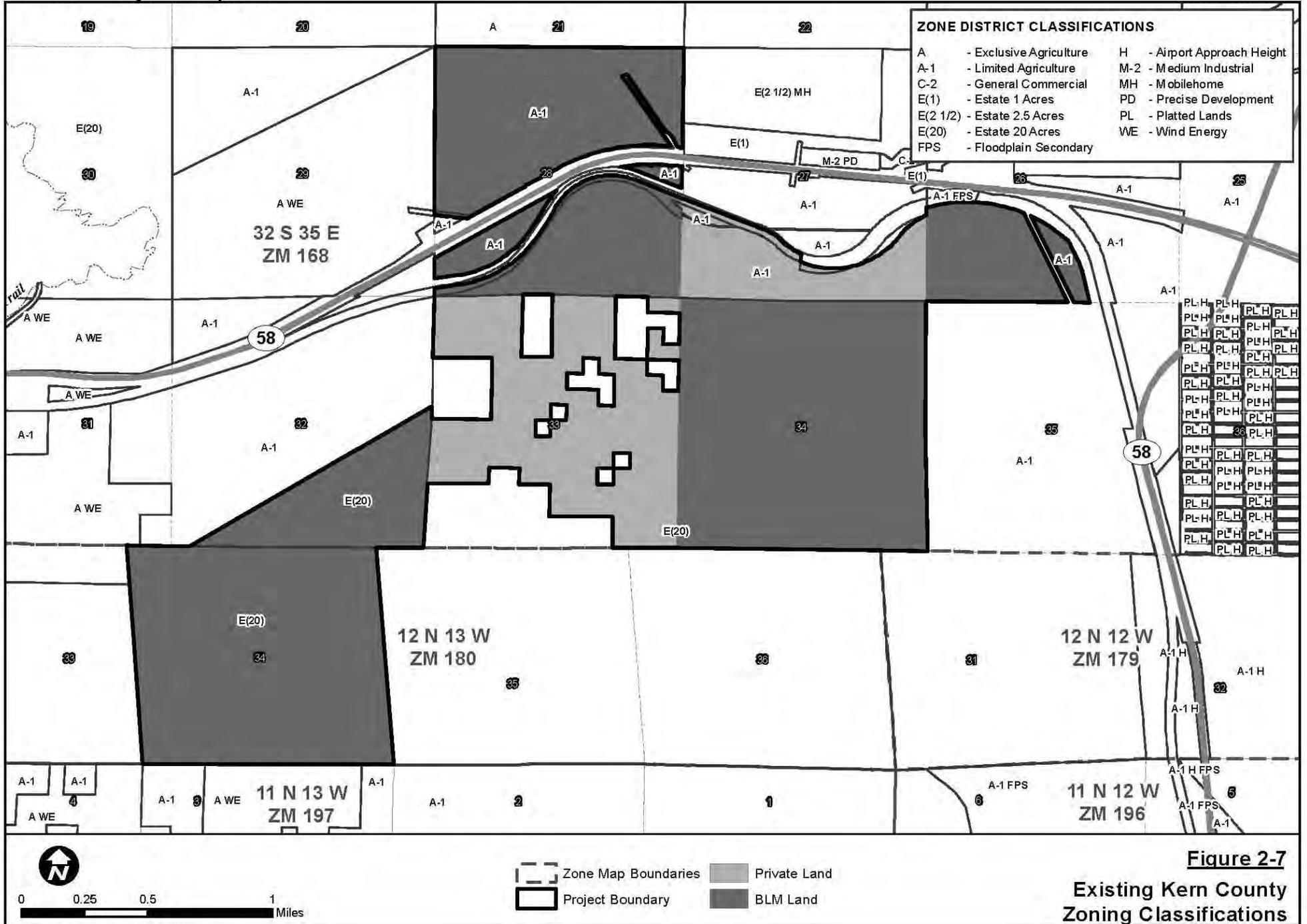
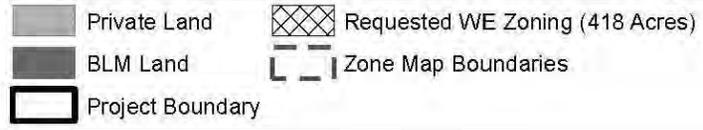
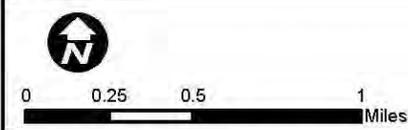
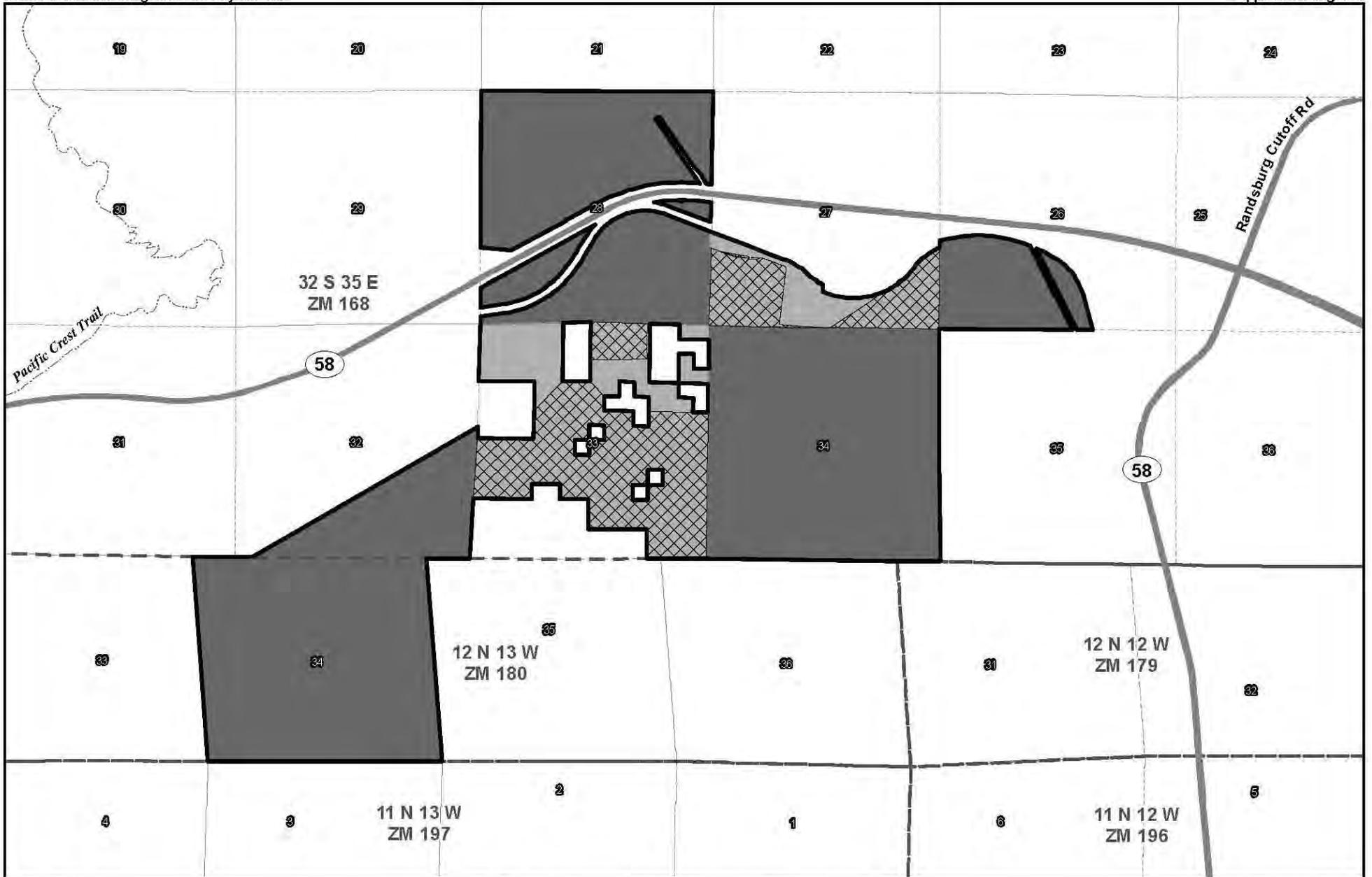


Figure 2-7

Existing Kern County Zoning Classifications

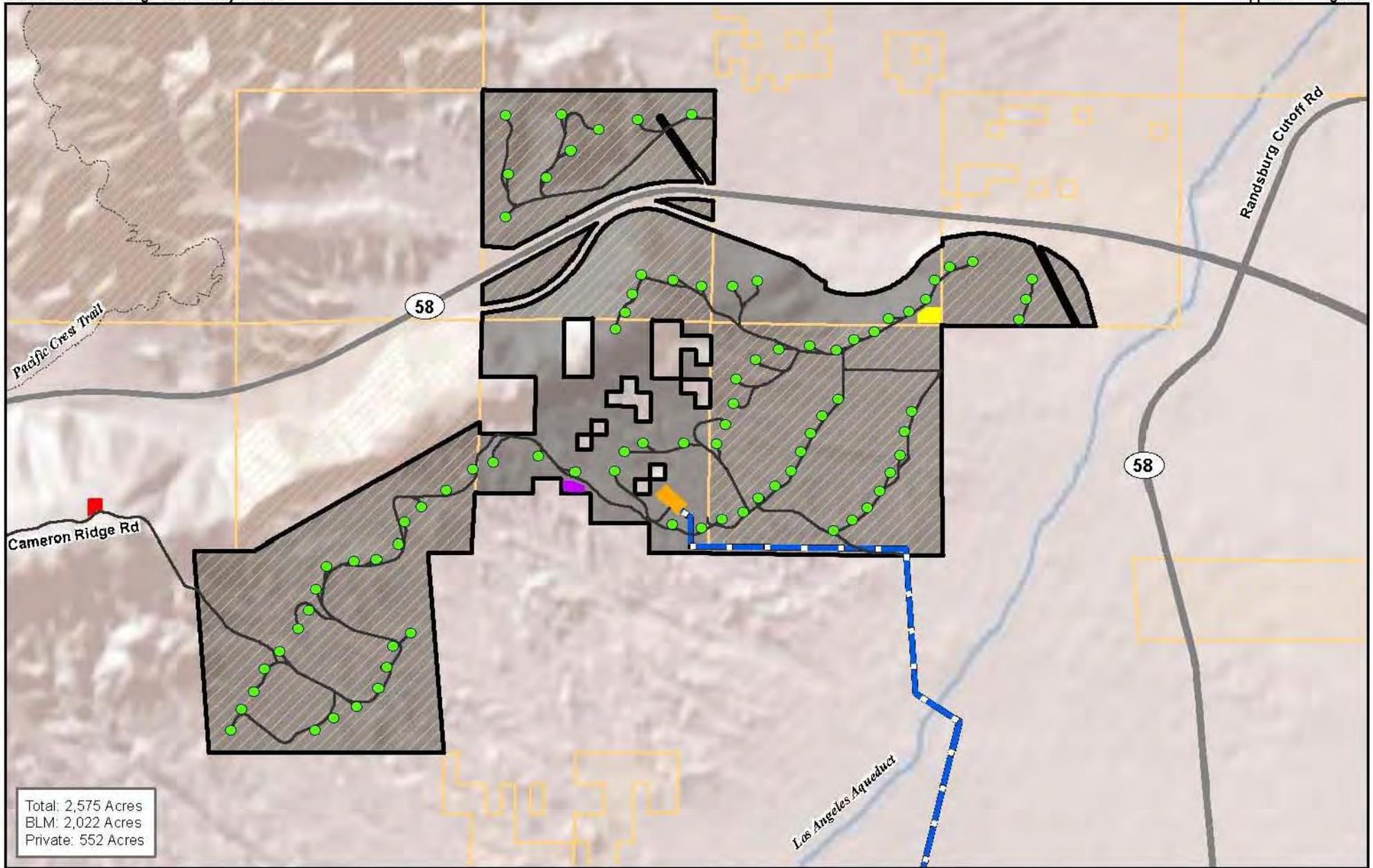


**Figure 2-8**  
**Requested Kern County**  
**WE Zone Change**

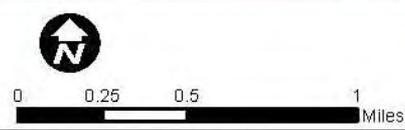


- Turbines
- ~ Access Roads
- Project Transmission Line
- Project Boundary
- Batch Plant
- Laydown Area
- ▣ O & M Facility
- ▤ Project Substation

**Figure 2-9**  
**Alternative A:**  
**Project Site Plan (Black & White)**

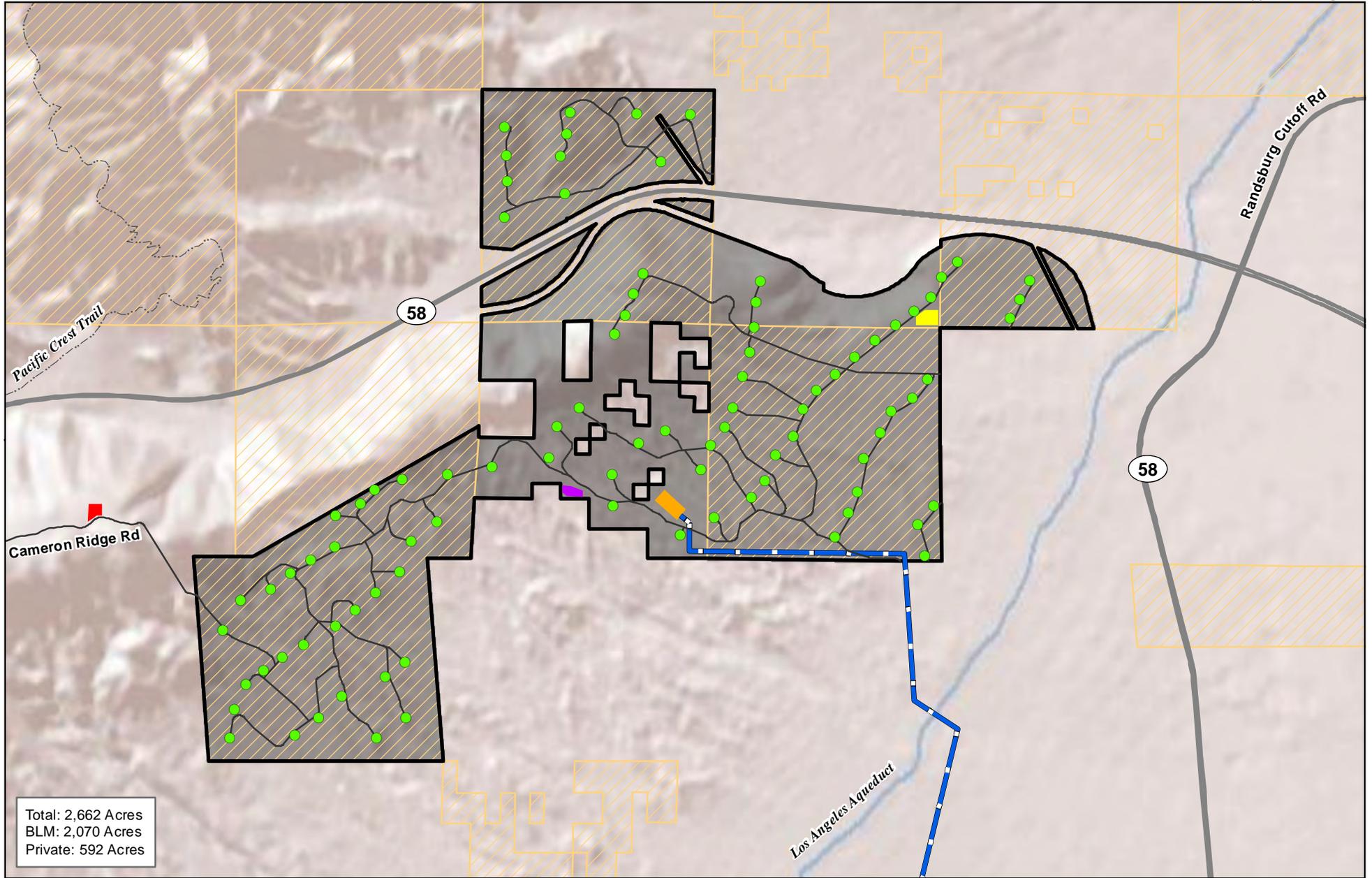


Total: 2,575 Acres  
 BLM: 2,022 Acres  
 Private: 552 Acres

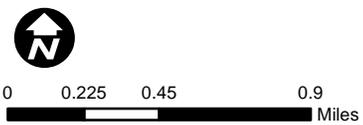


- Turbines
- Batch Plant
- O & M Facility
- Access Roads
- Project Substation
- Laydown Area
- Project Transmission Line
- Project Boundary
- BLM Land

**Figure 2-10**  
**Alternative A:**  
**Project Site Plan (Color)**

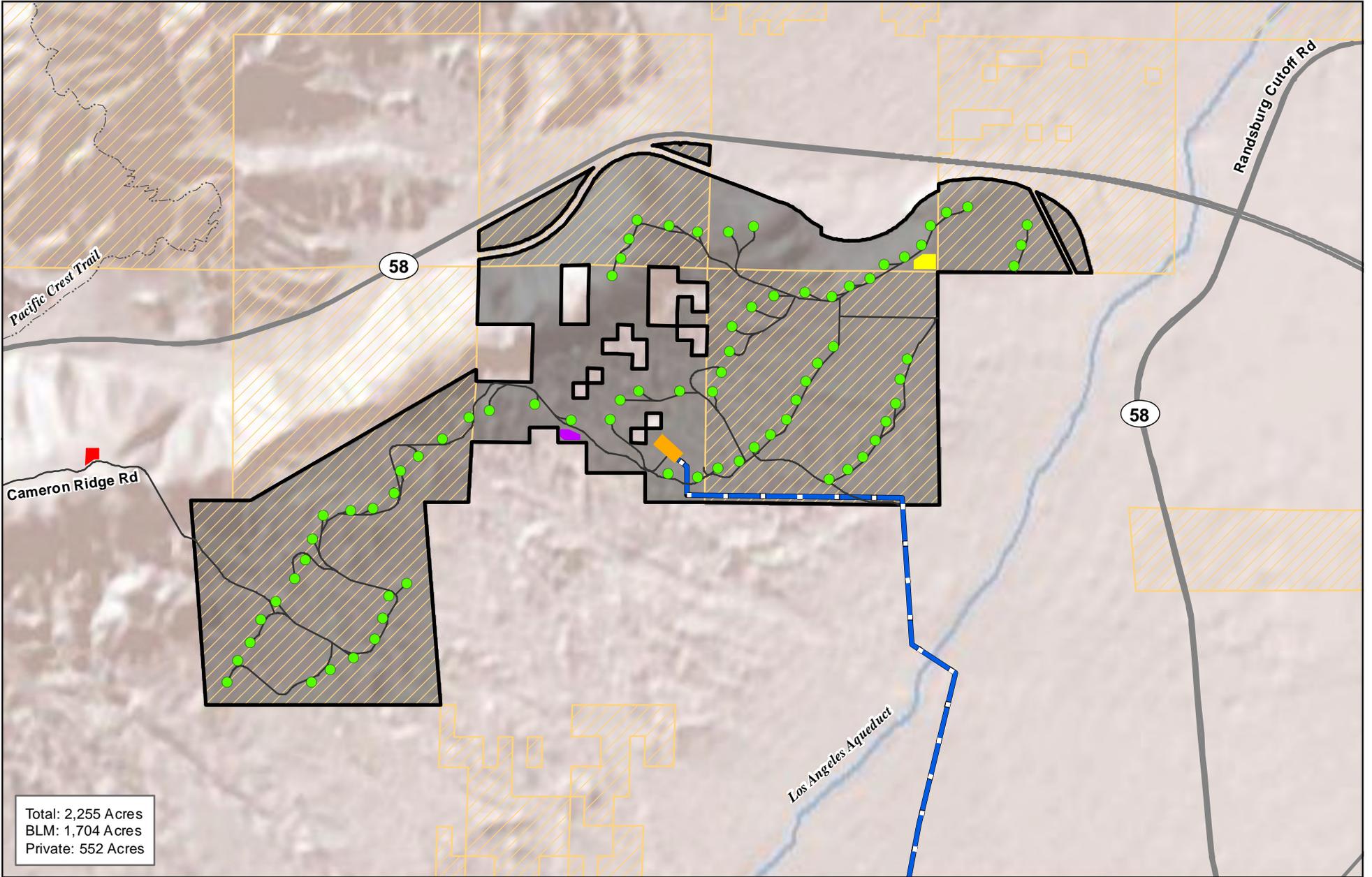


Total: 2,662 Acres  
 BLM: 2,070 Acres  
 Private: 592 Acres

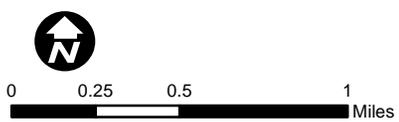


- Turbines
- Batch Plant
- O & M Facility
- Access Roads
- Project Substation
- Laydown Area
- Project Transmission Line
- Project Boundary
- BLM Land

**Figure 2-11**  
**Alternative B:**  
**Revised Site Plan**

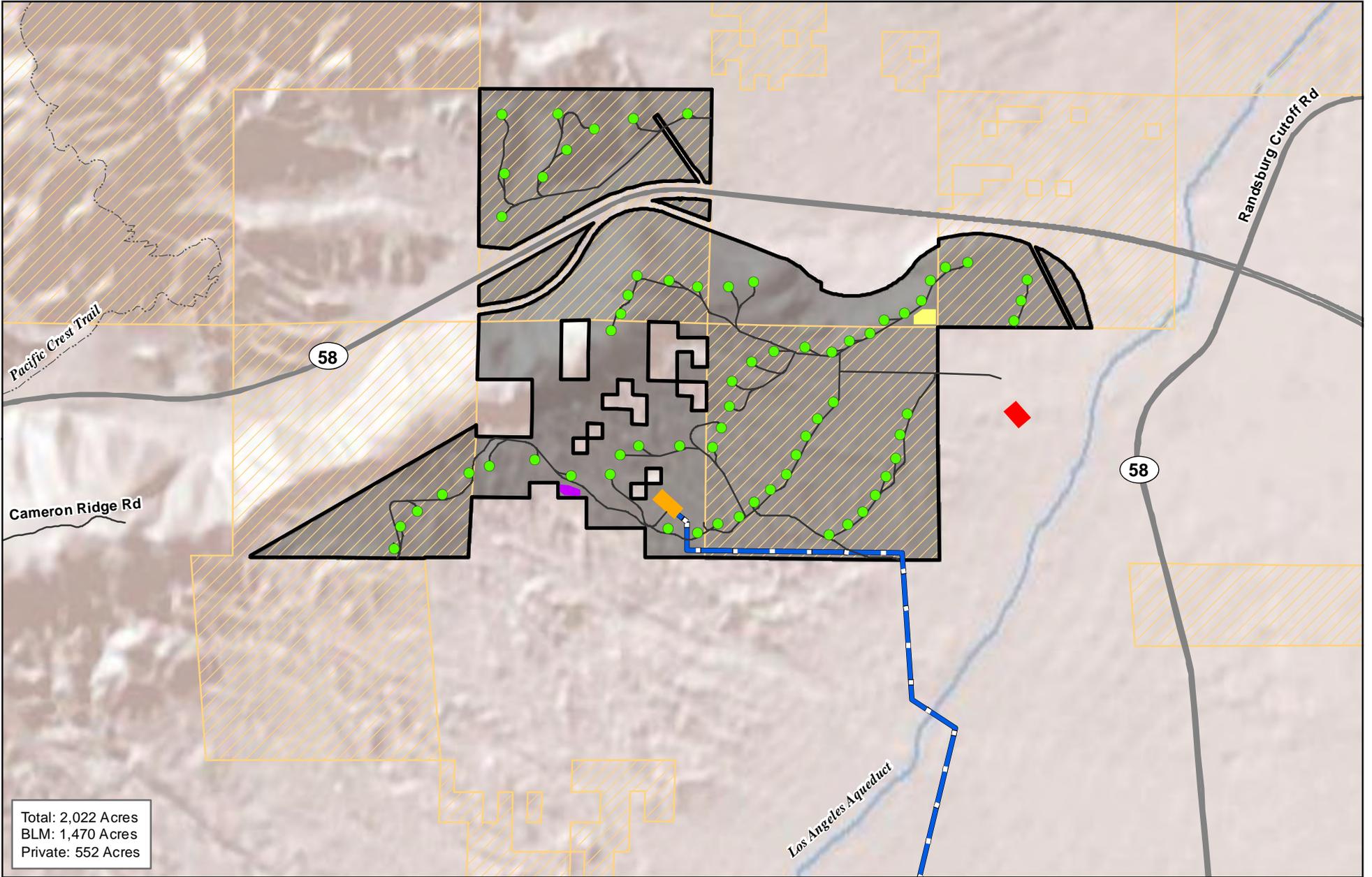


Total: 2,255 Acres  
 BLM: 1,704 Acres  
 Private: 552 Acres

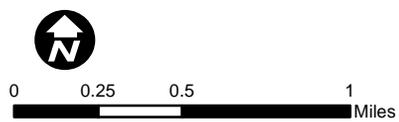


- Turbines
- Batch Plant
- O & M Facility
- Access Roads
- Project Substation
- Laydown Area
- Project Transmission Line
- Project Boundary
- BLM Land

**Figure 2-12**  
**Alternative C:**  
**Reduced Project North**



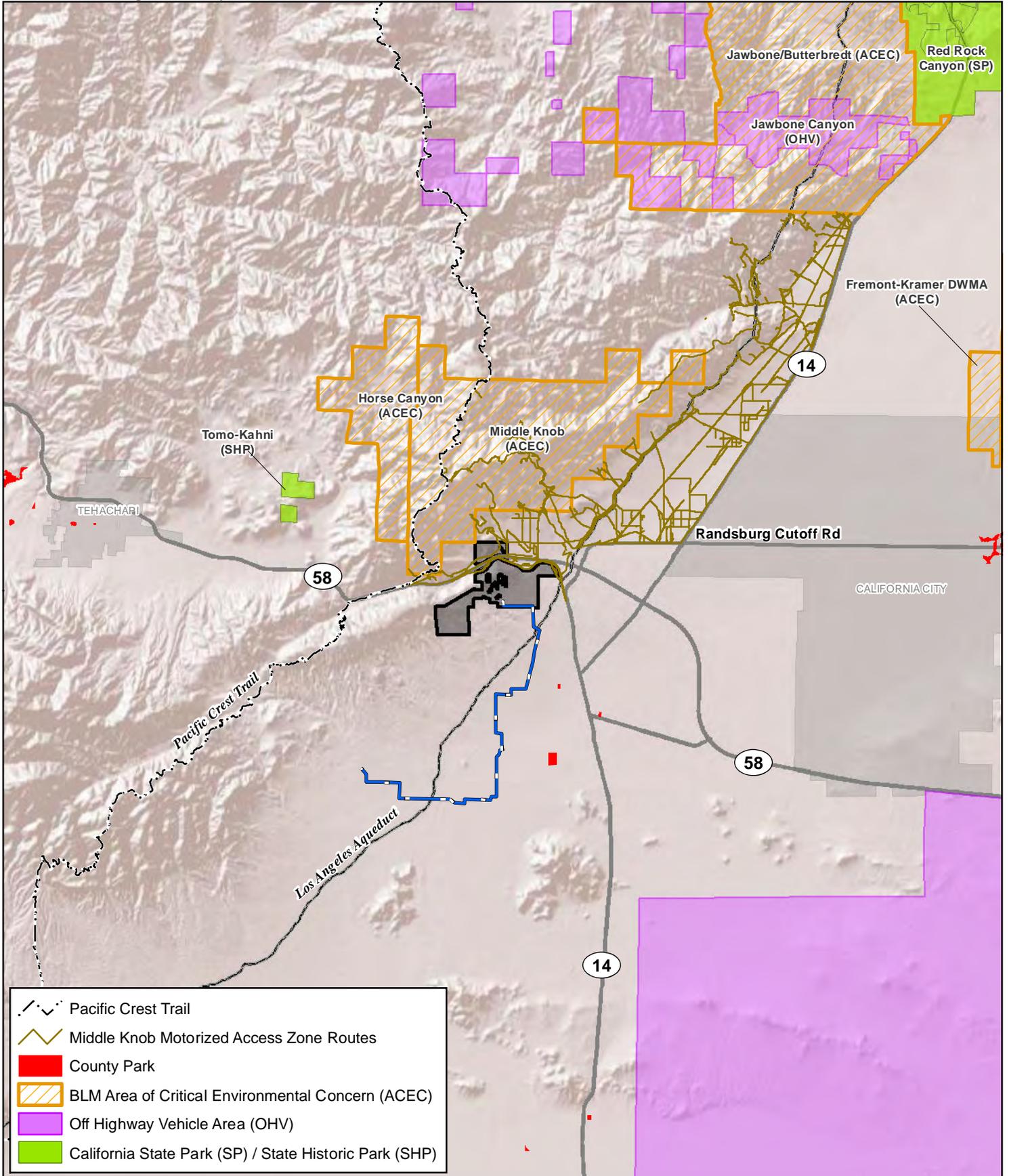
Total: 2,022 Acres  
 BLM: 1,470 Acres  
 Private: 552 Acres



- Turbines
- Batch Plant
- O & M Facility
- Access Roads
- Project Substation
- Laydown Area
- Project Transmission Line
- Project Boundary
- BLM Land

**Figure 2-13**

**Alternative D:  
Reduced Project Southwest**

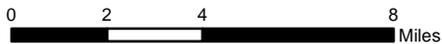


	Pacific Crest Trail
	Middle Knob Motorized Access Zone Routes
	County Park
	BLM Area of Critical Environmental Concern (ACEC)
	Off Highway Vehicle Area (OHV)
	California State Park (SP) / State Historic Park (SHP)



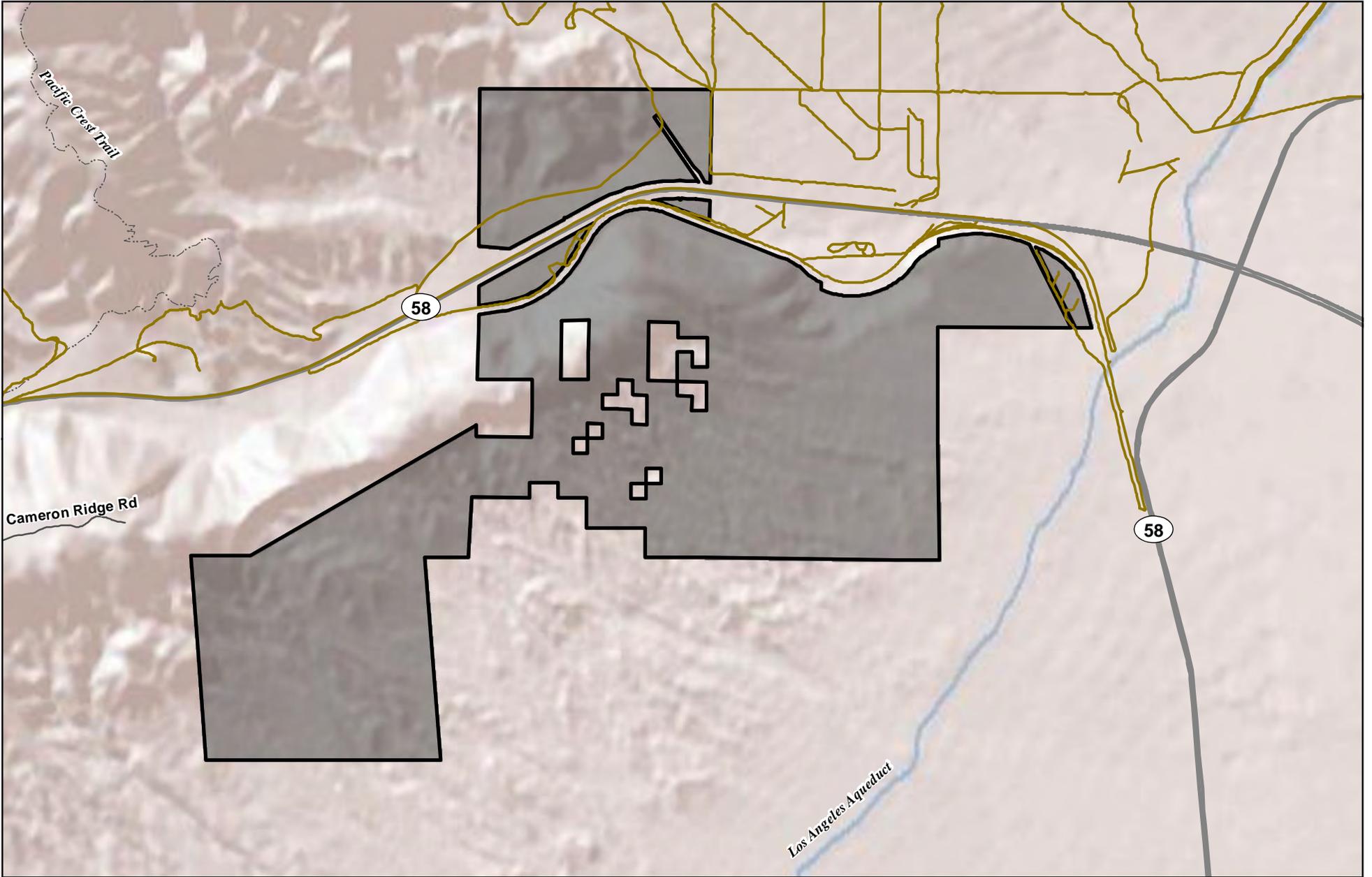
Project Transmission Line

Project Boundary



**Figure 3.12-1**

**Regional Recreation Resources**

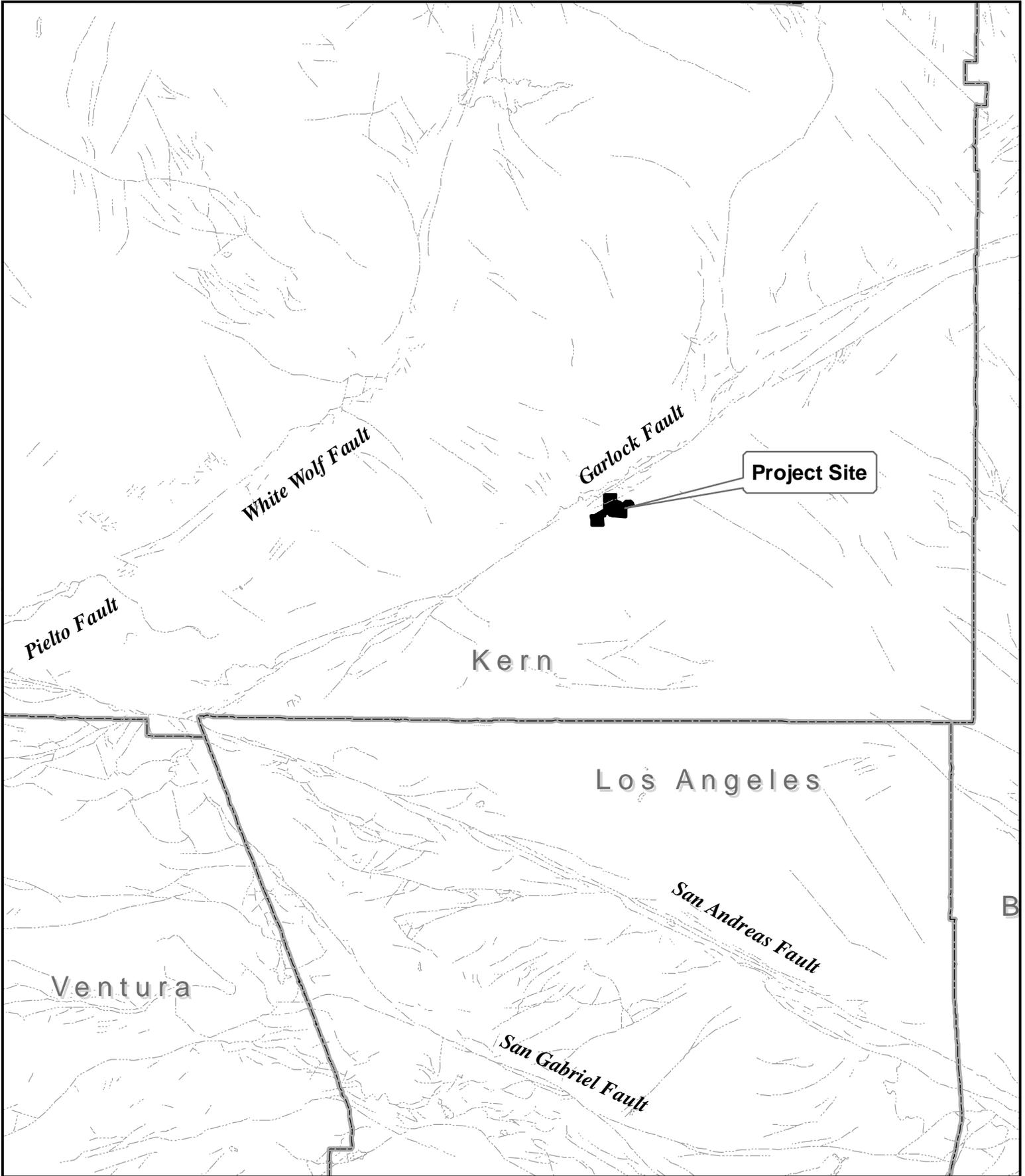


0 0.25 0.5 1 Miles

 Middle Knob Motorized Access Zone Routes  
 Project Boundary

**Figure 3.12-2**

**Middle Knob Motorized Access Zone Routes in Project Area**



Project Site

Kern

Los Angeles

Ventura

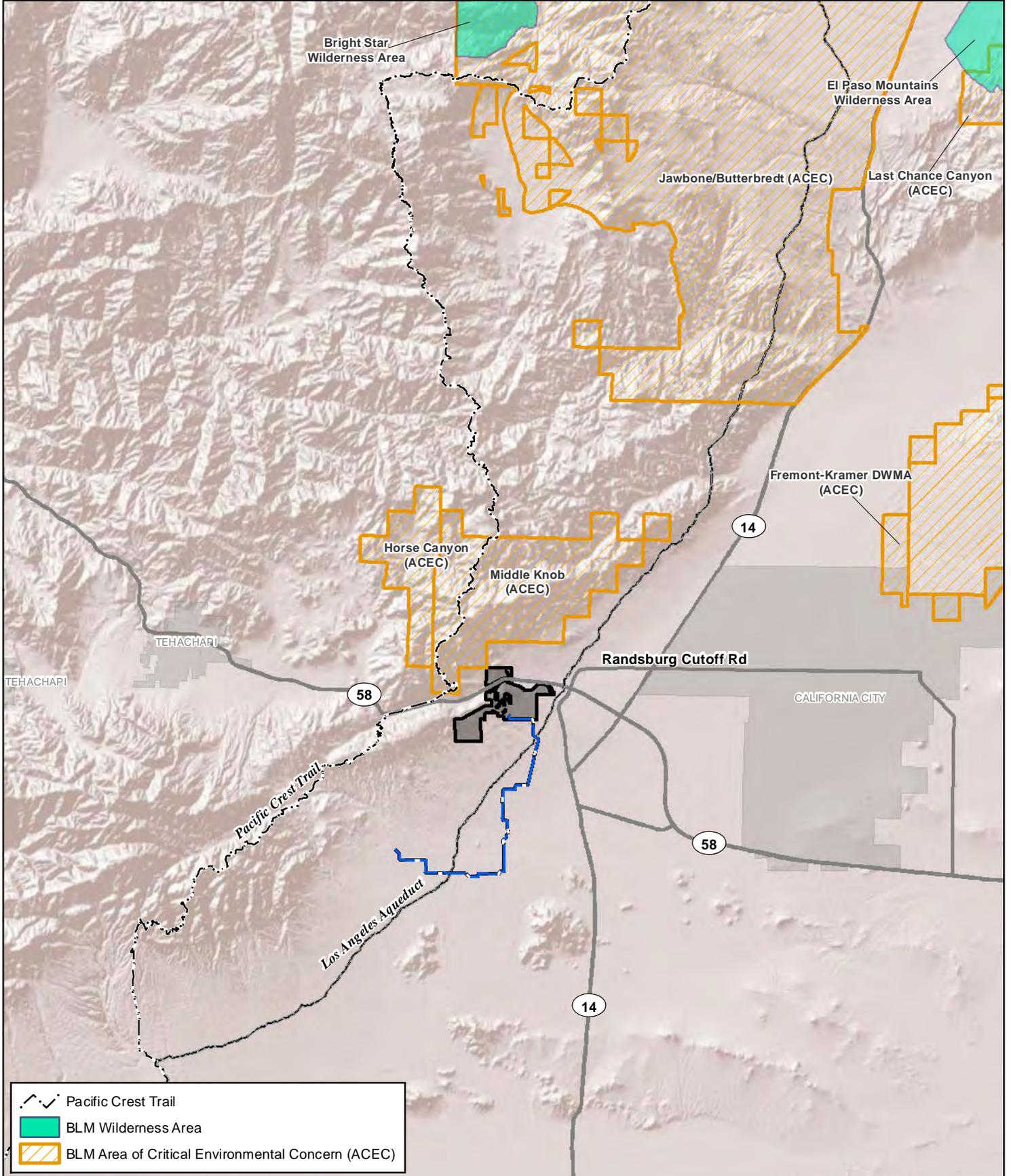


0 5 10 20  
Miles

-  Faults
-  Counties
-  Project Boundary

**Figure 3.14-1**  
**Regional Fault Lines**

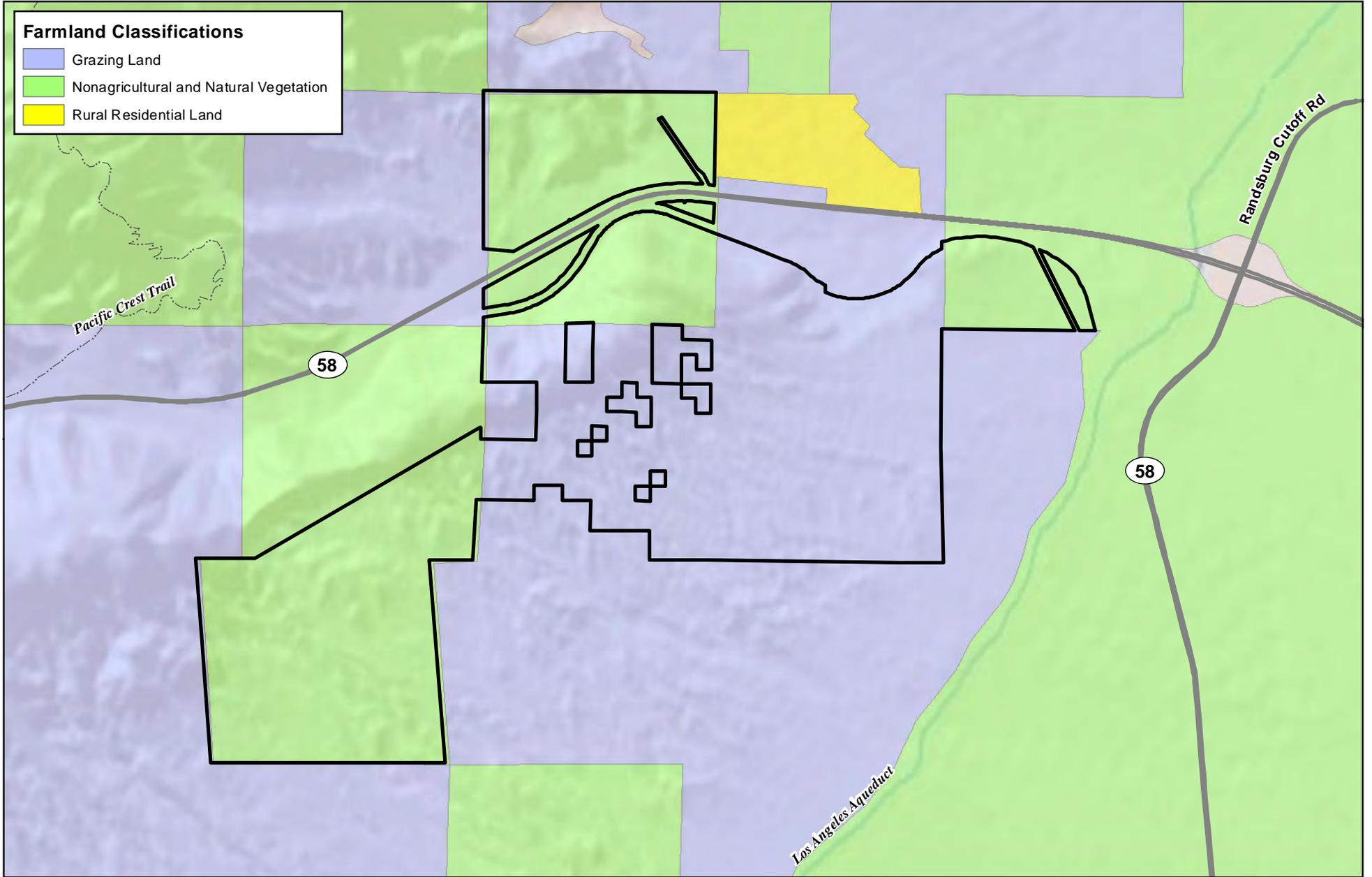
Source: USGS



-  Pacific Crest Trail
-  BLM Wilderness Area
-  BLM Area of Critical Environmental Concern (ACEC)

-  Project Transmission Line
-  Project Boundary

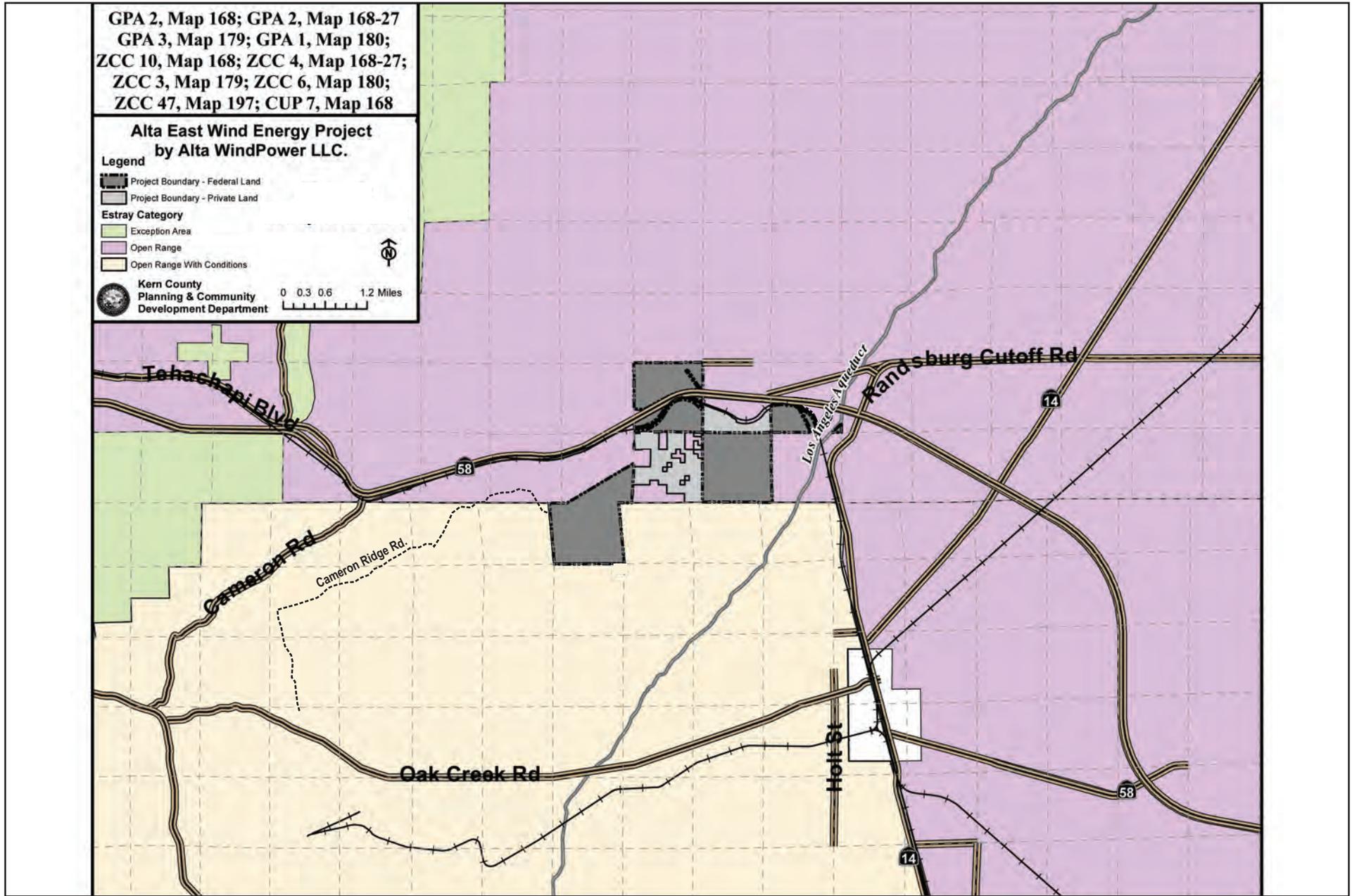
**Figure 3.15-1**  
**Special Designations**



0 0.25 0.5 1 Miles

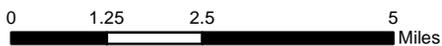
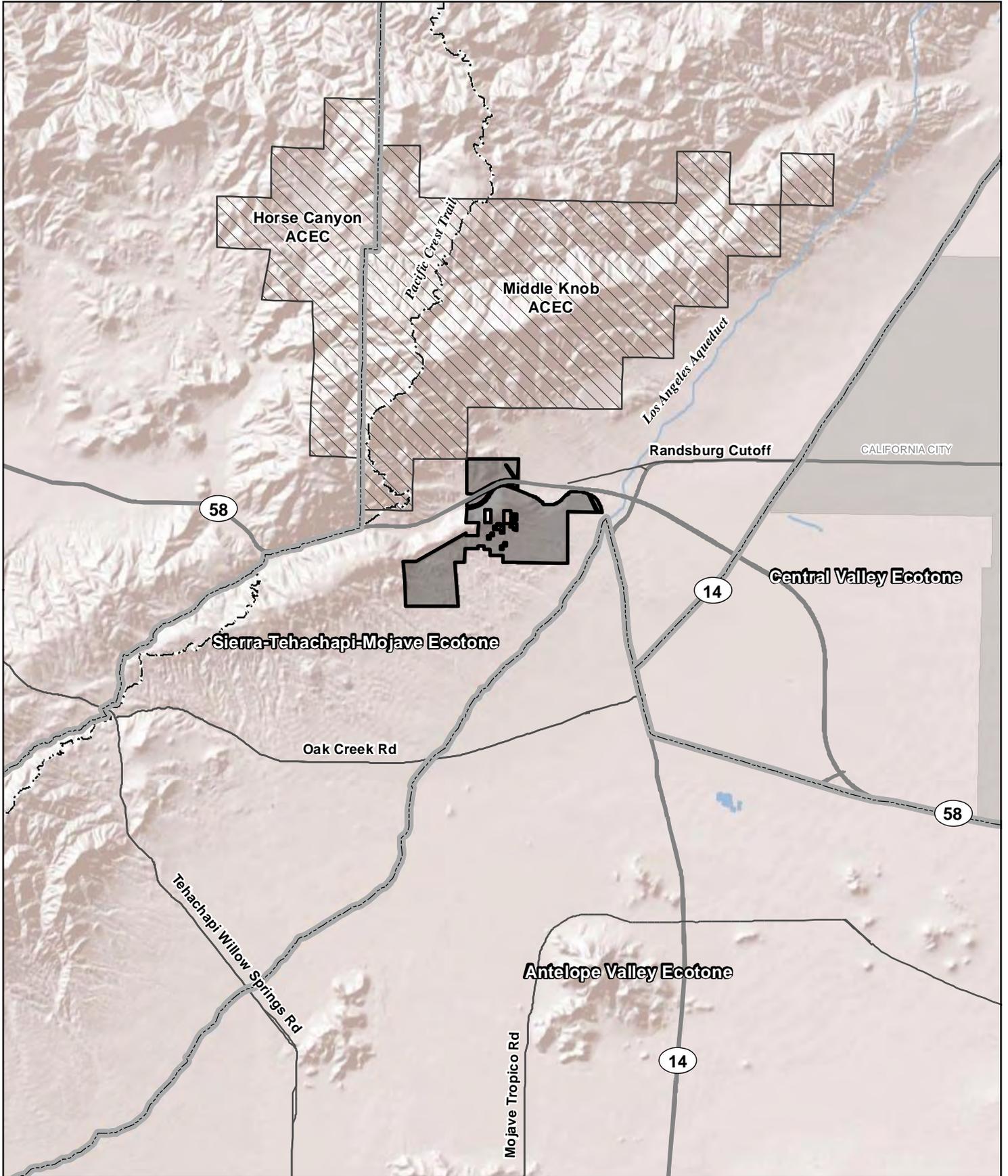
Project Boundary

**Figure 3.15-2**  
**Farmland Classifications**



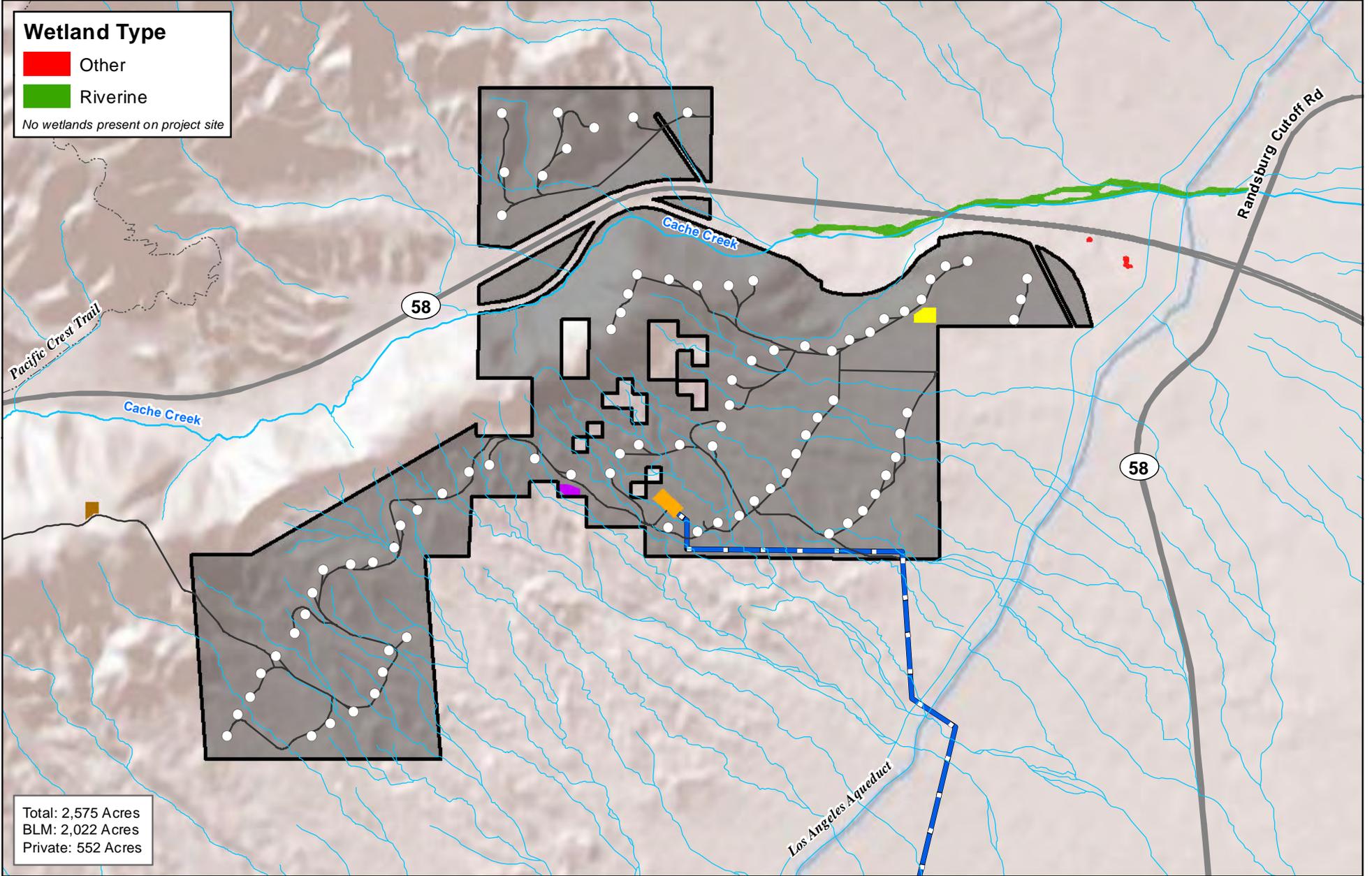
**Figure 3.15-3  
Estray Ordinance**

Source: Kern County Planning and Community Development Department



-  ACEC
-  Ecotone
-  Project Boundary

**Figure 3.17-1**  
**Regional Ecotone Locations**

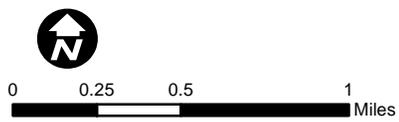


**Wetland Type**

- Other
- Riverine

*No wetlands present on project site*

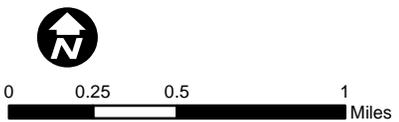
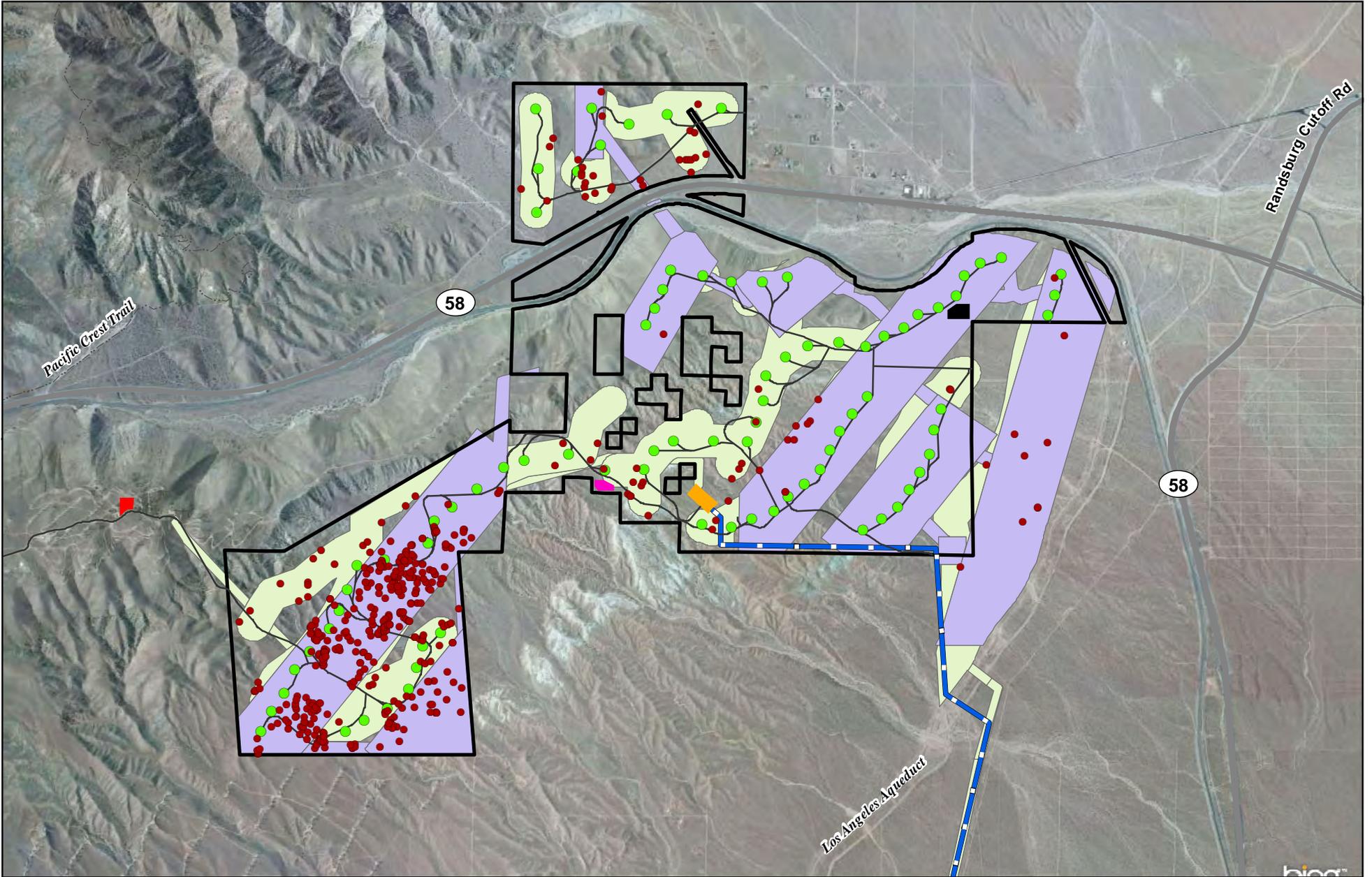
Total: 2,575 Acres  
 BLM: 2,022 Acres  
 Private: 552 Acres



- Turbines
- Streams
- O & M Facility
- Access Roads
- Batch Plant
- Project Substation
- Project Transmission Line
- Laydown Area
- Project Boundary

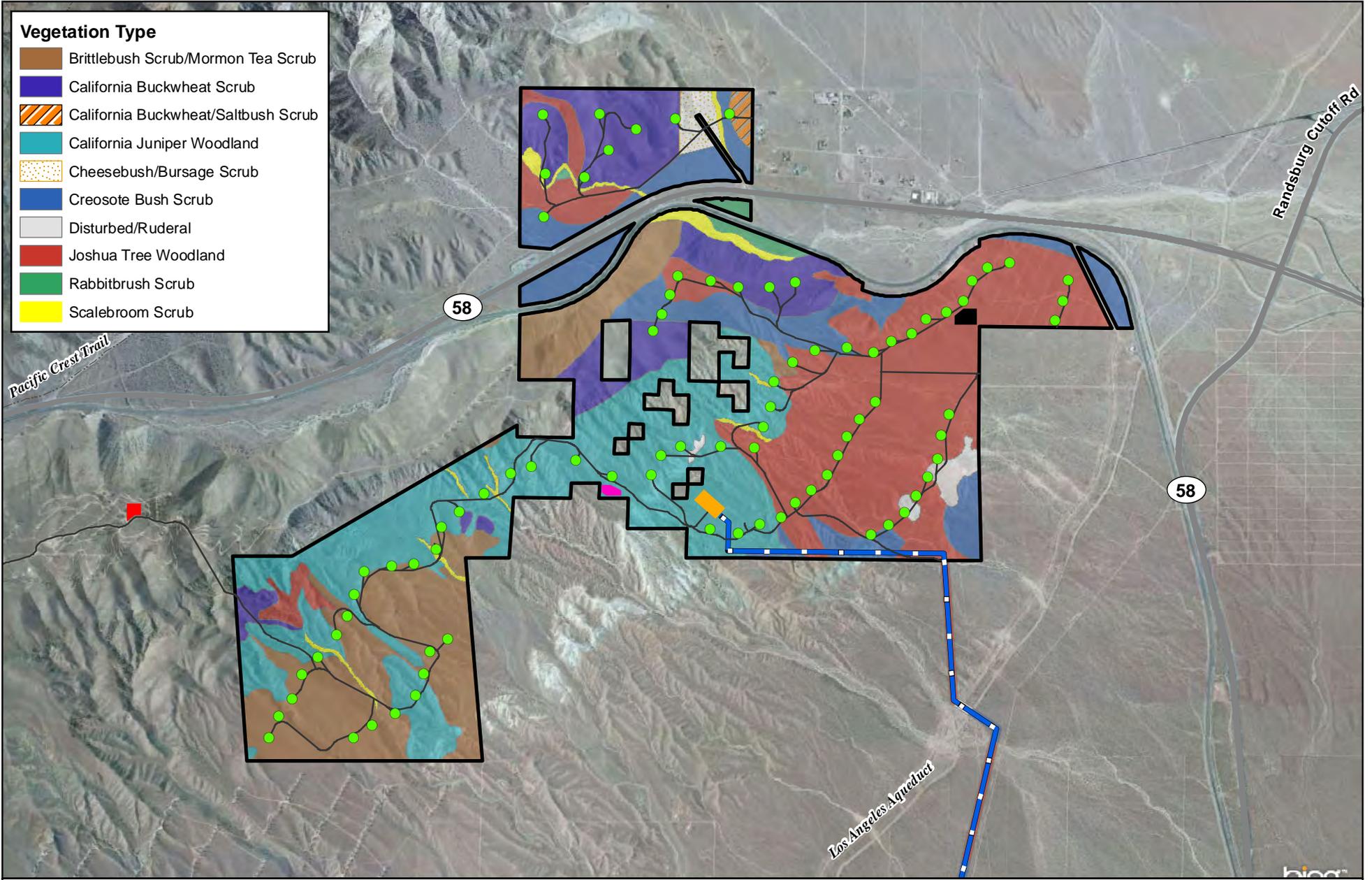
**Figure 3.17-2**

**Wetlands and Streams  
(With Alt. A Site Plan Features)**



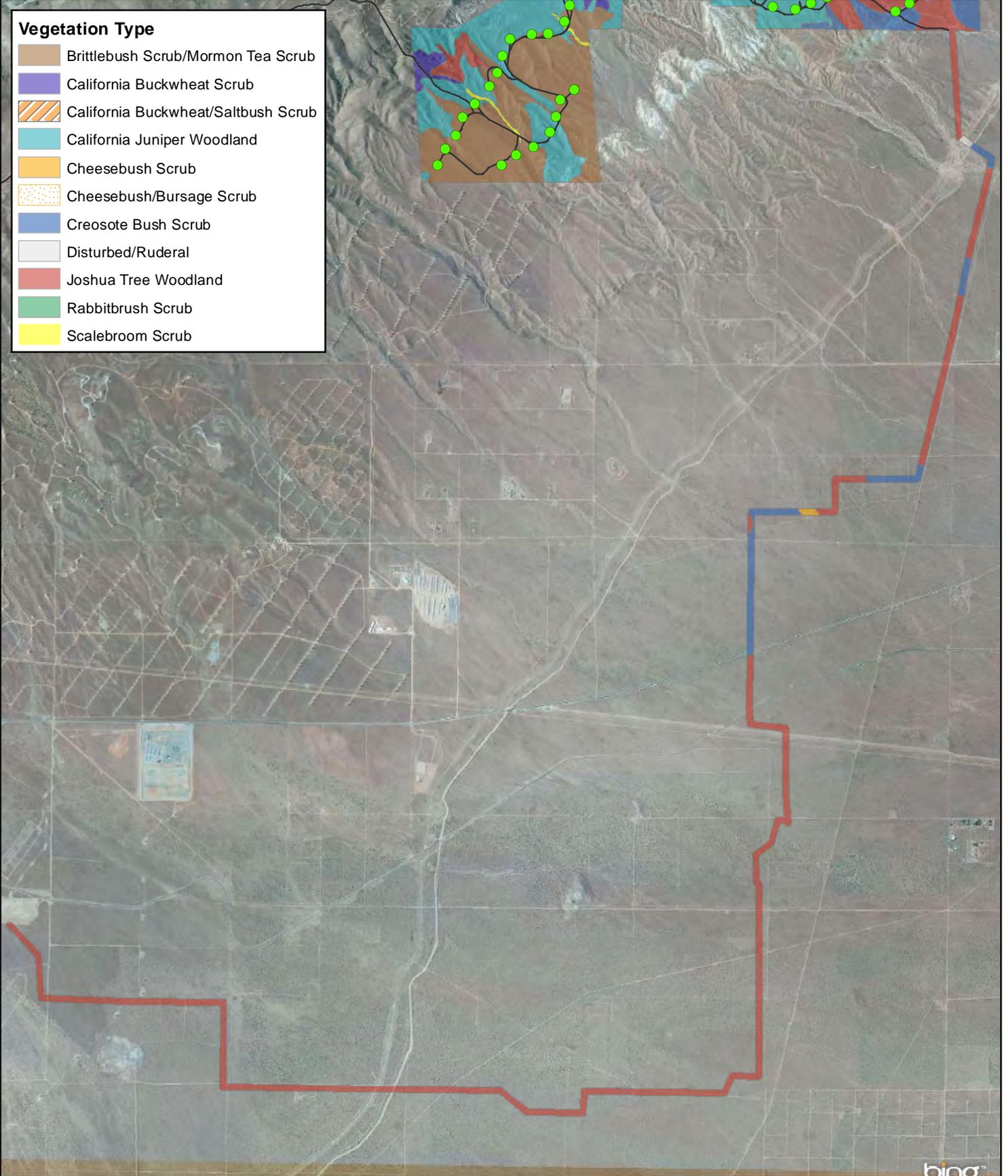
- Bakersfield Cactus
- Turbines
- Access Roads
- Project Transmission Line
- Batch Plant
- Laydown Area
- O & M Facility
- Project Substation
- Project Boundary
- Rare Plant Survey Corridor 2010
- Rare Plant Survey Corridors 2011

**Figure 3.17-3**  
**Bakersfield Cactus**  
 (With Alt. A Site Plan Features)  
 June 2012



**Figure 3.17-4**

**Vegetation Communities - Project Site**  
(With Alt. A Site Plan Features)



- Vegetation Type**
- Brittlebush Scrub/Mormon Tea Scrub
  - California Buckwheat Scrub
  - California Buckwheat/Saltbush Scrub
  - California Juniper Woodland
  - Cheesebush Scrub
  - Cheesebush/Bursage Scrub
  - Creosote Bush Scrub
  - Disturbed/Ruderal
  - Joshua Tree Woodland
  - Rabbitbrush Scrub
  - Scalebroom Scrub



0 0.25 0.5 1 Miles

- Turbines
- Access Roads

**Figure 3.17-5**  
**Vegetation Communities - Gen-Tie Line**  
 (With Alt. A Site Plan Features)

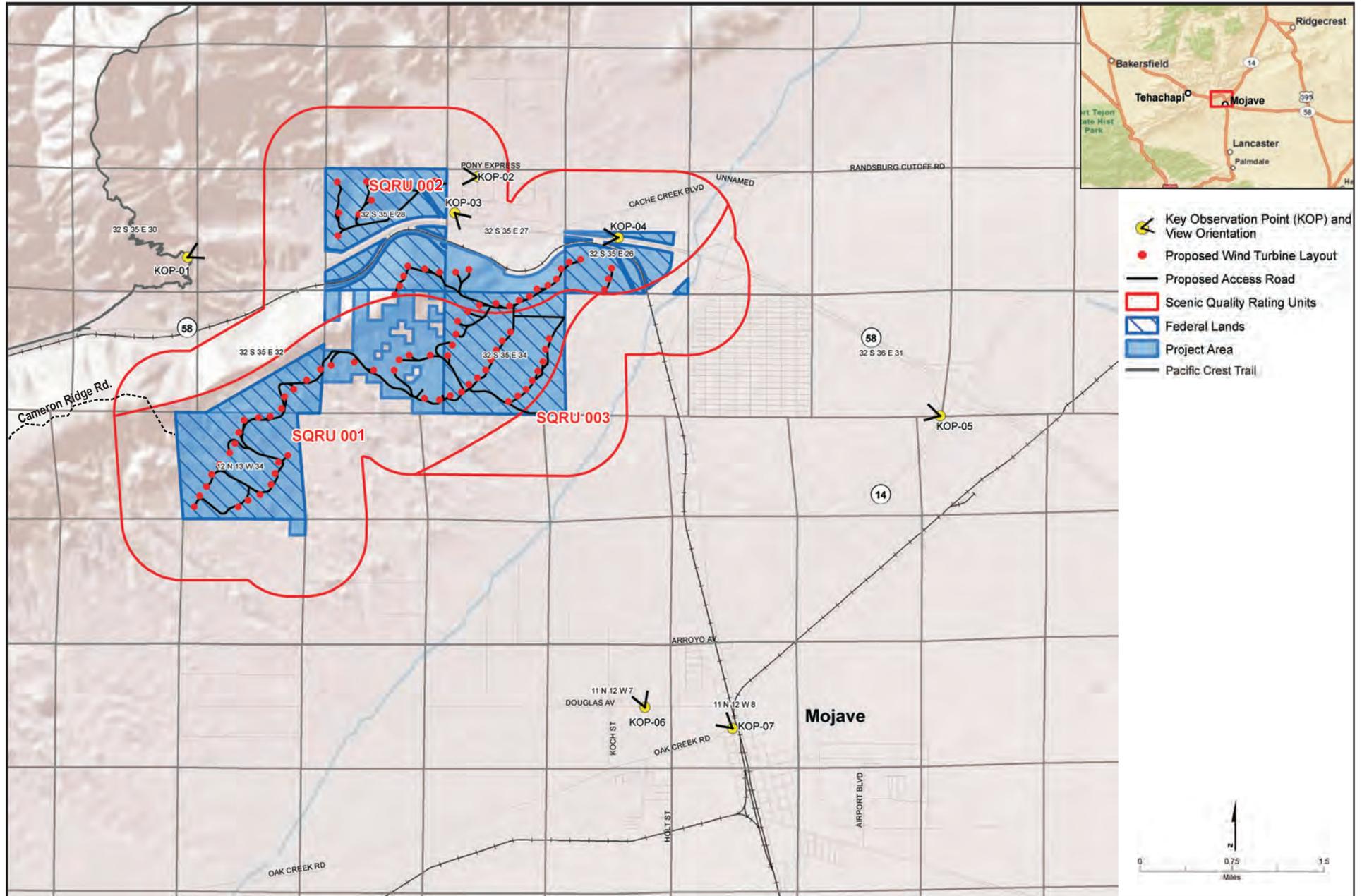
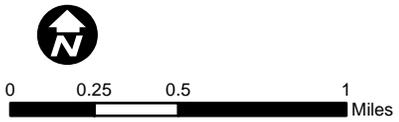
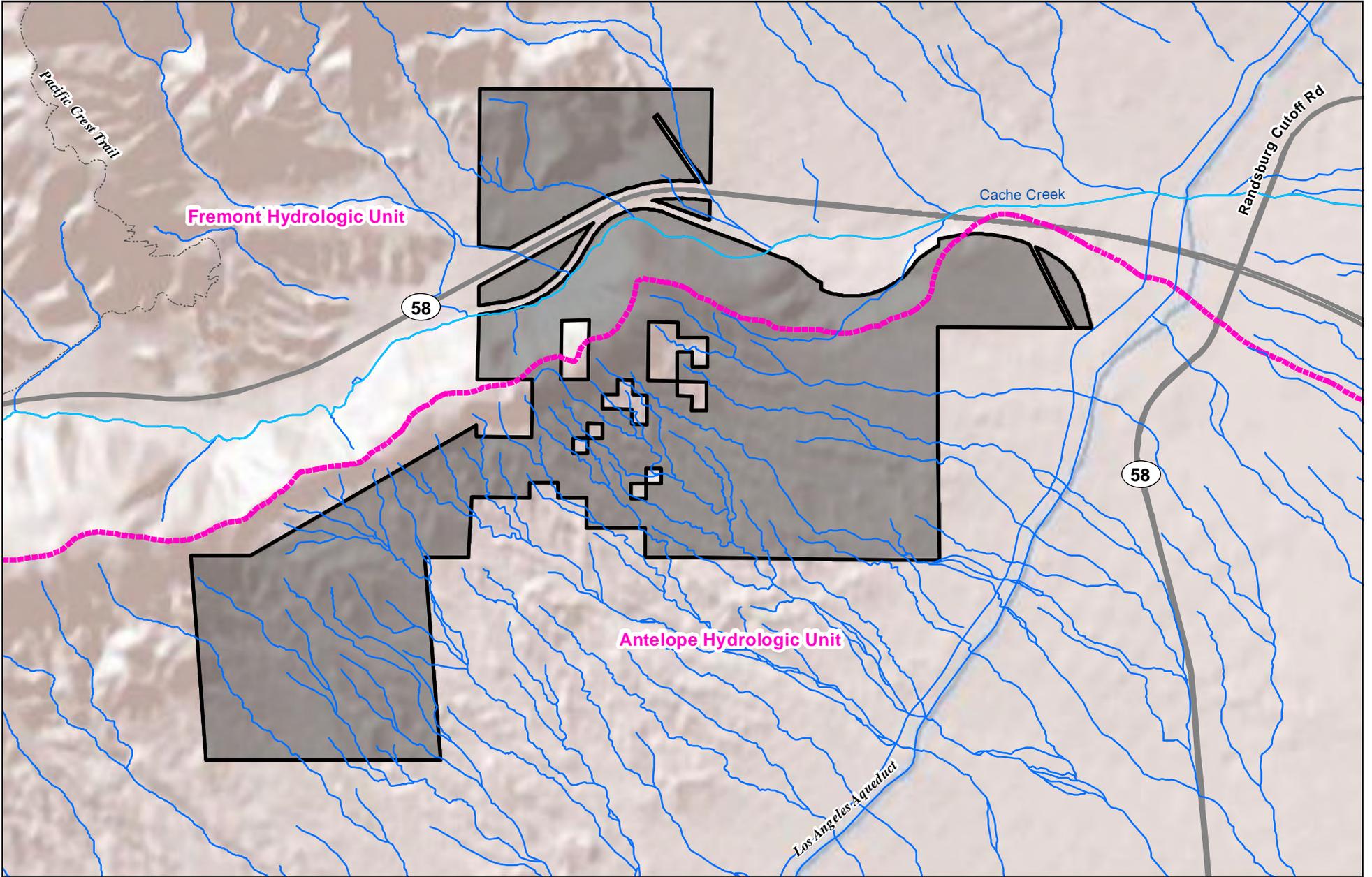


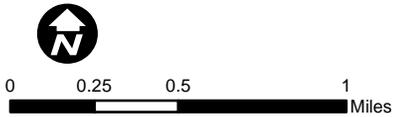
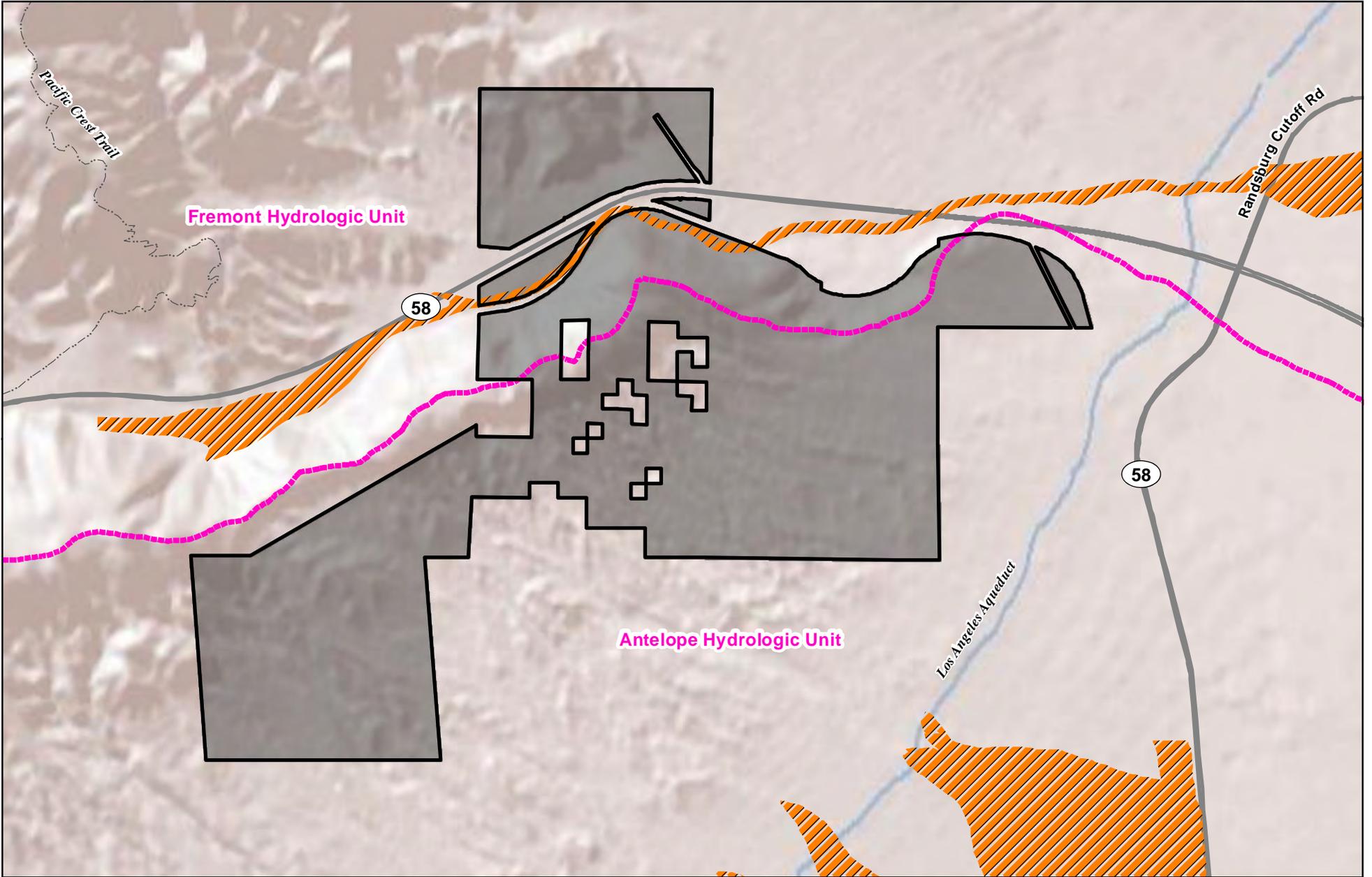
Figure 3.18-1

Location of Key Observation Points (KOPs)

Source: CH2MHill, 2012.

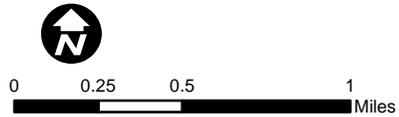
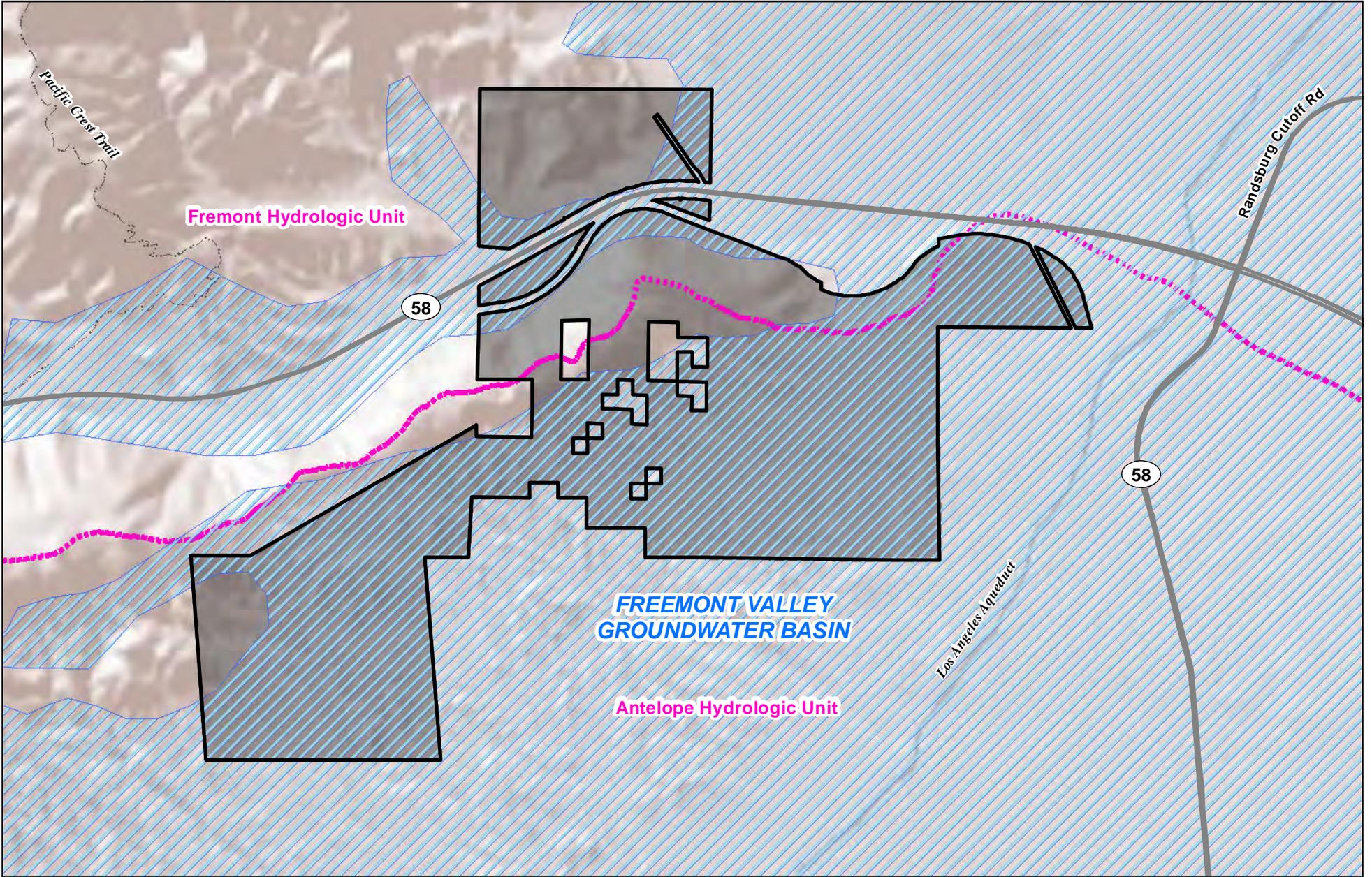


**Figure 3.19-1**  
**Surface Water Resources**



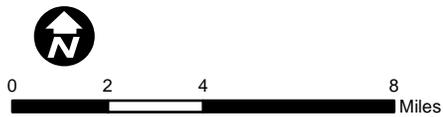
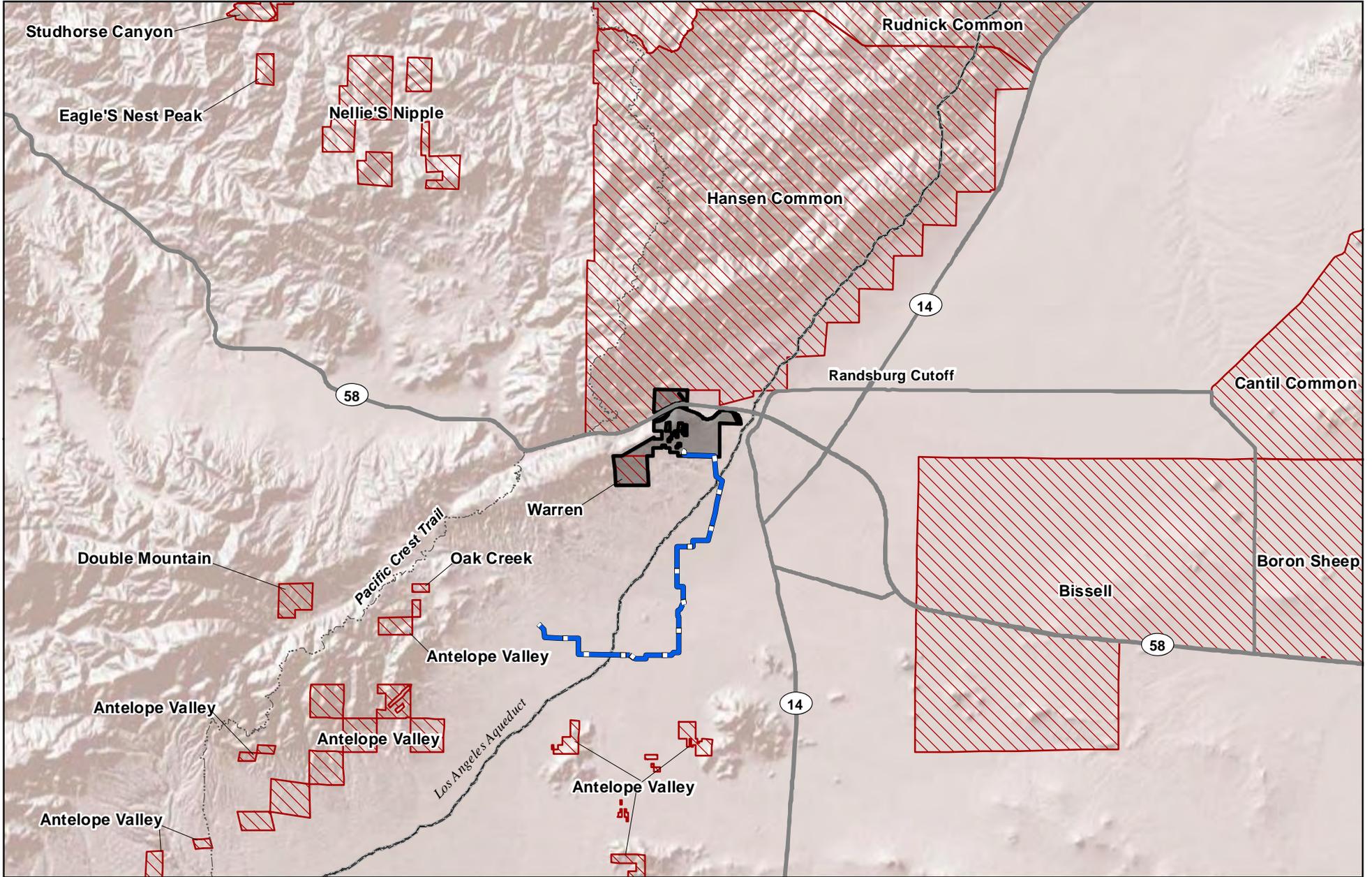
- Hydrologic Units
- FEMA 100-Year Flood Data
- Project Boundary

**Figure 3.19-2**  
**Flood Hazard Areas**



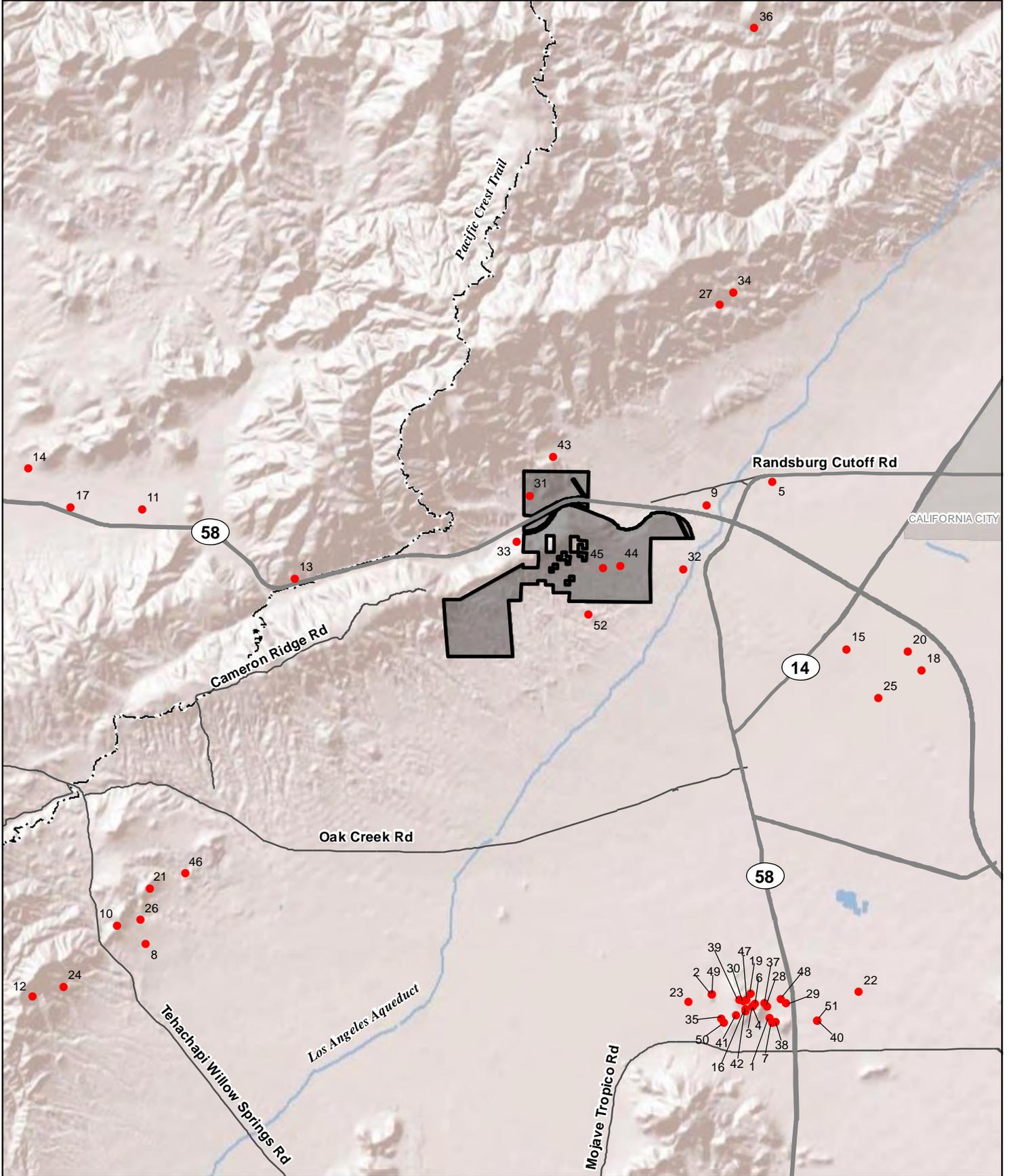
-  Groundwater Basins
-  Hydrologic Units
-  Project Boundary

**Figure 3.19-3**  
**Groundwater Resources**



-  Project Transmission Line
-  BLM Grazing Allotments
-  Project Boundary

**Figure 3.7-1**  
**BLM Grazing Allotments**



0 1 2 4 Miles

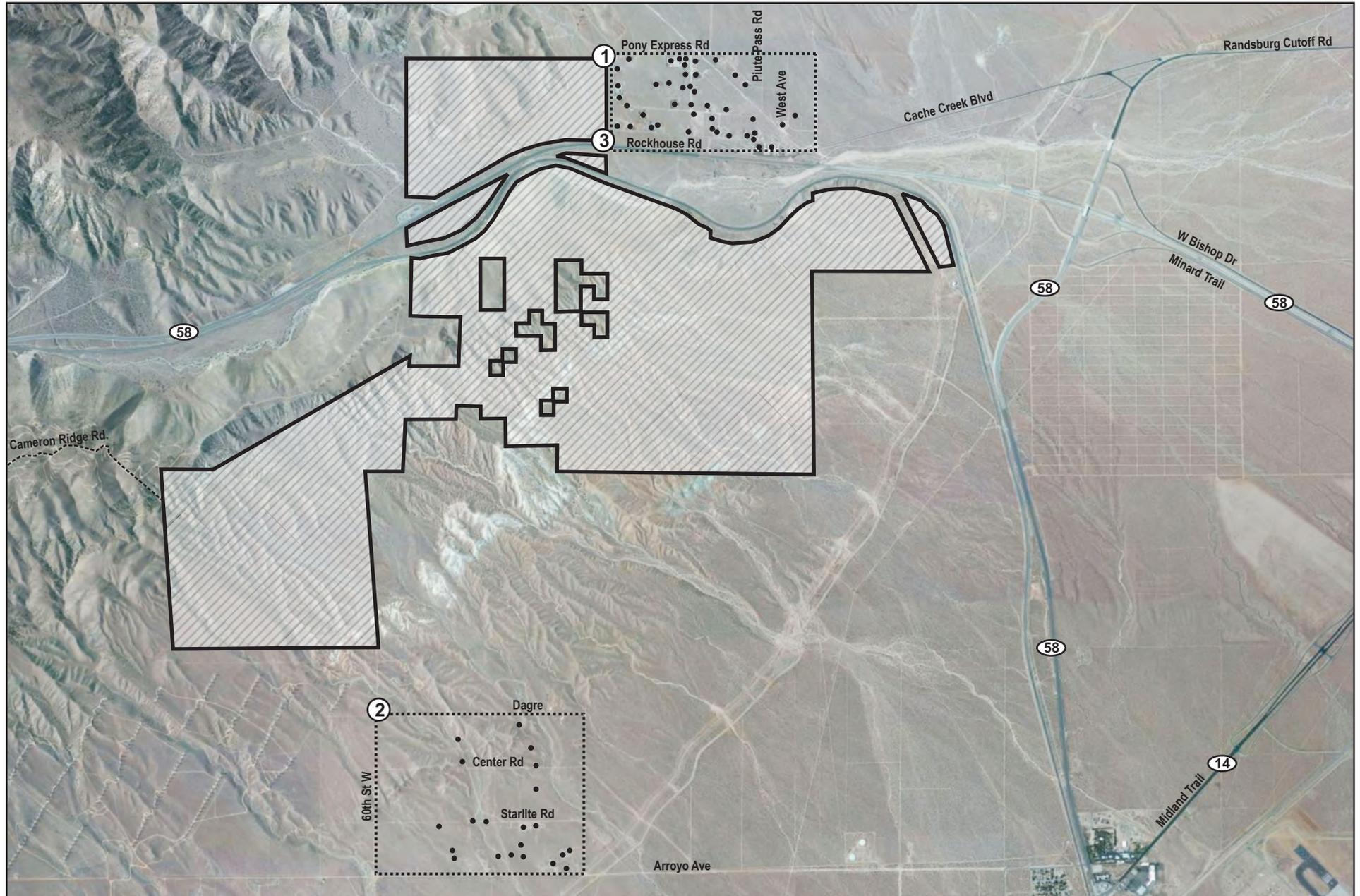
● Mineral Resources Sites (Refer to Table 3.8.1)

■ Project Boundary

**Figure 3.8-1**

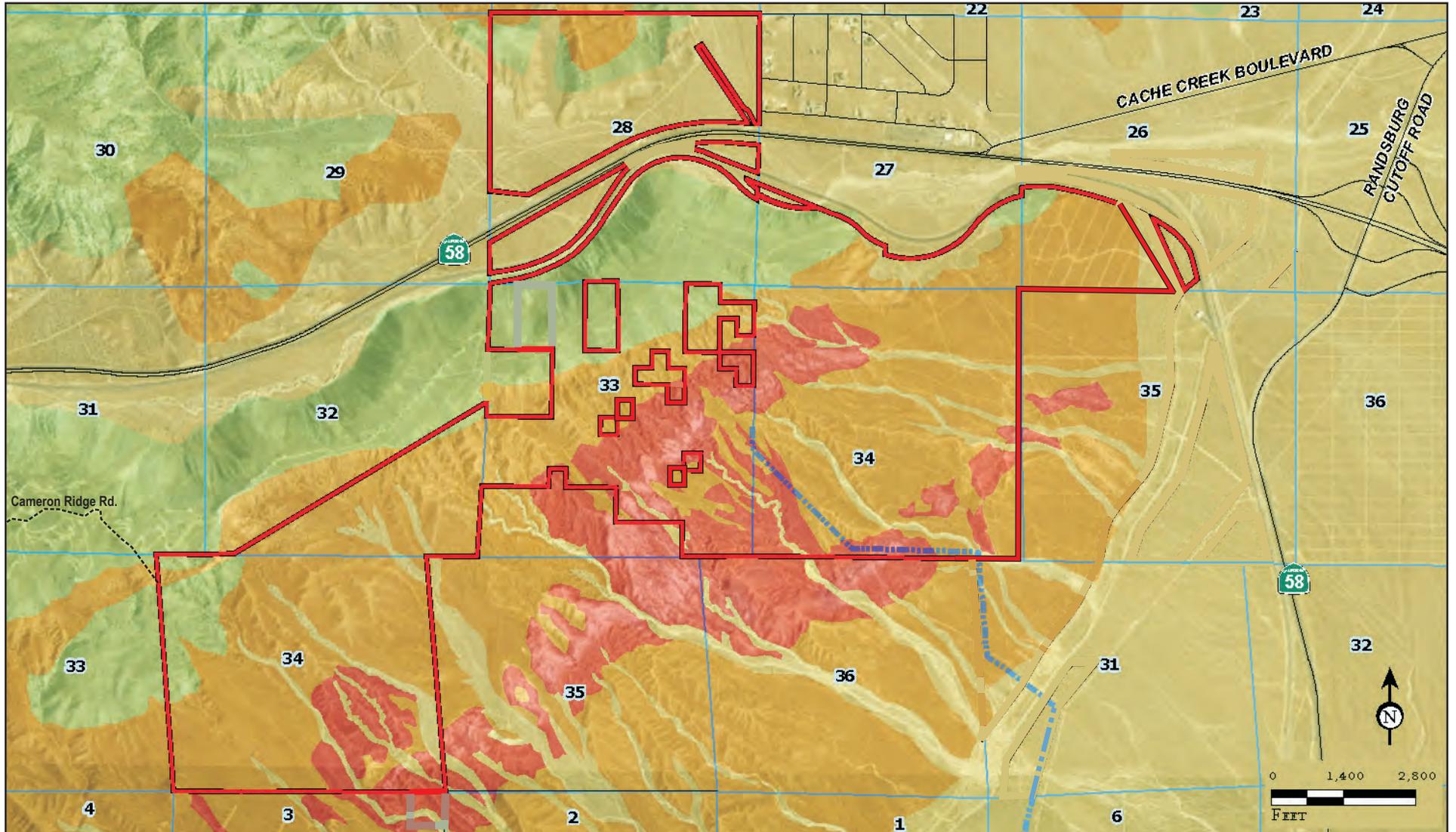
**Regional Mineral Resources Sites**

Source: MRDS, 2011a; MRDS, 2011b; MRDS, 2011c



- ① Noise Monitoring Location
- ▨ Project Boundary
- ⊙ Residential Receptor

**Figure 3.9-2**  
**Noise Monitoring Locations**  
**and Sensitive Receptors**



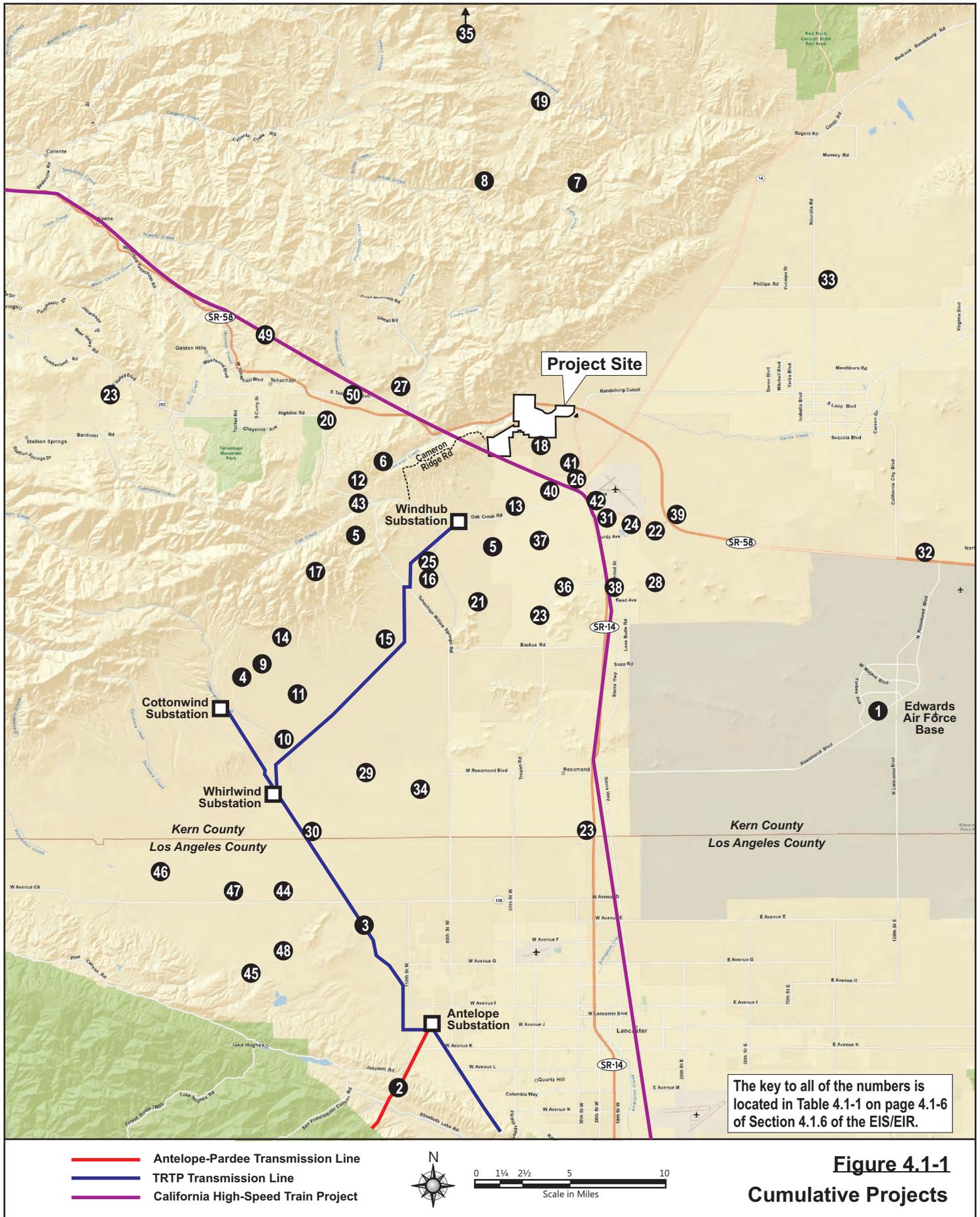
**Potential Fossil Yield Classification**

- Classification 1 (Very Low)
- Classification 2 (Low)
- Classification 3 (Moderate / Unknown)
- Classification 5a (Very High)

- Project Boundary
- TR Section Number
- Transmission Line

**Figure 4.10-1**  
**Potential Fossil Yield Classification Map**  
**Project Vicinity**

Source: LSA, 2010.



**Figure 4.1-1**  
**Cumulative Projects**



Existing View from KOP 1. View to the east from the Pacific Crest National Scenic Trail. This location is approximately 2 miles east of the trail access point at the Cameron Canyon Road overpass of SR 58. The rural residential area located at the eastern entrance to the Tehachapi Pass is visible near the center of the view. Portions of the project site visible from this location are managed by BLM.

**Figure 4.18-1**

**KOP 1 – View Looking East from Pacific Crest National Scenic Trail**

Source: CH2MHill, 2012.



View from KOP 7 with simulated Project. Alta East turbines would appear across most of the view and would be visibly taller than some of the existing turbines in the area.

**Figure 4.18-10**

**Visual Simulation of the Alta East Wind Project – KOP 7**

Source: CH2MHill, 2012.



View from KOP 1 with simulated Project. Alta East turbines would be visible across the middleground of the view, both north and south of SR 58.

**Figure 4.18-2**

**Visual Simulation of the Alta East Wind Project – KOP 1**

Source: CH2MHill, 2012.



Existing View from KOP 2. View to the northwest from location within rural residential area located at the eastern entrance to the Tehachapi Pass. The Pacific Crest National Scenic Trail passes through the mountains visible in this view's backdrop, approximately 3 miles away from the viewpoint. Portions of the project site visible from this location are managed by BLM.

**Figure 4.18-3**

**KOP 2 – View Looking Northwest From Within  
Rural-Residential County Lands North of SR 58 in Tehachapi Pass**

Source: CH2MHill, 2012.



View from KOP 2 with simulated Project. Alta East turbines would appear beyond Wildflower Canyon Road, just west of the rural residential area.

**Figure 4.18-4**

**Visual Simulation of the Alta East Wind Project – KOP 2**

Source: CH2MHill, 2012.



Existing View from KOP 3. View to the southeast from the rural residential area located near the eastern entrance to the Tehachapi Pass. This viewpoint is located along the southwestern edge of the residential area. Both SR 58 and the Southern Pacific railroad tracks are visible in the foreground and middleground. Portions of the project site visible from this location include private lands and lands managed by BLM.

**Figure 4.18-5**

**KOP 3 – View Looking Southeast From Within  
Rural-Residential County Lands North of SR 58 in Tehachapi Pass**

Source: CH2MHill, 2012.



View from KOP 3 with simulated Project. Alta East turbines would appear above the foothills south of SR 58.

**Figure 4.18-6**

**Visual Simulation of the Alta East Wind Project – KOP 3**

Source: CH2MHill, 2012.



Existing View from KOP 5. View to the west from Midland Trail at Sequoia Boulevard. This view approximates the view toward the northeastern portion of the project site from the intersection of SR 14 and SR 58; segments of each to the north and east of the intersection respectively are eligible for designation as state scenic highways. Portions of the project site visible from this location include private lands and lands managed by BLM.

**Figure 4.18-7**

**KOP 5 – View Looking Northwest from SR 14/SR 58 Interchange**

Source: CH2MHill, 2012.



View from KOP 5 with simulated Project. Alta East turbines would be visible across most of the view, along the base of the Tehachapi Mountain foothills.

**Figure 4.18-8**

**Visual Simulation of the Alta East Wind Project – KOP 5**

Source: CH2MHill, 2012.

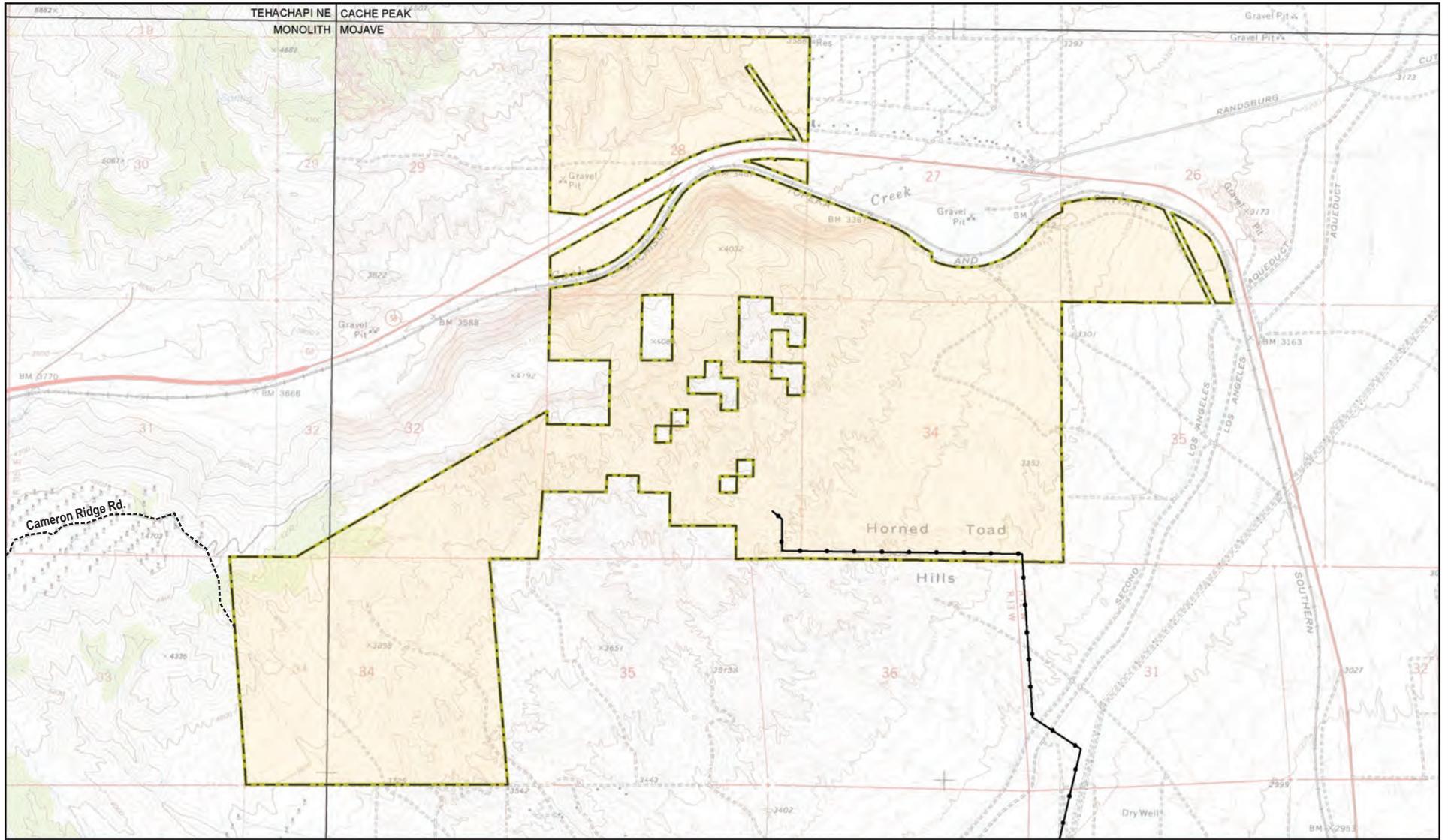


Existing View from KOP 7. View to the northwest from the Oak Creek Road overpass of the SR 58 business route. This elevated view approximates views from west Mojave. Existing wind turbines are visible in the foothills to the west. Portions of the project site visible from this location include private lands and lands managed by BLM.

**Figure 4.18-9**

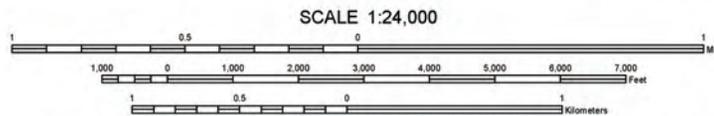
**KOP 7 – View Looking North from Oak Creek Road/SR 58 Overpass in Mojave**

Source: CH2MHill, 2012.



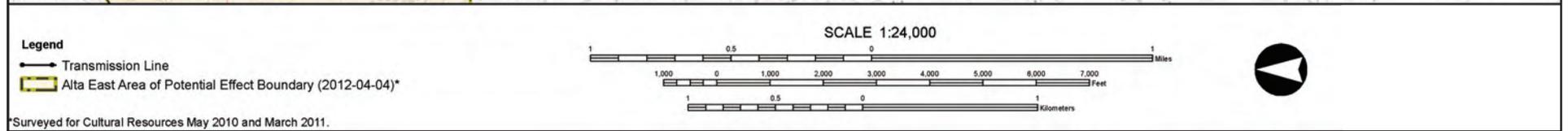
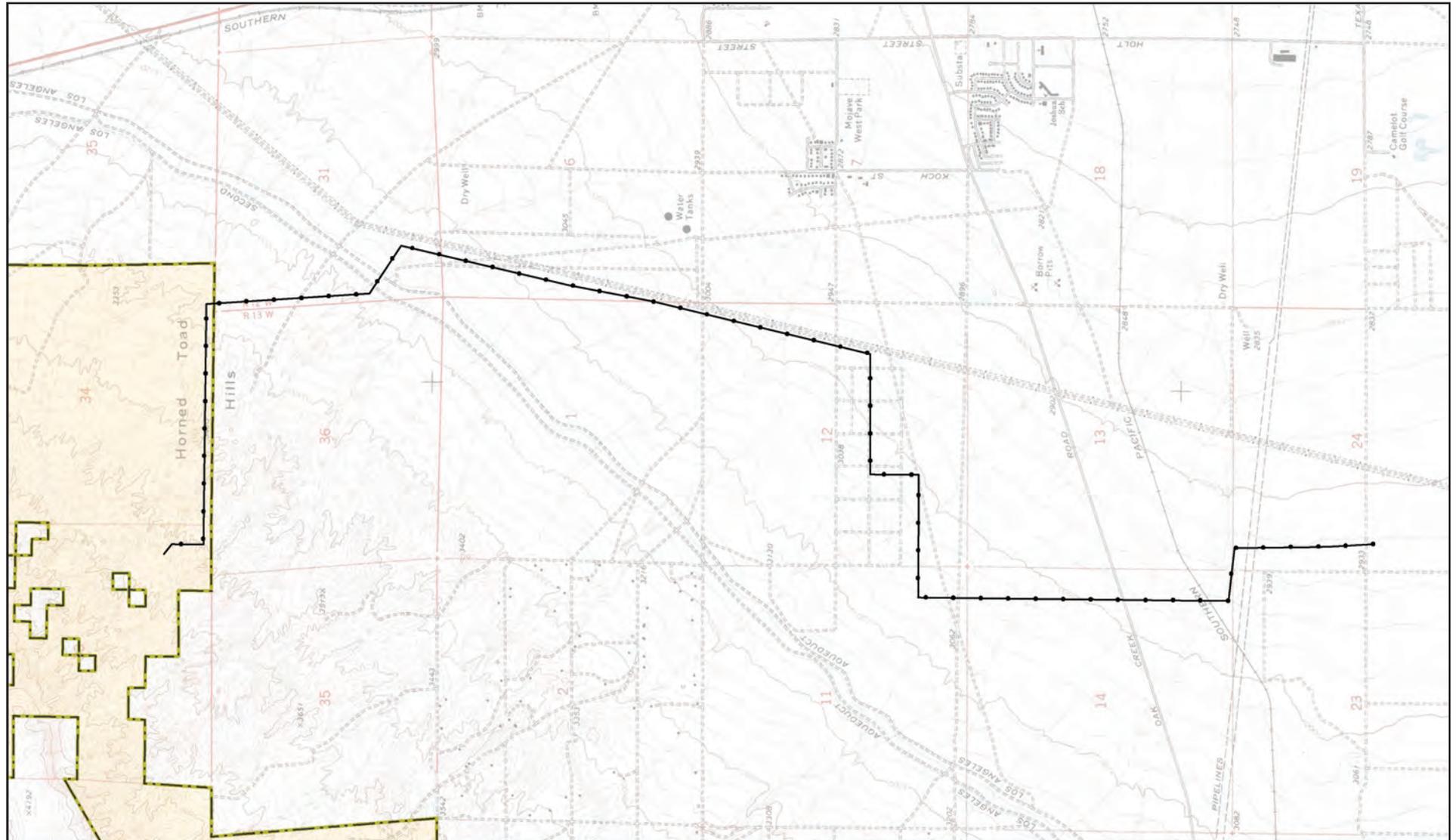
**Legend**  
 — Transmission Line  
 [Yellow Dashed Line] Alta East Area of Potential Effect Boundary (2012-04-04)\*

The Area of Potential Effect was fully surveyed.  
 \*Surveyed for Cultural Resources May 2010 and March 2011.



Source: AppliedEarthworks, 2012.

**Figure 4.4-1a**  
**Area of Potential Effect**  
**Project Area and Northern Extent of Transmission Line**



**Figure 4.4-1b**  
**Area of Potential Effect**  
**Southern Project Area and Full Extent of Transmission Line**

Source: AppliedEarthworks, 2012.