Appendix I

Preliminary Jurisdictional
Delineation Technical Reports

ARCADIS Design & Consultancy for natural and built assets

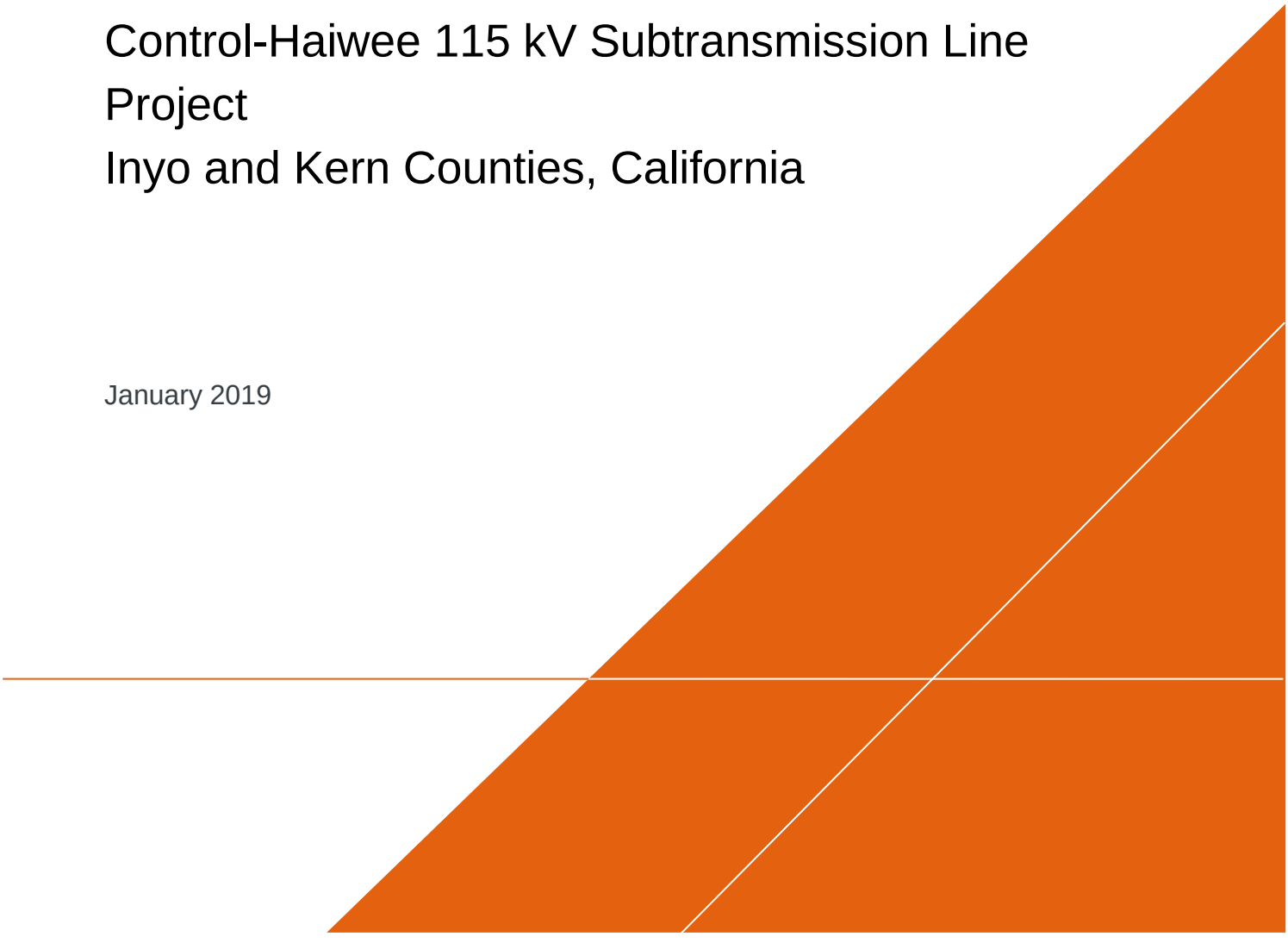
Southern California Edison Company

WETLANDS AND OTHER WATERS JURISDICTIONAL DELINEATION REPORT

Control-Haiwee 115 kV Subtransmission Line Project

Inyo and Kern Counties, California

January 2019



WETLANDS AND OTHER WATERS JD REPORT

Control-Haiwee 115 kV Subtransmission Line Project
Inyo and Kern Counties, CA

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ACRONYMS AND ABBREVIATIONS

ADSS	All-dielectric-self-supporting
amsl	above mean sea level
Arcadis	Arcadis U.S., Inc.
°C	degrees Celsius
CAISO	California Independent System Operator
CDFW	California Department of Fish and Wildlife
CH	Control Haiwee Alignment
cm	centimeter(s)
CFR	Code of Federal Regulations
CPUC	California Public Utilities Commission
CWA	Clean Water Act
°F	degrees Fahrenheit
FAC	Facultative species (wetland indicator status)
FACU	Facultative Upland species (wetland indicator status)
FACW	Facultative Wetland species (wetland indicator status)
GO 95	General Order 95, Rules for Overhead Electric Line Construction
GIS	Geographic Information System
GPS	Global Positioning System
ha	hectare(s)
HA	Hydrologic Area
HU	Hydrologic Unit
HUC	Hydrologic Unit Code
km	kilometer(s)
km^2	square kilometers
LiDAR	Light Detection and Ranging
LWS	lightweight steel
m	meter(s)
m^2	square meters
NERC	North American Electric Reliability Corporation

OBL	Obligate Wetland species (wetland indicator status)
OHWM	ordinary high water mark
OPGW	optical ground wire
PEA	Proponents Environmental Assessment
Project	Control Haiwee 115 kV Subtransmission Line Project
RPW	relatively permanent waters
RWQCB	Regional Water Quality Control Board
SCE	Southern California Edison Company
SWRCB	State Water Resources Control Board
TLRR	Transmission Line Rating and Remediation
TNW	traditional navigable waters
TSP	tubular steel pole
USACE	United States Army Corps of Engineers

1 INTRODUCTION

Arcadis U.S., Inc. (Arcadis) was retained by Southern California Edison Company (SCE) to conduct a jurisdictional delineation to determine the extent of Waters of the United States (U.S.), including wetlands, pursuant to the federal Clean Water Act (CWA) Section 404 regulated by the United States Army Corps of Engineers (USACE), and CWA 401 and the Porter-Cologne Water Quality Control Act (Porter-Cologne) regulated by the Regional Water Quality Control Board (RWQCB). The delineation also identified the extent of lakes, rivers, or streambeds and associated riparian vegetation pursuant to the California Fish and Game Code Section 1600-1617, regulated by the California Department of Fish and Wildlife (CDFW), along the Control-Haiwee (CH) 115 kV Subtransmission Line Project (Project) in Inyo and Kern counties, California.

The results of this delineation will be used to support the Project's design and implementation and to maximize avoidance and minimization of impacts on jurisdictional waters, including wetlands; to prepare a Proponents Environmental Assessment (PEA); to support additional environmental assessment and permitting as needed; and to obtain permits for construction, if required.

1.1 Control-Haiwee Project Background

The Control-Haiwee Project alignment is located between the Control Substation (located approximately 4 miles [6.4 kilometers] southwest of Bishop, California) and the Inyokern Substation (located approximately 1 mile [1.6 kilometers] east of Inyokern, California) (Attachment A). The Project alignment generally runs in a north-south alignment.

Specifically, the Control Haiwee 115 kV Subtransmission Line Project includes:

- Installation of double-circuit tubular steel poles (TSPs).
- Installation of double-circuit lightweight steel (LWS) poles.
- Installation of LWS poles to carry telecommunications cable at line crossings.
- Removal of existing subtransmission structures.
- Replacing approximately 756 miles (1,217 kilometers) of existing conductor with approximately 756 miles (1,217 kilometers) of new conductor.
- Installation of approximately 126 miles (203 kilometers) of overhead optical ground wire (OPGW) or All-dielectric-self-supporting (ADSS) fiber optic cable and install system protection and telecommunications-associated equipment at existing substations.
- Disconnecting existing conductor from existing positions at substations and connect new conductor to those existing positions.
- Installation of LWS poles or equivalents and approximately 2.5 miles (4 kilometers) of overhead and underground ADSS fiber optic cable for the Independence amplifier.

2 PROJECT LOCATION

The Project alignment is located within the following U.S. Geological Survey (USGS) 7.5 minute quadrangles: Inyokern, Pearsonville, Ninemile Canyon, Little Lake, Coso Junction, Haiwee Reservoirs, Vermillion Canyon, Bartlett, Lone Pine, Union Wash, Olancha, Manzanar, Independence, Blackrock, Tinemaha Reservoir, Fish Springs, Big Pine, Poleta Canyon, and Bishop.

3 ENVIRONMENTAL SETTING

The Project is located within the Mojave Desert and Owens Valley. Annual and diurnal temperatures vary significantly, with highs typically exceeding 100 degrees Fahrenheit (°F; 37.8° Celsius [°C]) in the summer to lows of near 30°F (-1.1°C) in the winter (National Weather Service 2017). Average rainfall varies from 0 inches to as much as 6 inches (15.2 centimeters) per year in the Mojave Desert and from 4 inches to 6 inches (10.2 – 15.2 centimeters) in the Owens Valley. The Project alignment crosses numerous drainages of varying size.

3.1 Topography

The southern portion of the Project lies within typical basin and range topography for the Mojave Desert. Elevations in the Project area range from a low of approximately 2,000 feet (610 meters) above mean sea level (amsl) to a high of approximately 5,500 feet (1,676 meters) amsl. Surface water on large alluvial fans, or bajadas, which occur adjacent to the mountain fronts, form ephemeral streams, which drain and deposit alluvial materials into valleys and, eventually, into dry lakes or the Mojave River. Soils within the survey area vary from extremely-gravelly to sandy loam. The remaining portion of the Project is within the Owens Valley. Elevation in the Owens Valley ranges from a low of approximately 3,500 feet (1,067 meters) amsl to a high of approximately 4,000 feet (1,220 meters) amsl near Bishop, in Inyo County. Surface water on large alluvial fans and bajadas, and in mountain streams of the eastern Sierra and White Mountains, drain into Owens Valley and eventually the Owens River and Owens Lake.

3.2 Hydrology

Surface waters are delineated by the United States Geological Service (USGS), which divides surface waters into successively smaller hydrologic units classified into four levels: regions, sub-regions, accounting units, and cataloging units. The hydrologic units are arranged within each other, from the smallest (cataloging units) to the largest (regions). Each hydrologic unit is identified by a unique hydrologic unit code (HUC) consisting of two to eight digits based on the four levels of classification in the hydrologic unit system. The first level of classification divides the Nation into 21 major geographic areas, or regions. The second level of classification divides the 21 regions into 221 sub-regions. A sub-region includes the area drained by a river system, a reach of a river and its tributaries in that reach, a closed basin(s), or a group of streams forming a coastal drainage area. The third level of classification subdivides many of the sub-regions into accounting units. The fourth level of classification is the cataloging unit, the smallest element in the hierarchy of hydrologic units. A cataloging unit is a geographic area representing part or all of a surface drainage basin, a combination of drainage basins, or a distinct hydrologic feature (sometimes referred to as watersheds). The Project alignment is within the Northern Mojave Accounting Unit (180902) and the Northern Mojave-Mono Lake Subregion (1809). The Project is located within the following HUs: Crowley Lake Hydrologic Unit (180901020), Owens Lake Hydrologic Unit (18090103), and Indian Wells Searles Valley Hydrologic Unit (18090205). Major surface waters along the Project alignment include the Owens River and Owens Lake, North Haiwee Reservoir and South Haiwee Reservoir, and Little Lake (Attachment B).

3.3 Water Quality

Beneficial Uses

The Project is located within the Lahontan RWQCB Lahontan Region Basin Plan (RWQCB 1995). The Basin Plan identifies beneficial uses and water quality objectives that are the water quality standards for the Lahontan Region. The Lahontan Region identifies 22 beneficial uses for the surface and groundwater resources within the region. Beneficial uses for drainages located within the Project area are shown below in Table 1; the primary beneficial uses as determined by prevalence are as follows:

- **AGR** Agricultural Supply. Beneficial uses of waters used for farming, horticulture, or ranching, including, but not limited to, irrigation, stock watering, and support of vegetation for range grazing.
- **COMM** Commercial and Sportfishing. Beneficial uses of waters used for commercial or recreational collection of fish or other organisms including, but not limited to, uses involving organisms intended for human consumption.
- **GWR** Ground Water Recharge. Beneficial uses of waters used for natural or artificial recharge of ground water for purposes of future extraction, maintenance of water quality, or halting of saltwater intrusion into freshwater aquifers.
- **MUN** Municipal and Domestic Supply. Beneficial uses of waters used for community, military, or individual water supply systems including, but not limited to, drinking water supply.
- **REC-1** Water Contact Recreation. Beneficial uses of waters used for recreational activities involving body contact with water where ingestion of water is reasonably possible. These uses include, but are not limited to, swimming, wading, water-skiing, skin and scuba diving, surfing, white water activities, fishing, and use of natural hot springs.
- **REC-2** Noncontact Water Recreation. Beneficial uses of waters used for recreational activities involving proximity to water, but not normally involving body contact with water where ingestion of water is reasonably possible. These uses include, but are not limited to, picnicking, sunbathing, hiking, beachcombing, camping, boating, tidepool and marine life study, hunting, sightseeing, and aesthetic enjoyment in conjunction with the above activities.
- **WARM** Warm Freshwater Habitat. Beneficial uses of waters that support warm water ecosystems including, but not limited to, preservation and enhancement of aquatic habitats, vegetation, fish, and wildlife, including invertebrates.
- **WILD** Wildlife Habitat. Beneficial uses of waters that support wildlife habitats including, but not limited to, the preservation and enhancement of vegetation and prey species used by wildlife, such as waterfowl.

Table 1. Beneficial Uses for Drainages Located within the Project Area

Feature	MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	COLD	WARM	SAL	WILD	BIOL	RARE	MGR	SPWN	WQE	FLD
Lahontan Region Basin Plan																						
Indian Wells Hydrologic Unit																						
Minor Surface Waters	X	X			X				X	X	X		X	X		X						
Owens Lake Hydrologic Unit																						
Little Lake									X	X	X		X	X		X					X	X
Ash Creek	X	X			X				X	X	X			X		X	X			X		
Cottonwood Creek	X	X			X			X	X	X	X			X		X				X		
George Creek	X	X			X				X	X	X			X		X				X		
Stevens Canal	X	X			X				X	X	X			X		X				X		
Owens Lake									X	X	X		X	X	X	X			X			
Owens Lake Wetlands	X	X			X				X	X			X	X		X					X	X
Minor Surface Waters	X	X		X	X				X	X	X		X	X		X		X		X		
Minor Wetlands	X	X			X	X			X	X	X		X	X		X					X	X

Feature	MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	COLD	WARM	SAL	WILD	BIOL	RARE	MGR	SPWN	WQE	FLD
=																						
Owens River	X					X		X	X	X	X			X		X		X	X	X		
Owens River Wetlands	X	X			X				X	X			X	X		X			X		X	X
Tinemaha Creek	X	X			X				X	X	X			X		X				X		
Big Pine Creek	X	X		X					X	X	X			X		X						
Baker Creek																						
Rawson Canal	X	X			X				X	X	X			X		X						
Bishop Creek	X	X			X				X	X	X			X		X						
Minor Surface Waters	X	X			X	X			X	X	X					X				X		
Minor Wetlands	X	X			X	X			X	X	X			X		X		X		X	X	X

MUN – Municipal and Domestic Supply
AGR – Agricultural Supply
PRO – Industrial Process Supply
IND – Industrial Service Supply
GWR – Ground Water Recharge
FRSH – Freshwater Replenishment
NAV – Navigation
POW – Hydropower Generation
REC1 – Water Contact Recreation
REC2 – Non-contact Water Recreation
COMM – Commercial and Sport Fishing
AQUA – Aquaculture
COLD – Cold Freshwater Habitat
WARM – Warm Freshwater Habitat
SAL – Inland Saline Water Habitat
WILD – Wildlife Habitat
BIOL – Preservation of Biological Habitats of Special Significance
RARE – Rare, Threatened or Endangered Species
MGR – Migration of Aquatic Organisms
SPWN – Spawning, Reproduction, and Development
WQE – Water Quality Enhancement
FLD – Flood Peak Attenuation/Flood Water Storage
X – Existing Beneficial Uses
I – Intermittent Uses
NA – Not Available

*Tributary Rule – All surface waters of the Lahontan Region are not named. Waters not mentioned by name are included in the categories Minor Surface Waters and Minor Wetlands within each Hydrologic Unit or Hydrologic Area. Beneficial uses are designated for these categories. However, additional beneficial uses may apply to waters with these categories under the Tributary Rule, which provides that water quality standards for specific water bodies apply upstream to tributaries for which no site-specific standards have been adopted.

3.3.1 Impaired Water Bodies, CWA Section 303(d)

Listing a waterbody as impaired in California is governed by the Water Quality Policy for developing California CWA, Section 303(d) Listing Policy. The State Water Resources Control Board (SWRCB) and RWQCBs assess water quality data for California's waters every two years to determine if they contain pollutants at levels that exceed protective water quality criteria and standards. This biennial assessment is required under Section 303(d) of the CWA.

Haiwee Reservoir is the only impaired water on the 303(d) list. The Reservoir was listed for copper in 2012 (SWRCB 2018).

3.4 Hydric Soils

Soils in the Project area are mapped in *Soil Survey of Benton-Owens Valley Area, California, Parts of Inyo and Mono Counties* (NRCS 1983) and in *Soil Survey for Mojave Desert Area, Northwest Part* (NRCS 1981). The Project area is characterized by several soil types. Soil maps and a detailed list of soil map units are provided in Attachment C. The hydric soil map units within the survey area are provided in Table 2.

Table 2. Hydric Soil Map Units

Soil Map Unit*	Description	Hydric*
11	Goodale loamy coarse sand, 5 to 15 percent slopes	4
12	Goodale-Cartago complex, 5 to 15 percent slopes	4
13	Goodale-Cartago complex, moist, 5 to 15 percent slopes	4
15	Lubkin-Tinemaha complex, 5 to 15 percent slopes	4
16	Lubkin-Tinemaha complex, moist, 5 to 15 percent slopes	
17	Timosea-Neuralia complex, warm, 2 to 9 percent slopes	4
57	Berent-Glenbrook-Nanamkin families association, 30 to 50 percent slopes	2
58	Cajon gravelly sand, 0 to 5 percent slopes	2
62	Cajon-Typic Torriorthents complex, 0 to 5 percent slopes	2
63	Cartago gravelly loamy coarse sand, 5 to 30 percent slopes	2
64	Cartago gravelly loamy coarse sand, moist, 5 to 30 percent slopes	4
65	Cartago gravelly loamy sand, 0 to 2 percent slopes	4
66	Cartago gravelly loamy sand, 2 to 5 percent slopes	4
68	Dehy loam, 0 to 2 percent slopes	1, 2
69	Dehy sandy loam, 0 to 2 percent slopes	2
70	Dehy sandy loam, loamy substratum, 0 to 2 percent slopes	4
74	Goodale loamy coarse sand, 5 to 15 percent slopes	4
75	Goodale-Cartago complex, 0 to 2 percent slopes	4
76	Goodale-Cartago complex, 2 to 5 percent slopes	4

Soil Map Unit*	Description	Hydric*
77	Goodale-Cartago complex, 5 to 15 percent slopes	4
78	Goodale-Cartago complex, moist, 2 to 5 percent slopes	4
79	Goodale-Cartago complex, moist, 5 to 15 percent slopes	4
89	Inyo sand, 9 to 15 percent slopes	4
97	Lubkin gravelly loamy sand, 5 to 15 percent slopes	4
98	Lubkin-Tinemaha complex, 2 to 5 percent slopes	4
99	Lubkin-Tinemaha complex, 5 to 15 percent slopes	4
100	Lubkin-Tinemaha complex, moist, 5 to 15 percent slopes	4
104	Manzanar silt loam, 0 to 2 percent slopes	3
105	Manzanar-Division association, 0 to 2 percent slopes	2
106	Manzanar-Westguard association, 0 to 2 percent slopes	2
107	Manzanar-Winnedumah association, 0 to 2 percent slopes	2
109	Mazourka-Eclipse complex, 0 to 2 percent slopes	3
111	Mazourka-Slickspots-Cajon complex, 0 to 2 percent slopes	3
113	Morey family-Winnedumah-Rindge family complex, 0 to 2 percent slopes	2
114	Muranch family, 0 to 2 percent slopes	1,2
118	Pokonahbe loamy fine sand, 0 to 2 percent slopes	3
119	Pokonahbe-Rindge family association, 0 to 5 percent slopes	4
120	Poleta-Mazourka-Eclipse complex, 0 to 2 percent slopes	3
121	Poleta-Mazourka-Slickspots complex, 0 to 2 percent slopes	3
122	Rienhakel sand, 0 to 2 percent slopes	2
123	Riverwash	4
125	Rovana gravelly loamy coarse sand, dry, 5 to 15 percent slopes	2
128	Shabbell-Winnedumah complex, 0 to 2 percent slopes	2, 3
129	Shondow loam, 0 to 2 percent slopes	2
130	Shondow loam, drained, 0 to 2 percent slopes	2
131	Shondow-Hessica association, 0 to 2 percent slopes	2
132	Spainhower cobbly sandy loam, dry, 5 to 15 percent slopes	4
133	Taboose-Lava flows complex, 5 to 30 percent slopes	4
135	Timosea-Neuralia complex, 2 to 9 percent slopes	4
136	Timosea-Neuralia complex, warm, 2 to 9 percent slopes	4
137	Tinemaha gravelly loamy coarse sand, 5 to 15 percent slopes	4
138	Torrifluvents, 0 to 2 percent slopes	3
139	Torrifluvents-Fluvaquentic Endoaquolls complex, 0 to 2 percent slopes	2, 4
140	Typic Psammaquents, 0 to 2 percent slopes	2, 3

Soil Map Unit*	Description	Hydric*
141	Ulymeyer-Rovana complex, slightly moist, 5 to 15 percent slopes	4
143	Westguard-Rienhakel association, 0 to 2 percent slopes	3
147	Winerton-Hessica complex, 0 to 2 percent slopes	3
148	Winnedumah silt loam, 0 to 2 percent slopes	2
149	Winnedumah fine sandy loam, 0 to 2 percent slopes	2
151	Xeric Haplargids, 5 to 30 percent slopes	2
153	Xerofluvents, 0 to 5 percent slopes	2, 4
156	Yermo stony-Yermo complex, 5 to 15 percent slopes	4
157	Yermo stony-Yermo complex, cool, 5 to 15 percent slopes	4
158	Water	

Notes:

1. All Histels except Folistels and Histosols except Folists; or
2. Map unit components in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, or Andic, Cumulic, Pachic, or Vitrandic subgroups that:
    a. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
    b. Show evidence that the soil meets the definition of a hydric soil; or
3. Map unit components that are frequently ponded for long duration or very long duration during the growing season that:
    a. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
    b. Show evidence that the soil meets the definition of a hydric soil; or
4. Map unit components that are frequently flooded for long duration or very long duration during the growing season that:
    a. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
    b. Show evidence that the soils meet the definition of a hydric soil.

*Soil map units were not confirmed in the field.

4 VEGETATION COMMUNITIES

Surveys performed along the CH Project alignment in 2017 and 2018 identified 41 vegetation alliances as described in the *California Manual of Vegetation*, Second Edition (Sawyer et al. 2009), including the updated California State Natural Communities List, also called the List of Vegetation Alliances and Associations (CDFW 2018). Where new vegetation alliances were encountered along the alignment that had not been included in the California State Natural Communities List, the alliance was labeled as Provisional, for further review, with documentation provided to the Vegetation Program Manager for the California Native Plant Society and CDFW.

Observed alliances include five woodland and forest natural communities: Fremont Cottonwood Forest, Black Willow Thickets, Red Willow Thickets, Shining Willow Groves, and Joshua Tree Woodland ; twenty-six shrubland natural communities: White Bursage Scrub, Cheesebush – Sweetbush Scrub, Big Sagebrush, Fourwing Saltbush Scrub, Shadscale Scrub, Quailbush Scrub, Parry's Saltbush Scrub, Allscale Scrub, Spinescale Scrub, Water Birch Thicket, Black Brush Scrub, Nevada Joint fir - Anderson's Boxthorn - Spiny Hop-sage Scrub, Rubber Rabbitbrush Scrub, Needleleaf Rabbitbrush Scrub, Winterfat Scrub, Creosote Bush Scrub, Creosote Bush - White Bursage Scrub, Spiny Menodora Scrub, Smoke-bush Desert Wash Scrub, Bitter Brush Scrub, Basket Bush- River Hawthorn – Desert Olive Patches, Sandbar Willow Thickets, Arroyo Willow Thickets, Greasewood Scrub, Bush Seepweed Scrub, and

Tamarisk Thickets; and ten herbaceous natural communities: Yerba Mansa - Nuttall's Sunflower - Nevada Goldenrod Alkaline Wet Meadows, Salt Grass Flats, Baltic and Mexican Rush Marshes, Common Reed Marshes, Hardstem Bulrush Marsh, American Bulrush Marsh, Alkali Sacaton Grassland, Wire Lettuce - Brittle Spineflower Lava Flows, Cattail Marshes, and Cheatgrass – Medusahead Grassland. Five additional types were also mapped, Active Agriculture, Developed, Disturbed Habitat, Open Water, and Ornamental/Landscaped Areas.

The National Wetland Plant List (Lichvar et al. 2016) designates wetland indicator species based on their occurrence in wetland habitats at least some of the time. For the purposes of this report, wetland indicator plants are identified as obligate species (OBL), facultative wetland species (FACW), and/or facultative species (FAC). Natural communities dominated (>50 percent relative cover) by wetland indicator plants are listed first in Section 4.1 below, followed by upland vegetation types (Section 4.2). All observed alliances and/or associations within the survey area are shown in Table 3 along with the wetland indicator status of the dominant species.

Table 3. Vegetation Alliances and Associations Mapped within the Survey Area

Alliance Name	Alliance Scientific Name	Association(s) – if present	Wetland Indicator Status for Dominant Species in Alliance[1]
Natural Communities Dominated by Species with Wetland Indicator Status of FAC, FACW, OBL			
Woodland Alliances			
Black Willow Thickets	*Salix gooddingii* Woodland Alliance	--	FACW
Red Willow Thickets	*Salix laevigata* Woodland Alliance	--	FACW
Shining Willow Groves	*Salix lucida* Woodland Alliance	--	FACW
Shrubland Alliances			
Quailbush Scrub[2]	*Atriplex lentiformis* Shrubland Alliance	-- *Atriplex lentiformis/Sporobolus airoides* Provisional Association	FAC
Parry's Saltbush Scrub	*Atriplex parryi* Shrubland Alliance	--	FAC
Spinescale Scrub	*Atriplex spinifera* Shrubland Alliance	--	FAC
Water Birch Thicket	*Betula occidentalis* Shrubland Alliance	--	FACW
Sandbar Willow Thickets	*Salix exigua* Shrubland Alliance	--	FACW
Arroyo Willow Thickets	*Salix lasiolepis* Shrubland Alliance	*Salix lasiolepis – Salix lucida* Association	FACW
Bush Seepweed Scrub	*Suaeda nigra* (*moquinii*) Shrubland Alliance	--	OBL
Herbaceous Alliances			

Alliance Name	Alliance Scientific Name	Association(s) – if present	Wetland Indicator Status for Dominant Species in Alliance[1]
Yerba Mansa – Nuttall's Sunflower – Nevada Goldenrod Alkaline Wet Meadows	*Anemopsis californica – Helianthus nuttallii – Solidago spectabilis* Herbaceous Alliance	*Anemopsis californica* Provisional Association	OBL
		Anemopsis californica – Juncus arcticus var. *mexicanus* Association	
Salt Grass Flats	*Distichlis spicata* Herbaceous Alliance	--	FAC
		Distichlis spicata – Sporobolus airoides Provisional Association	
Baltic and Mexican Rush Marshes	*Juncus arcticus* (var. *balticus, mexicanus*) Herbaceous Alliance	--	FACW
Natural Communities Dominated by Species with Wetland Indicator Status of FAC, FACW, OBL			
Herbaceous Alliances			
Common Reed Marshes	*Phragmites australis* Herbaceous Alliance	--	FACW
Hardstem Bulrush Marshes	*Schoenoplectus acutus* Herbaceous Alliance	--	OBL
American Bulrush Marshes	*Schoenoplectus americanus* Herbaceous Alliance	--	OBL
Alkali Sacaton Grassland	*Sporobolus airoides* Herbaceous Alliance	--	FAC
Cattail Marshes	*Typha* (*angustifolia, domingensis, latifolia*) Herbaceous Alliance	--	OBL
		Typha angustifolia – Distichlis spicata Association	
Natural Communities Dominated by Upland Species (FACU or no wetland indicator status)			
Woodland Alliances			
Fremont Cottonwood Forest	*Populus fremontii* Forest Alliance	--	none
Joshua Tree Woodland	*Yucca brevifolia* Shrubland Alliance	--	none
Shrubland Alliances			
White Bursage Scrub	*Ambrosia dumosa* Shrubland Alliance	--	none
		--	none

Alliance Name	Alliance Scientific Name	Association(s) – if present	Wetland Indicator Status for Dominant Species in Alliance[1]
Cheesebush – Sweetbush Scrub	*Ambrosia salsola* – *Bebbia juncea* Shrubland Alliance	*Ambrosia salsola* Association	
		Ambrosia salsola – *Atriplex confertifolia* Association	
		Ambrosia salsola/*Stephanomeria pauciflora* Provisional Association	
Big Sagebrush	*Artemisia tridentata* Shrubland Alliance	--	none
Fourwing Saltbush Scrub	*Atriplex canescens* Shrubland Alliance	--	none
Shadscale Scrub	*Atriplex confertifolia* Shrubland Alliance	--	none
		Atriplex confertifolia Sparse Playa Provisional Association	
Quailbush Scrub[2]	*Atriplex lentiformis* Shrubland Alliance	*Atriplex torreyi* Provisional Association	FACU
Natural Communities Dominated by Upland Species (FACU or no wetland indicator status)			
Shrubland Alliances			
Allscale Scrub	*Atriplex polycarpa* Shrubland Alliance	--	FACU
		Atriplex polycarpa – *Ambrosia salsola* Association	
		Atriplex polycarpa Sparse Playa Association	
Black Brush Scrub	*Coleogyne ramosissima* Shrubland Alliance	--	none
Nevada Joint-fir-Anderson's Boxthorn-Spiny Hopsage Scrub	*Ephedra nevadensis* - *Lycium andersonii* - *Grayia spinosa* Shrubland Alliance	--	none
		Ephedra nevadensis – *Ericameria teretifolia* Association	
Rubber Rabbitbrush Scrub	*Ericameria nauseosa* Shrubland Alliance	--	none
Needleleaf Rabbitbrush Scrub	*Ericameria teretifolia* Shrubland Alliance	--	none
Winterfat Scrubland	*Krascheninnikovia lanata* Shrubland Alliance	--	none
Creosote Bush Scrub		--	none

Alliance Name	Alliance Scientific Name	Association(s) – if present	Wetland Indicator Status for Dominant Species in Alliance[1]
	Larrea tridentata Shrubland Alliance	*Larrea tridentata - Atriplex confertifolia* Association	
Creosote Bush – White Bursage Scrub	*Larrea tridentata – Ambrosia dumosa* Shrubland Alliance	--	none
Spiny Menodora Scrub	*Menodora spinescens* Shrubland Alliance	--	none
Smokebush Desert Wash Scrub[3]	*Psorothamnus* (*fremontii, polydenius*) Shrubland Alliance	--	FACU
Bitter Brush Scrub	*Purshia tridentata* Shrubland Alliance	--	none
Basket Bush - River Hawthorn - Desert Olive Patches	*Rhus aromatica (trilobata) – Crataegus rivularis – Forestiera pubescens* Shrubland Alliance	*Forestiera pubescens* Association	FACU
Natural Communities Dominated by Upland Species (FACU or no wetland indicator status)			
Shrubland Alliances			
Greasewood Scrub	*Sarcobatus vermiculatus* Shrubland Alliance	--	FACU
		Sarcobatus vermiculatus Sparse Playa Provisional Association	
Tamarisk Thickets	*Tamarix* spp. Shrubland Semi-Natural Alliance	--	none
Herbaceous Alliances			
Wire Lettuce – Brittle Spineflower Lava Flows	*Stephanomeria pauciflora – Chorizanthe brevicornu* Provisional Herbaceous Alliance	--	none
Cheatgrass – Medusahead Grassland	*Bromus tectorum – Taeniatherum caput-medusae* Herbaceous Semi-Natural Alliance	*Bromus tectorum* Association	none

1 (Lichvar et al. 2016)
2 Quailbush (*Atriplex lentiformis*) has a wetland indicator status of FAC. Torrey's saltbush (*Atriplex torreyi*) is a dominant in a Quailbush Scrub association, the *Atriplex torreyi* Provisional Association, and has a wetland indicator status of FACU.

Below are brief descriptions of each alliance and any associations within a given alliance that were observed along the CH Project alignment. Species mentioned in these descriptions were observed in the Project area; these descriptions do not represent associated species for a given vegetation type state-wide.

4.1 Natural Communities Dominated by Plants with Wetland Indicator Status

Eighteen alliances and/or associations dominated by species with a FAC or FACW wetland indicator status were mapped along the CH Project alignment; these species are included in the National Wetland Plant List (Lichvar et al. 2016), based on their occurrence in wetland habitats at least some of the time. In the Owens Valley, most wetlands are seasonally or temporarily flooded. These vegetation types generally occur in emergent wetlands, flats, meadows and along stream channels – three woodland alliances, seven shrubland alliances and/or associations, and eight herbaceous alliances.

4.1.1 Woodland Alliances

4.1.1.1 Black Willow Thickets (*Salix gooddingii* Woodland Alliance)

Black Willow Thickets in the Project area are dominated by black willow, which often occur with Fremont cottonwood (*Populus fremontii*), red willow (*Salix laevigata*), dwarf ash (*Fraxinus anomala*), desert olive (*Forestiera pubescens*), and native herbaceous species such as yerba mansa (*Anemopsis californica*) and common three-square (*Schoenoplectus pungens*). Black Willow Thickets occur from 0 to 1,640 feet (0 to 500 meters) amsl and are associated with terraces along rivers, canyons, along rocky floodplains of small intermittent streams. Black willow has a wetland indicator status of FACW, a facultative wet species that occurs in wetlands but may occur in non-wetlands (Lichvar et al. 2016).

4.1.1.2 Red Willow Thickets (*Salix laevigata* Woodland Alliance)

Red Willow Thickets in the Project area are dominated by red willow, often mixed with Fremont cottonwood, shining willow (*Salix lucida*), sandbar willow (*Salix exigua*), and an understory of shrubs and herbaceous species. Red Willow Thickets are associated with ditches, floodplains, lake edges, low gradient depositions along streams and rivers below 5,600 feet (1,700 meters) amsl. Red Willow has a wetland indicator status of FACW, meaning that it usually occurs in wetlands (67-99% of the time), but is occasionally found in non-wetlands (Lichvar et al. 2016).

4.1.1.3 Shining Willow Groves (*Salix lucida* Woodland Alliance)

Shining Willow Thickets in the Project area are dominated by shining willow (*Salix lucida* subsp. *lasiandra, Salix lasiandra*), also called Pacific willow or yellow willow. Shining willow occurs in mixed riparian forests and woodlands along the alignment, especially with other willows, interior rose (*Rosa woodsii*), desert olive, and patches of yerba mansa and various graminoids. Shining willow occurs along streambanks and on sandbars, often in well-drained loams and river gravel below 8,500 feet (2,600 meters) amsl. Shining willow has a wetland indicator status of FACW, meaning that it usually occurs in wetlands (67-99% of the time), but is occasionally found in non-wetlands (Lichvar et al. 2016).

4.1.2 Shrubland Alliances

4.1.2.1 Quailbush Scrub (*Atriplex lentiformis* Shrubland Alliance)

Quailbush Scrub is dominated by quailbush, along with Torrey's saltbush (*Atriplex torreyi* var. *torreyi*), also called Nevada saltbush and formerly a subspecies of quailbush; rubber rabbitbrush (*Ericameria*

nauseosa); saltgrass; and alkali sacaton (*Sporobolus airoides*) in the Project area. One of the mapped associations of Quailbush Scrub in the Project area is the *Atriplex lentiformis/Sporobolus airoides* Provisional Association. Quailbush Scrub occurs in alkali sinks, flats, washes, and wetlands below 4,000 feet (1,200 meters) amsl, especially low, alkaline areas underlain by clay, and tends to be most abundant where the water table is close to the surface and soil salinity is high, such as along ditches and margins of rivers and streams. Quailbush has a wetland indicator status of FAC, a species that is equally likely to occur in wetlands as in non-wetlands (Lichvar et al. 2016).

The second mapped association of Quailbush Scrub, the *Atriplex torreyi* Provisional Association, was the most commonly observed association of Quailbush Scrub along the CH alignment. Unlike quailbush, Torrey's saltbush has a wetland indicator status of facultative upland (FACU), a facultative upland plant that typically occurs in non-wetland habitats but may occur in standing water or saturated soils (Lichvar et al. 2016).

4.1.2.2 Parry's Saltbush Scrub (*Atriplex parryi* Shrubland Alliance)

Parry's Saltbush Scrub is dominated by Parry's saltbush, a shrub found with other species of saltbush, greasewood (*Sarcobatus vermiculatus*), saltgrass (*Distichlis spicata*), and alkali sacaton in alkaline basins as well as margins of playas and alkaline springs mostly below 5,000 feet (1,525 meters). Soils tend to be well drained sand to silt loam. Parry's saltbush has a wetland indicator status of FAC, a species that is equally likely to occur in wetlands as in non-wetlands (Lichvar et al. 2016).

4.1.2.3 Spinescale Scrub (*Atriplex spinifera* Shrubland Alliance)

Spinescale Scrub in the Project area is dominated by spinescale, along with scattered individuals of allscale (*Atriplex polycarpa*), cheesebush (*Ambrosia salsola*), white bursage (*Ambrosia dumosa*), and species of *Ephedra*. Spinescale Scrub is typically associated with alluvial fans and old lake beds perched above current drainages. Soils are moderately sandy clay loams to fine silty clay that may be carbonate-rich. Spinescale Scrub occurs at elevations ranging from 165 to 2,600 feet (50 to 800 meters) amsl. Spinescale saltbush has a wetland indicator status of FAC, a species that is equally likely to occur in wetlands as in non-wetlands (Lichvar et al. 2016).

4.1.2.4 Water Birch Thicket (*Betula occidentalis* Shrubland Alliance)

Water Birch Thicket is dominated by water birch, along with other riparian trees and shrubs, including Fremont cottonwood, willows, interior rose, and streamside herbaceous species. Water Birch Thickets occur along the edges of mountain streams, springs, and seeps in rocky or gravelly soils, generally between 2,000 and 9,000 feet (610 to 2,750 meters) amsl. Water birch has a wetland indicator status of FACW, meaning that it usually occurs in wetlands (67-99% of the time), but is occasionally found in non-wetlands (Lichvar et al. 2016).

4.1.2.5 Sandbar Willow Thicket (*Salix exigua* Shrubland Alliance)

Sandbar Willow Thickets are dominated by sandbar willow, also called narrowleaf willow, along with include shining willow, rubber rabbitbrush, yerba mansa, saltgrass, slender sedge (*Carex praegracilis*), and Baltic rush (*Juncus balticus* [*arcticus* var. *balticus*]) in the Project area. Sandbar Willow Thickets occur in floodplains, along rivers and streams, and at springs, often in well-drained rocky substrates from sea level to 9,000 feet (2,700 meters) amsl. Sandbar willow has a wetland indicator status of FACW,

meaning that it usually occurs in wetlands (67-99% of the time), but is occasionally found in non-wetlands (Lichvar et al. 2016).

4.1.2.6 Arroyo Willow Thickets (*Salix lasiolepis* Shrubland Alliance)

Arroyo Willow Thickets are dominated by arroyo willow; in the one location where it was mapped on the CH alignment, it formed an association with shining willow (the *Salix lasiolepis - Salix lucida* Association); also present were Fremont cottonwood, sandbar willow, interior wild rose, and numerous herbaceous species. Shrublands dominated by arroyo willow occur primarily on the banks and benches of streams and rivers, as well as seeps along slopes and ephemeral drainages below 7,200 feet (2,200 meters) amsl if sufficient moisture is present at depth. Arroyo Willow has a wetland indicator status of FACW, meaning that it usually occurs in wetlands (67-99% of the time), but is occasionally found in non-wetlands (Lichvar et al. 2016).

4.1.2.7 Bush Seepweed Scrub (*Suaeda nigra* [*moquinii*] Shrubland Alliance)

Bush Seepweed Scrub is dominated by bush seepweed; it is also known as Mojave seablite and is currently classified as *Suaeda nigra* but was previously classified as *Suaeda moquinii*. Associated species along the CH alignment include greasewood, Parry's saltbush, and saltgrass. Soils tend to be deep and alkaline or saline. Bush Seepweed Scrub occurs in alkali sinks and along the edges of valley bottoms, alluvial fans and bajadas, primarily in alkaline substrates below 4,000 feet (1,200 meters). Bush seepweed has a wetland indicator status of OBL, meaning that it almost always occurs in wetlands (99% of the time; Lichvar et al. 2016).

4.1.3 Herbaceous Alliances

4.1.3.1 Yerba Mansa - Nuttall's Sunflower - Nevada Goldenrod Alkaline Wet Meadows (*Anemopsis californica* – *Helianthus nuttallii* – *Solidago spectabilis* Herbaceous Alliance)

Yerba Mansa – Nuttall's Sunflower – Nevada Goldenrod Alkaline Wet Meadows are dominated by three native herbaceous perennials, yerba mansa, Nuttall's sunflower, and Nevada goldenrod, also called showy goldenrod. This alliance was represented only by yerba mansa in the Project area as the *Anemopsis californica* Provisional Association or the *Anemopsis californica – Juncus arcticus* var. *mexicanus* Association. Large colonies of yerba mansa were observed along with CH alignment, often associated with Baltic rush, saltgrass, alkali sacaton, and alkali shrubby aster (*Leucosyris carnosa*), in moist soils in alkaline or saline meadows or near the margins of marshes, floodplains and streams; yerba mansa is also a frequent associated species in riparian and wetland vegetation dominated by other species below 6,000 feet (1,830 meters) amsl. Yerba mansa has a wetland indicator status of OBL, meaning that it almost always occurs in wetlands (99% of the time; Lichvar et al. 2016).

4.1.3.2 Salt Grass Flats (*Distichlis spicata* Herbaceous Alliance)

Salt Grass Flats are dominated by saltgrass, and in the Project area the most common associated species are alkali sacaton, Baltic rush, yerba mansa, alkali rye (*Elymus triticoides*), wild licorice (*Glycyrrhiza lepidota*), and boraxweed (*Nitrophila occidentalis*), with some patches of shrubs such as rubber rabbitbrush and greasewood. Saltgrass and alkali sacaton frequently grew together along the CH

alignment, and a *Distichlis spicata* – *Sporobolus airoides* Provisional Association was mapped to show this relationship. Soils are often poorly drained, often with a well-developed organic layer. Salt Grass Flats occur along the intermittently-flooded margins of streams, rivers, lakes, ponds, sloughs and adjacent meadows and upland areas that are seasonally dry between 0 and 5,000 feet (1,500 meters) amsl. Salt Grass has a wetland indicator status of FAC, a facultative species that is equally likely to occur in wetlands as in non-wetlands (Lichvar et al. 2016).

4.1.3.3 Baltic and Mexican Rush Marshes (*Juncus arcticus* (var. *balticus, mexicanus* Herbaceous Alliance)

Baltic and Mexican Rush Marshes are dominated by two closely related perennial species of rush (*Juncus*), Baltic rush (*Juncus balticus* [*Juncus arcticus* var. *balticus*]) and Mexican rush (*Juncus mexicanus* [*Juncus arcticus* var. *mexicanus*]). Baltic rush is most common rush species in this alliance in the Project area, along with associated species such as salt grass, alkali sacaton, and slender sedge. Baltic and Mexican Rush Marshes occur along streams, rivers, lakes, ponds, sloughs and adjacent meadows and upland areas that are seasonally dry between 0 and 7,200 feet (2,200 meters) amsl. Soils are often poorly drained, fine-textured, with a well-developed organic layer. Baltic and Mexican rush have a wetland indicator status of FACW, meaning that they usually occur in wetlands (67-99% of the time), but are occasionally found in non-wetlands (Lichvar et al. 2016).

4.1.3.4 Common Reed Marshes (*Phragmites australis* Herbaceous Alliance)

Common Reed Marshes are dominated by common reed, a large grass with cosmopolitan distribution; two native subspecies occur in California, subsp. *americanus* and subsp. *berlandieri*, along with the non-native subsp. *australis* (Baldwin et al. 2012). Common Reed Marshes also included hardstem bulrush (*Schoenoplectus acutus*), Baltic rush, and sandbar willow in the Project area. Common Reed Marshes occur between 150 and 500 feet (45 and 152 meters) amsl and soils tend to be fine-textured, poorly aerated, often with a well-developed organic layer. Common reed has a wetland indicator status of FACW, meaning that it usually occurs in wetlands (67-99% of the time), but is occasionally found in non-wetlands (Lichvar et al. 2016).

4.1.3.5 Hardstem Bulrush Marshes (*Schoenoplectus acutus* Herbaceous Alliance)

Hardstem Bulrush Marshes are dominated by hardstem bulrush, also called tule, which occurs with Baltic rush, other bulrush species, common reed, sandbar willow, saltgrass, and other wetland species in the Project area. Hardstem Bulrush Marshes occur in lakes, ponds, sloughs, ditches, and a range of brackish and freshwater marsh types between 0 and 8,200 feet (2,500 meters) amsl. Soils are poorly drained and poorly aerated, often with a well-developed organic layer. Hardstem bulrush has a wetland indicator status of OBL, meaning that it almost always occurs in wetlands (99% of the time; Lichvar et al. 2016).

4.1.3.6 American Bulrush Marsh (*Schoenoplectus americanus* Herbaceous Alliance)

American Bulrush Marsh is dominated by American bulrush with southern cattail (*Typha domingensis*), hardstem bulrush, saltgrass, Great Basin bulrush (*Amphiscirpus nevadensis*), Nebraska sedge (*Carex nebrascensis*), and other species. American Bulrush Marsh occurs at the edges of streams, ponds, and lakes and within sloughs, swamps, marshes (fresh and brackish), and man-made ditches below 7,200

feet (2,200 meters) amsl. Soils are mucky and poorly drained, often with a well-developed organic layer; this herbaceous species is an obligate wetland indicator (OBL; Lichvar et al. 2016), found in wetlands 99% of the time.

4.1.3.7 Alkali Sacaton Grassland (*Sporobolus airoides* Herbaceous Alliance)

Alkali Sacaton Grassland is dominated by alkali sacaton, which forms large meadows in seasonally flooded, somewhat alkaline areas with saltgrass, Baltic rush, alkali rye, boraxweed, wild licorice, and Coville's orache (*Stutzia covillei*) in the Project area, along with some patches of shrubs such as bush seepweed, rubber rabbitbrush, and greasewood. Alkali Sacaton Grassland occurs primarily on alluvial flats and in basins, and along river terraces and alluvial slopes between 0 and 7,000 feet (2,100 meters) amsl. Soils tend to be fine-textured and often alkaline. Alkali Sacaton has a wetland indicator status of FAC, a facultative species that is equally likely to occur in wetlands as in non-wetlands (Lichvar et al. 2016).

4.1.3.8 Cattail Marshes (*Typha* [*angustifolia*, *domingensis*, *latifolia*] Herbaceous Alliance)

Cattail Marshes are dominated by one or more species of cattail; in the Project area, the most common associates are slender sedge, hardstem bulrush, and saltgrass. In one location by Little Lake, a *Typha angustifolia – Distichlis spicata* Association was mapped at the drier edges of the lake. Cattail Marshes often occur in marshes, lagoons, freshwater to alkali wetlands, springs, ponds, irrigation ditches, and low-lying oxbows below 1,150 feet (350 meters) amsl. Soils are poorly drained, often with a well-developed organic layer. Cattail have a wetland indicator status of OBL, meaning that they almost always occur in wetlands (99% of the time; Lichvar et al. 2016).

4.2 Upland Vegetation Types

Twenty-four vegetation types are dominated by upland species. These vegetation types can be found on mountain slopes, bajadas, alluvial fans, and washes, as well as upland areas in valleys and basins.

4.2.1 Woodland Alliances

4.2.1.1 Fremont Cottonwood Forest (*Populus fremontii* Forest Alliance)

Fremont Cottonwood Forest is dominated by Fremont cottonwood, along with one or more species of willow (*Salix* species) mixed with interior rose, upland shrubs such as rubber rabbitbrush and a diverse mix of wetland and upland herbaceous species that vary with location. Fremont Cottonwood Forest occurs along floodplains, rivers, intermittent and perennial streams, as well as near springs and in valleys with a high-water table below 6,500 feet (2,000 meters) amsl. Fremont cottonwood has no wetland indicator status, despite its frequent presence along streams and rivers (Lichvar et al. 2016).

4.2.1.2 Joshua Tree Woodland (*Yucca brevifolia* Woodland Alliance)

Joshua Tree Woodland is dominated by Joshua tree in the Project area, along with black brush (*Coleogyne ramosissima*), winterfat (*Krascheninnikovia lanata*), species of *Ephedra*, cheesebush, white bursage, rayless goldenhead (*Acamptopappus sphaerocephalus*), and creosote bush (*Larrea tridentata*),

among others. Joshua Tree Woodland occurs on gentle alluvial fans, ridges, gentle to moderate slopes at elevations ranging from 2,460 to 8,600 feet (750 – 2,620 meters) amsl. Soils are coarse sands, very fine silts, gravel, or sandy loams. Many sites have bimodal soils with both coarse sands and fine silts. Joshua tree has no wetland indicator status (Lichvar et al. 2016).

4.2.2 Shrubland Alliances

4.2.2.1 White Bursage Scrub (*Ambrosia dumosa* Shrubland Alliance)

White Bursage Scrub in the Project area is dominated by white bursage, but other shrubs may be present, including Cooper's goldenbush (*Ericameria cooperi*), cheesebush, shadscale (*Atriplex confertifolia*), fourwing saltbush (*Atriplex canescens*), creosote bush, and Nevada joint-fir (*Ephedra nevadensis*), among others. White Bursage Scrub is typically associated with older washes and river terraces, bajadas, rocky hills, partially stabilized sand fields, and upland slopes. Soils are sandy, clay-rich, or calcareous at elevations below 5,580 feet (1,700 meters) amsl; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.2 Cheesebush - Sweetbush Scrub (*Ambrosia salsola – Bebbia juncea* Shrubland Alliance)

Cheesebush - Sweetbush Scrub is dominated by cheesebush and sweetbush. Sweetbush was *not* observed along the CH alignment and is not reported from the Owens Valley. In the Project area, cheesebush occurred with along desert washes and drainages, often associated with nearby upland woody species as well as species occurring in washes and drainages such as Mojave indigo bush (*Psorothamnus arborescens* var. *minutifolius),* bitter brush (*Purshia tridentata*), rubber rabbitbrush, and others. Mapped associations of Cheesebush - Sweetbush Scrub along the CH alignment include the *Ambrosia salsola* Association, the *Ambrosia salsola – Atriplex confertifolia* Association, and the *Ambrosia salsola – Stephanomeria pauciflora* Provisional Association. Cheesebush - Sweetbush Scrub occur in valleys, flats, arroyos, intermittent channels, and washes to 5,200 feet (1,600 meters) amsl. Soils tend to be sandy and gravelly alluvium or disturbed desert pavement. Cheesebush and sweetbush lack any wetland indicator status (Lichvar et. al 2016).

4.2.2.3 Big Sagebrush (*Artemisia tridentata* Shrubland Alliance)

Big Sagebrush shrublands are dominated by big sagebrush, (*Artemisia tridentata* subsp. *tridentata*), often occurring with shrubs with lower densities such as rubber rabbitbrush, Nevada joint-fir, and fourwing saltbush, depending on location. Big Sagebrush shrublands occur primarily on alluvial fans, bajadas, pediments, lower slopes, valley bottoms, seasonal and perennial stream channels, and dry washes between 990 to 9,900 feet (300 to 3,000 meters) amsl. Soils are deep, well drained sands and loams. Big sagebrush has no wetland indicator status (Lichvar et al. 2016).

4.2.2.4 Fourwing Saltbush Scrub (*Atriplex canescens* Shrubland Alliance)

Fourwing Saltbush Scrub is dominated by fourwing saltbush along with associated woody species such as shadscale, allscale saltbush (*Atriplex polycarpa*), cheesebush, and species of *Ephedra.* Shrublands dominated by fourwing saltbush occur primarily on the margins of playas or in deep sand deposits from below 250 to above 5,000 feet (75 to 1,500 meters) amsl. Soils tend to be sandy, or sandy clay loams

that are carbonate rich and alkaline, although it occurs in volcanic soils in some places. Fourwing saltbush lacks a wetland indicator status (Lichvar et al. 2016).

4.2.2.5 Shadscale Scrub (*Atriplex confertifolia* Shrubland Alliance)

Shadscale Scrub in the Project area is dominated by shadscale in association with cheesebush, allscale saltbush, Parry's saltbush, greasewood, Mojave indigo bush, cottonthorn (*Tetradymia axillaris*), and saltgrass. Some sparsely vegetated playas on the edges of the Owens River drainage supported a low density of shadscale individuals; these areas were mapped as the *Atriplex confertifolia* Sparse Playa Provisional Association. Shrublands dominated by shadscale occur on bajadas, flats, lower slopes, rocky hills, valleys, washes, and edges of playas between 1,500 and 8,200 feet (450 and 2,500 meters) amsl. Soils are variable and may be carbonate-rich, clay-rich, or have a high sand; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.6 Quailbush Scrub (*Atriplex lentiformis* Shrubland Alliance, *Atriplex torreyi* Association)

Quailbush Scrub is described above in Section 4.1.2.1. Unlike *Atriplex lentiformis*, the dominant of the *Atriplex torreyi* Provisional Association within the Quailbush Scrub alliance, Torrey's saltbush, is not a wetland indicator. Torrey's saltbush is widespread along the Owens River upper margins and has a wetland indicator status of facultative upland (FACU), a facultative upland plant that typically occurs in non-wetland habitats but may occur in standing water or saturated soils (Lichvar et al. 2016).

4.2.2.7 Allscale Scrub (*Atriplex polycarpa* Shrubland Alliance)

Allscale Scrub is dominated by allscale saltbush and may be dominated by just one shrub species, allscale saltbush, along with spring herbaceous species in openings between and under shrubs, or in other locations along the CH alignment, shrubs such as cheesebush, white bursage, Cooper's goldenbush, and fourwing saltbush may be present. Mapped associations of Allscale Scrub include the *Atriplex polycarpa – Ambrosia salsola* Provisional Association, the *Atriplex polycarpa – Atriplex confertifolia* Association, and the *Atriplex polycarpa* Sparse Playa Association. Shrublands dominated by allscale saltbush occur primarily on alluvial fans, rolling hills, terraces, and edges of large, low gradient washes between -250 and 5,000 feet (-75 and 1,500 meters) amsl. Soils tend to be sandy, or sandy clay loams that are carbonate rich and alkaline. Allscale saltbush has a wetland indicator status of facultative upland (FACU), a facultative upland plant that typically occurs in non-wetland habitats but may frequently occur in standing water or saturated soils (Lichvar et al. 2016).

4.2.2.8 Black Brush Scrub (*Coleogyne ramosissima* Shrubland Alliance)

Blackbrush Scrub is dominated by black brush, often called blackbush, with associated woody species in the Project area including big sagebrush, California buckwheat *(Eriogonum fasciculatumeters)*, Nevada joint-fir, spiny hopsage (*Grayia spinosa*), and Cooper's goldenbush. Shrublands dominated by black brush occur primarily on alluvial fans, slopes, upper bajadas, and rocky highlands between 4,000 and 6,000 feet (1,200 and 1,850 meters) amsl. Soils tend to be thin and gravelly or sandy, with abundant exposed rock and often can be found on calcareous soils as well; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.9 Nevada Joint-fir – Anderson's Boxthorn - Spiny Hopsage Scrub (*Ephedra nevadensis - Lycium andersonii - Grayia spinosa* Shrubland Alliance)

Nevada Joint fir - Anderson's Boxthorn - Spiny Hopsage Scrub is dominated by three shrubs -- Nevada joint-fir, Anderson's boxthorn, and spiny hopsage. Associated woody species in the Project area include big sagebrush, winterfat, Cooper's goldenbush, Mojave cottonthorn (*Tetradymia stenolepis*), Mojave indigo bush, and dotted dalea (*P. polydenius*). One association was mapped within this alliance along the CH alignment, the *Ephedra nevadensis – Ericameria teretifolia* Association. Shrublands dominated by Nevada joint-fir, Anderson's boxthorn, and/or spiny hop-sage occur primarily on dry open slopes and ridges, canyons, floodplains from 1,300 to 6,200 feet (400 to 1,900 meters) amsl. Soils tend to be well-drained, sandy to gravelly or rocky and can be alkaline or saline; these species lack a wetland indicator status (Lichvar et al. 2016).

4.2.2.10 Rubber Rabbitbrush Scrub (*Ericameria nauseosa* Shrubland Alliance)

Rubber Rabbitbrush Scrub is dominated by rubber rabbitbrush and occurs in recently disturbed locations and in the transition zone between riparian vegetation along the Owens River and upland scrub, often in moist mountainous areas up to 10,500 feet (3,200 meters) amsl. Associated woody species found in Rubber Rabbitbrush Scrub within the Project area include greasewood, Torrey's saltbush, saltgrass, and alkali sacaton. Soils are often well-drained sands and gravels but also include fine-textured alkaline substrates Rubber rabbitbrush has no wetland indicator status (Lichvar et al. 2016).

4.2.2.11 Needleleaf Rabbitbrush Scrub (*Ericameria teretifolia* Shrubland Alliance)

Needleleaf Rabbitbrush Scrub is dominated by needleleaf rabbitbrush, and almost always is comprised of mixed stands; associated species include Cooper's goldenbush, California buckwheat, species of *Ephedra*, white bursage, and a range of herbaceous forbs and grasses. Needleleaf Rabbitbrush Scrub occurs in washes and on rocky slopes and terraces between 2,000 and 7,000 feet (610 and 2,100 meters) above msl. Soils are variable but often coarse and well-drained; needleleaf rabbitbrush has no wetland indicator status (Lichvar et al. 2016).

4.2.2.12 Winterfat Scrubland (*Krascheninnikovia lanata* Shrubland Alliance)

Winterfat Scrubland is dominated by winterfat and occurs with cheesebush, fourwing saltbush, shadscale, and spiny hopsage in the Project area. Shrublands dominated by winterfat occur primarily in calcareous soils such as on alkaline flats around playas and along drainages from 300 to 8,900 feet (100 to 2,700 meters) amsl. Soils tend to be rocky to silty clay loams that are often calcareous; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.13 Creosote Bush Scrub (*Larrea tridentata* Shrubland Alliance)

Creosote Bush Scrub is dominated by creosote bush along with white bursage, allscale saltbush, cheesebush, and shadscale; the association between creosote bush and white bursage occurs so frequently an alliance with the two listed as co-dominants is described below. One association of Creosote Bush Scrub was mapped in addition to the Alliance, *Larrea tridentata – Atriplex confertifolia* Association. Shrublands dominated by creosote bush occur primarily on sandy flats, alluvial fans, bajadas, upland slopes, and intermittent washes below 4,000 feet (1,220 meters) amsl. Soils tend to be well drained since shrubs often occur on bajadas as well as in sandy substrates, although creosote bush

sometimes survives on desert pavement; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.14 Creosote Bush - White Bursage Scrub (*Larrea tridentata-Ambrosia dumosa* Shrubland Alliance)

Creosote Bush - White Bursage Scrub is co-dominated by creosote bush and white bursage, and associated woody species include shadscale, allscale saltbush, and Mojave indigo bush. Shrublands co-dominated by creosote and white bursage occur on bajadas, rocky slopes, and well-drained flats below 4,000 feet (1,220 meters) amsl. Soils tend to be well-drained, alluvial, colluvial, and sandy; these species have no wetland indicator status (Lichvar et al. 2016).

4.2.2.15 Spiny Menodora Scrub (*Menodora spinescens* Shrubland Alliance)

Spiny Menodora Scrub is dominated by spiny menodora, along with associated shrubs such as white bursage, boxthorn (*Lycium,* one or more species, depending on location), winterfat, and scattered annuals. Shrublands dominated by spiny menodora occur primarily in well-drained soils on slopes and ridges in the Mojave Desert and western Great Basin Desert, from 3,000 to 5,000 feet (900 to 1,500 meters) amsl. Soils tend to be well drained rocky and gravelly. Spiny menodora has no wetland indicator status (Lichvar et al. 2016).

4.2.2.16 Smokebush Desert Wash Scrub (*Psorothamnus* [*fremontii*, *polydenius*] Desert Wash Scrub Alliance)

Smokebush Desert Wash Scrub is dominated by species of *Psorothamnus*; smokebush (*Psorothamnus spinosus*) does not occur in the Owens Valley or along the CH alignment. In the Project area, three species of *Psorothamnus* have been reported: Mojave indigo bush*,* Fremont's indigo bush (*Psorothamnus fremontii*), and dotted dalea (*Psorothamnus polydenius*) but only Mojave indigo bush and dotted dalea were observed as dominants in this alliance. Mojave indigo bush and Fremont's indigo bush are closely related and the Jepson Manual notes that *Psorothamnus arborescens* "possibly best united with *Psorothamnus fremontii*" (Baldwin et al. 2012). Shrublands dominated by Mojave indigo bush and dotted dalea occur in dry washes and on alluvial fans, slopes, and sandy areas in the Project area; these species often are found in sites that experience occasional natural soil disturbance such as flooding or shifting substrates (sands) at elevations ranging from 1,280 to 5,280 feet (390 to 1,610 meters) amsl. Mojave indigo bush has a wetland indicator status of facultative upland (FACU), a facultative upland plant that typically occurs in non-wetland habitats but may frequently occur in standing water or saturated soils (Lichvar et al. 2016). Dotted dalea lacks a wetland indicator status (Lichvar et al. 2016).

4.2.2.17 Bitter Brush Scrub (*Purshia tridentata* Shrubland Alliance)

Bitter Brush Scrub is dominated by bitter brush, and associated woody shrubs include big sagebrush, Nevada joint-fir, California buckwheat, cheesebush, desert almond (*Prunus fasciculata*), and others, along with herbaceous species such as desert needlegrass (*Stipa speciosa*). Shrublands dominated by bitter brush occur mostly above 3,000 feet (915 meters) along water courses and on north-facing slopes and at higher elevations on mountain slopes. Soils tend to be sandy to gravelly and well-drained. Bitter brush has no wetland indicator status (Lichvar et al. 2016).

4.2.2.18 Basket Bush - River Hawthorn - Desert Olive Patches (*Rhus aromatica* [*trilobata*] - *Crataegus rivularis* - *Forestiera pubescens* Shrubland Alliance)

Basket Bush – River Hawthorn – Desert Olive Patches represent an alliance of shrubs that occur along riparian areas in the western United States. Desert olive is the only species representing this alliance along the CH alignment and forms the *Forestiera pubescens* Association. This association was observed in one stand along a stream with sandbar willow, shining willow, and an understory of saltgrass, yerba mansa, and Baltic rush. This alliance forms narrow bands along streams, washes, and river terraces, often on gentle slopes in alluvial soils between 2,300 and 8,000 feet (700 to 2,400 meters) amsl. Desert olive has a wetland indicator status of FACU (Lichvar et al. 2016), a facultative upland plant that typically occurs in non-wetland habitats but may frequently occur in standing water or saturated soils (Lichvar et al. 2016).

4.2.2.19 Greasewood Scrub (*Sarcobatus vermiculatus* Shrubland Alliance)

Greasewood Scrub is dominated by greasewood and associatedwoody species in the Project area including allscale saltbush, Mojave indigo bush, quailbush, Torrey's saltbush, bush seepweed, and saltgrass. Greasewood Scrub predominates in dry lake beds, margins of alkaline wetlands and "sinks", and other alkaline habitats plains from 330 to 6,560 feet (100 to 2,000 meters) amsl. Soils tend to be alkaline or saline, and greasewood scrub tended to occur in alkali sink areas with high water tables and a "salty" soil crust. Where greasewood was the dominant shrub in low densities on playas, a *Sarcobatus vermiculatus* Sparse Playa Provisional Association was mapped. Greasewood has a wetland indicator status of FACU, a facultative upland plant that typically occurs in non-wetland habitats but may occur in standing water or saturated soils (Lichvar et al. 2016).

4.2.2.20 Tamarisk Thickets (*Tamarix* spp. Shrubland Semi-Natural Alliance)

Saltcedar (*Tamarix ramosissima*) is dominant in the shrub canopy of Tamarisk Thickets in the Project area. Tamarisk Thickets generally occur along arroyo margins, lake margins, ditches, washes, rivers, and other watercourses at elevations ranging from 240 to 2,600 feet (75 to 800 meters) amsl. Saltcedar lacks a wetland indicator status.

4.2.3 Herbaceous Alliances

4.2.3.1 Wire Lettuce - Brittle Spineflower Lava Flows (*Stephanomeria pauciflora* - *Chorizanthe brevicornu* Provisional Herbaceous Alliance)

Wire Lettuce - Brittle Spineflower Lava Flows is dominated by seasonal cover of herbaceous annual and perennial species in volcanic outcrops. Wire lettuce and brittle spineflower predominate in small stands in the Project area, along with desert trumpet (*Eriogonum inflatum*) and other native herbaceous species, and non-native grasses such as cheatgrass (*Bromus tectorum*) and red brome (*Bromus madritensis* subsp. *rubens*). Wire Lettuce - Brittle Spineflower Lava Flows Provisional Herbaceous Alliance occurs primarily on volcanic rock outcrops in areas with low woody cover. No species in the Wire Lettuce - Brittle Spineflower Lava Flows have a wetland indicator status (Lichvar et al. 2016).

4.2.3.2 Cheatgrass - Medusahead Grassland (*Bromus tectorum - Taeniatherum caput-medusae* Herbaceous Semi-Natural Alliance)

Cheatgrass - Medusahead Grassland in the Project area is dominated by cheatgrass, along with a range of other native and non-native herbaceous species; no medusahead was observed. Grassland vegetation dominated by cheatgrass occurs throughout the Intermountain West, mostly below 7,200 feet (2,200 meters) amsl. Cheatgrass is an annual grass that often exhibits high cover in open, disturbed areas, Cheatgrass has no wetland indicator status (Lichvar et al. 2016).

5 REGULATORY BACKGROUND

5.1 Executive Order 11990 (May 24, 1977) Protection of Wetlands

This federal Executive Order establishes a national policy “to avoid the long- and short-term adverse impacts associated with the destruction or modification of wetlands and to avoid direct or indirect support of new construction in wetlands wherever there is a practical alternative.”

5.2 United States Army Corps of Engineers

Pursuant to Section 404 of the CWA, the USACE regulates the discharge of dredged and/or fill material into Waters of the United States (Waters of the U.S.). The term "Waters of the United States" is defined in 33 Code of Federal Regulations (CFR) Part 328, and includes (1) all navigable waters (including all waters subject to the ebb and flow of the tide), (2) all interstate waters and wetlands, (3) all impoundments of waters mentioned above, (4) all tributaries to waters mentioned above, (5) the territorial seas, and (6) all wetlands adjacent to waters mentioned above. Wetlands are defined in 33 CFR 328.3(b) as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support a prevalence of vegetation typically adapted for life in saturated soil conditions."

The USACE will assert jurisdiction over traditional navigable waters (TNW), all wetlands adjacent to TNW, non-navigable tributaries of TNW that are relatively permanent waters (RPW; tributaries that typically flow year-round or have continuous flow at least seasonally), wetlands that directly abut such tributaries, and non-RPWs if the water body is determined to have a significant nexus with a TNW (*Rapanos* 2007).

5.3 Regional Water Quality Control Board

Dredge and fill activities in Waters of the U.S. that trigger coverage under Section 404 of the CWA must also receive water quality certification under Section 401 of the CWA. The State Water Resources Control Board (SWRCB), through its RWQCBs, has jurisdiction over Section 401 water quality certification in California. Under CWA Section 401, the RWQCB must certify that a permit issued under CWA Section 404 meets the water quality objectives of the State of California.

The Porter-Cologne Water Quality Control Act (Porter-Cologne), Division 7 of the California Water Code, establishes the responsibilities and authorities of the nine RWQCBs and the SWRCB.

This act establishes that the “Waters of the State” shall be protected for use and enjoyment by the people of the State and that activities and factors that may affect the quality of the Waters of the State shall be regulated to attain the highest water quality. “Waters of the State” are defined as any surface water or

groundwater, including saline waters, within the boundaries of the state. Porter-Cologne also names the RWQCBs to formulate and adopt water quality control plans.

5.4 California Department of Fish and Wildlife

Pursuant to Section 1600-1617 of the Fish and Game Code, CDFW may require a Lake or Streambed Alteration Agreement prior to any activity that will substantially divert or obstruct the natural flow or substantially change the bed, channel, or bank of a river, stream, or lake, or use material from a streambed.

CDFW defines a stream (including creeks and rivers) as “a body of water that flows at least periodically or intermittently through a bed or channel having banks, and supports fish or other aquatic life. This includes watercourses having surface or subsurface flow that supports or has supported riparian vegetation.” CDFW's definition of a lake includes natural lakes or man-made reservoirs. In addition to the bed and banks of a stream, CDFW authority includes riparian or wetland vegetation associated with a stream.

6 METHODOLOGY

Prior to conducting field surveys, a detailed desktop review was conducted to identify the likelihood of jurisdictional waterway and wetland features along the CH Project alignment. The desktop review used aerial photography, United States Geological Survey (USGS) topographical maps, National Wetland Inventory maps, and other available resources. A jurisdictional delineation of Waters of the U.S., including wetlands and Waters of the State, was conducted for the Project area from March 13 to March 31, 2017. Field delineations were conducted by qualified delineators, consisting of five teams of two. For the purposes of the delineation, the Project area consisted of a survey buffer extending 75 feet (25 meters) from either side of the alignment centerline and a circle with a 100-foot (30-meter) radius around each existing tower.

The delineation teams walked the Project alignment and collected data on all state and federal jurisdictional features. At each feature, average channel width and depth were estimated in the field in accordance with the descriptions below and features such as substrate type and topography were recorded. Once the outer jurisdictional limits were identified in the field, the boundary of the feature was walked with a Trimble GeoXH Geoexplorer 2008 handheld GPS unit set to collect positional data. Photographs were taken to document site conditions. When field data collection was complete, jurisdictional boundaries were downloaded from the Trimble GPS unit and converted into a GIS GeoDatabase using ArcGIS software.

Paleochannels (features that may have once conveyed water, but lacking recent indications of water flow) and remnants of inactive stream channels that do not exhibit evidence of modern water flow were determined to be non-jurisdictional due to the lack of bed and bank, indicators of ordinary high water mark (OHWM), or active hydrologic connection.

A supplemental field delineation was conducted in May 2018 to confirm conditions in the field at specific features. Where feasible, additional data was obtained, and data sheets completed; these are provided in Attachment D.

6.1 Delineation of Wetland Waters of the U.S.

The wetland field delineation methodology followed the routine onsite determination method described in the Corps of Engineers Wetland Delineation Manual (USACE 1987), as well as regional approaches identified in the Final Regional Supplement to the Corps of Engineers Wetland Delineation Manual Arid West Region (Version 2.0) (USACE 2010). Some wetlands were inaccessible due to flooded conditions and hydric soils were assumed for features that were inundated during the time of the survey. Field data forms were completed and are included in Attachment D.

6.2 Delineation of Non-Wetland Waters of the U.S. (USACE and RWQCB Jurisdiction)

The boundaries of non-tidal, non-wetland water features were delineated at the OHWM as defined in 33 CFR 328.3 and in accordance with *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States, A Delineation Manual* (August 2008).

Digital field mapping of all identified potentially jurisdictional features was performed and attribute data was collected. Field data forms for determining the OHWM were not completed but OHWM were identified and recorded in the field. Features with an OHWM were considered jurisdictional non-wetland waters of the U.S. pursuant to the CWA, regulated by the USACE.

6.3 Delineation of CDFW Jurisdiction

The boundaries of waters subject to regulation by the CDFW were delineated using agency-issued guidance under the California Fish and Game Code, related CDFW materials, and standard practices by CDFW personnel and wetland delineation professionals. CDFW jurisdiction was delineated by measuring the outer boundaries of the greater of either the top of bank measurement (bankfull width) or the extent of associated riparian or wetland vegetation.

7 RESULTS

Wetlands

A total of 227.41 acres (9,905,980 square feet) of potentially jurisdictional wetlands were delineated within the Project area. Delineated wetlands met the three mandatory criteria (hydric soils, hydrology, and dominance of hydrophytic vegetation). If a dominance of hydrophytic vegetation and hydrology were present, hydric soils were assumed to be present. Details on the types of wetland vegetation observed within the alignment and corresponding alliances are provided in Section 4.1. Mapping for the jurisdictional wetlands is provided in Attachment E. Representative photos of the drainages within the Project area are presented in Attachment G. A summary of jurisdiction, area, and linear feet by individual feature is provided as Attachment H.

Non-Wetland Waters

Within the Project survey area, approximately 60,188 linear feet and approximately 18.6 acres (806,591 square feet) of potentially jurisdictional non-wetland waters subject to the jurisdiction of the USACE and RWQCB were identified. The drainages totaled 33.1 acres (1,440,396 square feet) of CDFW jurisdiction.

Mapping for the USACE and RWQCB jurisdictional drainages are provided in Attachment E, and mapping for CDFW jurisdiction is provided in Attachment F. Representative photos of the drainages within the Project area are presented in Attachment G. A summary of jurisdiction, area, and linear feet by individual feature is provided as Attachment H.

7.1 Clean Water Act Sections 404 and 401

Project wetlands appear to have a hydrologic connection and are adjacent to the Owens River or lakes in the Owens Valley. Therefore, the wetland waters in the Project area are considered jurisdictional under the USACE and RWQCB pursuant to the CWA Sections 404 and 401.

The drainages are unnamed ephemeral non-RPWs or intermittent to perennial RPWs, including the Owens River. The drainages within the study area exhibit channel morphology and OHWM indicators such as bank, scour, and sediment deposits with only riverine hydrological indicators.

The Project is located within the Indian Wells (China Lake and Rose Valley Hydrologic Areas/Sub-watersheds) and Owens Valley (Upper and Lower Owens Valley Hydrologic Areas/Sub-watersheds) Hydrologic Units within the Lahontan Hydrologic Region. The Indian Wells Hydrologic Unit and China Lake and Rose Valley Hydrologic Area/Sub watersheds of the Owens Valley Hydrologic Unit have the potential to be closed isolated valleys or have endorheic basins/dry lakes. Within these areas, the drainages including unnamed ephemeral drainages, flow from the surrounding mountains and alluvial fans to the valley floor into dry lakes. The USACE has made previous jurisdictional determinations on the China Lake Hydrologic Area (SPL-2004-00715-AOA). The determinations were made based on the dry lake being isolated intrastate waters, with no recreational navigation activities and the drainages are not (a)(3) waters as defined by 33 CFR 328.3, and do not meet criteria (a)(3)(iii), since surface waters are not used for industrial or other commercial purposes for interstate commerce. Therefore, based on this information, ephemeral non-relative permanent water is isolated, with no connection to a downstream TNW and thus are not jurisdictional. Therefore, Project ephemeral drainages within the China Lake Hydrologic Area and the Rose Valley Hydrologic Area may be considered isolated and not under the jurisdiction of USACE and RWQCB pursuant to the CWA (Attachment H). However, those features would still be subject to RWQCB jurisdiction pursuant to the Porter-Cologne Water Quality Control Act.

In the Upper Owens Valley, the tributary streams are captured by the trunk streams of the valley, the Owens River, which has its headwaters in the Long Valley. In the Lower Owens Valley approximately 5 miles downstream (south) from the Tinemaha Reservoir, the Los Angeles Department of Water and Power diverts nearly all flow in the Owens River into the Los Angeles Aqueduct. The upstream end of the Los Angeles Aqueduct is referred as the intake. Any water not diverted into the aqueduct continues to flow east of the aqueduct in the natural channel of the lower Owens River. South of the intake, additional tributary streams along the west side of the valley are diverted into the aqueduct. The combined flows of the river-aqueduct and the diverted tributary streams are routed south out of the valley through the Haiwee Reservoir. Any water remaining in the lower Owens River flows into Owens Lake and evaporates. USACE has not made any determinations on the Owens Valley, Tinemaha Reservoir, Haiwee Reservoir, Owens River, or Owens Lake. Therefore, drainages within the Owens Valley Hydrologic Unit may be

considered potential non-wetland waters under the jurisdiction of the USACE and RWQCB pursuant to the CWA. Table 4 summarizes the recent USACE determinations within the Project vicinity.

Table 4. USACE Jurisdictional Determinations within the Project Vicinity

Hydrologic Region /Watershed HU	Sub-watershed Basin	Flows to	JD	NJD	Comments
Lahontan/Indian Wells	China Lake	China Lake		X	USACE determination for Ivanpah lake-SPL-2004-00715-AOA.
Lahontan/Indian Wells	Rose Valley	Small Playas		X	Potential NJD Rose Valley closed basin.
Lahontan/Owens valley	Upper Owens valley	Owens River, Tinemaha Reservoir, Los Angeles Aqueduct	X		USACE has not made any determinations on the Owens valley, Tinemaha Reservoir, Haiwee Reservoir, Owens River, or Owens Lake.
Lahontan/Owens valley	Lower Owens valley	Owens River, Owens Lake, Haiwee Reservoir, Los Angeles Aqueduct	X		USACE has not made any determinations on the Owens valley, Tinemaha Reservoir, Haiwee Reservoir, Owens River, or Owens Lake.

7.2 California Fish and Game Code 1602

All drainages within the Project area with a channel defined by bed and bank are considered streambeds potentially subject to CDFW per Section 1602 of the California Fish and Game Code. The drainages within the study area are summarized in the tables in Attachment H. Mapping for CDFW jurisdiction is provided in Attachment F.

8 CONCLUSION

Within the Project alignment, there are approximately 227.1 acres (9,905,979 square feet) of wetlands and 18.6 acres (806,591 square feet) of other waters under CWA Section 404 and 401 jurisdiction. Approximately 33.1 acres (1,440,396 square feet) of features under CDFW 1602 jurisdiction were identified within the Project alignment. Table 5 summarizes the area of jurisdiction within the Project alignment. Implementation of the Project may require permits and authorizations from USACE, RWQCB or CDFW depending on the potential for temporary or permanent impacts on jurisdictional features.

Table 5. CWA 404 and 401 and CDFW 1602 Results

Jurisdiction	Acres	Square Feet	Linear Feet
CWA 404/401 Wetlands	227.1	9,905,979.8	
CWA 404/401 Other Waters	18.6	806,591	60,188
CDFW 1602	33.1	1,440,396	60,188

9 REFERENCES

Baldwin, B. G., D.H. Goldman, D.J. Keil, R. Patterson, and T.I. Rosatti (eds.). 2012. The Jepson Manual. Vascular Plants of California. 2nd ed. Univ. of Calif. Press, Berkeley, CA.

Blazevic, M., W.R. Laton, and J. Foster. (n.d.). Hydrogeological Investigation of a Closed Alluvial basin Lucerne Valley, San Bernardino County, California. California State University, Fullerton, Department of Geological Sciences.

California Department of Fish and Wildlife (CDFW). 2018. Vegetation Classification and Mapping Program – Natural Communities. https://www.wildlife.ca.gov/Data/VegCAMP/Natural-Communities#natural%20communities%20lists

California Native Plant Society (CNPS). 2018. A Manual of California Vegetation Online. http://vegetation.cnps.org/

California Regional Water Quality Control Board (CRWQCB). 1995. Water Quality Control Plan for the Lahontan Region North and South Basins, State Water Resources Control Board Lahontan Region.

California State Water Resources Control Board (SWRCB). 2018. 2014/2016 Integrated Report (Clean Water Act Section 303(d) List/305(b) Report. https://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2014_2016.shtml. Accessed December 2018.

Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. The National Wetland Plant List: 2016 wetland ratings. Phytoneuron 2016-30: 1-17. Published 28 April 2016. ISSN 2153 733X.

Natural Resources Conservation Service (NRCS). 2017. Web Soil Survey. https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx. Accessed May 2017.

NRCS. 2014. National List of Hydric Soils. http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/. Accessed May 2017.

NRCS. 1983. Soil Survey of Benton-Owens Valley Area, California, Parts of Inyo and Mono Counties. Available at https://www.nrcs.usda.gov/Internet/FSE_MANUSCRIPTS/california/CA802/0/Benton_OwensValley_CA.pdf

NRCS. 1981. Soil Survey for Mojave Desert Area, Northwest Part. Available at

National Weather Service (NWS). 2017. National Oceanic and Atmospheric Administration, United States Department of Commerce. https://www.weather.gov/

Sawyer, Keeler-Wolf, and Evens. 2009. A Manual of California Vegetation, Second Edition. California Native Plant Society, Sacramento, CA.

United States Department of Agriculture, Natural Resource Conservation Service. 1986. Soil Survey of San Bernardino County California, Mojave River Area, California.

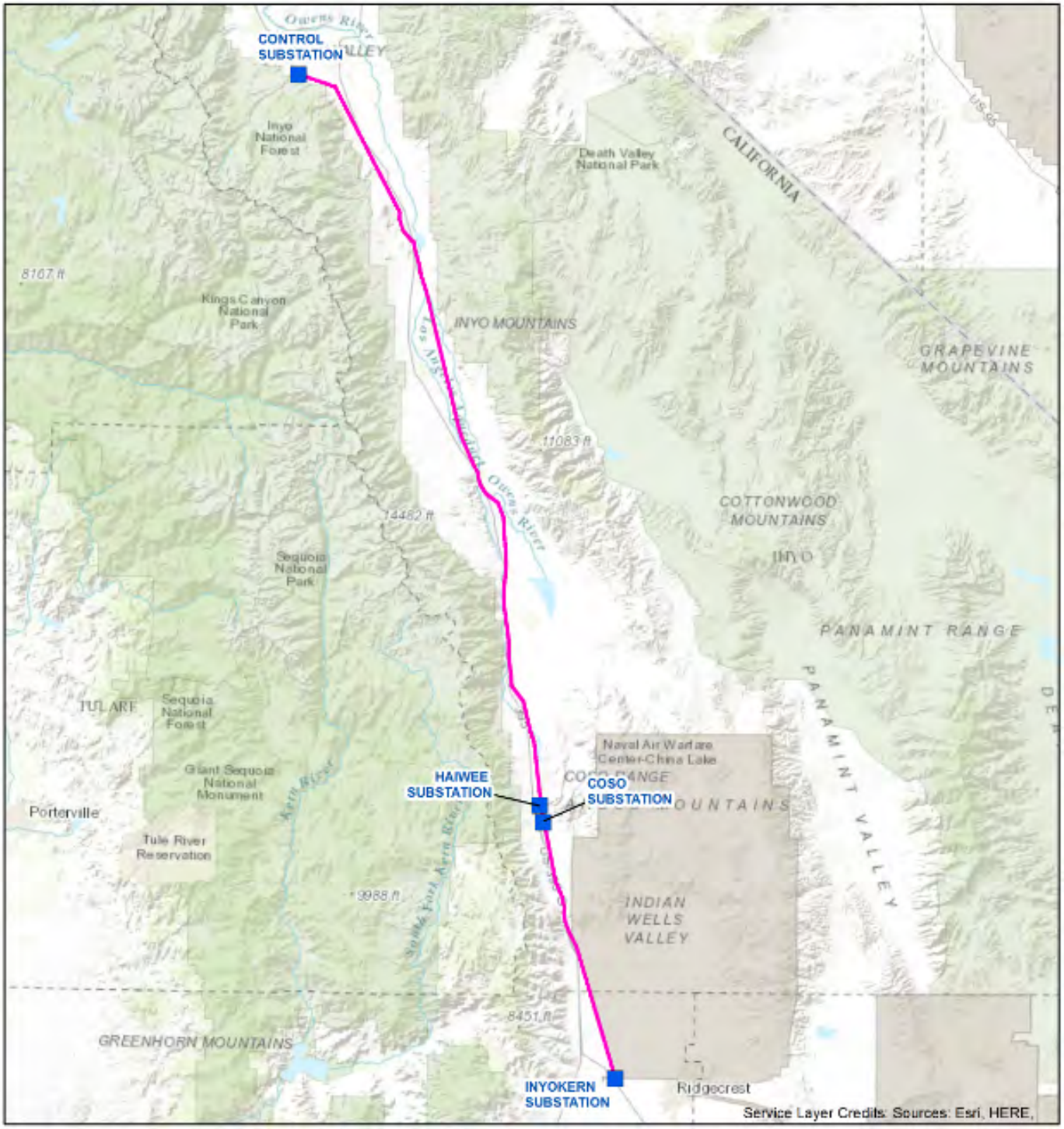
U.S. Army Corps of Engineers (USACE). 1987. Corps of Engineers Wetlands Delineation Manual. Wetlands Research Program Technical Report Y-87-1. Department of the Army, Vicksburg, VA. U.S. Army Waterways Experiment Station. Hickman, J.C. [ed.].

USACE. 2008. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0). J.S. Wakeley, R.W. Lichvar, and C.V. Noble [eds.]. ERDC/EL TR-06016. Vicksburg, MS. U.S. Army Engineer Research and Development Center.

USACE. 2010. Field Guide to the identification of the Ordinary High Water Mark (OHWM) In the Arid West Region of the U.S. A Delineation Manual. R.W. Lichvar and S.M. McColley.ERDC/CRREL. TR-08-12. Cole Regions Research and Engineering Laboratory. Hanover, N.H. U.S. Army Engineer Research and Development Center.

ATTACHMENT A

Project Location Map



Legend

- IC Project Alignment
- County

ATTACHMENT A

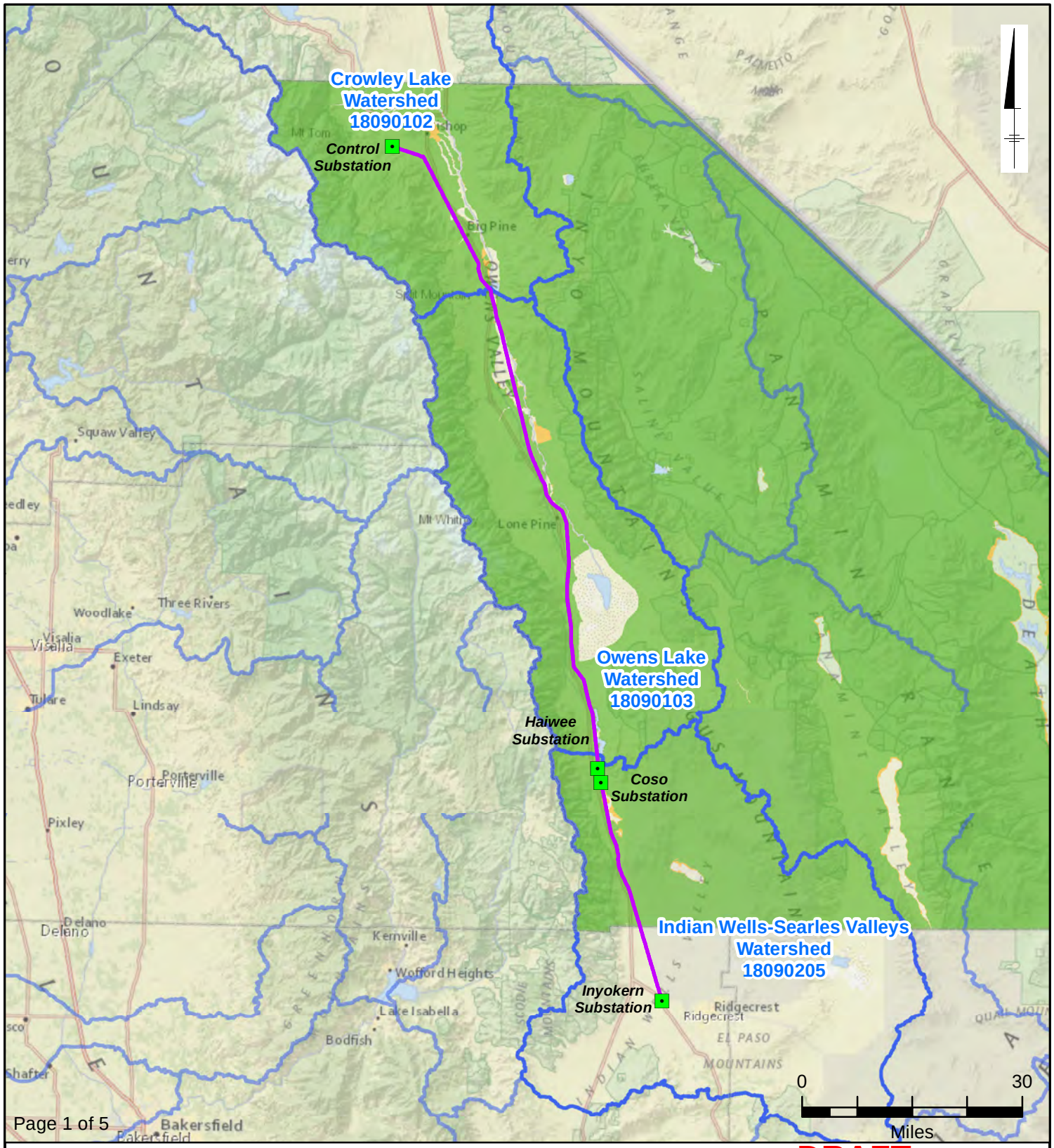
PROJECT LOCATION MAP

ARCADIS

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

ATTACHMENT B

Hydrology Map



Legend

- Control-Haiwee Project Alignment
- County
- Watersheds - HUC08
- Substation

Flood Zone Subtype

- 0.2% Annual Chance Flood Hazard
- Area of Minimal Flood Hazard

NOTES:
(1) Watersheds source:
https://services.arcgis.com/jDGuO8tYggdCCnUJ/arcgis/rest/services/CA_Watersheds_-_HUC08/FeatureServer
(2) National Flood Hazard Layer (NFHL) source:
https://https://www.floodmaps.fema.gov/NFHL/status.shtml

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TLRR CH Project Alignment

CONTROL HAIWEE WATERSHEDS AND FLOODPLAINS

ARCADIS | SOUTHERN CALIFORNIA EDISON

FIGURE 4.9-1

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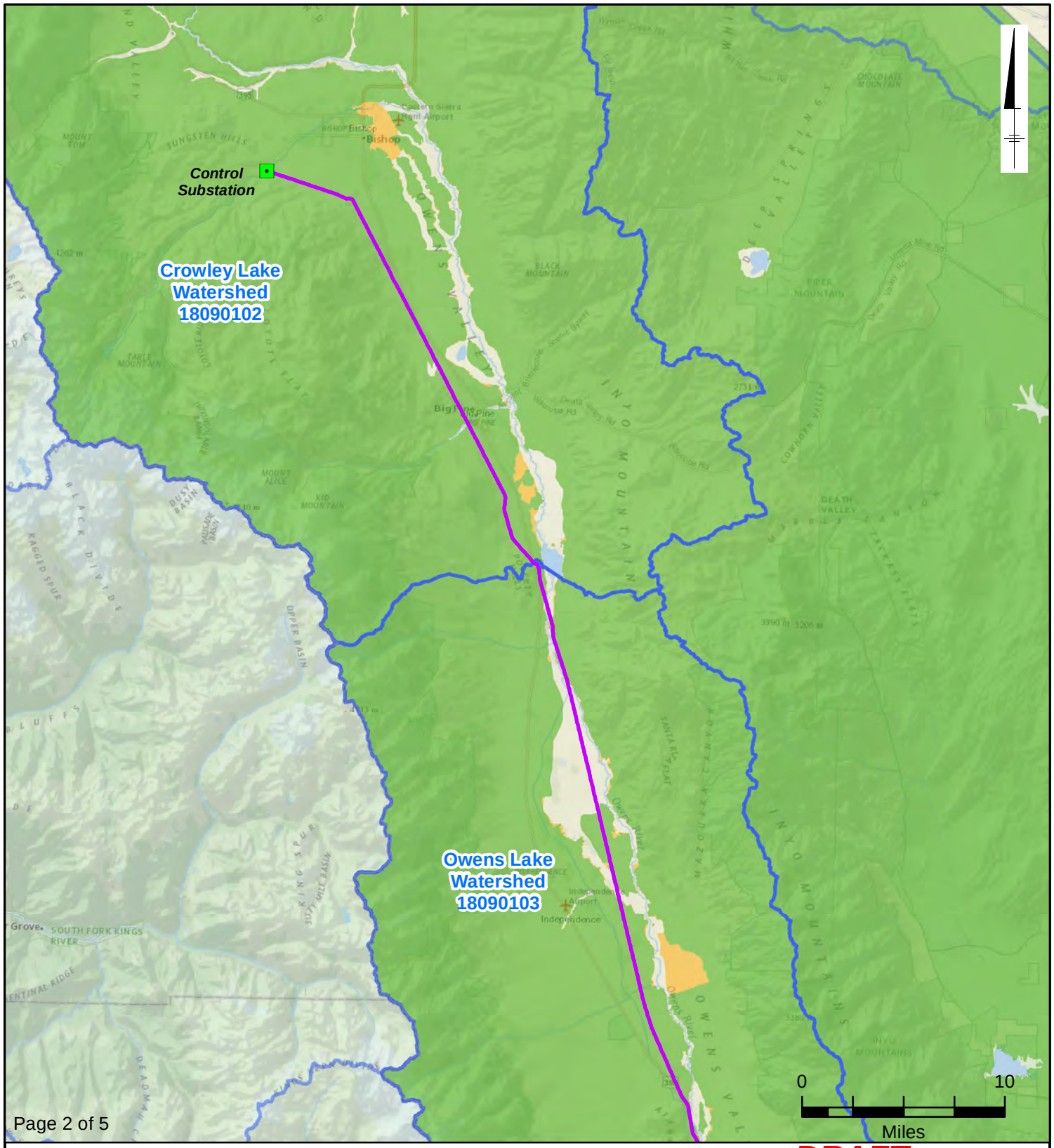

Legend

- Control-Haiwee Project Alignment
- County
- Watersheds - HUC08
- Substation

Flood Zone Subtype

- 0.2% Annual Chance Flood Hazard
- Area of Minimal Flood Hazard

NOTES:
(1) Watersheds source:
https://services.arcgis.com/jDGuO8tYggdCCnUJ/arcgis/rest/services/CA_Watersheds_-_HUC08/FeatureServer
(2) National Flood Hazard Layer (NFHL) source:
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TLRR CH Project Alignment

CONTROL HAIWEE WATERSHEDS AND FLOODPLAINS

ARCADIS | SOUTHERN CALIFORNIA EDISON

FIGURE 4.9-1

City: Div/Group: Created By: Last Saved By: rjmiller
Project (Project #)
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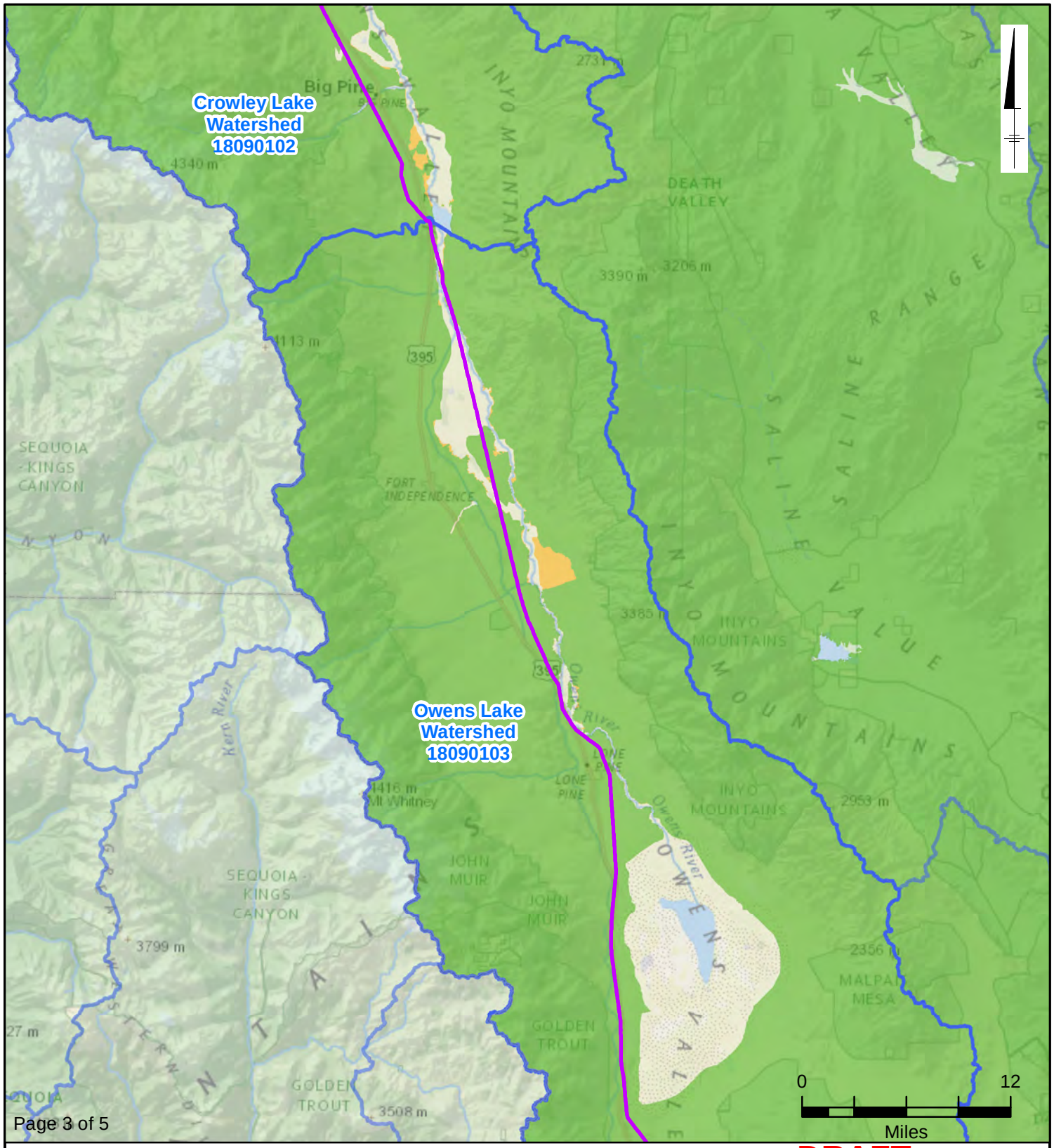

Page 3 of 5

Legend

- Control-Haiwee Project Alignment
- County
- Watersheds - HUC08
- Substation

Flood Zone Subtype

- 0.2% Annual Chance Flood Hazard
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NOTES:
(1) Watersheds source:
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TLRR CH
Project Alignment

CONTROL HAIWEE
WATERSHEDS AND FLOODPLAINS

ARCADIS

SOUTHERN CALIFORNIA EDISON

FIGURE
4.9-1

City: Div/Group: Created By: Last Saved By: rjmiller
Project (Project #)
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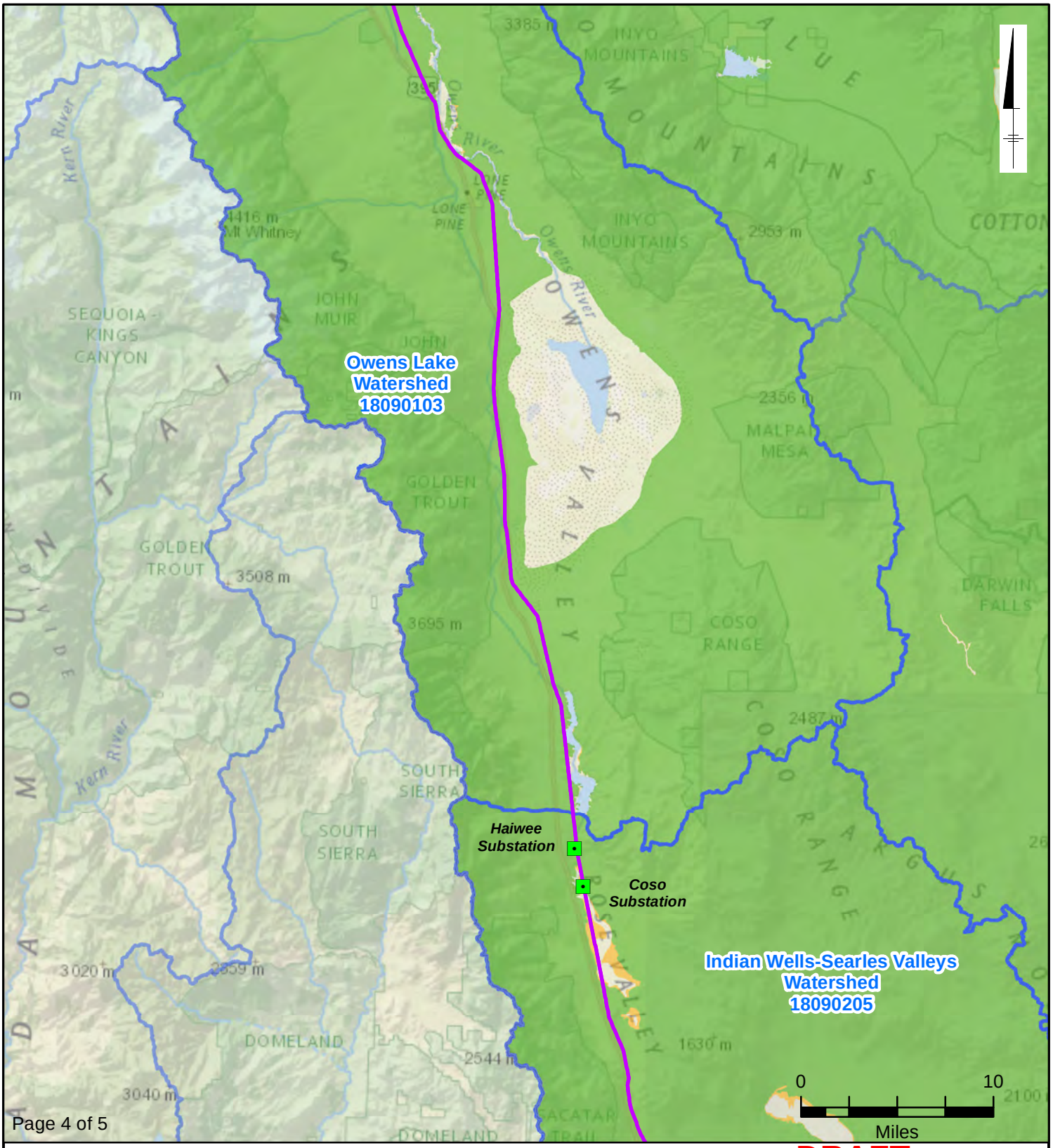

Legend

- Control-Haiwee Project Alignment
- County
- Watersheds - HUC08
- Substation

Flood Zone Subtype

- 0.2% Annual Chance Flood Hazard
- Area of Minimal Flood Hazard

NOTES:
(1) Watersheds source:
https://services.arcgis.com/jDGuO8tYggdCCnUJ/arcgis/rest/services/CA_Watersheds_-_HUC08/FeatureServer
(2) National Flood Hazard Layer (NFHL) source:
https://https://www.floodmaps.fema.gov/NFHL/status.shtml

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TLRR CH
Project Alignment

CONTROL HAIWEE
WATERSHEDS AND FLOODPLAINS

ARCADIS

SOUTHERN CALIFORNIA EDISON

FIGURE
4.9-1

City: Div/Group: Created By: Last Saved By: rjmiller
Project (Project #)
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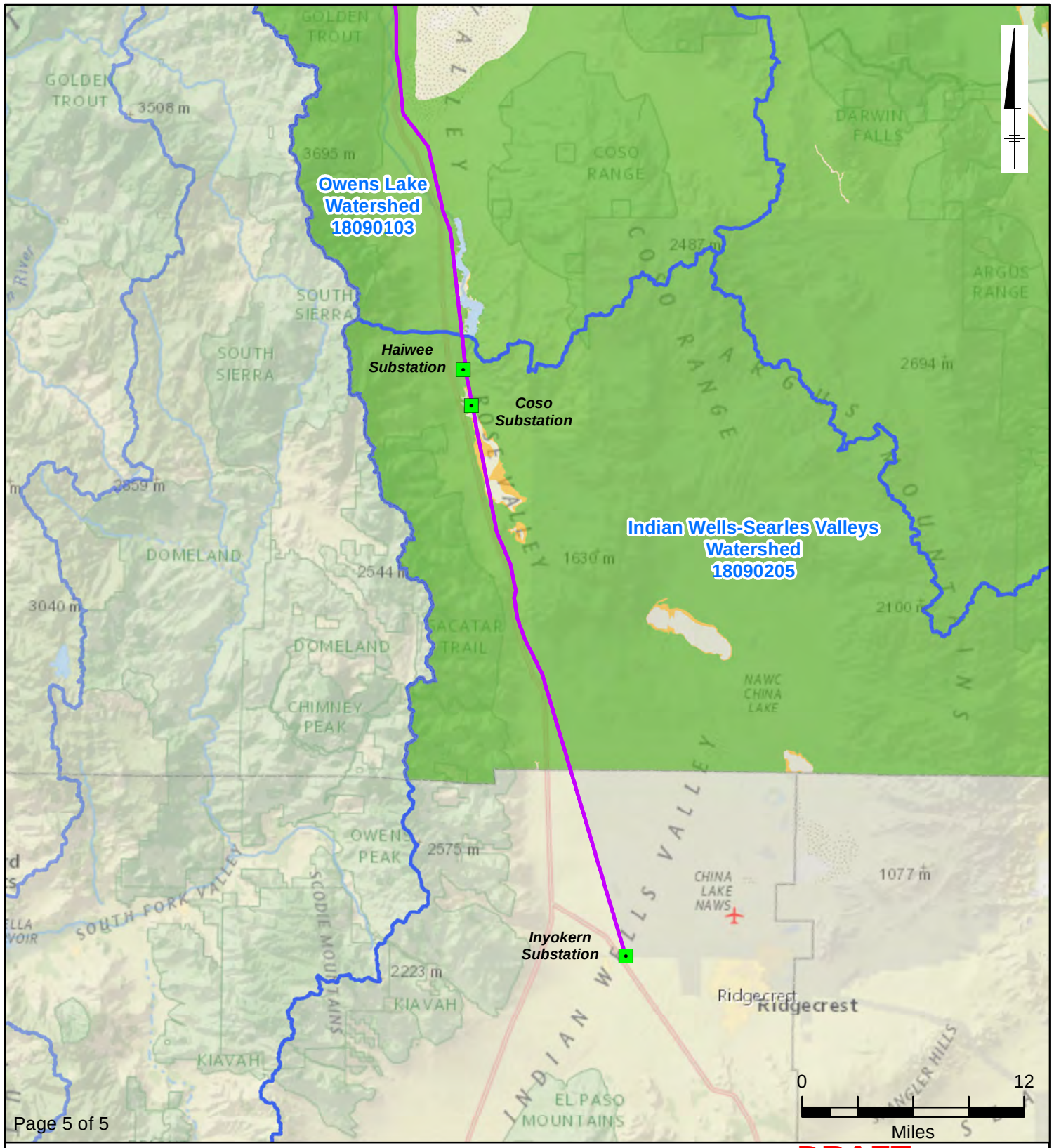

Page 5 of 5

Legend

- Control-Haiwee Project Alignment
- County
- Watersheds - HUC08
- Substation

Flood Zone Subtype

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(2) National Flood Hazard Layer (NFHL) source:
https://https://www.floodmaps.fema.gov/NFHL/status.shtml

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TLRR CH
Project Alignment

CONTROL HAIWEE
WATERSHEDS AND FLOODPLAINS

ARCADIS | SOUTHERN CALIFORNIA EDISON

FIGURE
4.9-1

City: Div/Group: Created By: Last Saved By: rjmiller
Project (Project #)
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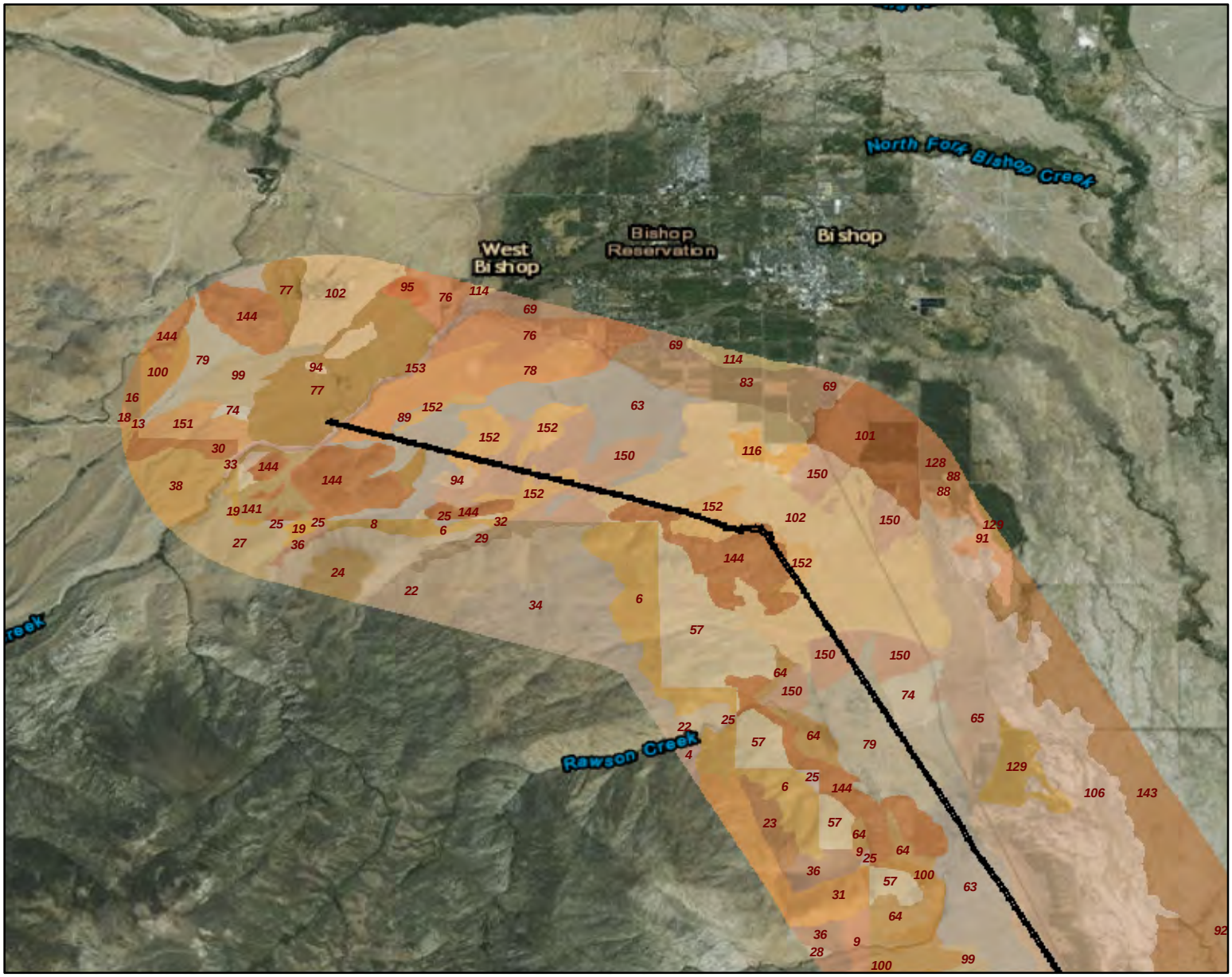
ATTACHMENT C

Soils Map

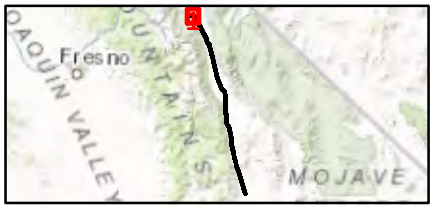


Project Alignment

NRCS SSURGO Soils

- 4:Rock outcrop-Rubble land complex
- 6:Berent-Glenbrook-Nanamkin families association, 30 to 50 percent slopes
- 8:Cartago gravelly loamy coarse sand, 5 to 30 percent slopes
- 9:Cartago gravelly loamy coarse sand, moist, 5 to 30 percent slopes
- 12:Goodale-Cartago complex, 5 to 15 percent slopes
- 13:Goodale-Cartago complex, moist, 5 to 15 percent slopes
- 16:Lubkin-Tinemaha complex, moist, 5 to 15 percent slopes
- 18:Wrango family-Torriorthentic Haploxerolls complex, 0 to 15 percent slopes
- 19:Ulymeyer-Rovana complex, slightly moist, 5 to 15 percent slopes
- 22:Wrango-Berent families-Rock outcrop association, 30 to 60 percent slopes
- 23:Berent family-Rock outcrop complex, 30 to 60 percent slopes
- 24:Jaybee family, 9 to 30 percent slopes
- 25:Whitewolf-Toquerville families association, 15 to 50 percent slopes
- 27:Wrango-Berent families complex, 2 to 30 percent slopes
- 28:Berent family-Xeric Torriorthents complex, 30 to 60 percent slopes
- 29:Xeric Argidurids, 2 to 9 percent slopes
- 30:Xeric Haplargids, 5 to 30 percent slopes
- 31:Rock outcrop-Lithic Cryothents-Nanamkin family association, 15 to 60 percent slopes
- 32:Xeric Haplodurids, 2 to 9 percent slopes
- 33:Xerofluvents, 0 to 5 percent slopes
- 34:Powment-Nanamkin families-Rock outcrop association, 30 to 60 percent slopes
- 36:Goodale-Cartago families complex, 5 to 15 percent slopes
- 38:Wrango-Pizona families complex, 5 to 30 percent slopes
- 57:Berent-Glenbrook-Nanamkin families association, 30 to 50 percent slopes
- 63:Cartago gravelly loamy coarse sand, 5 to 30 percent slopes
- 64:Cartago gravelly loamy coarse sand, moist, 5 to 30 percent slopes
- 65:Cartago gravelly loamy sand, 0 to 2 percent slopes
- 69:Dehy sandy loam, 0 to 2 percent slopes
- 74:Goodale loamy coarse sand, 5 to 15 percent slopes
- 76:Goodale-Cartago complex, 2 to 5 percent slopes
- 77:Goodale-Cartago complex, 5 to 15 percent slopes
- 78:Goodale-Cartago complex, moist, 2 to 5 percent slopes
- 79:Goodale-Cartago complex, moist, 5 to 15 percent slopes
- 83:Hesperia loamy sand, 0 to 2 percent slopes
- 88:Inyo sand, 0 to 9 percent slopes
- 89:Inyo sand, 9 to 15 percent slopes
- 91:Inyo-Poleta complex, 0 to 2 percent slopes
- 92:Inyo-Westguard association, 0 to 2 percent slopes
- 94:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, 30 to 75 percent slopes
- 95:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, cool, 30 to 75 percent slopes
- 99:Lubkin-Tinemaha complex, 5 to 15 percent slopes
- 100:Lubkin-Tinemaha complex, moist, 5 to 15 percent slopes
- 101:Lucerne loamy fine sand, 0 to 2 percent slopes
- 102:Lucerne gravelly loamy sand, 2 to 5 percent slopes
- 106:Manzanar-Westguard association, 0 to 2 percent slopes
- 114:Muranch family, 0 to 2 percent slopes
- 116:Pits-Dumps complex, 0 to 50 percent slopes
- 128:Shabbell-Winnedumah complex, 0 to 2 percent slopes
- 129:Shondow loam, 0 to 2 percent slopes
- 141:Ulymeyer-Rovana complex, slightly moist, 5 to 15 percent slopes
- 143:Westguard-Rienhakel association, 0 to 2 percent slopes
- 144:Whitewolf-Toquerville families association, 15 to 50 percent slopes
- 150:Xeric Argidurids, 2 to 9 percent slopes
- 151:Xeric Haplargids, 5 to 30 percent slopes
- 152:Xeric Haplodurids, 2 to 9 percent slopes
- 153:Xerofluvents, 0 to 5 percent slopes

Sheet 1 of 13



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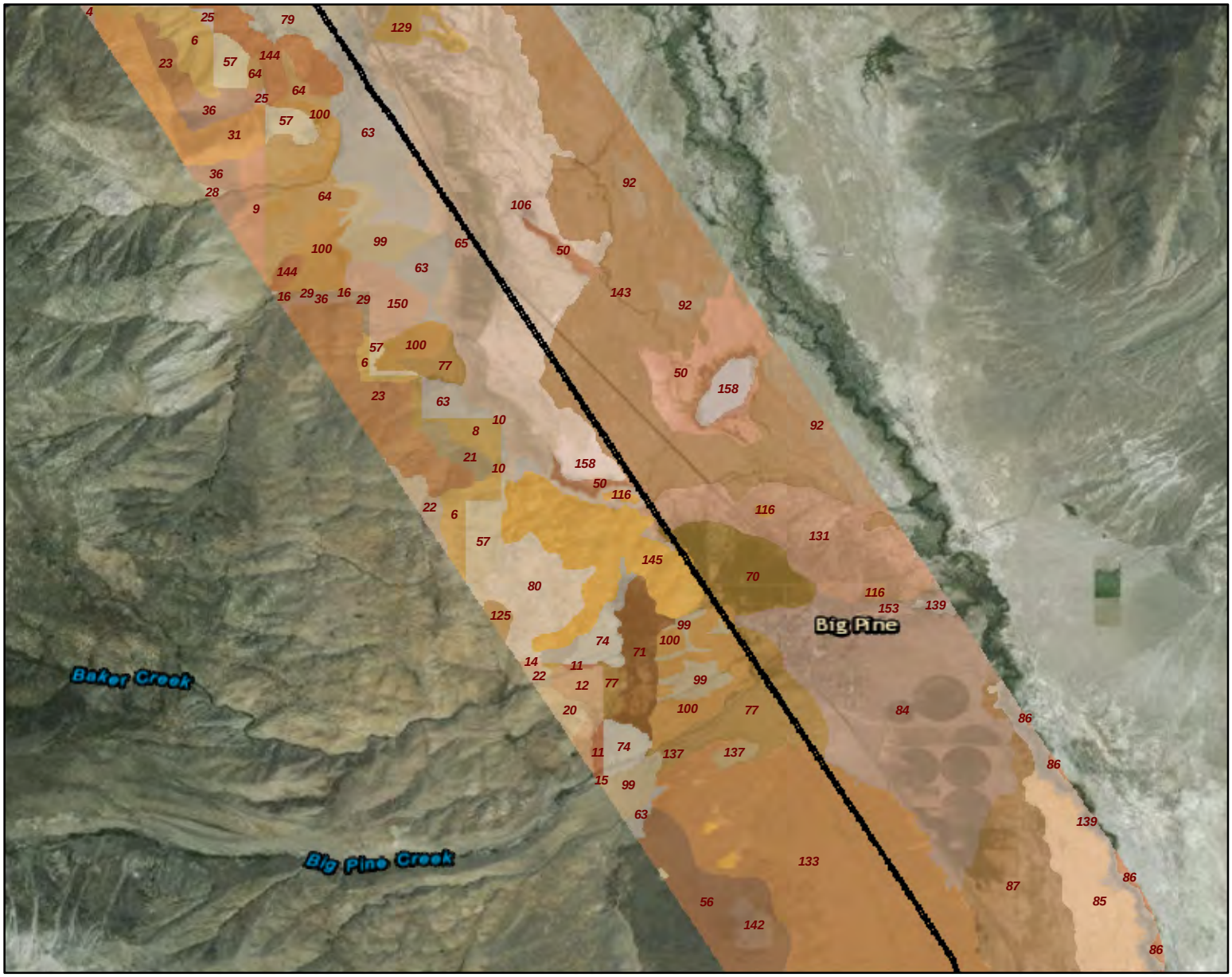
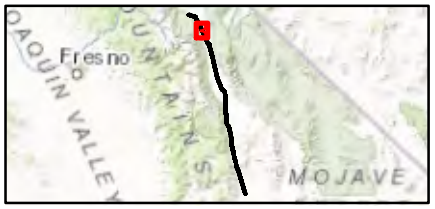


Project Alignment

NRCS SSURGO Soils

- 4:Rock outcrop-Rubble land complex
- 6:Berent-Glenbrook-Nanamkin families association, 30 to 50 percent slopes
- 8:Cartago gravelly loamy coarse sand, 5 to 30 percent slopes
- 9:Cartago gravelly loamy coarse sand, moist, 5 to 30 percent slopes
- 10:Cartago gravelly loamy sand, 0 to 2 percent slopes
- 11:Goodale loamy coarse sand, 5 to 15 percent slopes
- 12:Goodale-Cartago complex, 5 to 15 percent slopes
- 14:Haar family, 2 to 15 percent slopes
- 15:Lubkin-Tinemaha complex, 5 to 15 percent slopes
- 16:Lubkin-Tinemaha complex, moist, 5 to 15 percent slopes
- 20:Sur-Kiona families complex, 15 to 60 percent slopes
- 21:Mottsville family, 0 to 15 percent slopes
- 22:Wrango-Berent families-Rock outcrop association, 30 to 60 percent slopes
- 23:Berent family-Rock outcrop complex, 30 to 60 percent slopes
- 25:Whitewolf-Toquerville families association, 15 to 50 percent slopes
- 28:Berent family-Xeric Torriorthents complex, 30 to 60 percent slopes
- 29:Xeric Argidurids, 2 to 9 percent slopes
- 31:Rock outcrop-Lithic Cryothents-Nanamkin family association, 15 to 60 percent slopes
- 36:Goodale-Cartago families complex, 5 to 15 percent slopes
- 50:Aquents-Aquic torripsamments association, 0 to 2 percent slopes
- 56:Avalmount-Lava flows complex, 5 to 30 percent slopes
- 57:Berent-Glenbrook-Nanamkin families association, 30 to 50 percent slopes
- 63:Cartago gravelly loamy coarse sand, 5 to 30 percent slopes
- 64:Cartago gravelly loamy coarse sand, moist, 5 to 30 percent slopes
- 65:Cartago gravelly loamy sand, 0 to 2 percent slopes
- 70:Dehy sandy loam, loamy substratum, 0 to 2 percent slopes
- 71:Dehy-Conway-Lubkin association, 0 to 9 percent slopes
- 74:Goodale loamy coarse sand, 5 to 15 percent slopes
- 77:Goodale-Cartago complex, 5 to 15 percent slopes
- 79:Goodale-Cartago complex, moist, 5 to 15 percent slopes
- 80:Haar family, 2 to 15 percent slopes
- 84:Hesperia-Cartago complex, 0 to 5 percent slopes
- 85:Hessica fine sandy loam, 0 to 2 percent slopes
- 86:Hessica sandy loam, 0 to 2 percent slopes
- 87:Hessica-Eclipse association, 0 to 5 percent slopes
- 92:Inyo-Westguard association, 0 to 2 percent slopes
- 99:Lubkin-Tinemaha complex, 5 to 15 percent slopes
- 100:Lubkin-Tinemaha complex, moist, 5 to 15 percent slopes
- 106:Manzanar-Westguard association, 0 to 2 percent slopes
- 116:Pits-Dumps complex, 0 to 50 percent slopes
- 125:Rovana gravelly loamy coarse sand, dry, 5 to 15 percent slopes
- 129:Shondow loam, 0 to 2 percent slopes
- 131:Shondow-Hessica association, 0 to 2 percent slopes
- 133:Taboose-Lava flows complex, 5 to 30 percent slopes
- 137:Tinemaha gravelly loamy coarse sand, 5 to 15 percent slopes
- 139:Torrifluvents-Fluvaquentic Endoaquolls complex, 0 to 2 percent slopes
- 142:Vitrandic Torripsamments-Cinder land association, 15 to 50 percent slopes
- 143:Westguard-Rienhakel association, 0 to 2 percent slopes
- 144:Whitewolf-Toquerville families association, 15 to 50 percent slopes
- 145:Whitewolf-Toquerville families association, warm, 15 to 50 percent slopes
- 150:Xeric Argidurids, 2 to 9 percent slopes
- 153:Xerofluvents, 0 to 5 percent slopes
- 158:Water



ARCADIS

BRC equals 3

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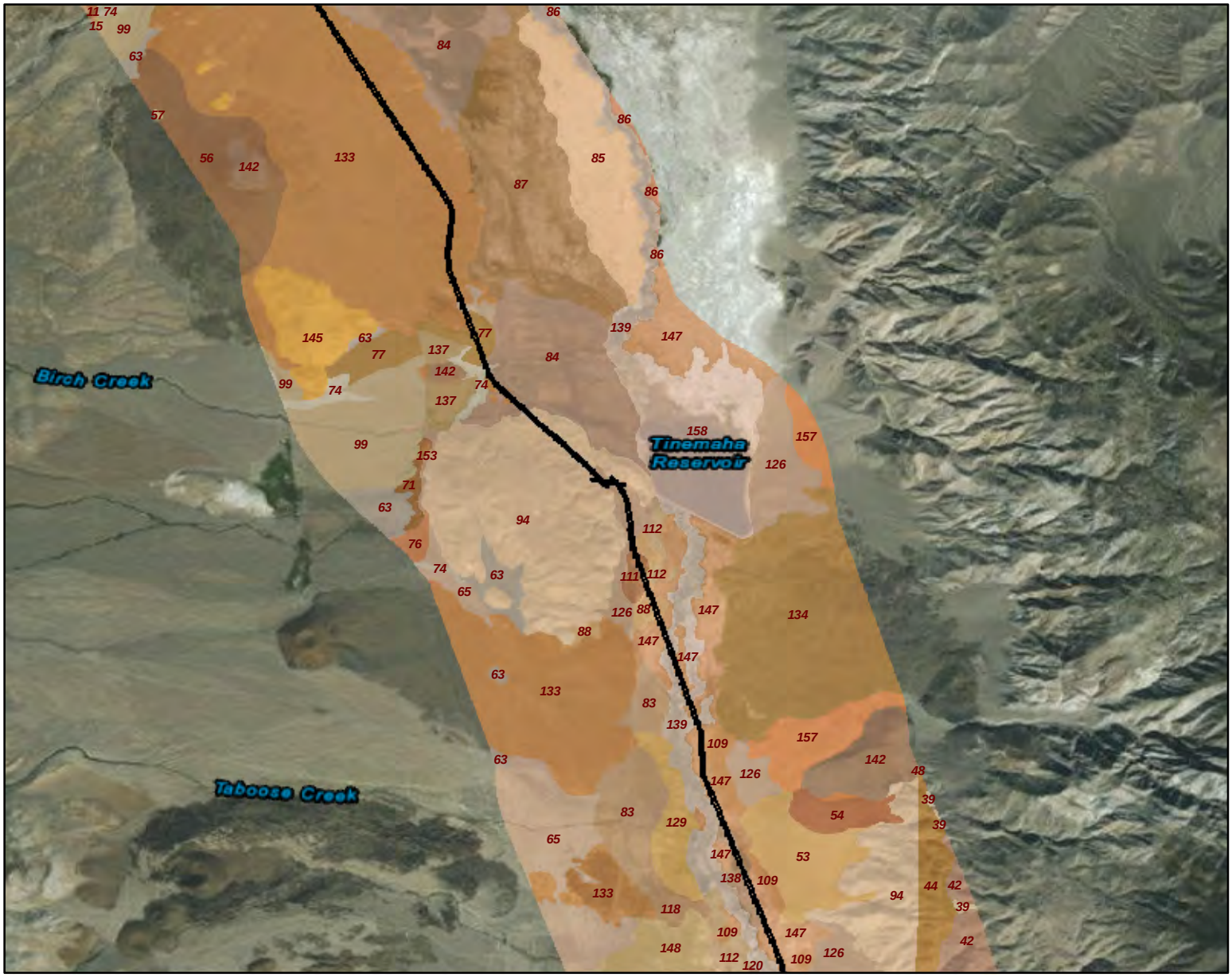

Project Alignment

NRCS SSURGO Soils

- 11:Goodale loamy coarse sand, 5 to 15 percent slopes
- 12:Goodale-Cartago complex, 5 to 15 percent slopes
- 15:Lubkin-Tinemaha complex, 5 to 15 percent slopes
- 39:Basalt flow
- 42:Mexispring family-Rock oucrop, granitic association, 30 to 60 percent slopes
- 44:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, 30 to 75 percent slopes
- 47:Seaman-Yellowrock complex, 2 to 5 percent slopes
- 48:Vitrandic Torripsamments-Cinder land association, 15 to 50 percent slopes
- 53:Arizo-Yellowrock complex, 2 to 5 percent slopes
- 54:Arizo-Yellowrock complex, 5 to 9 percent slopes
- 56:Avalmount-Lava flows complex, 5 to 30 percent slopes
- 57:Berent-Glenbrook-Nanamkin families association, 30 to 50 percent slopes
- 63:Cartago gravelly loamy coarse sand, 5 to 30 percent slopes
- 65:Cartago gravelly loamy sand, 0 to 2 percent slopes
- 71:Dehy-Conway-Lubkin association, 0 to 9 percent slopes
- 72:Division-Numu complex, 0 to 2 percent slopes
- 74:Goodale loamy coarse sand, 5 to 15 percent slopes
- 76:Goodale-Cartago complex, 2 to 5 percent slopes
- 77:Goodale-Cartago complex, 5 to 15 percent slopes
- 83:Hesperia loamy sand, 0 to 2 percent slopes
- 84:Hesperia-Cartago complex, 0 to 5 percent slopes
- 85:Hessica fine sandy loam, 0 to 2 percent slopes
- 86:Hessica sandy loam, 0 to 2 percent slopes
- 87:Hessica-Eclipse association, 0 to 5 percent slopes
- 88:Inyo sand, 0 to 9 percent slopes
- 94:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, 30 to 75 percent slopes
- 99:Lubkin-Tinemaha complex, 5 to 15 percent slopes
- 109:Mazourka-Eclipse complex, 0 to 2 percent slopes
- 111:Mazourka-Slickspots-Cajon complex, 0 to 2 percent slopes
- 112:Mazourka hard substratum-Mazourka-Eclipse complex, 0 to 2 percent slopes
- 118:Pokonahbe loamy fine sand, 0 to 2 percent slopes
- 120:Poleta-Mazourka-Eclipse complex, 0 to 2 percent slopes
- 126:Seaman-Yellowrock complex, 2 to 5 percent slopes
- 129:Shondow loam, 0 to 2 percent slopes
- 133:Taboose-Lava flows complex, 5 to 30 percent slopes
- 134:Taboose-Lava flows complex, dry, 5 to 15 percent slopes
- 137:Tinemaha gravelly loamy coarse sand, 5 to 15 percent slopes
- 138:Torrifluvents, 0 to 2 percent slopes
- 139:Torrifluvents-Fluvaquentic Endoaquolls complex, 0 to 2 percent slopes
- 142:Vitrandic Torripsamments-Cinder land association, 15 to 50 percent slopes
- 145:Whitewolf-Toquerville families association, warm, 15 to 50 percent slopes
- 147:Winerton-Hessica complex, 0 to 2 percent slopes
- 148:Winnedumah silt loam, 0 to 2 percent slopes
- 153:Xerofluvents, 0 to 5 percent slopes
- 157:Yermo stony-Yermo complex, cool, 5 to 15 percent slopes
- 158:Water

ARCADIS

BRC equals 3

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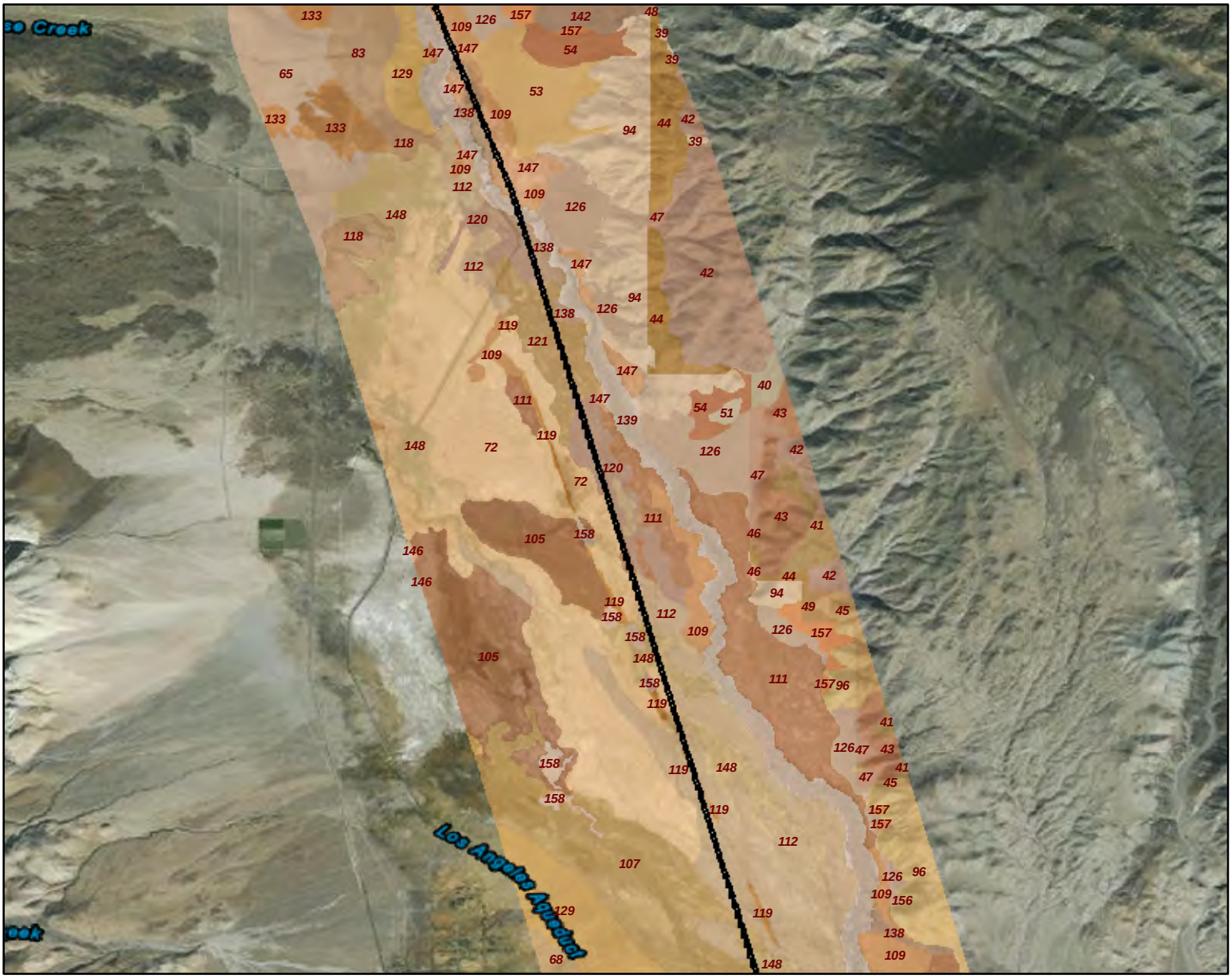
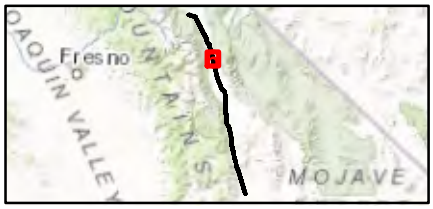


Project Alignment

NRCS SSURGO Soils

- 39:Basalt flow
- 40:Arizo-Yellowrock complex, 5 to 9 percent slopes
- 41:Mexispring family-Rock outcrop, granitic association, 15 to 30 percent slopes
- 42:Mexispring family-Rock oucrop, granitic association, 30 to 60 percent slopes
- 43:Mexispring family-Rock outcrop, granitic association, 60 to 80 percent slopes
- 44:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, 30 to 75 percent slopes
- 45:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, warm, 30 to 75 percent slopes
- 46:Mazourka-Slickspots-Cajon complex, 0 to 2 percent slopes
- 47:Seaman-Yellowrock complex, 2 to 5 percent slopes
- 48:Vitrandic Torripsamments-Cinder land association, 15 to 50 percent slopes
- 49:Yermo stony-Yermo complex, cool, 5 to 15 percent slopes
- 51:Arizo gravelly loamy sand, 5 to 9 percent slopes
- 53:Arizo-Yellowrock complex, 2 to 5 percent slopes
- 54:Arizo-Yellowrock complex, 5 to 9 percent slopes
- 65:Cartago gravelly loamy sand, 0 to 2 percent slopes
- 68:Dehy loam, 0 to 2 percent slopes
- 72:Division-Numu complex, 0 to 2 percent slopes
- 83:Hesperia loamy sand, 0 to 2 percent slopes
- 94:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, 30 to 75 percent slopes
- 96:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, warm, 30 to 75 percent slopes
- 105:Manzanar-Division association, 0 to 2 percent slopes
- 107:Manzanar-Winnedumah association, 0 to 2 percent slopes
- 109:Mazourka-Eclipse complex, 0 to 2 percent slopes
- 111:Mazourka-Slickspots-Cajon complex, 0 to 2 percent slopes
- 112:Mazourka hard substratum-Mazourka-Eclipse complex, 0 to 2 percent slopes
- 118:Pokonahbe loamy fine sand, 0 to 2 percent slopes
- 119:Pokonahbe-Rindge family association, 0 to 5 percent slopes
- 120:Poleta-Mazourka-Eclipse complex, 0 to 2 percent slopes
- 121:Poleta-Mazourka-Slickspots complex, 0 to 2 percent slopes
- 126:Seaman-Yellowrock complex, 2 to 5 percent slopes
- 129:Shondow loam, 0 to 2 percent slopes
- 133:Taboose-Lava flows complex, 5 to 30 percent slopes
- 138:Torrifluvents, 0 to 2 percent slopes
- 139:Torrifluvents-Fluvaquentic Endoaquolls complex, 0 to 2 percent slopes
- 142:Vitrandic Torripsamments-Cinder land association, 15 to 50 percent slopes
- 146:Winerton fine sandy loam, 0 to 2 percent slopes
- 147:Winerton-Hessica complex, 0 to 2 percent slopes
- 148:Winnedumah silt loam, 0 to 2 percent slopes
- 156:Yermo stony-Yermo complex, 5 to 15 percent slopes
- 157:Yermo stony-Yermo complex, cool, 5 to 15 percent slopes
- 158:Water



ARCADIS

BRC equals 3

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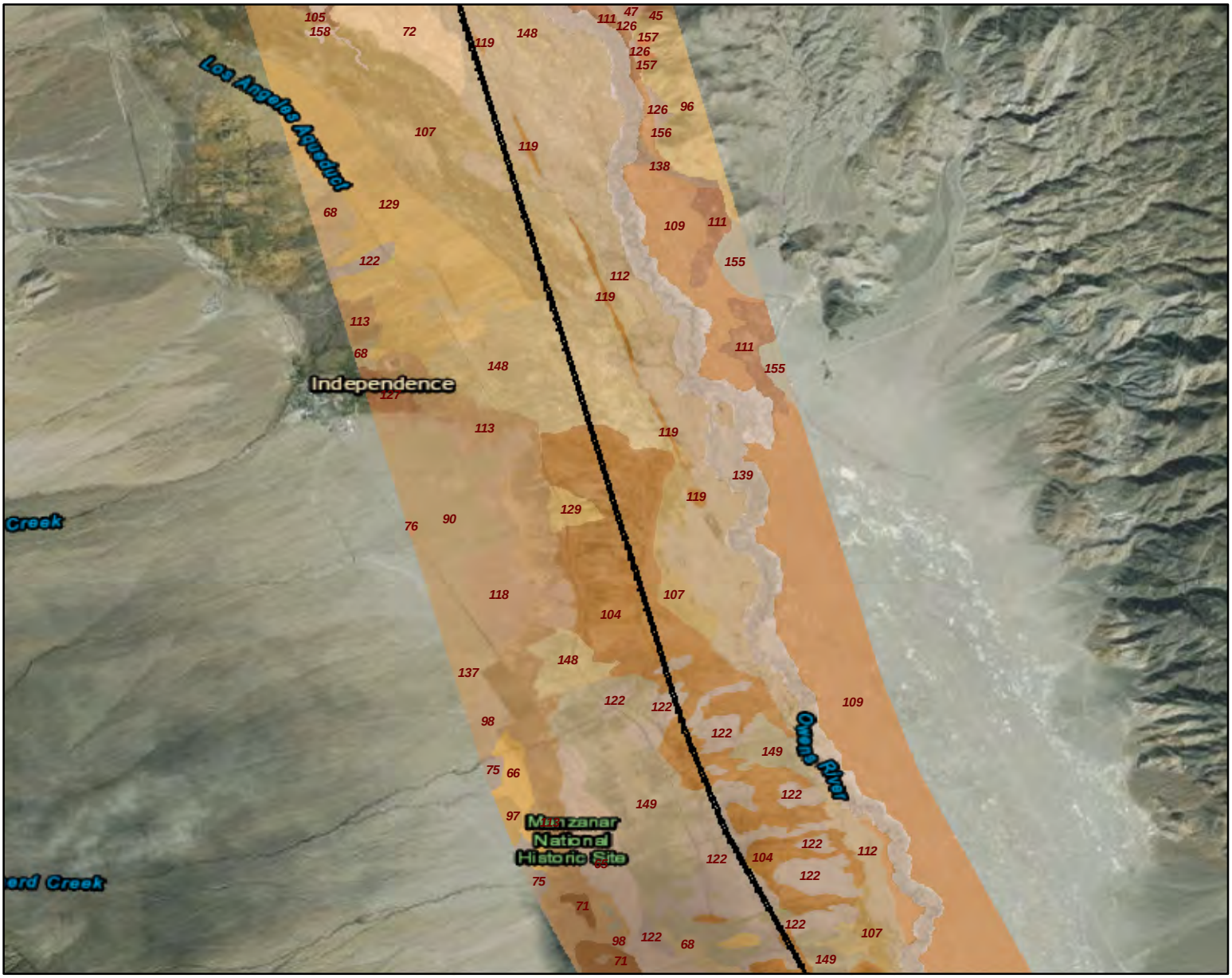


Project Alignment

NRCS SSURGO Soils

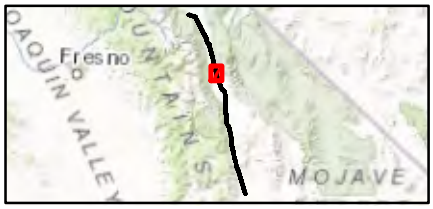
- 41:Mexispring family-Rock outcrop, granitic asociation, 15 to 30 percent slopes
- 43:Mexispring family-Rock outcrop, granitic association, 60 to 80 percent slopes
- 45:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, warm, 30 to 75 percent slopes
- 47:Seaman-Yellowrock complex, 2 to 5 percent slopes
- 65:Cartago gravelly loamy sand, 0 to 2 percent slopes
- 66:Cartago gravelly loamy sand, 2 to 5 percent slopes
- 68:Dehy loam, 0 to 2 percent slopes
- 71:Dehy-Conway-Lubkin association, 0 to 9 percent slopes
- 72:Division-Numu complex, 0 to 2 percent slopes
- 75:Goodale-Cartago complex, 0 to 2 percent slopes
- 76:Goodale-Cartago complex, 2 to 5 percent slopes
- 90:Inyo gravelly loamy coarse sand, 0 to 5 percent slopes
- 96:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, warm, 30 to 75 percent slopes
- 97:Lubkin gravelly loamy sand, 5 to 15 percent slopes
- 98:Lubkin-Tinemaha complex, 2 to 5 percent slopes
- 104:Manzanar silt loam, 0 to 2 percent slopes
- 105:Manzanar-Division association, 0 to 2 percent slopes
- 107:Manzanar-Winnedumah association, 0 to 2 percent slopes
- 109:Mazourka-Eclipse complex, 0 to 2 percent slopes
- 111:Mazourka-Slickspots-Cajon complex, 0 to 2 percent slopes
- 112:Mazourka hard substratum-Mazourka-Eclipse complex, 0 to 2 percent slopes
- 113:Morey family-Winnedumah-Rindge family complex, 0 to 2 percent slopes
- 118:Pokonahbe loamy fine sand, 0 to 2 percent slopes
- 119:Pokonahbe-Rindge family association, 0 to 5 percent slopes
- 122:Rienhakel sand, 0 to 2 percent slopes
- 126:Seaman-Yellowrock complex, 2 to 5 percent slopes
- 127:Shabbell sandy loam, 0 to 2 percent slopes
- 129:Shondow loam, 0 to 2 percent slopes
- 137:Tinemaha gravelly loamy coarse sand, 5 to 15 percent slopes
- 138:Torrifluvents, 0 to 2 percent slopes
- 139:Torrifluvents-Fluvaquentic Endoaquolls complex, 0 to 2 percent slopes
- 148:Winnedumah silt loam, 0 to 2 percent slopes
- 149:Winnedumah fine sandy loam, 0 to 2 percent slopes
- 155:Yellowrock-Seaman complex, 2 to 5 percent slopes
- 156:Yermo stony-Yermo complex, 5 to 15 percent slopes
- 157:Yermo stony-Yermo complex, cool, 5 to 15 percent slopes
- 158:Water

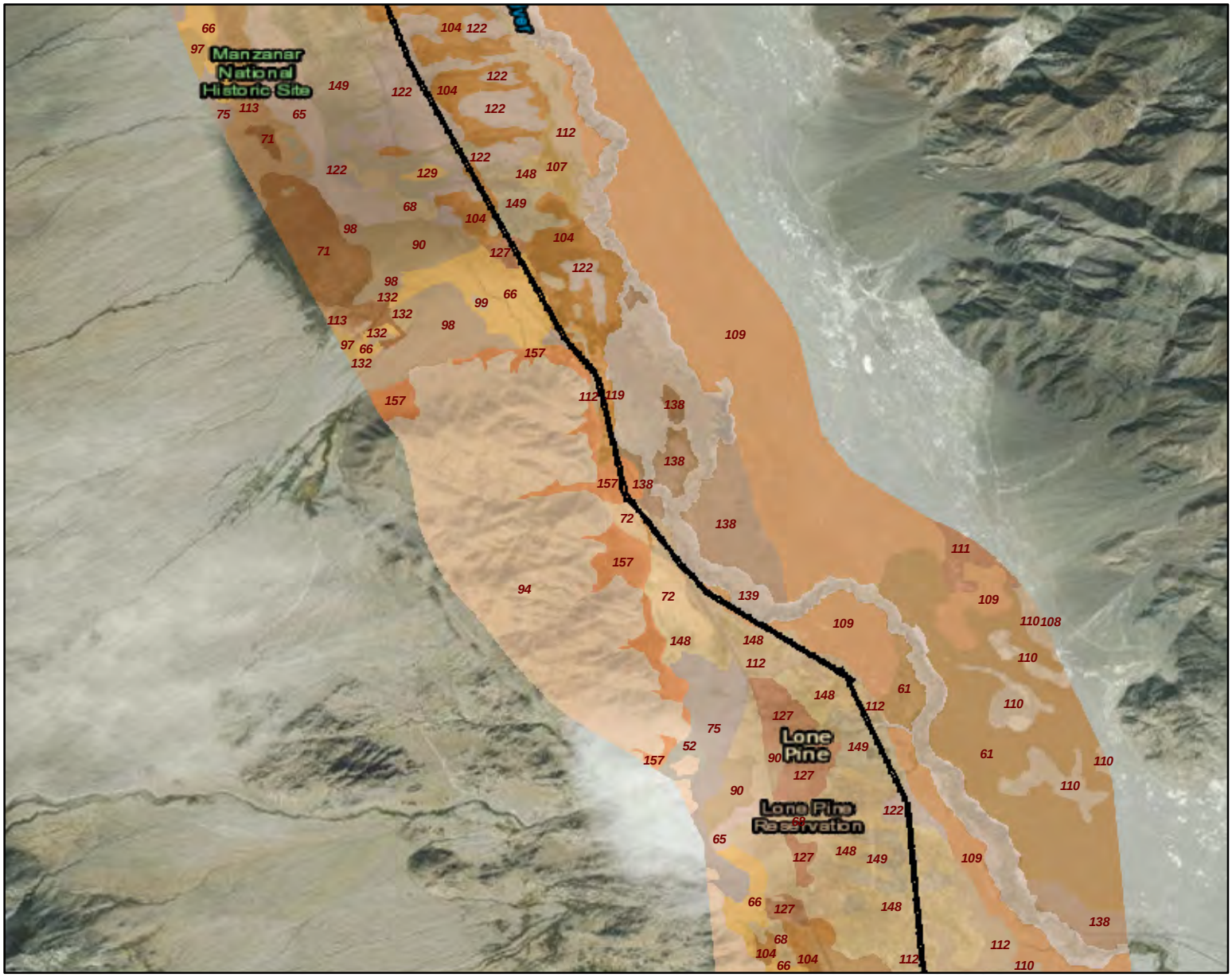
ARCADIS

BRC equals 3

0 0.5 1 2 Miles

N





Project Alignment

NRCS SSURGO Soils

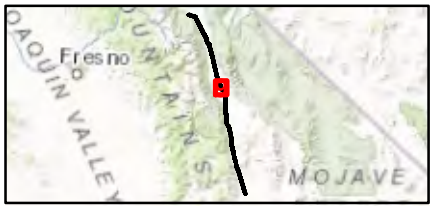
- 52:Arizo gravelly loamy sand, 9 to 15 percent slopes
- 61:Cajon-Mazourka-Eclipse complex, 0 to 2 percent slopes
- 65:Cartago gravelly loamy sand, 0 to 2 percent slopes
- 66:Cartago gravelly loamy sand, 2 to 5 percent slopes
- 68:Dehy loam, 0 to 2 percent slopes
- 71:Dehy-Conway-Lubkin association, 0 to 9 percent slopes
- 72:Division-Numu complex, 0 to 2 percent slopes
- 75:Goodale-Cartago complex, 0 to 2 percent slopes
- 90:Inyo gravelly loamy coarse sand, 0 to 5 percent slopes
- 94:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, 30 to 75 percent slopes
- 97:Lubkin gravelly loamy sand, 5 to 15 percent slopes
- 98:Lubkin-Tinemaha complex, 2 to 5 percent slopes
- 99:Lubkin-Tinemaha complex, 5 to 15 percent slopes
- 104:Manzanar silt loam, 0 to 2 percent slopes
- 107:Manzanar-Winnedumah association, 0 to 2 percent slopes
- 108:Mazourka loamy sand, 2 to 5 percent slopes
- 109:Mazourka-Eclipse complex, 0 to 2 percent slopes
- 110:Mazourka-Pokonahbe complex, 0 to 2 percent slopes
- 111:Mazourka-Slickspots-Cajon complex, 0 to 2 percent slopes
- 112:Mazourka hard substratum-Mazourka-Eclipse complex, 0 to 2 percent slopes
- 113:Morey family-Winnedumah-Rindge family complex, 0 to 2 percent slopes
- 119:Pokonahbe-Rindge family association, 0 to 5 percent slopes
- 122:Rienhakel sand, 0 to 2 percent slopes
- 127:Shabbell sandy loam, 0 to 2 percent slopes
- 129:Shondow loam, 0 to 2 percent slopes
- 132:Spainhower cobbly sandy loam, dry, 5 to 15 percent slopes
- 138:Torrifluvents, 0 to 2 percent slopes
- 139:Torrifluvents-Fluvaquentic Endoaquolls complex, 0 to 2 percent slopes
- 148:Winnedumah silt loam, 0 to 2 percent slopes
- 149:Winnedumah fine sandy loam, 0 to 2 percent slopes
- 157:Yermo stony-Yermo complex, cool, 5 to 15 percent slopes

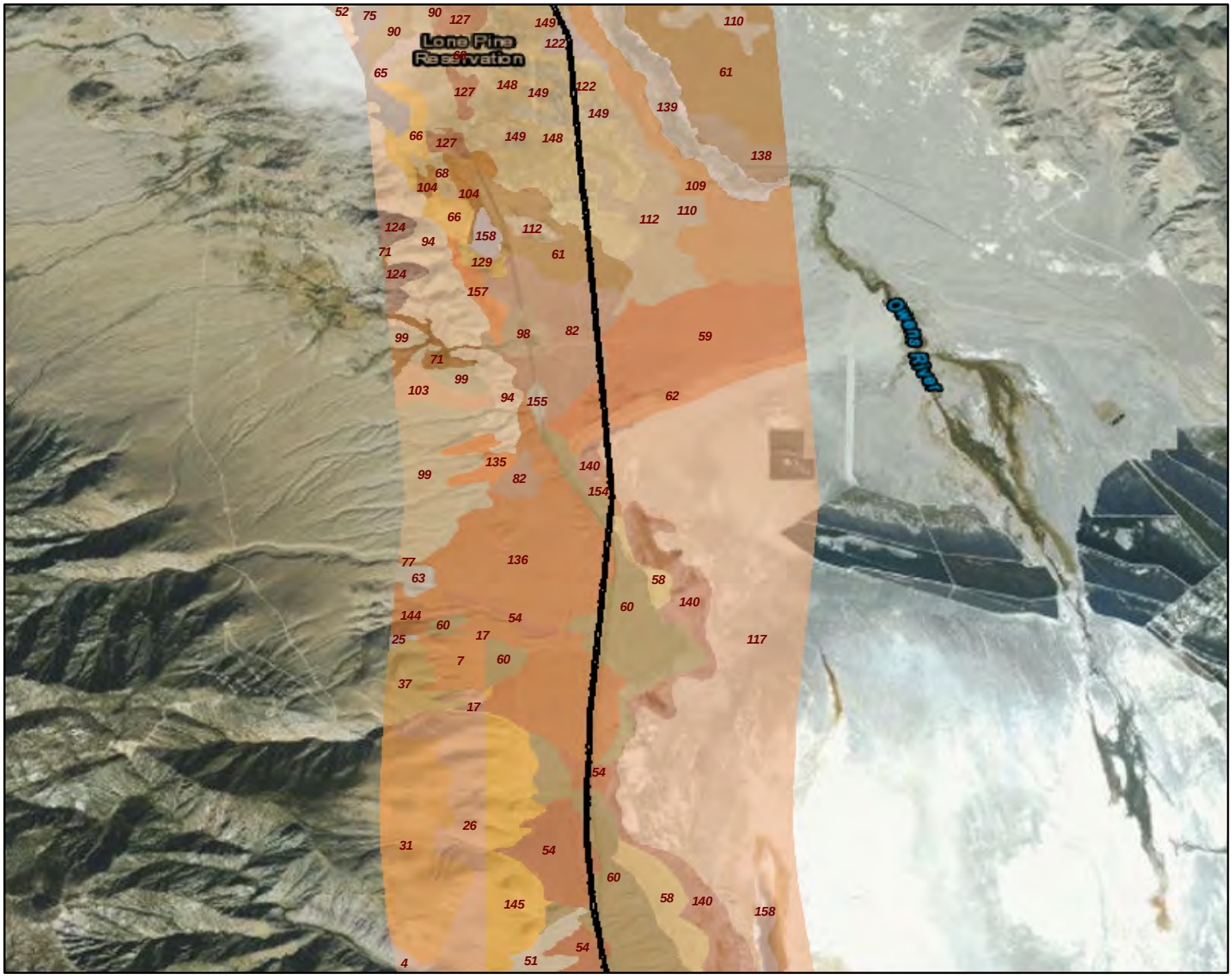
ARCADIS

BRC equals 3

0 0.5 1 2 Miles

N

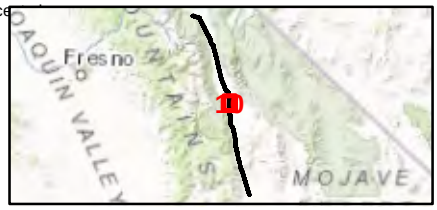




Project Alignment

NRCS SSURGO Soils

- 4:Rock outcrop-Rubble land complex
- 7:Cajon gravelly loamy sand, 0 to 5 percent slopes
- 17:Timosea-Neuralia complex, warm, 2 to 9 percent slopes
- 25:Whitewolf-Toquerville families association, 15 to 50 percent slopes
- 26:Whitewolf-Toquerville families association, warm, 15 to 50 percent slopes
- 31:Rock outcrop-Lithic Cryothents-Nanamkin family association, 15 to 60 percent slopes
- 37:Whitewolf-Toquerville families association, 5 to 60 percent slopes
- 51:Arizo gravelly loamy sand, 5 to 9 percent slopes
- 52:Arizo gravelly loamy sand, 9 to 15 percent slopes
- 54:Arizo-Yellowrock complex, 5 to 9 percent slopes
- 58:Cajon gravelly sand, 0 to 5 percent slopes
- 59:Cajon loamy sand, stratified substratum, 0 to 5 percent slopes
- 60:Cajon gravelly loamy sand, 0 to 5 percent slopes
- 61:Cajon-Mazourka-Eclipse complex, 0 to 2 percent slopes
- 62:Cajon-Typic Torriorthents complex, 0 to 5 percent slopes
- 63:Cartago gravelly loamy coarse sand, 5 to 30 percent slopes
- 65:Cartago gravelly loamy sand, 0 to 2 percent slopes
- 66:Cartago gravelly loamy sand, 2 to 5 percent slopes
- 68:Dehy loam, 0 to 2 percent slopes
- 71:Dehy-Conway-Lubkin association, 0 to 9 percent slopes
- 75:Goodale-Cartago complex, 0 to 2 percent slopes
- 77:Goodale-Cartago complex, 5 to 15 percent slopes
- 82:Helendale-Cajon complex, dry, 0 to 5 percent slopes
- 90:Inyo gravelly loamy coarse sand, 0 to 5 percent slopes
- 94:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, 30 to 75 percent slopes
- 98:Lubkin-Tinemaha complex, 2 to 5 percent slopes
- 99:Lubkin-Tinemaha complex, 5 to 15 percent slopes
- 103:Lucerne gravelly sandy loam, 5 to 15 percent slopes
- 104:Manzanar silt loam, 0 to 2 percent slopes
- 109:Mazourka-Eclipse complex, 0 to 2 percent slopes
- 110:Mazourka-Pokonahbe complex, 0 to 2 percent slopes
- 112:Mazourka hard substratum-Mazourka-Eclipse complex, 0 to 2 percent slopes
- 117:Playa
- 122:Rienhakel sand, 0 to 2 percent slopes
- 124:Rock outcrop
- 127:Shabbell sandy loam, 0 to 2 percent slopes
- 129:Shondow loam, 0 to 2 percent slopes
- 135:Timosea-Neuralia complex, 2 to 9 percent slopes
- 136:Timosea-Neuralia complex, warm, 2 to 9 percent slopes
- 138:Torrifluvents, 0 to 2 percent slopes
- 139:Torrifluvents-Fluvaquentic Endoaquolls complex, 0 to 2 percent slopes
- 140:Typic Psammaquents, 0 to 2 percent slopes
- 144:Whitewolf-Toquerville families association, 15 to 50 percent slopes
- 145:Whitewolf-Toquerville families association, warm, 15 to 50 percent slopes
- 148:Winnedumah silt loam, 0 to 2 percent slopes
- 149:Winnedumah fine sandy loam, 0 to 2 percent slopes
- 154:Yellowrock sand, 0 to 5 percent slopes
- 155:Yellowrock-Seaman complex, 2 to 5 percent slopes
- 157:Yermo stony-Yermo complex, cool, 5 to 15 perce
- 158:Water

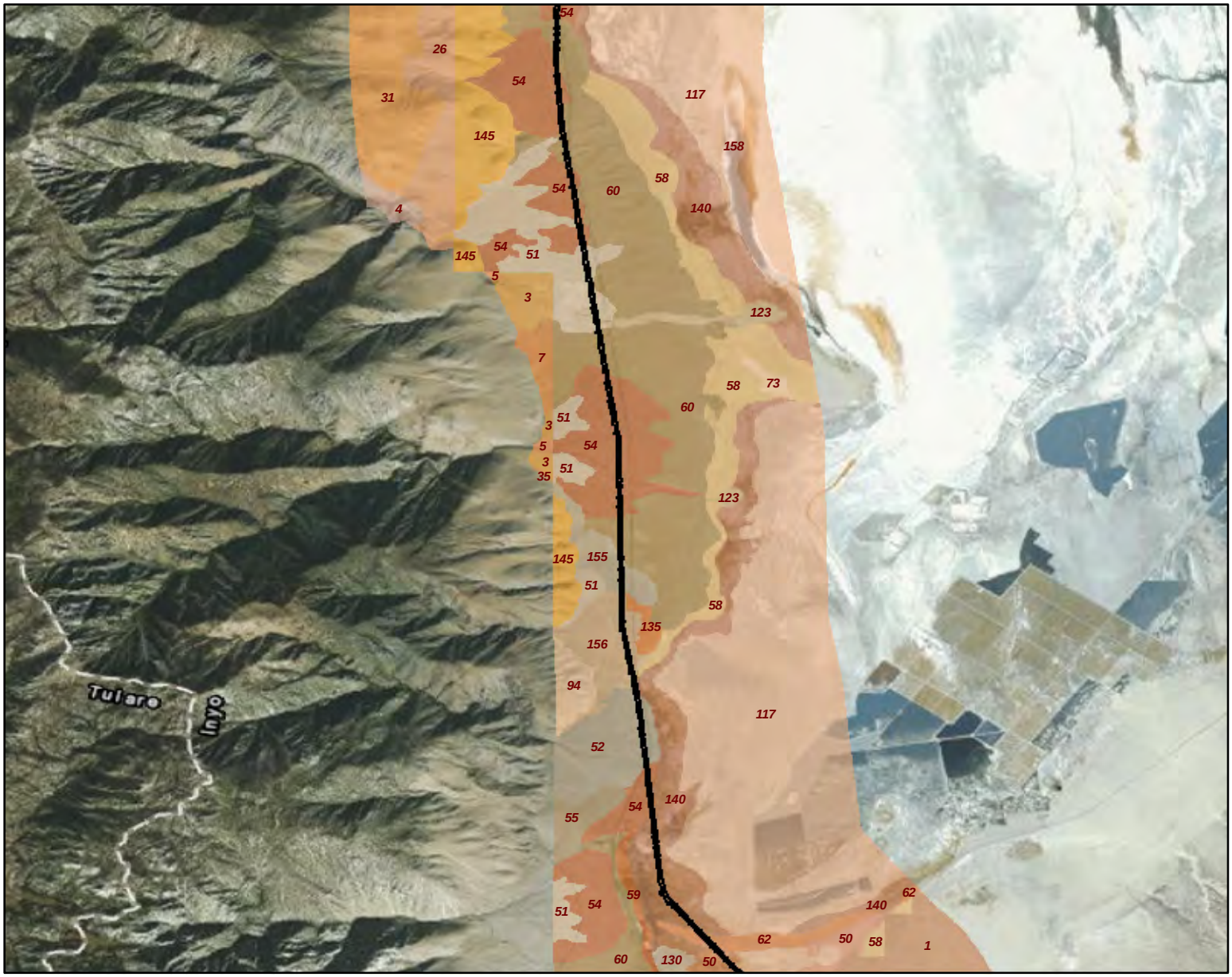


ARCADIS

BRC equals 3

0 0.5 1 2 Miles

N



Project Alignment

NRCS SSURGO Soils

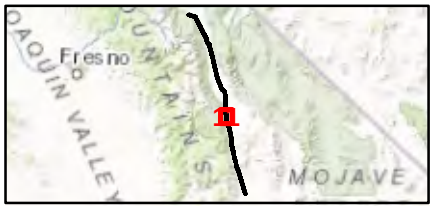
- 1:NOTCOM
- 3:Arizo gravelly loamy sand, 5 to 9 percent slopes
- 4:Rock outcrop-Rubble land complex
- 5:Arizo-Yellowrock complex, 5 to 9 percent slopes
- 7:Cajon gravelly loamy sand, 0 to 5 percent slopes
- 26:Whitewolf-Toquerville families association, warm, 15 to 50 percent slopes
- 31:Rock outcrop-Lithic Cryothents-Nanamkin family association, 15 to 60 percent slopes
- 35:Yellowrock-Seaman complex, 2 to 5 percent slopes
- 50:Aquents-Aquic torripsamments association, 0 to 2 percent slopes
- 51:Arizo gravelly loamy sand, 5 to 9 percent slopes
- 52:Arizo gravelly loamy sand, 9 to 15 percent slopes
- 54:Arizo-Yellowrock complex, 5 to 9 percent slopes
- 55:Arizo-Yellowrock complex, 9 to 15 percent slopes
- 58:Cajon gravelly sand, 0 to 5 percent slopes
- 59:Cajon loamy sand, stratified substratum, 0 to 5 percent slopes
- 60:Cajon gravelly loamy sand, 0 to 5 percent slopes
- 62:Cajon-Typic Torriorthents complex, 0 to 5 percent slopes
- 73:Dune land
- 94:Lithic Torriorthents-Lithic Haplargids-Rock outcrop complex, 30 to 75 percent slopes
- 117:Playa
- 123:Riverwash
- 130:Shondow loam, drained, 0 to 2 percent slopes
- 135:Timosea-Neuralia complex, 2 to 9 percent slopes
- 140:Typic Psammaquents, 0 to 2 percent slopes
- 145:Whitewolf-Toquerville families association, warm, 15 to 50 percent slopes
- 155:Yellowrock-Seaman complex, 2 to 5 percent slopes
- 156:Yermo stony-Yermo complex, 5 to 15 percent slopes
- 158:Water

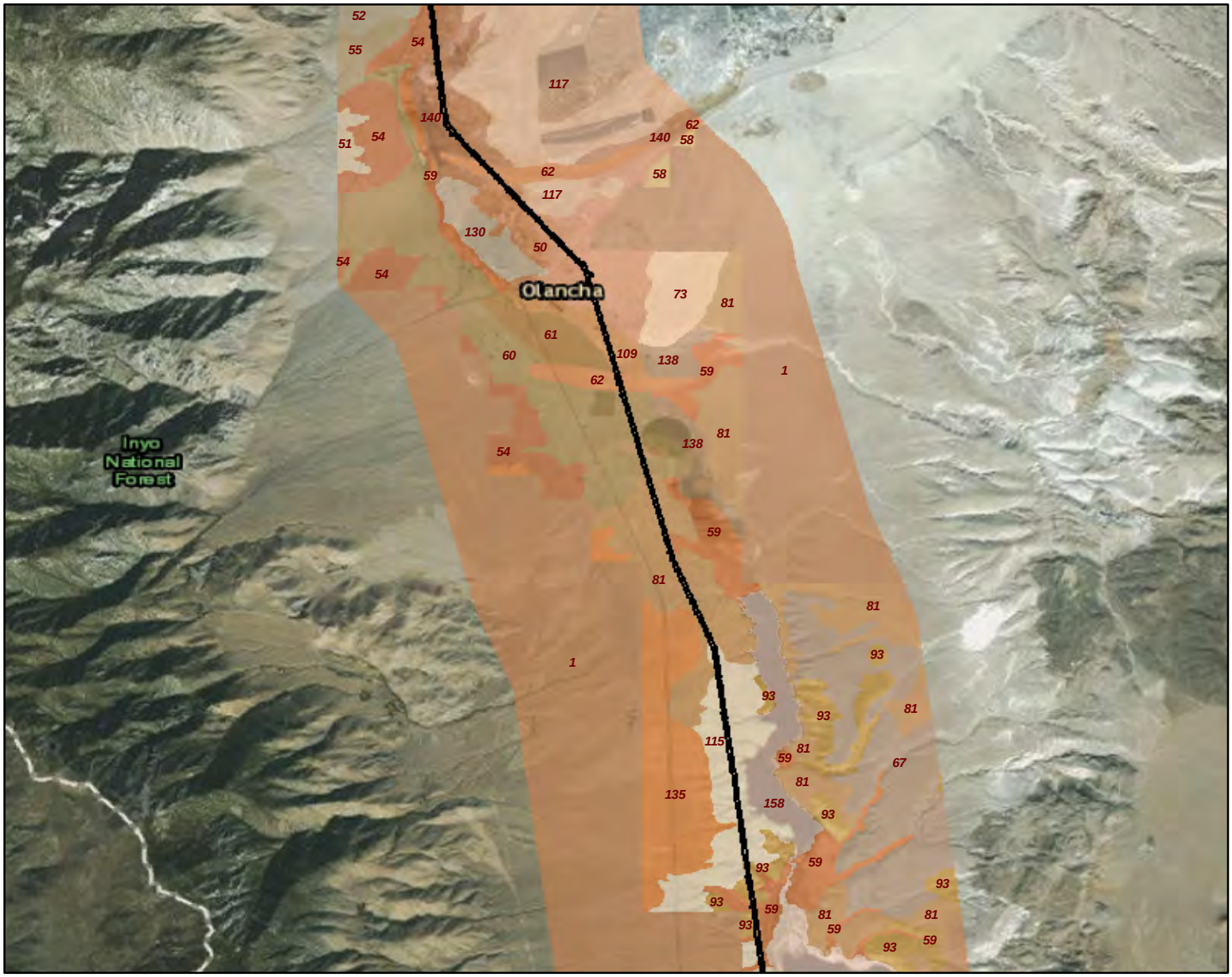
ARCADIS

BRC equals 3

0 0.5 1 2 Miles

N





Project Alignment

NRCS SSURGO Soils

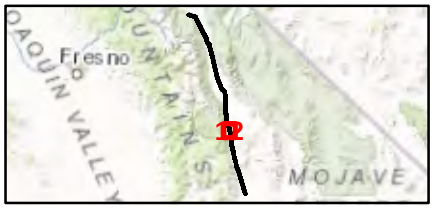
- 1:NOTCOM
- 50:Aquents-Aquic torripsamments association, 0 to 2 percent slopes
- 51:Arizo gravelly loamy sand, 5 to 9 percent slopes
- 52:Arizo gravelly loamy sand, 9 to 15 percent slopes
- 54:Arizo-Yellowrock complex, 5 to 9 percent slopes
- 55:Arizo-Yellowrock complex, 9 to 15 percent slopes
- 58:Cajon gravelly sand, 0 to 5 percent slopes
- 59:Cajon loamy sand, stratified substratum, 0 to 5 percent slopes
- 60:Cajon gravelly loamy sand, 0 to 5 percent slopes
- 61:Cajon-Mazourka-Eclipse complex, 0 to 2 percent slopes
- 62:Cajon-Typic Torriorthents complex, 0 to 5 percent slopes
- 67:Centennial-Helendale complex, 2 to 9 percent slopes
- 73:Dune land
- 81:Helendale-Cajon complex, 0 to 5 percent slopes
- 93:Lithic Torriorthents-Badland complex, 15 to 75 percent slopes
- 109:Mazourka-Eclipse complex, 0 to 2 percent slopes
- 115:Neuralia-Timosea-Typic Argidurids complex, 2 to 15 percent slopes
- 117:Playa
- 130:Shondow loam, drained, 0 to 2 percent slopes
- 135:Timosea-Neuralia complex, 2 to 9 percent slopes
- 138:Torrifluvents, 0 to 2 percent slopes
- 140:Typic Psammaquents, 0 to 2 percent slopes
- 158:Water

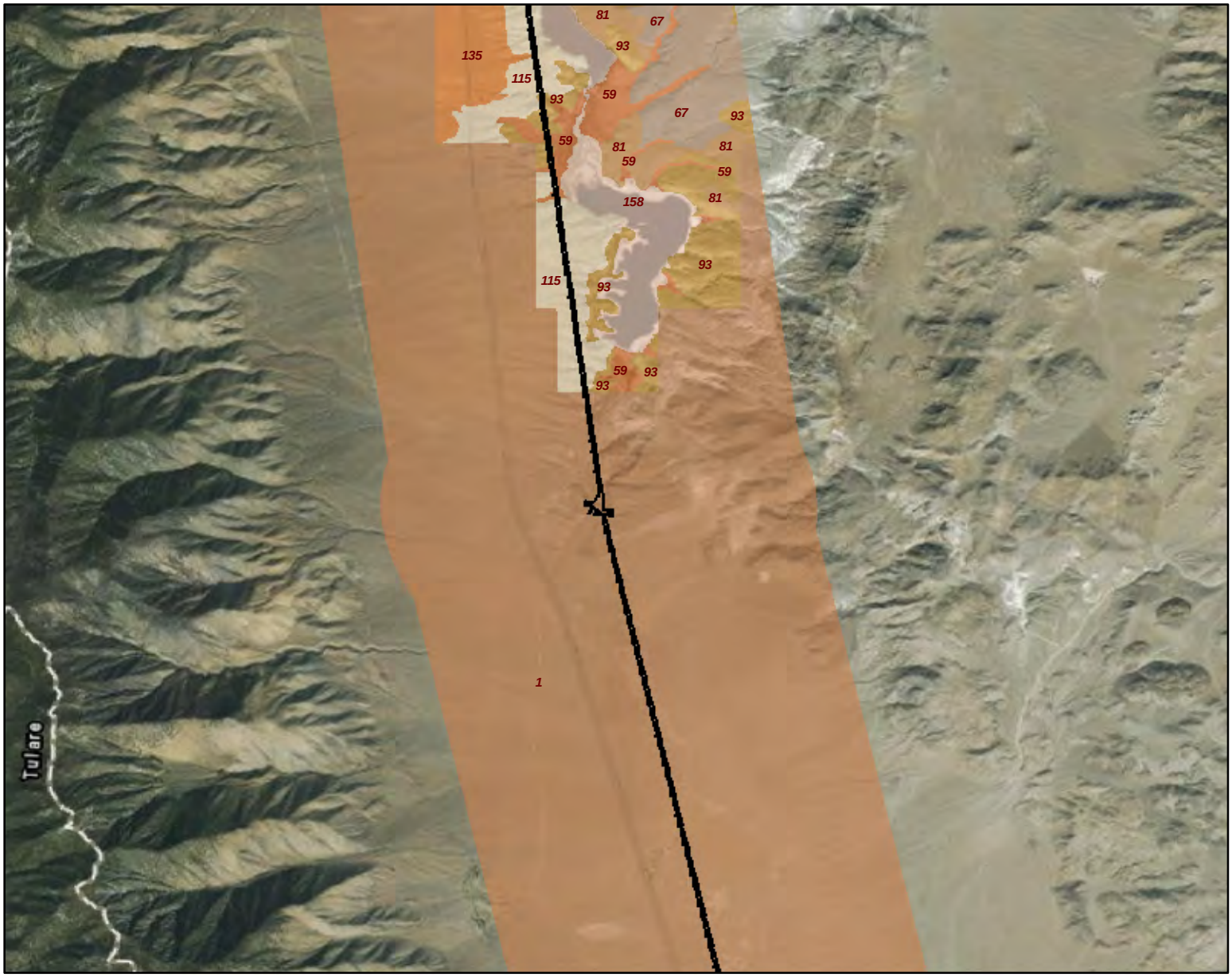
ARCADIS

BRC equals 3

0 0.5 1 2 Miles

N





Project Alignment

NRCS SSURGO Soils

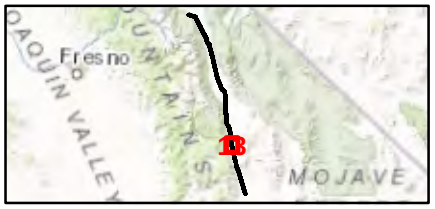
- 1:NOTCOM
- 59:Cajon loamy sand, stratified substratum, 0 to 5 percent slopes
- 67:Centennial-Helendale complex, 2 to 9 percent slopes
- 81:Helendale-Cajon complex, 0 to 5 percent slopes
- 93:Lithic Torriorthents-Badland complex, 15 to 75 percent slopes
- 115:Neuralia-Timosea-Typic Argidurids complex, 2 to 15 percent slopes
- 135:Timosea-Neuralia complex, 2 to 9 percent slopes
- 158:Water

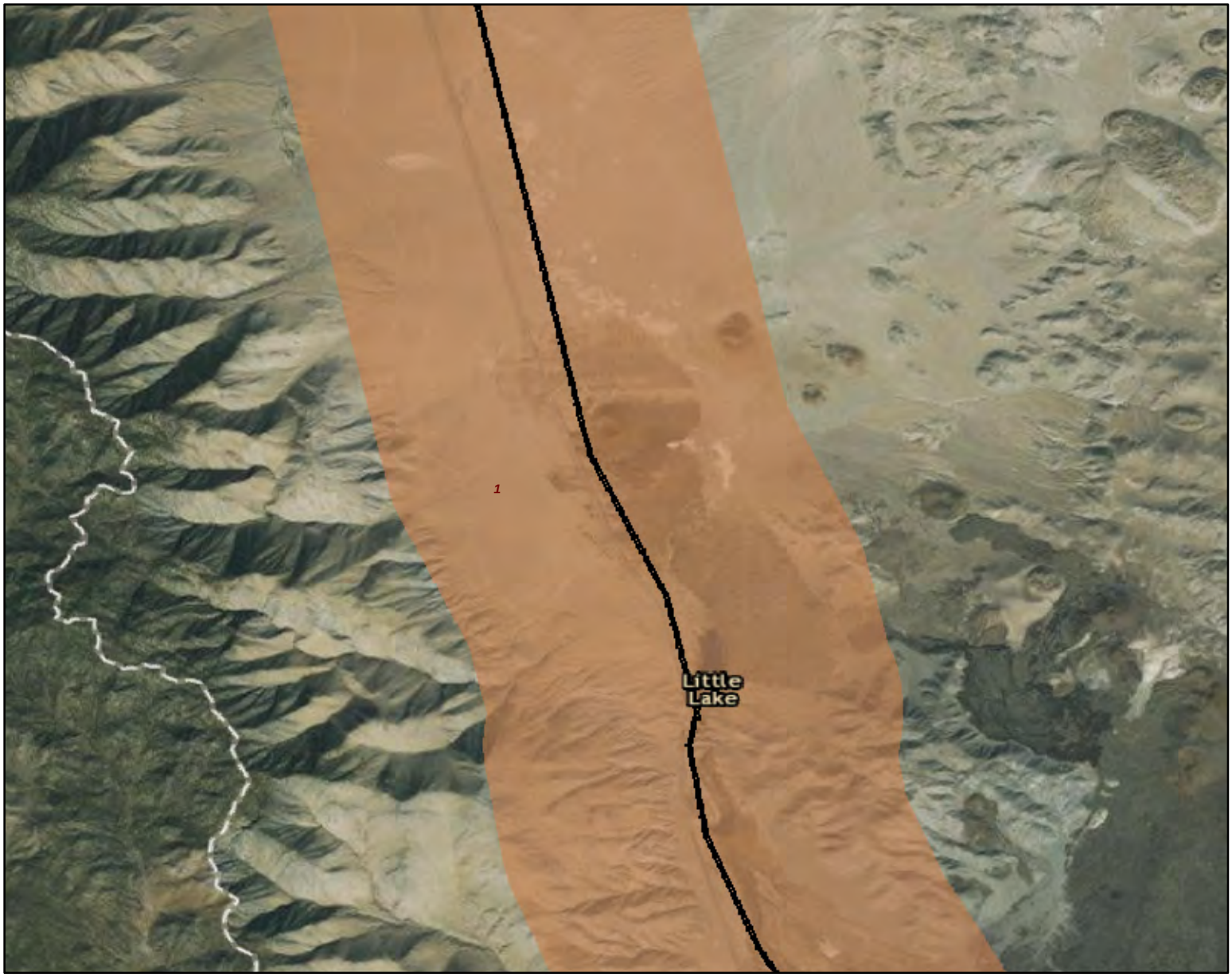
ARCADIS

BRC equals 3

0 0.5 1 2 Miles

N





Project Alignment

NRCS SSURGO Soils

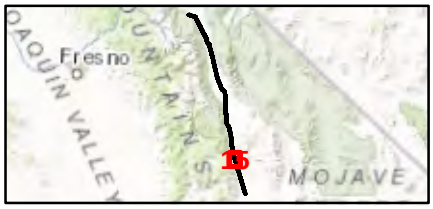
1:NOTCOM

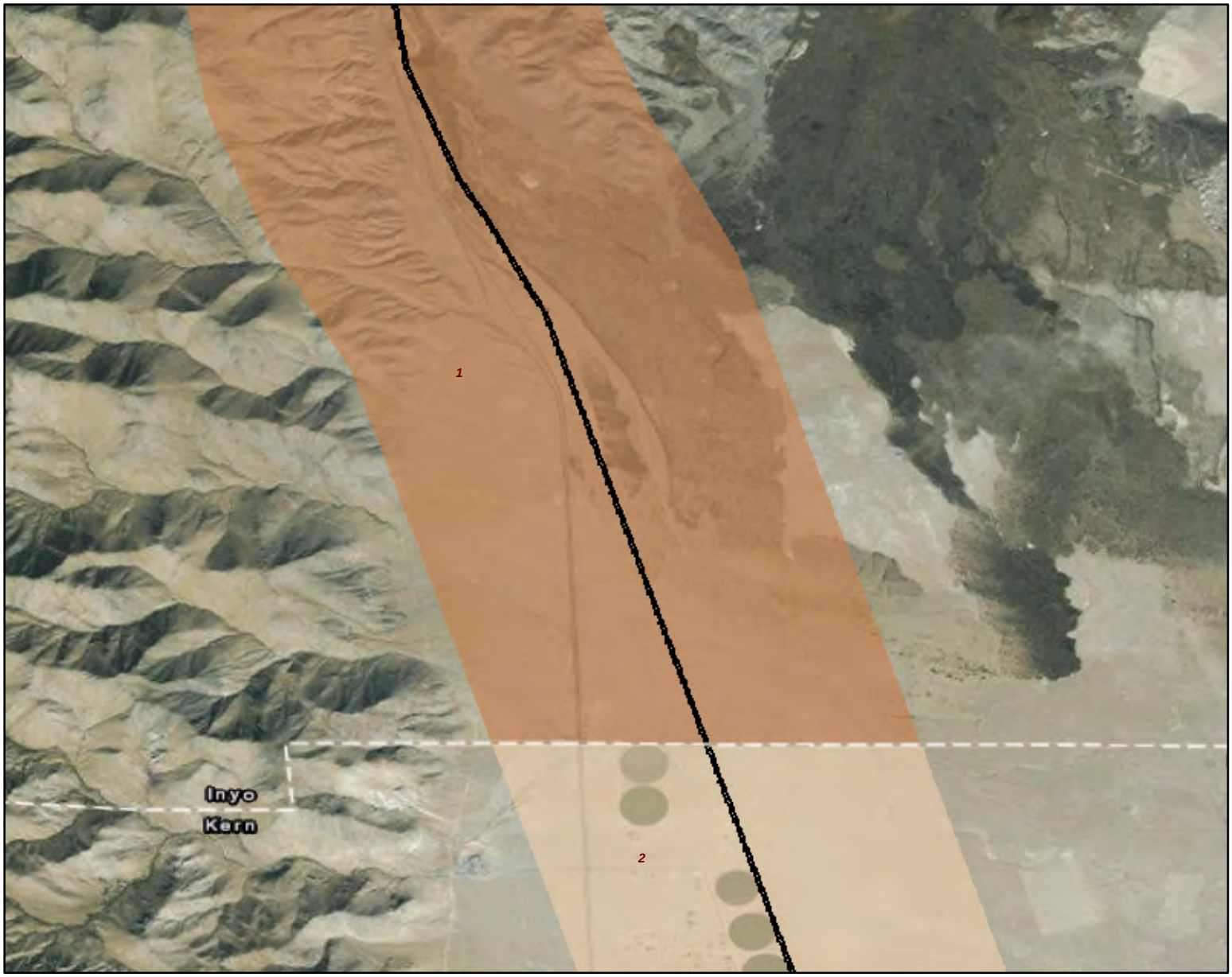
ARCADIS

BRC equals 3

0 0.5 1 2 Miles

N





Project Alignment

NRCS SSURGO Soils

1:NOTCOM

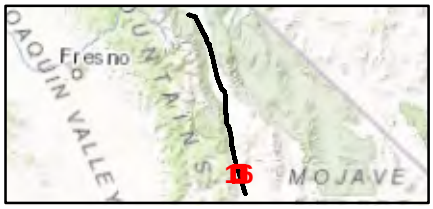
2:NOTCOM

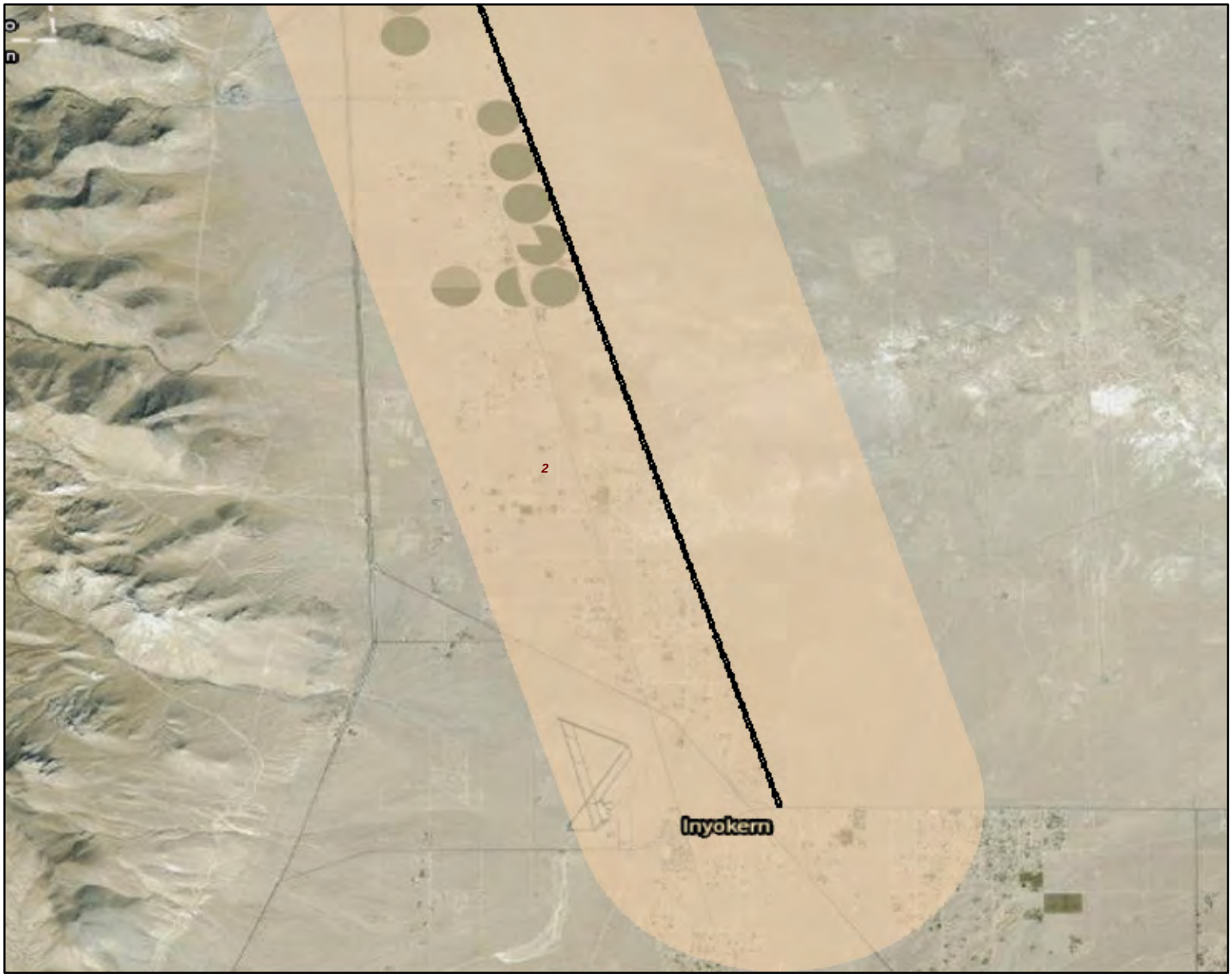
ARCADIS

BRC equals 3

0 0.5 1 2 Miles

N





Project Alignment

NRCS SSURGO Soils

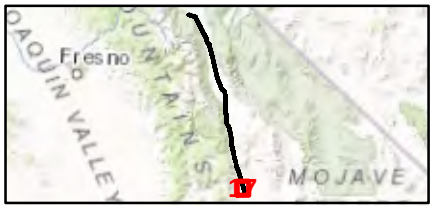
2:NOTCOM

ARCADIS

BRC equals 3

0 0.5 1 2 Miles

N



ATTACHMENT D

Field Data Forms

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Control Hiwer City/County: Inyo Sampling Date: 4/26/17
Applicant/Owner: SCE State: CA Sampling Point: OCU ~~OCU~~
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.29.5748 Long: 118.003329 Datum:
Soil Map Unit Name: Aquents – Aquic turnip scmments assoc NWI classification: PEMI
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1. ~~8~~			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Herb Stratum (Plot size: ____)			
1. Juncus balticus	65	yes	FACW
2. Carex nebrascensis	25	yes	OBL
3. Distichlis spicata	10	no	FAC
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species ____	x 1 = ____	
FACW species ____	x 2 = ____	
FAC species ____	x 3 = ____	
FACU species ____	x 4 = ____	
UPL species ____	x 5 = ____	
Column Totals: ____ (A)	____ (B)	

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: CCC~~7~~8

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y2.5/1						Sandy loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✓ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil map unit hydric rev 4S hydric 1,3

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 2inch

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 0-12

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

emergent wetland

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TRPR Central Heimee City/County: Inyo Sampling Date: 3/26/17
Applicant/Owner: SCE State: _____ Sampling Point: CUC8
Investigator(s): S Jones Section, Township, Range: _____
Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
Subregion (LRR): D Lat: 36.313588 Long: 116.07721 Datum: WGS
Soil Map Unit Name: Typic Psammaquents, 0-2% NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: _____)			
1. Juncus Balticus	70	yes	FACW
2. Carex nebrascensis	30	yes	OBL
3.			
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: ~~4~~ WP5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5y2.5/1						Soil	loam

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✓ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil map unit hydric per USJ hydric list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 2

Water Table Present? Yes ___ No ___ Depth (inches): ___

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): C-12

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

emergent wetland

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TRR Central Hiewer City/County: Inyo Sampling Date: 5/20/17
Applicant/Owner: SCE State: CA Sampling Point: Cue9
Investigator(s): S. Taren Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.62583 Long: 118.053069 Datum:
Soil Map Unit Name: Winnedumah silt loam 0-2% NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes ✓ No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1. Salix exigua	10	yes	FACW
2.			
3.			
4.			
5.			
	10 = Total Cover		
Herb Stratum (Plot size:)			
1. Sporobolis airoides	80	yes	FACW
2. Juncus balticus	20	yes	FACW
3. Amphiscirpus nevadensis	10	yes	OBL
4.			
5.			
6.			
7.			
8.			
	110 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: CC09

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y2.5/1						Sandy loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✓ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil map unit hydric per US hydric soil list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 3

Water Table Present? Yes ___ No ✓ Depth (inches): ___

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 0-2

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Sub shrub - wetland

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Control Haines City/County: Inyo Sampling Date: 9/26/17
Applicant/Owner: SCE State: CA Sampling Point: CO10
Investigator(s): S Gonor Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.63003 Long: 118.068336 Datum:
Soil Map Unit Name: Winnedumah 5.1t loam c.2% NWI classification: PFOF
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ____ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ____ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix exigua	15	yes	FACW
2. Salix goodingii	10	yes	FACW
3. Populus fremontii	10	yes	FACW
4.			
	30	= Total Cover	

Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	____	= Total Cover	

Herb Stratum (Plot size: ____)			
1. Distichlis spicata	60	yes	FAC
2. Juncus balticus	20	yes	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	80	= Total Cover	

Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____	= Total Cover	

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species ____	x 1 =	____
FACW species ____	x 2 =	____
FAC species ____	x 3 =	____
FACU species ____	x 4 =	____
UPL species ____	x 5 =	____
Column Totals: ____ (A)		____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: CC/D

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR2/2						Sandy loam	
3-16	2.5Y5/1						"	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ✓ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil map unit hydric (is hydric soil list)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): _____

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 3-16

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Central Interface City/County: Inyo Sampling Date: 4/20/17
Applicant/Owner: SCE State: CA Sampling Point: 0011
Investigator(s): S Gow Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.59630 Long: -118.91775 Datum:
Soil Map Unit Name: Polonahbe-Rindge family assoc C-5 NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes ✓ No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks:

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size:)			
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1. Typha sp.	40	yes	obl
2. Anemopsis californica	25	yes	obl
3.			
4.			
5.	15		
	= Total Cover		
Herb Stratum (Plot size:)			
1. Distichlis spicata	30	yes	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	30 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: OU 11

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	0.5Y 5/2	98	5YR 5/8	2	C	PL	Sandy loam	oxidation products

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✓ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil map unit hydric hydric soil list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 3

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Control Unit City/County: Inyo Sampling Date: 5/26/10
Applicant/Owner: SCE State: CA Sampling Point: Cw12
Investigator(s): S.Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: Long: Datum:
Soil Map Unit Name: Petrohabbe Ridge family 0.5% NWI classification: PEMA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes ✓ No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size:)			
1. Distichlis spicata	65	yes	FAC
2. Juncus balticus	25	yes	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	90 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: 012

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR4/3		10YR5/6	10	C	PL	Sandy loam	
7-16	10YR6/3							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ✓ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil map unit hydric US hydric soil list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ✓ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): _____

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: RRR Control Drainage City/County: Inyo Sampling Date: 4/20/10
Applicant/Owner: SCE State: CA Sampling Point: C073
Investigator(s): Sycamore Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.615762 Long: 118.073243 Datum:
Soil Map Unit Name: Polemanhbe Ringe Family asso. D-5 NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Herb Stratum (Plot size: ____)			
1. Juncus balticus	45	Yes	FACW
2. Distichlis spicata	20	~~Yes~~	FACW
3. Amph. Scirpus maritimus	15	~~Yes~~	OBL
4.			
5.			
6.			
7.			
8.			
	80 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: 0013

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y 2.5/1						Sandy loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✓ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil may meet hydric US soil / hydric 1.57

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): 2

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TRR Central Intimer City/County: Inyo Sampling Date: 4/27/17
Applicant/Owner: SCE State: _____ Sampling Point: CC 14
Investigator(s): S Jones Section, Township, Range: _____
Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
Subregion (LRR): D Lat: 36.168095 Long: 118.093781 Datum: _____
Soil Map Unit Name: Pitcombe Vindge family NWI classification: PSSJ
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes _____ No ✓	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1. Salix exigua	40	yes	FACW
2. Typha Sp.	80	yes	OBL
3.			
4.			
5.			
	70 = Total Cover		
Herb Stratum (Plot size: _____)			
1. Distichlis spicata	60	yes	FAC
2. Amphiscirpus nevadensis	20	yes	OBL
3.			
4.			
5.			
6.			
7.			
8.			
	80 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
Total Number of Dominant Species Across All Strata: 4 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: CO15

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y2.5/1						Sandy loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✓ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil map unit hydric

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 2

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): 12

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: IZ RR Central Haiwee City/County: Inyo Sampling Date: 5/27/15

Applicant/Owner: SCE State: CA Sampling Point: CWT

Investigator(s): S Junor Section, Township, Range:

Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):

Subregion (LRR): D Lat: 36.671381 Long: 118.094579 Datum:

Soil Map Unit Name: Manzanita hard substratum Manzanita complex NWI classification: PFO F

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: ____)			
1. Populus fremontii	20	yes	FACW
2.			
3.			
4.			
	20 = Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1. Salix exigua	10	yes	FACW
2. ~~Amphiscirpus Nevadensis~~			~~OBL~~
3.			
4.			
5.			
	10 = Total Cover		
Herb Stratum (Plot size: ____)			
1. Juncus balticus	30	yes	FACW
2. Amphiscirpus	20	yes	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	50 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:

___ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: COST

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 8/2						Sandy loam	
5-16	2.5Y 2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ✓ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil map unit hydric US hydric Soil list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 0

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Central Mine City/County: Inyo Sampling Date: 4/20/17
Applicant/Owner: SCE State: CA Sampling Point: 0016
Investigator(s): SJones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.6987 Long: 118 201765 Datum:
Soil Map Unit Name: Manzanar Silt Loam 0-2 NWI classification: PEMI
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes ✓ No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size:)			
1. Juncus balticus	75	yes	FACW
2. Carex nebrascensis	20	yes	FACW
3. Sporobolus airoides	05	no	chl
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
__ Prevalence Index is ≤3.0[1]
__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: GOL6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y2.5/1						Sandy loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✓ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No _____

Remarks:

Soil mapunit hydric

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No _____ Depth (inches): _____

Water Table Present? Yes _____ No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No _____ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Central Hillside City/County: Inyo Sampling Date: 4/20/17
Applicant/Owner: SCE State: CA Sampling Point: CP17
Investigator(s): STH Section, Township, Range:
Landform (hillslope, terrace, etc.): D Local relief (concave, convex, none): Slope (%):
Subregion (LRR): Lat: 36.684483 Long: 118.103735 Datum:
Soil Map Unit Name: Cartago gravelly loamy sand 2-5 NWI classification: PEMI
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes ✓ No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size:)			
1. Juncus balticus	90	yes	FACW
2. Amphiscirpus nevadensis	10	yes	obl
3.			
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: C07

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR2/2						Sandy loam	
7-16	2.5Y2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ✓ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil map unit hydric

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 2

Water Table Present? Yes ___ No ✓ Depth (inches): ___

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 0-6

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Central Hinkley City/County: Inyo Sampling Date: 5/27/11

Applicant/Owner: SCE State: CA Sampling Point: CW8

Investigator(s): S Jarel Section, Township, Range:

Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):

Subregion (LRR): D Lat: 36.687026 Long: 116.104978 Datum:

Soil Map Unit Name: Cantago gravelly loamy sand 2-5 NWI classification: PEMA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size: ____)			
1. Juncus balticus	75	yes	FACW
2. Amphiscirpus nevadensis	25	yes	obl
3. Distichlis spicata	~~10~~	no	FAC
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:

✓ Dominance Test is >50%

__ Prevalence Index is ≤3.0[1]

__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: 0078

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
~~0-6~~	~~10YR 3/2~~		5YR 5/8	10	C	PL	Sandy loam	
6-16	2.5Y 5/2							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ✓ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil map unit hydric

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): _____

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: JLMR Central Hiwes City/County: Inyo Sampling Date: 4/20/17
Applicant/Owner: SCE State: CA Sampling Point: CW9
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): ~~Slope~~ Slope (%):
Subregion (LRR): D Lat: 36.69899 Long: 118.11451 Datum:
Soil Map Unit Name: Manzanar silt loam c-2 NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes ✓ No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks: ~~Mesic~~

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1. Salix exigua	40	yes	FACW
2. Atriplex sp.	15	yes	upl
3.			
4.			
5.			
	55 = Total Cover		
Herb Stratum (Plot size:)			
1. Carex nebrascensis	20	yes	obl
2. Juncus balticus	70	yes	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	90 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 4 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks: Low depression area with Atriplex Salix and Artemisia Mesic.

SOIL

Sampling Point: DP9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 2/2						SCL	
4-16	2.5Y 2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ✓ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soil map unit hydric

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 6

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Control Intrivee City/County: Inyo Sampling Date: 4/27/17

Applicant/Owner: SCE State: CA Sampling Point: CU20

Investigator(s): S Jura Section, Township, Range:

Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):

Subregion (LRR): N Lat: 36.702330 Long: 118.113688 Datum:

Soil Map Unit Name: Menzhar silt loam c-2 NWI classification: PEMA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks: Area disturbed from grazing

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1. Amphyscirpus nevadensis	60	yes	obl
2. Juncus balticus	40	yes	FACW
3.			
4.			
5.			
	100 = Total Cover		
Herb Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	____ = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:

✓ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: 0020

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
C-16	2.5Y2.5/2		5YR5/8	10	C	PL	Sandy loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ✓ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric as hydric soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ✓ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 6

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Control Heiner City/County: Inyo Sampling Date: 4/27/17
Applicant/Owner: SCE State: CA Sampling Point: UU21
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.713002 Long: 118.119713 Datum:
Soil Map Unit Name: Winnedumah fine sandy loam, 0-2 NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ____ No ✓	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1. Salix exigua	25	yes	FACW
2.			
3.			
4.			
5.			
	25 = Total Cover		
Herb Stratum (Plot size: ____)			
1. Juncus balticus	60	yes	FACW
2. Sporobolus airoides	20	yes	OBL
3. Distichlis spicata	20	no	FAC
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: C021

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y2.5/1						Sandy loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric US hydric Soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 2

Water Table Present? Yes ___ No ✓ Depth (inches): ___

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 10

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Control H. City/County: Inyo Sampling Date: 4/20/17
Applicant/Owner: SCE State: CA Sampling Point: CW2R
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: Long: Datum:
Soil Map Unit Name: Winnedumah Silt Loam wet NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes ✓ No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes No	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1. Salix exigua	30	✓	FACW
2.			
3.			
4.			
5.			
	30 = Total Cover		
Herb Stratum (Plot size:)			
1. Juncus balticus	60	yes	FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	60 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
__ Prevalence Index is ≤3.0[1]
__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: CUD2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✓ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric as hydric soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 3

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TCRR Central Itinerant City/County: Inyo Sampling Date: 5/27/17

Applicant/Owner: SCE State: CA Sampling Point: CE23 CO2L

Investigator(s): S Jones Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR): D Lat: 36.72385 Long: 118.12555 Datum: _____

Soil Map Unit Name: Riverwash/Sand c-2 NWI classification: PEMA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes _____ No ✓	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: _____)			
1. Juncus balticus	80		
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	80 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species _____	x 1 = _____	
FACW species _____	x 2 = _____	
FAC species _____	x 3 = _____	
FACU species _____	x 4 = _____	
UPL species _____	x 5 = _____	
Column Totals: _____ (A)	_____ (B)	

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

✓ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: 0023c024

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 2/2							
4-16	2.5YR 2/2							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ✓ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric hydric soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ✓ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 2

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Control / Hiwea City/County: Tehama Sampling Date: 4/27/17
Applicant/Owner: SE State: CA Sampling Point: 0025-0026
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.724523 Long: 118.126008 Datum:
Soil Map Unit Name: Riverbed Sand 0-2 NWI classification: PEMA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ____ No ✓	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Herb Stratum (Plot size: ____)			
1. Juncus balticus	75		FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	75 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: cons-26

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y 2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✓ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Salt hydric vs hydric soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 3

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Central Intake City/County: Yuma Sampling Date: 4/27/17
Applicant/Owner: SCE State: CA Sampling Point: ~~CE27-28-29~~ CE27-28-29
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.724875 Long: 114.126705 Datum:
Soil Map Unit Name: Rienhardt Sand c-2 NWI classification: PEMA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Herb Stratum (Plot size: ____)			
1. Juncus balticus	75	✓	FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	75 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species ____	x 1 =	____
FACW species ____	x 2 =	____
FAC species ____	x 3 =	____
FACU species ____	x 4 =	____
UPL species ____	x 5 =	____
Column Totals: ____ (A)		____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
__ Prevalence Index is ≤3.0[1]
__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: GW7 corr

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	2.5Y2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✓ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No _____

Remarks:

Soils hydric us hydric soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 2

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Central Heinz City/County: Inyo Sampling Date: 7/20/10
Applicant/Owner: SCE State: CA Sampling Point: CC30
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.726767 Long: 118.177468 Datum:
Soil Map Unit Name: Rienhakel Sand 0-2 NWI classification: PEMA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes ✓ No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Herb Stratum (Plot size: ____)			
1. Juncus balticus	60	yes	FACW
2. Carex nebrascensis	30	yes	obl
3. Distichlis spicata	10	no	FAC
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
__ Prevalence Index is ≤3.0[1]
__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: CO30

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0–6	10YR2/2							
7–16	2.5Y4/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ✓ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric (US hydr. soils 1.5)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): 2

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TZRR Central Maint City/County: Tulare Sampling Date: 4/28/15
Applicant/Owner: SCE State: CA Sampling Point: CW31
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.729273 Long: 118.128545 Datum:
Soil Map Unit Name: Riemhabel sand 0-2 NWI classification: PEMA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes ✓ No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks:

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size:)			
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size:)			
1. Juncus balticus	60	yes	FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	60 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: OUT1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 4/1			6				

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric us hydric soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 3

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: JRR Control House City/County: Dyer Sampling Date: 4/28/17

Applicant/Owner: SCE State: CA Sampling Point: OC32

Investigator(s): S Jones Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR): D Lat: _____ Long: _____ Datum: _____

Soil Map Unit Name: Rienhard Sand c-2 NWI classification: PEMA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: _____)			
1. Juncus balticus	60		
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	60 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: ✓ (A)

Total Number of Dominant Species Across All Strata: ✓ (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 1 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

✓ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: CB32

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 3/1			40				

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric us hydric soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): _____

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 0-12

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Central Heritage City/County: Fresno Sampling Date: 5/28/17

Applicant/Owner: SCE State: CA Sampling Point: 0033

Investigator(s): Paullette Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR): D Lat: 36.731547 Long: -118.129446 Datum: _____

Soil Map Unit Name: Ramona fine sandy loam, 0-2% slopes NWI classification: PEMA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____ No ✓	
Wetland Hydrology Present?	Yes _____ No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: _____)			
1. Juncus balticus	40	yes	FACW
2. Distichlis spicata	40	yes	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	80 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

___ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: CC33

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 3/1			20				

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric as hydric soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ✓ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 2

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Control Haines City/County: Inyo Sampling Date: 4/28/15
Applicant/Owner: SCE State: CA Sampling Point: 0035
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.73404 Long: 118.13483 Datum:
Soil Map Unit Name: Winnedumah Fine Sandy Loam 0-2 NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks: Dist grazing

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size: ____)			
1. Juncus Balticus	50		FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	50 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: CU51

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric. ~~Soils~~ US hydric soils

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 1

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 6-12

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: JLRR Central Haines City/County: Inyo Sampling Date: 4/28/17
Applicant/Owner: ~~SCE~~ SCE State: CA Sampling Point: C036
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.735688 Long: 118.73516 S Datum:
Soil Map Unit Name: Menzaner silt loam c-2 NWI classification: PEMi
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____ No ____	**Is the Sampled Area within a Wetland?** Yes ____ No ____
Hydric Soil Present?	Yes ____ No ____	
Wetland Hydrology Present?	Yes ____ No ____	

Remarks:
along rd bed.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size: ____)			
1. Juncus balticus	70	yes	FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	= Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals:	(A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: CC036

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 5/1			20				

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric us hydric Soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 1

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TRR Central Haines City/County: Inyo Sampling Date: 4/28/17
Applicant/Owner: SCE State: CA Sampling Point: co37
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.74121 Long: 118.14396 Datum:
Soil Map Unit Name: Manzanar silt loam 0-2 NWI classification: PEMA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes ✓ No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks:

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size:)			
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size:)			
1. Juncus balticus	65	yes	FACW
2. Carex sp.	20	no	
3.			
4.			
5.			
6.			
7.			
8.			
	85 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum % Cover of Biotic Crust

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
__ Dominance Test is >50%
__ Prevalence Index is ≤3.0[1]
__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: C037

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric as hydric soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ✓ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Inverfebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): 2

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TRRR Control Haines City/County: Inyo Sampling Date: 4/28/17
Applicant/Owner: SCE State: CA Sampling Point: cc38
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.78270 8 Long: 118.14660 8 Datum:
Soil Map Unit Name: Manzanar silt loam 0-2 NWI classification: PEMI
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Herb Stratum (Plot size: ____)			
1. Juncus balticus	80	yes	FACW
2. Distichlis spicata	20	yes	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: CC 38

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 5/2						Sandy Loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric based on Manzana silt loam hydric is US hydric soils. Seasonal wetland.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): _____

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

disturbed pasture with grazing.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TRRP Central Hiwea City/County: Inyo Sampling Date: 4/28/17
Applicant/Owner: SCE State: CA Sampling Point: cc39
Investigator(s): S. Schor Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.782708 Long: 118.146008 Datum:
Soil Map Unit Name: Monzam s.l/t l cm a-2 NWI classification: PEMI
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes ✓ No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size:)			
1. Distichlis spicata	50	yes	FACW
2. Juncus sp	25	yes	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	75 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: a39

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 5/2						Sdy loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks: Soils considered hydric based on hydric soils list + evidence of hydric soils - hydrology

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): _____

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Central Haivee City/County: Inyo Sampling Date: 4/28/11
Applicant/Owner: SCE State: CA Sampling Point: CU40
Investigator(s): S. Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.78661 Long: 118.14715 Datum:
Soil Map Unit Name: Manecha silt loam 0-2 NWI classification: PEMJ
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ____ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Herb Stratum (Plot size: ____)			
1. Distichlis spicata	60	yes	FAC
2. Juncus sp	30	yes	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	90 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: CU40

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ____

Remarks:

Soils hydric US hydric Soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ____ No ____ Depth (inches): _____

Water Table Present? Yes ____ No ____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ____ No ____ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Central Hiwee City/County: Inyo Sampling Date: 4/28/17
Applicant/Owner: SCE State: CA Sampling Point: 0041
Investigator(s): S Jones Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.785746 Long: 118.147558 Datum:
Soil Map Unit Name: Manzana silt loam c-2 NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes No ✓
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size:)			
1. Distichlis spicata	40	yes	FAC
2. Juncus sp	20	yes	FACW
3. Atriplex sp	15	no	
4.			
5.			
6.			
7.			
8.			
	75 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum % Cover of Biotic Crust

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
Prevalence Index is ≤3.0[1]
Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: CC41

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y5/1						loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric as soils list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): _____

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Central Hdqrs City/County: Inyo Sampling Date: 4/28/10
Applicant/Owner: SCE State: CA Sampling Point: ecw2
Investigator(s): S Jens Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.786539 Long: 118.147786 Datum:
Soil Map Unit Name: Manzana silt loam e-2 NWI classification: PEMI

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____ No ____	**Is the Sampled Area within a Wetland?** Yes ____ No ____
Hydric Soil Present?	Yes ____ No ____	
Wetland Hydrology Present?	Yes ____ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Herb Stratum (Plot size: ____)			
1. N. stichis spicata	70	yes	FAC
2. Juncus sp	80	yes	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	85 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species ____	x 1 =	____
FACW species ____	x 2 =	____
FAC species ____	x 3 =	____
FACU species ____	x 4 =	____
UPL species ____	x 5 =	____
Column Totals: ____ (A)		____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
__ Prevalence Index is ≤3.0[1]
__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: ec42

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	2.5Y5/1						loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Soils hydric (US Soils 1.5)

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): _____

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Control Itinee City/County: Inyo Sampling Date: 4/28/17
Applicant/Owner: SCE State: CA Sampling Point: CC43
Investigator(s): S Jurs Section, Township, Range:
Landform (hillslope, terrace, etc.): [illegible] Local relief (concave, convex, none): Slope (%):
Subregion (LRR): D Lat: 36.776624 Long: 118.148971 Datum:
Soil Map Unit Name: McMacken silt loam NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No
Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No
Hydric Soil Present?	Yes	No ✓
Wetland Hydrology Present?	Yes	No ✓
Is the Sampled Area within a Wetland?	**Yes**	**No ✓**

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size:)			
1. Distichlis spicata	45	yes	FAC
2. Juncus balticus	30	yes	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	75 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum % Cover of Biotic Crust

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
__ Prevalence Index is ≤3.0[1]
__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No

Remarks:

SOIL

Sampling Point: CC43

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y5/1						loam Sandy	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

~~Hydric Soils confirmed Soil Survey~~

Hydric Soils confirmed Soil Survey

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): ___

Water Table Present? Yes ___ No ___ Depth (inches): ___

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): ___

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TCRR Central Haines City/County: Inyo Sampling Date: 4/28/15

Applicant/Owner: SCE State: CA Sampling Point: CUM4

Investigator(s): S Jones Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____

Subregion (LRR): D Lat: 36.79500 Long: 118.14792 Datum: _____

Soil Map Unit Name: Manzanar silt loam NWI classification: PEMA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: _____)			
1. Distichlis spicata	50	yes	FAC
2. Juncus sp.	20	yes	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	70 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

___ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: ecu4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y 5/1						Sandy loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Hydric Soils confirmed Soils survey + hydric list

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ✓ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): _____

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

W0045

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR/Contra Hallwee City/County: Inyo Sampling Date: 4/27/17

Applicant/Owner: _____ State: CA Sampling Point: _____

Investigator(s): SJ/DL Section, Township, Range: _____

Landform (hillslope, terrace, etc.): open/grassland Local relief (concave, convex, none): concave Slope (%): 0-2%

Subregion (LRR): Arid West Lat: 36.795132 Long: -118.150510 Datum: _____

Soil Map Unit Name: Manzanar silt loam NWI classification: PEMA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation NO, Soil NO, or Hydrology NO significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation NO, Soil NO, or Hydrology NO naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes X No _____	
Wetland Hydrology Present?	Yes X No _____	

Remarks:
Freshwater Emergent wetland

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1. Salix exigua	5	yes	FACW
2.			
3.			
4.			
5.			
	5 = Total Cover		
Herb Stratum (Plot size: _____)			
1. Juncus arcticus	40	yes	OBL
2. Distichlis spicata	45	yes	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	85 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 5 % Cover of Biotic Crust _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)

Total Number of Dominant Species Across All Strata: _____ (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

___ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No _____

Remarks:
Heavily grazed area

WC045

SOIL

Sampling Point: _____

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- X Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- X 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No _____

Remarks:

Hydric soils confirmed via online soils survey

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- X Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ____ Depth (inches): _____

Water Table Present? Yes ____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ____ Depth (inches): _____

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Hydrology slightly affected by ranching

W0047

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR/Control Hollwee City/County: Inyo Sampling Date: 4/28/17

Applicant/Owner: State: CA Sampling Point:

Investigator(s): Steve J. / P.L. Section, Township, Range:

Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): concave Slope (%):

Subregion (LRR): Lat: 36.880708 Long: -118.177137 Datum:

Soil Map Unit Name: Winnedumah silt NWI classification: PSSIC

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)

Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No

Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes √ No
Hydric Soil Present?	Yes X	No	
Wetland Hydrology Present?	Yes X	No	

Remarks:
Scrub/shrub seasonal wetland

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ø			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1. Salix exigua	10	yes	FACW
2. Tamarix sp.	65	yes	FAC
3. Ericameria nauseosa	5	no	UP
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size:)			
1. Distichlis spicata	10	yes	FAC
2. Typha	5	no	OBL
3.			
4.			
5.			
6.			
7.			
8.			
	= Total Cover		
Woody Vine Stratum (Plot size:)			
1. Ø			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 5 % Cover of Biotic Crust

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

X Dominance Test is >50%

__ Prevalence Index is ≤3.0[1]

__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No

Remarks:
East side willow and tamarix, West side same but w/ typha
H2O present both sides

W0047

SOIL

Sampling Point: _____

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No _____

Remarks:

hydric soils confirmed via online soil survey

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- X Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No ___ Depth (inches): _____

Water Table Present? Yes ___ No ___ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): _____

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

W0048

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR / control Hailwee City/County: INYO Sampling Date: 4/28/17

Applicant/Owner: _____ State: CA Sampling Point: _____

Investigator(s): RL / SJ Section, Township, Range: _____

Landform (hillslope, terrace, etc.): marsh / wetland Local relief (concave, convex, none): concave Slope (%): _____

Subregion (LRR): Arid West Lat: 36.896167 Long: -118.191971 Datum: _____

Soil Map Unit Name: Winnedumah silt loam NWI classification: PEM1A / PEM1F

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks:
Freshwater emergent wetland

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: _____)			
1. Ø			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1. Salix exigua	30	yes	FACW
2. Ericameria nauseosa	5	no	UP
3. Tamrix sp.	10	yes	FAC
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: _____)			
1. Typha	30	yes	OBL
2. Distichlis spicata	25	yes	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1. Ø			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species _____	x 1 =	_____
FACW species _____	x 2 =	_____
FAC species _____	x 3 =	_____
FACU species _____	x 4 =	_____
UPL species _____	x 5 =	_____
Column Totals: _____ (A)		_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

X Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No _____

Remarks:
very dense area

W0048

SOIL

Sampling Point: _____

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR2/2							
5-16	2.5Y2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- X Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- X Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No _____

Remarks:

Hydric soils confirmed per web soil survey

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No _____ Depth (inches): _____

Water Table Present? Yes _____ No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No _____ Depth (inches): _____

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

W0049

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR/control Haiwee City/County: Inyo Sampling Date: 4/28/17

Applicant/Owner: State: CA Sampling Point:

Investigator(s): PL/SJ Section, Township, Range:

Landform (hillslope, terrace, etc.): open/grassland Local relief (concave, convex, none): none Slope (%):

Subregion (LRR): Arid West Lat: 36.961987 Long: -118.183968 Datum:

Soil Map Unit Name: Division - Numu complex NWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)

Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No

Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No	**Is the Sampled Area within a Wetland?** Yes No
Hydric Soil Present?	Yes No	
Wetland Hydrology Present?	Yes X No	

Remarks:
seasonally flooded area, possibly manipulated from adjacent river

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ø			
2.			
3.			
4.			
= Total Cover			
Sapling/Shrub Stratum (Plot size:)			
1. Ø			
2.			
3.			
4.			
5.			
= Total Cover			
Herb Stratum (Plot size:)			
1. Distichlis spicata		yes	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
= Total Cover			
Woody Vine Stratum (Plot size:)			
1.			
2.			
= Total Cover			

% Bare Ground in Herb Stratum % Cover of Biotic Crust

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: (A)

Total Number of Dominant Species Across All Strata: (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ Dominance Test is >50%
- ___ Prevalence Index is ≤3.0[1]
- ___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No

Remarks:
Other herbaceous plants not identifiable, already died back

W 0049

SOIL

Sampling Point: _____

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR2/2							
5-16	2.5Y2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- X ~~Hydrogen Sulfide (A4)~~
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- X Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** ✓ **No** _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- X Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No _____ Depth (inches): _____

Water Table Present? Yes _____ No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No _____ Depth (inches): _____

Wetland Hydrology Present? **Yes** ✓ **No** _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

adjacent to river, possible overflow/flooding

W0051

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRP/Central Hallwee City/County: Inyo Sampling Date: 4/28/17

Applicant/Owner: _____ State: CA Sampling Point: _____

Investigator(s): DL/SJ Section, Township, Range: _____

Landform (hillslope, terrace, etc.): wetland Local relief (concave, convex, none): concave Slope (%): 0-2%

Subregion (LRR): Arid West Lat: _____ Long: _____ Datum: _____

Soil Map Unit Name: Division-Numu complex NWI classification: PSSIA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No _____

Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes X No _____	
Wetland Hydrology Present?	Yes X No _____	

Remarks:
Freshwater shrub wetland

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ø			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1. Salix exigua	25	yes	FACW
2. Ericameria nauseosa	10	no	UP
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size: _____)			
1. Distichlis spicata	35	yes	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	= Total Cover		
Woody Vine Stratum (Plot size: _____)			
1. Ø			
2.			
	60 = Total Cover		

% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

X Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No _____

Remarks:
Sandbar willow scrub habitat

W0051

SOIL

Sampling Point: _____

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR2/2							
5-16	2.5Y2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- X Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- X Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No _____

Remarks:

Hydric soil type

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes X No _____ Depth (inches): 0

Water Table Present? Yes _____ No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): 0

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Temp flooded?

W0052

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR / control Haiwee City/County: Inyo Sampling Date: 9/28/17

Applicant/Owner: State: CA Sampling Point:

Investigator(s): RL/SJ Section, Township, Range:

Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%): 0-2%

Subregion (LRR): Arid West Lat: 36.970275 Long: -118.205174 Datum:

Soil Map Unit Name: Torrifluvents-Fluvaquentic Endoaquolls complex NWI classification: PEM1A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)

Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No ____

Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes X No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks:
Freshwater Emergent wetland

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ø			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: ____)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size: ____)			
1. Distichlis spicata	65	yes	FAC
2. Typha sp.	15	yes	OBL
3. Carex sp.	10	yes	OBL
4.			
5.			
6.			
7.			
8.			
	80 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 20 % Cover of Biotic Crust ____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:

X Dominance Test is >50%

__ Prevalence Index is ≤3.0[1]

__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No ____

Remarks:
carex and typha not identifiable to species, no seed heads present

WOOS2

SOIL

Sampling Point: _____

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	2.5Y 2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- X Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No _____

Remarks:

Hydric soils confirmed by web soil survey

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- X Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- X Salt Crust (B11)
- X Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No _____ Depth (inches): _____

Water Table Present? Yes _____ No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): _____

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Wetland area adjacent to river channel

W0053

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR/control Hdlwea City/County: Inyo Sampling Date: 5/17

Applicant/Owner: State: CA Sampling Point:

Investigator(s): PL/SJ Section, Township, Range:

Landform (hillslope, terrace, etc.): Ø Local relief (concave, convex, none): concave Slope (%): 0-2%

Subregion (LRR): Arid West Lat: 36.990142 Long: -118.213005 Datum:

Soil Map Unit Name: Torriorthents Ø NWI classification: PEMIC/PEMIA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)

Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No

Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No	**Is the Sampled Area within a Wetland?** Yes X No
Hydric Soil Present?	Yes ✓ No	
Wetland Hydrology Present?	Yes ✓ No	

Remarks:
Freshwater emergent wetland along Access Road

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ø			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1. Atriplex			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size:)			
1. Distichlis spicata	80	yes	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	= Total Cover		
Woody Vine Stratum (Plot size:)			
1. Ø			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 5 % Cover of Biotic Crust

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: (A)

Total Number of Dominant Species Across All Strata: (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ___ Dominance Test is >50%
- ___ Prevalence Index is ≤3.0[1]
- ___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No

Remarks:

SOIL

Sampling Point: _____

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR2/2							
5-16	2.5Y2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- X Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No _____

Remarks:

yes, hydric soil

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- X Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- X Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✓ No _____ Depth (inches): _____

Water Table Present? Yes _____ No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No _____ Depth (inches): _____

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

seasonally flooded

W0054

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR/Control Haiwee City/County: Inyo Sampling Date: 5/2/17

Applicant/Owner: _____ State: CA Sampling Point: _____

Investigator(s): PL/SJ Section, Township, Range: _____

Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): none Slope (%): 0

Subregion (LRR): Arid West Lat: 37.000356 Long: -118.217373 Datum: _____

Soil Map Unit Name: Torrifluvents / Fluvaquentic Endoaquals NWI classification: PEM1C / PEM1F

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)

Are Vegetation N, Soil N, or Hydrology N significantly disturbed? NO Are "Normal Circumstances" present? Yes X No _____

Are Vegetation N, Soil N, or Hydrology N naturally problematic? NO (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes X No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks:
Freshwater Emergent wetland

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: _____)			
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: _____)			
1. Atriplex Confertifolia			UP
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: _____)			
1. Distichlis Spicata		yes	FAC
2. Anemopsis californica		yes	OB
3.			
4.			
5.			
6.			
7.			
8.			
	_____ = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1. Ø			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum _____ % Cover of Biotic Crust _____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

X Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No _____

Remarks:

WO054

SOIL

Sampling Point: _____

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 2/2							
5-16	2.5Y 2.5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- X Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No _____

Remarks:

Hydric soil type per websoil survey

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes X No _____ Depth (inches): _____

Water Table Present? Yes _____ No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Palustrine/emergent/Persistent/seasonally flooded

W0055

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR / Control Haiwee City/County: Big Pine / Inyo Sampling Date: 5/03/17
Applicant/Owner: SCE State: CA Sampling Point:
Investigator(s): PL / SJ Section, Township, Range:
Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): none Slope (%): 0%
Subregion (LRR): Arid West Lat: 37.181179 Long: -118.313981 Datum:
Soil Map Unit Name: Dehy sandy loam, loamy substratum NWI classification: R4SBC
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Area within a Wetland? Yes X No
Hydric Soil Present?	Yes No	
Wetland Hydrology Present?	Yes X No	

Remarks:
Area used for grazing cows / Riparian Forest hab.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix lasiandra	30	yes	FACW
2. Salix exigua	25	yes	FACW
3.			
4.			
	55 = Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1. Ericameria nauseosa	15	NO	UP
2.			
3.			
4.			
5.			
	15 = Total Cover		
Herb Stratum (Plot size:)			
1. Sporobolus airoides	30	yes	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	30 = Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum ____ % Cover of Biotic Crust ____

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
X Dominance Test is >50%
__ Prevalence Index is ≤3.0[1]
__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No

Remarks:
Area manipulated / affected by grazing and Transmission line

WOCSS

SOIL

Sampling Point: _____

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No _____

Remarks:

seasonally flooded area w/in riperian area

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes X No _____ Depth (inches): _____

Water Table Present? Yes X No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): _____

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Very saturated ground but no sign of channel/flow

W0056

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRP/control/Haiwee City/County: Big Pine/Inyo Sampling Date: 5/3/17

Applicant/Owner: State: CA Sampling Point:

Investigator(s): Davette Labet Section, Township, Range:

Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): none Slope (%): 0-2%

Subregion (LRR): Arid West Lat: 37.187016 Long: -118.317028 Datum:

Soil Map Unit Name: Westguard Riverbed assoc a:2 NWI classification: PEMIA

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)

Are Vegetation N, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No

Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X No	**Is the Sampled Area within a Wetland?** Yes X No
Hydric Soil Present?	Yes X No	
Wetland Hydrology Present?	Yes X No	

Remarks:
Emergent/marsh wetlands whole area has been effected by ranches changing the channels upstream

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix exigua	20	yes	FACW
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:)			
1. Ericameria nauseosa	5	NO	UP
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size:)			
1. Sperobolus airoides	50	yes	FAC
2. Juncus sp.	15	yes	FACW
3. Carex sp.	10	yes	OBL
4.			
5.			
6.			
7.			
8.			
	= Total Cover		
Woody Vine Stratum (Plot size:)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 10 % Cover of Biotic Crust

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 80 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

X Dominance Test is >50%

__ Prevalence Index is ≤3.0[1]

__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No

Remarks:
area disturbed by grazing

W0056

SOIL

Sampling Point: _____

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 5/1							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes X No _____

Remarks:

could not access area, on private farm, no SCE Gates/locks

Soil web survey = Shondaw - Hessica association (Soil Hydric US hydric soils list) Hydric Soil

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- X Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No X Depth (inches): _____

Water Table Present? Yes _____ No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes X No _____ Depth (inches): _____

Wetland Hydrology Present? Yes X No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Area appears to be temporarily flooded

R0055OH

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: SCE TERF CONTROL HARVEST
Project Number: R0055OH
Stream: UNNAMED / DITCH
Investigator(s): J. TALLIS, KIMOUA

Date: 5/2/2018 **Time:** 11:30
Town: BIG PINE / INYO COUNTY **State:** CA
Photo begin file#: In Collector App **Photo end file#:**

Y ☒ / N ☐ Do normal circumstances exist on the site?

Y ☐ / N ☒ Is the site significantly disturbed?

Location Details:
DITCH RUNS PARALLEL TO COUNTY ROAD

Projection: **Datum:**
Coordinates: LAT: 37.16212177, LONG: -118.31412157

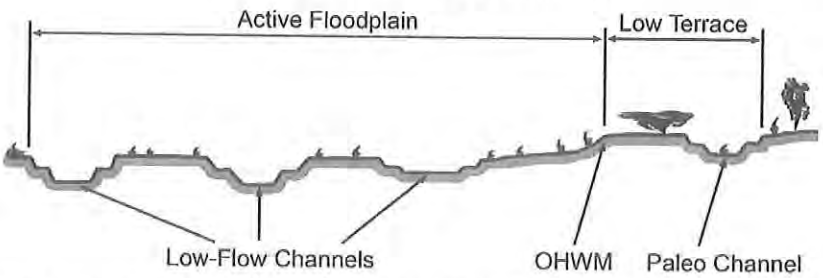
Potential anthropogenic influences on the channel system:
CHANNEL IS A ROAD SIDE DITCH, THAT APPEARS TO BE PERIODICALLY DREDGED

Brief site description:
DRY ROAD DITCH THAT RUNS PARALLEL TO COUNTY ROAD WHERE ALIGNMENT IS LOCATED.

Checklist of resources (if available):

- ☐ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units



Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☐ Digitized on computer
   - ☒ GPS
   - ☐ Other:

Project ID: TLRR -CH **Cross section ID:** R0055OH **Date:** 5/2/18 **Time:** 1130

Cross section drawing:

OHWM

GPS point: GPS ON COLLECTOR APP

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [x] Change in vegetation cover
- [ ] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

WEST SIDE OF UNNAMED STREAM/DITCH BERMED UP FROM DREDGING

Floodplain unit:

- [ ] Low-Flow Channel
- [x] Active Floodplain
- [ ] Low Terrace

GPS point: GPS ON COLLECTOR APP

Characteristics of the floodplain unit:

Average sediment texture: SAND + COBBLE

Total veg cover: 10 % Tree: 10 % Shrub: ϕ % Herb: ϕ %

Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [x] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [x] Drift and/or debris
- [x] Presence of bed and bank
- [x] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR-Central Haiwee
Project Number: R00840H
Stream: Unnamed playa
Investigator(s): J. Tallis

Date: 6/6/2018 **Time:** 0900
Town: Aberdeen **State:** CA
Photo begin file#: Collector Online **Photo end file#:**

Y [X] / N [ ] Do normal circumstances exist on the site?

Y [ ] / N [X] Is the site significantly disturbed?

Location Details:
Playa in Owens River terrace

Projection: Lat. **Datum:** -118.1865
Coordinates: 36.91072433° Long: 4672°

Potential anthropogenic influences on the channel system:
None visible but roads in vicinity may affect hydrology

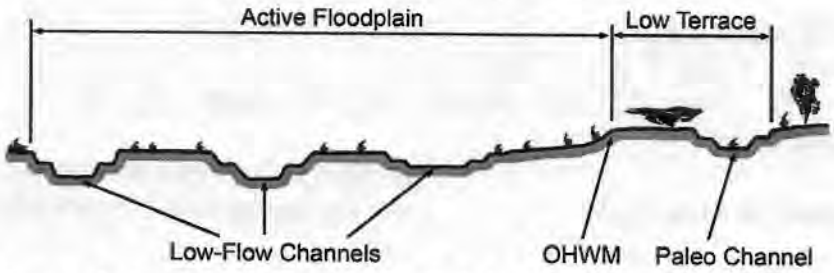
Brief site description: Site is a multi acre playa in the Owens Valley and likely on a Owens River terrace.

Checklist of resources (if available):

- [✓] Aerial photography
  Dates: 2018
- [ ] Topographic maps
- [✓] Geologic maps
- [ ] Vegetation maps
- [✓] Soils maps
- [ ] Rainfall/precipitation maps
- [ ] Existing delineation(s) for site
- [ ] Global positioning system (GPS)
- [ ] Other studies
- [ ] Stream gage data
  Gage number:
  Period of record:
- [ ] History of recent effective discharges
- [ ] Results of flood frequency analysis
- [ ] Most recent shift-adjusted rating
- [ ] Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Soil: Mazourka-slickspots-Cajon Complex 0-2% slopes

Hydrogeomorphic Floodplain Units

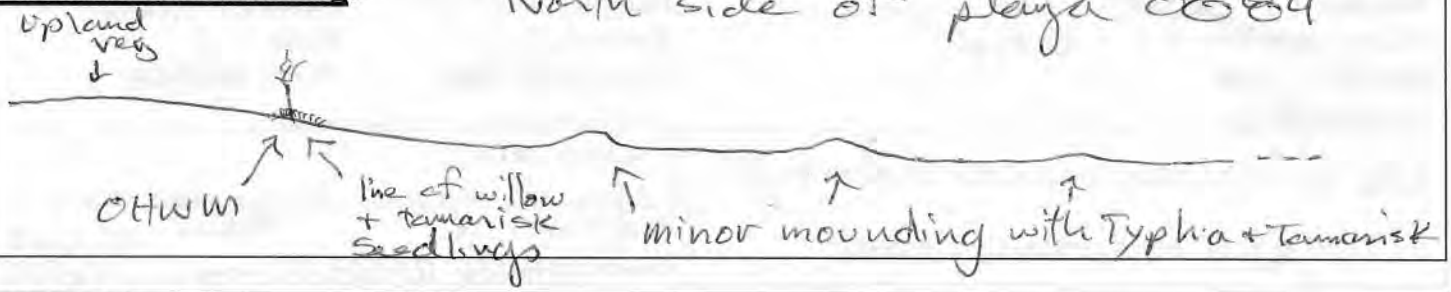


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - [ ] Mapping on aerial photograph
   - [✓] GPS
   - [ ] Digitized on computer
   - [ ] Other:

Project ID: R0084OH **Cross section ID:** **Date:** 6/6/2018 **Time:** 0900

Cross section drawing: North side of playa 00084



OHWM

GPS point: GPS unit line

Indicators:

- [x] Change in average sediment texture
- [x] Change in vegetation species
- [x] Change in vegetation cover
- [ ] Break in bank slope
- [x] Other: wrack line
- [ ] Other: _____

Comments: Above OHWM veg: Ericameria nauseosa, Sporobolus airoides, Atriplex spinifera, Sarcobatus vermiculatus
Below OHWM veg: Tamarix sp, Salix goodingii, Typha latifolia, Malva sp, Heliotropium

Floodplain unit:

- [ ] Low-Flow Channel
- [x] Active Floodplain
- [ ] Low Terrace

GPS point: GPS unit

Characteristics of the floodplain unit:

Average sediment texture: Silty clay

Total veg cover: ____ % Tree: 0 % Shrub: 7 % Herb: 3 %

Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [x] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [x] Mudcracks
- [ ] Ripples
- [x] Drift and/or debris
- [ ] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [x] Other: Mud flat/playa
- [ ] Other: _____
- [ ] Other: _____

Comments:

active floodplain is generally barren cracked mud flat/playa with occasional "islands" of veg.

NWI = PSS1J

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR - Control Haiwee City/County: Olancha / Inyo Sampling Date: 5/3/2018
Applicant/Owner: SCE State: CA Sampling Point: R0007U
Investigator(s): J. Tallis, K. Mousa Section, Township, Range: —
Landform (hillslope, terrace, etc.): Small hill top Local relief (concave, convex, none): _____ Slope (%): 1%
Subregion (LRR): D Lat: 36.304659° Long: -118.011819° Datum: WGS84
Soil Map Unit Name: Cajon-Typic Torriorthents complex, 0-5% NWI classification: L2USJ
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ___ No ✓	Is the Sampled Area within a Wetland? Yes ___ No ✓
Hydric Soil Present?	Yes ___ No ✓	
Wetland Hydrology Present?	Yes ___ No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: —)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	___ = Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Sarcobatus vermiculatus	15	Y	FACU
2.			
3.			
4.			
5.			
	15 = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Eriogonum inflatum	4	Y	NL
2. Mentzelia albicaulis	4	Y	NL
3.			
4.			
5.			
6.			
7.			
8.			
	8 = Total Cover		
Woody Vine Stratum (Plot size: —)			
1.			
2.			
	___ = Total Cover		

% Bare Ground in Herb Stratum 90 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species 15	x 4 =	60
UPL species	x 5 =	
Column Totals:	(A)	(B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ___ No ✓

Remarks:

SOIL

Sampling Point: R0007U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	7.5YR 6/3	100					Sand	with coarse sand and gravel

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR - Control Haiwee City/County: Olancha/Inyo Sampling Date: 5/3/2018
Applicant/Owner: SCE State: CA Sampling Point: R0007W
Investigator(s): J. Tallis, K. Mora Section, Township, Range: –
Landform (hillslope, terrace, etc.): Lake bottom Local relief (concave, convex, none): _____ Slope (%): 0%
Subregion (LRR): D Lat: 36.296108° Long: -118.003801° Datum: WGS84
Soil Map Unit Name: Aquents-Aquic torripsamments, 0-2% slopes NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ~)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ~)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Distichlis spicata	75	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	75 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum 25 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: R0007W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	Gley 1 6/5GY	100					SL	
4-12	Gley 1 6/5GY	90	5YR 6/5	10	C	M	SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ✓ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ✓ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR-Control Heinwel City/County: Cartago/Inyo Sampling Date: 5/3/2018
Applicant/Owner: SCE State: CA Sampling Point: R0008U
Investigator(s): J. Tallis, K. Moua Section, Township, Range: –
Landform (hillslope, terrace, etc.): Gentle hillslope Local relief (concave, convex, none): _____ Slope (%): 3
Subregion (LRR): D Lat: 36.32367167 Long: -118.02006667 Datum: _____
Soil Map Unit Name: Typic Psammaquents, 0-2% slopes NWI classification: L2USA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____ No ✓	Is the Sampled Area within a Wetland? Yes _____ No ✓
Hydric Soil Present?	Yes _____ No ✓	
Wetland Hydrology Present?	Yes _____ No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Ericameria nauseosa	60	Y	UPL
2. Atriplex lentiformis	10	N	FAC
3.			
4.			
5.			
	70 = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Distichlis spicata	50	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	50 = Total Cover		
Woody Vine Stratum (Plot size: ✓)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 50 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species 0	x 1 = 0
FACW species 0	x 2 = 0
FAC species 60	x 3 = 180
FACU species 0	x 4 = 0
UPL species 60	x 5 = 300
Column Totals: 120 (A)	480 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

SOIL

Sampling Point: R00084

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR 6/6	100					SL	
6-10	7.5YR 5/4	100					SiL	
Below 10" refusal								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR-Control Haiwee City/County: Cartago/Inyo Sampling Date: 5/3/2018
Applicant/Owner: SCE State: CA Sampling Point: R0008W
Investigator(s): J. Tallis, K. Mora Section, Township, Range: –
Landform (hillslope, terrace, etc.): Lake terrace Local relief (concave, convex, none): _____ Slope (%): 0-1%
Subregion (LRR): D Lat: 36.32331560 Long: -118.02005575 Datum: WGS84
Soil Map Unit Name: Typic Psammaquents, 0-2% slopes NWI classification: L2USA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	Is the Sampled Area within a Wetland? Yes ✓ No _____
Hydric Soil Present?	Yes ✓	No _____	
Wetland Hydrology Present?	Yes ✓	No _____	

Remarks: Sample on edge of wetland. It was intended as an upland sample but soil turned out to be hydric.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Atriplex lenticularis	15	Y	FAC
2.			
3.			
4.			
5.			
	15 = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Distichlis spicata	50	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	50 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 40 % Cover of Biotic Crust Ø

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: R0008W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	7.5YR 5/4	100					SL	
8-12	Gley1 7/N	92	10YR 6/6	8	C/CS	M	SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ✓ Salt Crust (B11)
- ✓ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Area around nearby tower is disturbed by presumed tower maintenance and as a local hang out. Minimal biotic crust present.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR – Control Haiwee City/County: Lone Pine / Inyo Sampling Date: 6/4/2018
Applicant/Owner: SCE State: CA Sampling Point: R0017U
Investigator(s): J. Tallis Section, Township, Range: –
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): Flat Slope (%): 0–1%
Subregion (LRR): D Lat: 36.68404707° Long: -118.10371015° Datum: WGS84
Soil Map Unit Name: Cartago gravelly loamy sand, 2-5% slope NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ____ No ✓
Hydric Soil Present?	Yes ____ No ✓	
Wetland Hydrology Present?	Yes ____ No ✓	

Remarks: Located on edge of large wetland complex. Sample on margin between Cartago gravelly loamy sand and Manzanar silt loam (a hydric soil type).

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Atriplex canescens	25	Y	OBL
2. Sarcobatus vermiculatus	5	N	FACU
3.			
4.			
5.			
	30 = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Distichlis spicata	50	Y	FAC
2. Suaeda nigra	3	N	OBL
3.			
4.			
5.			
6.			
7.			
8.			
	53 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 47 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
__ Prevalence Index is ≤3.0[1]
__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: R0017U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-16	7.5YR 5/3	100					SL	Below 6" there is increasing fine gravel

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ____ No ✓

Remarks:

See general remarks

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ____ No ✓ Depth (inches): _____

Water Table Present? Yes ____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: ILRR - Control Runoff City/County: Lone Pine / Inyo Sampling Date: 6/5/2018
Applicant/Owner: SCE State: CA Sampling Point: R00364
Investigator(s): J. Tallis Section, Township, Range: –
Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): None Slope (%): 0-1%
Subregion (LRR): D Lat: 36.738439911 Long: -118.13214714 Datum: –
Soil Map Unit Name: Manzanar silt loam 0-2 NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No ✓	Is the Sampled Area within a Wetland? Yes ____ No ✓
Hydric Soil Present?	Yes ____	No ✓	
Wetland Hydrology Present?	Yes ____	No ✓	

Remarks: Sample located on edge of drainage above ordinary high water mark.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 10m²)			
1. Ericameria nauseosa	25	Y	UPL
2. Atriplex torreyi	30	Y	FACU
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Distichlis spicata	40	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	40 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	0 = Total Cover		

% Bare Ground in Herb Stratum 60 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	0	x 1 =
FACW species	0	x 2 =
FAC species	40	x 3 = 120
FACU species	30	x 4 = 120
UPL species	25	x 5 = 125
Column Totals:	95 (A)	365 (B)

Prevalence Index = B/A = 3.84

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks:

SOIL

Sampling Point: R00364

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	7.5YR 4/4	100					Sandy loam	
5-14	7.5YR 5/3	100					Sandy loamy	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ____ No ✓

Remarks:

Sample taken along creek and doesnt have Minzaman silty loam 0-2% hydric soil characteristics

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ____ No ✓ Depth (inches): _____

Water Table Present? Yes ____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR - Central Haiwee City/County: Lone Pine/Inyo Sampling Date: 6/5/2018
Applicant/Owner: SCE State: CA Sampling Point: B003642
Investigator(s): J. Tallis Section, Township, Range: –
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): none Slope (%): 0-1%
Subregion (LRR): D Lat: 36.73797363 Long: -118.13206053 Datum: WGS84
Soil Map Unit Name: Manzanar Silt Loam, 0-2% slope NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	Is the Sampled Area within a Wetland? Yes ____ No ✓
Hydric Soil Present?	Yes ____ No ✓	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks: Area is heavily grazed but important characteristics are still visible.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: –)			
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Distichlis spicata	40	Y	FAC
2. Suaeda nigra	20	Y	OBL
3. Sporobolus airoides	15	Y	FAC
4.			
5.			
6.			
7.			
8.			
	75 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum 25 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks: Salix exigua and S. goodingii abundant along channel north of wetland sample.

SOIL

Sampling Point: R003642

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-14	7.5YR 4/4	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ____ No ✓

Remarks: Soil type is hydric type but no wetland indicators

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ____ No ✓ Depth (inches): _____

Water Table Present? Yes ____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Control-Haiwee City/County: Lone Pine/Inyo Sampling Date: 6/5/2018
Applicant/Owner: SCE State: CA Sampling Point: R0037U
Investigator(s): J. Tallis Section, Township, Range: --
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): Flat Slope (%): 0
Subregion (LRR): D Lat: 36.7780760l Long: -118.14519187 Datum: _____
Soil Map Unit Name: Manzanar Silt Loam 0-2% NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	Is the Sampled Area within a Wetland? Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: --)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: 10 M²)			
1. Ericameria nauseosa	50	Y	UPL
2.			
3.			
4.			
5.			
	50 = Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Sporobolus airoides	50	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	50 = Total Cover		
Woody Vine Stratum (Plot size: --)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum 25 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species 50	x 3 =	150
FACU species	x 4 =	
UPL species 50	x 5 =	250
Column Totals: 100 (A)		400 (B)

Prevalence Index = B/A = 4.0

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

SOIL

Sampling Point: RØØ37U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	2.5Y 3/2	100					SiL	
8-16	2.5Y 2.5/1	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (LRR C)
- ___ 1 cm Muck (A9) (LRR D)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (LRR C)
- ___ 2 cm Muck (A10) (LRR B)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ____ No ✓

Remarks:

Manzanar silt loam 0-2% is a hydric soil type but no indicators observed.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (Nonriverine)
- ___ Sediment Deposits (B2) (Nonriverine)
- ___ Drift Deposits (B3) (Nonriverine)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (Riverine)
- ___ Sediment Deposits (B2) (Riverine)
- ___ Drift Deposits (B3) (Riverine)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ____ No ✓ Depth (inches): _____

Water Table Present? Yes ____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: ILRR Central Haiwee City/County: Lone Pine / Inyo Sampling Date: 4/5/2018
Applicant/Owner: SCE State: CA Sampling Point: R0037W
Investigator(s): J. Tallis Section, Township, Range: --
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): none Slope (%) 0-1%
Subregion (LRR): D Lat: 36.7760776 Long: -118.1450426 Datum:
Soil Map Unit Name: Manzanar Silt Loam 0-2% NWI classification: PEM1B
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ✓ No ____
Hydric Soil Present? Yes ✓ No ____
Wetland Hydrology Present? Yes ✓ No ____
Is the Sampled Area within a Wetland? Yes ✓ No ____

Remarks: Cattle disturbance present but indicators visible.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: —)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: —)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Sporobolus airoides	35	Y	FAC
2. Distichlis spicata	35	Y	FAC
3. Juncus balticus	30	Y	FACW
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: —)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 0 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
__ Prevalence Index is ≤3.0[1]
__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: R0037W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	2.5Y 3/2	100					SiL	
10-15	2.5Y 3/2	98	2.5Y 7/8	2	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Manzanar silt loam 0-2% hydric soil.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ✓ Water-Stained Leaves (B9)
- ✓ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

water stained leaves visible in tire ruts on dirt road about 5 ft from sample

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR-CH City/County: Lone Pine / Inyo Sampling Date: 6/5/2018
Applicant/Owner: SCE State: CA Sampling Point: R0038U
Investigator(s): J. Tallis Section, Township, Range: –
Landform (hillslope, terrace, etc.): Flat, Valley bottom Local relief (concave, convex, none): None Slope (%): 0
Subregion (LRR): D Lat: 36.78220437 Long: -118.14643090 Datum:
Soil Map Unit Name: Manzanar silt loam 0-2% NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ____	No ✓	Is the Sampled Area within a Wetland? Yes ____ No ✓
Hydric Soil Present?	Yes ✓	No ____	
Wetland Hydrology Present?	Yes ____	No ✓	

Remarks: Grazing disturbance visible but conditions are suitable to characterize hydro + veg.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: 10m²)			
1. Atriplex torreyi	45	Y	FACU
2. Ericameria nauseosa	5	N	UPL
3. Atriplex polycarpa	5	N	FACU
4. Suaeda nigra	5	N	OBL
5.			
	60 = Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Sporobolus airoides	60	Y	FAC
2. Juncus arcticus balticus	5	N	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	65 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum 20 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	5	x 1 =	5
FACW species	5	x 2 =	10
FAC species	60	x 3 =	180
FACU species	50	x 4 =	200
UPL species	5	x 5 =	25
Column Totals:	125 (A)		420 (B)

Prevalence Index = B/A = 3.36

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks:
Many Pluchea sericea (FACW) nearby in wet low spots that have been cut apparently by rancher.

SOIL

Sampling Point: R00384

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Redox Features Type[1]	Redox Features Loc[2]	Texture	Remarks
0-14	7.5YR 3/2	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks: Manzanar silt loam 0-2% slope is a hydric soil type

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ___ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

6/5/2018

Project/Site: TLRR CH City/County: Lone Pine / Inyo Sampling Date: R0042W

Applicant/Owner: SCE State: CA Sampling Point: ↓

Investigator(s): J. Tallis Section, Township, Range: —

Landform (hillslope, terrace, etc.): Valley Bottom Local relief (concave, convex, none): Hummocky Slope (%): 0-1

Subregion (LRR): D Lat: 36.787203 16 Long: -118.1479967 6 Datum: WGS84

Soil Map Unit Name: Manzanar Silt Loam 0-2% NWI classification:

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ✓ No _____

Hydric Soil Present? Yes ✓ No _____

Wetland Hydrology Present? Yes ✓ No _____

Is the Sampled Area within a Wetland? Yes ✓ No _____

Remarks: Area heavily grazed but wetland indicators still visible. Veg cover likely higher without grazing

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: —)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: —)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Distichlis spicata	40	Y	FAC
2. Suaeda nigra	40	Y	OBL
3.			
4.			
5.			
6.			
7.			
8.			
	40 = Total Cover		
Woody Vine Stratum (Plot size: —)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 10 % Cover of Biotic Crust 0

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:

✓ Dominance Test is >50%

___ Prevalence Index is ≤3.0[1]

___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks: Veg cover could be higher in absence of grazing. Many Pluchea sericea in vicinity and many stumps where cut apparently to improve grazing habitat.

SOIL

Sampling Point: R004ZW

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-14	7.5YR 3/2	100					Silt Loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Area is Manzanar Silt Loam (0-2%) hydric soils

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ✓ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

During winter area would be saturated at times. Cattle hoof prints still present in dried mud.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR – Control Haiwee City/County: Aberdeen/Inyo Sampling Date: 6/6/2018
Applicant/Owner: SCE State: CA Sampling Point: R0049V
Investigator(s): J. Tallis Section, Township, Range: –
Landform (hillslope, terrace, etc.): Terrace/dune Local relief (concave, convex, none): _____ Slope (%): 0
Subregion (LRR): D Lat: 36.90121779 Long: -118.18335452 Datum: WGS84
Soil Map Unit Name: Mazourka hard substratum – * NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	Is the Sampled Area within a Wetland? Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks: * Mazourka-Eclipse complex, 0-2% slopes.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 10m²)			
1. Ericameria nauseosa	40	Y	UPL
2. Sarcobatus vermiculatus	5	N	FACW
3.			
4.			
5.			
	45 = Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Sporobolus airoides	30	Y	FAC
2. Heliotropium curassicum	14	Y	FACW
3. Tamarisk sp (seedlings)	10	N	FAC
4. Distichlis spicata	7	N	FAC
5.			
6.			
7.			
8.			
	61 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 30 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 33 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species 47	x 3 = 141
FACU species 19	x 4 = 76
UPL species 40	x 5 = 200
Column Totals: 106 (A)	417 (B)

Prevalence Index = B/A = 3.9

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

SOIL

Sampling Point: R0049U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-14	5Y 5/3	100					Sandy loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (LRR C)
- ___ 1 cm Muck (A9) (LRR D)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (LRR C)
- ___ 2 cm Muck (A10) (LRR B)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (Nonriverine)
- ___ Sediment Deposits (B2) (Nonriverine)
- ___ Drift Deposits (B3) (Nonriverine)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (Riverine)
- ___ Sediment Deposits (B2) (Riverine)
- ___ Drift Deposits (B3) (Riverine)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR-Control Haiwee City/County: Aberdeen / Inyo Sampling Date: 6/6/2018
Applicant/Owner: SCE State: CA Sampling Point: R0049W
Investigator(s): J. Tallis Section, Township, Range: –
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, (none)): – Slope (%): 2%
Subregion (LRR): D Lat: 36.901688490 Long: -118.18347519 Datum: WGS84
Soil Map Unit Name: Division-Numu complex, 0-2% slopes NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	Is the Sampled Area within a Wetland? Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Tamarix sp.	40	Y	FAC
2. Ericameria nauseosa	25	Y	UPL
3.			
4.			
5.			
	65 = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Distichlis spicata	20	Y	FAC
2. Malva parviflora	5	N	NL
3. Pseudognaphalium sp	2	N	–
4.			
5.			
6.			
7.			
8.			
	27 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum 70 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 66 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
__ Prevalence Index is ≤3.0[1]
__ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
__ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: R0049W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Redox Features Type[1]	Redox Features Loc[2]	Texture	Remarks
0-10	5Y 5/2	100					Sandy loam	
10-15	Gley1 5/10GY	100					Sandy clay loam	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (LRR C)
- ___ 1 cm Muck (A9) (LRR D)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ✓ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (LRR C)
- ___ 2 cm Muck (A10) (LRR B)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ✓ Saturation (A3)
- ___ Water Marks (B1) (Nonriverine)
- ___ Sediment Deposits (B2) (Nonriverine)
- ___ Drift Deposits (B3) (Nonriverine)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (Riverine)
- ___ Sediment Deposits (B2) (Riverine)
- ___ Drift Deposits (B3) (Riverine)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 10

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Saturation and high water table likely more in winter spring.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR-Control Haiwee City/County: Aberdeen / Inyo Sampling Date: 5/2/2018
Applicant/Owner: SCE State: CA Sampling Point: R0053W1
Investigator(s): J. Tallis, K. Mona Section, Township, Range: —
Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): _____ Slope (%): 0-1%
Subregion (LRR): D Lat: 36.989450° Long: -118.212833 Datum: WGS84
Soil Map Unit Name: Torriorthents 0-2% slopes NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ✓ No _____
Hydric Soil Present? Yes ✓ No _____
Wetland Hydrology Present? Yes ✓ No _____
Is the Sampled Area within a Wetland? Yes ✓ No _____

Remarks: Playa wetland surrounded by PSS1A area.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: —)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: —)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Distichlis spicata	20	Y	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	20 = Total Cover		
Woody Vine Stratum (Plot size: —)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum 80% % Cover of Biotic Crust likely present

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 1 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: R10053WJ

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	Gley 1 7/0	100					SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ✓ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks: Soil is hydric soil type: Torrifluvents 0-2% slope Site in playa feature.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ✓ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR-Control Haimee City/County: Aberdeen / Inyo Sampling Date: 5/2/2018
Applicant/Owner: SCE State: CA Sampling Point: RD053W2
Investigator(s): J. Tallis, K. Moya Section, Township, Range: –
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): _____ Slope (%): 0-1%
Subregion (LRR): D Lat: 36.982104° Long: -118.209626° Datum: WGS84
Soil Map Unit Name: Torrifluvents- 0-2% slopes NWI classification: PSS1A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ✓ No _____
Hydric Soil Present? Yes ✓ No _____
Wetland Hydrology Present? Yes ✓ No _____
Is the Sampled Area within a Wetland? Yes ✓ No _____

Remarks: NWI shows scrub-shrub wetland along old Simmons channel. Current wetland extent more extensive than NWI.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Atriplex spinifera	30	Y	FAC
2.			
3.			
4.			
5.			
	30 = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Distichlis spicata	30	Y	FAC
2. Suaeda nigra	10	Y	OBL
3.			
4.			
5.			
6.			
7.			
8.			
	40 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 60 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: R0053WZ

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	2.5Y 6/1	99	10R 5/8	1	CS	PL	SiL	Redox on sand/silt grains surrounding dead salt grass rhizomes.

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks: Torrifluvents 0-2% slopes is a hydric soil type

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ✓ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: In 2017 JD team observed indicators A1, A2, and A3 in the same vicinity and the same geomorphic position.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR-Control Haiwee City/County: Aberdeen / Inyo Sampling Date: 5/4/2018
Applicant/Owner: SCE State: CA Sampling Point: R0053W3
Investigator(s): J. Tallis, K. Mona Section, Township, Range: -
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): _____ Slope (%): 0-1%
Subregion (LRR): D Lat: 36.980273° Long: -118.208964 Datum: WGS84
Soil Map Unit Name: Winerton-Hessica complex, 0-2% slopes NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ✓ No _____
Hydric Soil Present? Yes ✓ No _____
Wetland Hydrology Present? Yes ✓ No _____
Is the Sampled Area within a Wetland? Yes ✓ No _____

Remarks: Area contains a mosaic of scrub shrub wetlands with channels containing bed and bank, extensive salt crust, and playa depressions.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: -)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Atriplex spinifera	10	Y	FAC
2. Atriplex torreyi	1	N	FACU
3. Sarcobatus vermiculatus	2	N	FACU
4.			
5.			
	13	= Total Cover	
Herb Stratum (Plot size: 1 m²)			
1. Distichlis spicata	40	Y	FAC
2. Suaeda nigra	5	N	OBL
3.			
4.			
5.			
6.			
7.			
8.			
	45	= Total Cover	
Woody Vine Stratum (Plot size: -)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 55 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: RD053W3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	5YR 5/1	99	5YR 5/8	1	C	PL	Clay	
4-18	5YR 5/1	98	2.5YR 6/4	2	C	M	Clay	
18-24	5YR 6/1	85	2.5YR 7/1	15	D	M	Clay	Redox depletions are 1-2 mm nodules

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ✓ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR – Control Haiwee City/County: Aberdeen / Inyo Sampling Date: 5/2/2018
Applicant/Owner: SCE State: CA Sampling Point: BOO54U
Investigator(s): J. Tallis Section, Township, Range: —
Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): 2-3%
Subregion (LRR): D Lat: 37.000509 Long: -118.217086 Datum: WGS84
Soil Map Unit Name: Winerton-Hessica complex, 0-2% slopes NWI classification: _____
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____ No ✓	
Wetland Hydrology Present?	Yes _____ No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: —)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
		= Total Cover	
Sapling/Shrub Stratum (Plot size: 10m²)			
1. Sarcobatus vermiculatus	20	4	FACU
2. Atriplex parryi	5	4	FAC
3.			
4.			
5.			
	25	= Total Cover	
Herb Stratum (Plot size: 1m²)			
1. Suaeda nigra	10	4	OBL
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	10	= Total Cover	
Woody Vine Stratum (Plot size: —)			
1.			
2.			
		= Total Cover	

% Bare Ground in Herb Stratum 90 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 66% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: R0054U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	2.5Y 5/3	100					SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR Control-Haiwee City/County: Big Pine/Inyo Sampling Date: 5/2/2018
Applicant/Owner: SCE State: CA Sampling Point: RD055V
Investigator(s): J. Tallis Section, Township, Range: –
Landform (hillslope, terrace, etc.): Toe of hill Local relief (concave, convex, none): _____ Slope (%): 0%
Subregion (LRR): D Lat: 37.182070886° Long: -118.314116985 Datum: WGS84
Soil Map Unit Name: Delhy sandy loam, loamy substratum, 0-2% slope NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓	No _____	Is the Sampled Area within a Wetland? Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks: Area is located where vegetation removal is done below power lines. Herbaceous vegetation unaffected.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: 20 m²)	Absolute % Cover	Dominant Species?	Indicator Status
1. Salix lasiandra	10	Y	FACW
2. Populus fremontii	10	Y	NL
3.			
4.			
	20	= Total Cover	

Sapling/Shrub Stratum (Plot size: –)			
1.			
2.			
3.			
4.			
5.			
		= Total Cover	

Herb Stratum (Plot size: 1 m²)			
1. Bromus tectorum	8	N	NL
2. Eriogonum sp.	4	N	NA
3. Hordeum jubatum	15	Y	FAC
4. Ambrosia acanthicarpa	10	Y	NL
5. Salsola tragus	8	N	FACU
6.			
7.			
8.			
	45	= Total Cover	

Woody Vine Stratum (Plot size: _____)			
1.			
2.			
		= Total Cover	

% Bare Ground in Herb Stratum 55 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 4 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	15	x 3 =	45
FACU species	8	x 4 =	32
UPL species	0	x 5 =	0
Column Totals:	33 (A)		97 (B)

Prevalence Index = B/A = 2.93

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
✓ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

SOIL

Sampling Point: R0055U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-14	10YR 4/5	100					Sandy loam	(some gravel in top 5")

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (LRR C)
- ___ 1 cm Muck (A9) (LRR D)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (LRR C)
- ___ 2 cm Muck (A10) (LRR B)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (Nonriverine)
- ___ Sediment Deposits (B2) (Nonriverine)
- ___ Drift Deposits (B3) (Nonriverine)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (Riverine)
- ___ Sediment Deposits (B2) (Riverine)
- ___ Drift Deposits (B3) (Riverine)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ____ No ✓ Depth (inches): _____

Water Table Present? Yes ____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Soil was somewhat disturbed due to power line maintenance but not likely to affect sample.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR - Control Haiwee City/County: Big Pine / Inyo Sampling Date: 5/2/2018
Applicant/Owner: SCE State: CA Sampling Point: R005611
Investigator(s): J. Tallis, K. Mona Section, Township, Range: –
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): _____ Slope (%): 0-1%
Subregion (LRR): D Lat: 37.19000226° Long: -118.3201977 Datum: WGS84
Soil Map Unit Name: Cartago gravelly loamy sand, 0-2% slopes NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks: Sample located on west side of Big Pine Canal.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Sarcobatus vermiculatus	10	Y	FACU
2. Ericameria nauseosa	8	Y	NL
3.			
4.			
5.			
	18 = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Sporobolus airoides	40	Y	FAC
2. Distichlis spicata	5	N	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	45 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 55 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 33% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species 45	x 3 = 135
FACU species 10	x 4 = 40
UPL species _____	x 5 = _____
Column Totals: 55 (A)	175 (B)

Prevalence Index = B/A = 3.18

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

SOIL

Sampling Point: R005611

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-14	10YR 5/3	100					Coarse SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR – Control Haiwee City/County: Big Pine / Inyo Sampling Date: 5/2/2018
Applicant/Owner: SCE State: CA Sampling Point: R0056W
Investigator(s): J. Tallis, K. Mesa Section, Township, Range: _____
Landform (hillslope, terrace, etc.): Valley bottom & toe Local relief (concave, convex, none): _____ Slope (%): 0-1%
Subregion (LRR): D Lat: 37.19030515° Long: -118.3198633 32° Datum: WGS84
Soil Map Unit Name: Aquents-Aquic torripsamments assoc., 0-2% NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ✓ No _____
Hydric Soil Present? Yes ✓ No _____
Wetland Hydrology Present? Yes ✓ No _____
Is the Sampled Area within a Wetland? Yes ✓ No _____

Remarks: Water contained by elevated roads and Big Pine canal around sample. Site is low point in depression.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: –)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Anemopsis californica	34	Y	OBL
2. Juncus balticus	33	Y	FACW
3. Distichlis spicata	33	Y	FAC
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 0 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: R0056W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 5/6	98%	2.5YR 5/6	2%	C	PL/M	SCL	
4-12	10YR 7/3	100%					SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ✓ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks: Soil is hydric soil type according to NRCS. Area is disturbed due to grazing, canal, and raised road. Soil also weakly sandy redox

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- X Water-Stained Leaves (B9)
- ✓ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR - Control Haines City/County: Little Lake/Inyo Sampling Date: 5/3/2018
Applicant/Owner: SCE State: CA Sampling Point: R0057U
Investigator(s): J. Tallis, K. Moua Section, Township, Range: –
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): Swale Slope (%): 2%
Subregion (LRR): D Lat: 35.939160500 Long: -117.195273333 Datum: WGS84
Soil Map Unit Name: Not available NWI classification: PEM1Ah
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ✓ No ____
Hydric Soil Present? Yes ____ No ✓
Wetland Hydrology Present? Yes ____ No ✓
Is the Sampled Area within a Wetland? Yes ____ No ✓

Remarks: Site is upland edge of large wetland complex irrigated by Little Lake.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Atriplex lentiformis	15	Y	FAC
2.			
3.			
4.			
5.			
	15 = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Distichlis spicata	70	Y	FAC
2. Suaeda nigra	30	Y	OBL
3.			
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 0 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: RD057U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	5Y 4/3	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ____ No ✓ Depth (inches): _____

Water Table Present? Yes ____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR – Control Haiwee City/County: Little lake / Inyo Sampling Date: 5/3/2018
Applicant/Owner: SCE. State: CA Sampling Point: R0057W
Investigator(s): J. Tallis, K. Moua Section, Township, Range: —
Landform (hillslope, terrace, etc.): Valley Bottom Local relief (concave, convex, none): _____ Slope (%): 1-2%
Subregion (LRR): D Lat: 35.93735000 Long: -117.90514000 Datum: WGS84
Soil Map Unit Name: Not available NWI classification: PEM1Ah
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	Is the Sampled Area within a Wetland? Yes ✓ No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks: Wetland south of dam

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Atriplex lentiformis var torreyi	20	Y	FAC
2.			
3.			
4.			
5.			
	20 = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Anemopsis californica	60	Y	OBL
2. Distichlis spicata	40	Y	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum 0 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: R0057W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4"	5YR 3/3	100					SiL	Mucky peat
4-12"	2.5Y 6/1	100					SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ✓ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ✓ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ✓ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ✓ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR - Control Haiwee City/County: Little Lake/Inyo Sampling Date: 5/3/2018
Applicant/Owner: SCE State: CA Sampling Point: R005BU
Investigator(s): J. Tallis, K. Mova Section, Township, Range: —
Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): 1%
Subregion (LRR): D Lat: 35.940930° Long: -117.905578° Datum: WGS84
Soil Map Unit Name: Not available NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	Is the Sampled Area within a Wetland? Yes _____ No ✓
Hydric Soil Present?	Yes _____ No ✓	
Wetland Hydrology Present?	Yes _____ No ✓	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: —)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Atriplex lentiformis var. torryi	50	Y	FAC
2.			
3.			
4.			
5.			
	50 = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Distichlis spicata	70	Y	FAC
2. Bromus hordeaceus	4	N	FACU
3. Stutzia covillei	3	N	—
4.			
5.			
6.			
7.			
8.			
	77 = Total Cover		
Woody Vine Stratum (Plot size: —)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 23 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: RA058U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	7.5YR 3/2	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No _____ Depth (inches): _____

Water Table Present? Yes _____ No _____ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No _____ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR – Control-Haiwee City/County: Little Lake/Inyo Sampling Date: 5/3/2018
Applicant/Owner: SCE State: CA Sampling Point: R0058W
Investigator(s): J. Tallis, K. Moua Section, Township, Range: –
Landform (hillslope, terrace, etc.): Lakeshore terrace Local relief (concave, convex, none): _____ Slope (%): 1-2%
Subregion (LRR): D Lat: 35.94122000° Long: -117.90573333° Datum: WGS84
Soil Map Unit Name: Not available NWI classification: PEM1Ah
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	Is the Sampled Area within a Wetland? Yes ✓ No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks: Near shore on southwest side of Little Lake (dammed)

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: –)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Distichlis spicata	50	Y	FAC
2. Nitrophila occidentalis	50	Y	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum Ø % Cover of Biotic Crust Ø

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: R0058W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR 6/1	100					SiCL	
6-12	7.5YR 5/2.5	95	7.5YR 5/6	5	C	M	SiCL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ✓ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ✓ Inundation Visible on Aerial Imagery (B7)
- ✓ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR - Central Haiwee City/County: Little Lake/Inyo Sampling Date: 5/2/2018
Applicant/Owner: SCE State: CA Sampling Point: R00594
Investigator(s): J. Tallis, K. Mona Section, Township, Range: –
Landform (hillslope, terrace, etc.): Lake shore Local relief (concave, convex, none): _____ Slope (%): 2-3%
Subregion (LRR): D Lat: 35.94524167° Long: -117.90665000° Datum: WGS84
Soil Map Unit Name: Unavailable NWI classification: _____
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	Is the Sampled Area within a Wetland? Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks: Upland beside Little Lake

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Atriplex lentiformis	40	Y	FAC
2.			
3.			
4.			
5.			
	40 = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Descurainia pinnata	10	Y	–
2. Bromus tectorum	10	Y	–
3.			
4.			
5.			
6.			
7.			
8.			
	20 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum 60 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 33% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species 40	x 3 = 120
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: 40 (A)	120 (B)

Prevalence Index = B/A = 3.0

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
✓ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

SOIL

Sampling Point: R0059U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	2.5Y 5/3	100					SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR - Control Haywee City/County: Little Lake/Inyo Sampling Date: 5/3/2018
Applicant/Owner: SCE State: CA Sampling Point: R0059W
Investigator(s): J. Tallis, K. Loya Section, Township, Range: -
Landform (hillslope, terrace, etc.): Lakeshore Local relief (concave, convex, none): _____ Slope (%): 1%
Subregion (LRR): D Lat: 35.945090° Long: -117.906683° Datum: WGS84
Soil Map Unit Name: Not available NWI classification: PEM1Ah
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	Is the Sampled Area within a Wetland?	Yes ✓ No _____
Hydric Soil Present?	Yes ✓ No _____		
Wetland Hydrology Present?	Yes ✓ No _____		

Remarks:

VEGETATION – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status
Tree Stratum (Plot size: —)			
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: —)			
1.			
2.			
3.			
4.			
5.			
	_____ = Total Cover		
Herb Stratum (Plot size: 1 m²)			
1. Anemopsis californica	60	Y	OBL
2. Nitrophila occidentalis	20	Y	FACW
3. Juncus balticus	15	N	FACW
4. Distichlis spicata	5	N	FAC
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: _____)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum 0 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: R0091W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	7.5YR 3/2	100					SiL	-Saprlc
3-12	Gley1 4/10Y	100					SC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ✓ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ✓ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ✓ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ✓ No ___ Depth (inches): 6"

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Surface water present 10-feet away on Little Lake shore

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR-Control Haiwee City/County: Lone Pine/Inyo Sampling Date: 5/4/2018
Applicant/Owner: SCE State: CA Sampling Point: R0073U
Investigator(s): J. Tallis, K. Mousa Section, Township, Range: —
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): none Slope (%): 0
Subregion (LRR): D Lat: 36.074622° Long: -118.096878° Datum: WGS84
Soil Map Unit Name: Manzanar silt loam, 0-2% slopes NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ____ No ✓
Hydric Soil Present? Yes ____ No ✓
Wetland Hydrology Present? Yes ____ No ✓
Is the Sampled Area within a Wetland? Yes ____ No ✓

Remarks: Upland near highway 395 with some dirt road and tower disturbance nearby.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: —)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: 10m²)			
1. Atriplex polycarpa	25	Y	FACU
2. Sarcobatus vermiculatus	10	Y	FACU
3.			
4.			
5.			
	35 = Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Distichlis spicata	50	Y	FAC
2. Juncus balticus	5	N	FACW
3. Suaeda nigra	25	Y	OBL
4.			
5.			
6.			
7.			
8.			
	80 = Total Cover		
Woody Vine Stratum (Plot size: —)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum 20 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 50% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	25	x 1 =	25
FACW species	5	x 2 =	10
FAC species	50	x 3 =	150
FACU species	35	x 4 =	140
UPL species		x 5 =	
Column Totals:	115 (A)		325 (B)

Prevalence Index = B/A = 2.826

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
✓ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ____ No ✓

Remarks:

SOIL

Sampling Point: R0073U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR 5/6	100					SL	
6-12	7.5YR 5/3	100					SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Minimal salt present from efflorescences resulting from capillary rise and evaporation of saline groundwater.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR-Control Chiwaa City/County: Lone Pine/Inyo Sampling Date: 5/4/2018
Applicant/Owner: SCE State: CA Sampling Point: R0073W
Investigator(s): J. Tallis, K. Mona Section, Township, Range: —
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): _____ Slope (%): 0
Subregion (LRR): D Lat: 36.674964° Long: -118.097099° Datum: WGS84
Soil Map Unit Name: Manzanar silt loam, 0-2% slope NWI classification: _____
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	**Is the Sampled Area within a Wetland?** Yes ✓ No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks:

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: —)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Atriplex lentiformis	10	Y	FAC
2. Sarcobatus vermiculatus	10	Y	FACU
3.			
4.			
5.			
	20 = Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Anemopsis californica	50	Y	OBL
2. Juncus balticus	50	Y	FACW
3.			
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: —)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum 0 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 4 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 75 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species _____	x 1 = _____
FACW species _____	x 2 = _____
FAC species _____	x 3 = _____
FACU species _____	x 4 = _____
UPL species _____	x 5 = _____
Column Totals: _____ (A)	_____ (B)

Prevalence Index = B/A = _____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks:

SOIL

Sampling Point: R1073W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	7.5YR 5/4	98	7.5YR 5/6	2	C	PL	SC	
4-8	2.5Y 6/2	100					SC	
8-14	7.5YR 5/1	100					SC	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ✓ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks: Manzanar silty loam is a hydric soil type

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ✓ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR – Control Hajiwee City/County: Lone Pine/Inyo Sampling Date: 6/5/2018
Applicant/Owner: SCE State: CA Sampling Point: R007BW
Investigator(s): J. Tallis Section, Township, Range:
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): none Slope (%): 0
Subregion (LRR): D Lat: Long: Datum:
Soil Map Unit Name: Manzanar silt loam 0-2% NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes ✓ No ____
Hydric Soil Present? Yes ✓ No ____
Wetland Hydrology Present? Yes ✓ No ____
Is the Sampled Area within a Wetland? Yes ✓ No ____

Remarks:
Area is heavily grazed but wetland characteristics clearly identifiable

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ~)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: ~)			
1.			
2.			
3.			
4.			
5.			
	____ = Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Sporobolis airoides	70	Y	FAC
2. Distichlis spicata	25	Y	FAC
3.			
4.			
5.			
6.			
7.			
8.			
	95 = Total Cover		
Woody Vine Stratum (Plot size: ~)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum 5 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species	x 3 =	
FACU species	x 4 =	
UPL species	x 5 =	
Column Totals: (A)		(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:
Large patches of Glycyrrhiza lepidota (FAC) in vicinity of sample site.

SOIL

Sampling Point: R0078W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Redox Features Type[1]	Redox Features Loc[2]	Texture	Remarks
0-9	7.5YR4/1	100					SiL	
9-14	7.5YR2.5/2	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ✓ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Sample in Manzanar silt loam 0-2% hydric soil type.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ✓ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Wet season hoof marks present in dry mud.

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR - Control Harness City/County: Lone Pine / Inyo Sampling Date: 6/15/2018
Applicant/Owner: SCE State: CA Sampling Point: B0079W
Investigator(s): J. Tallis Section, Township, Range:
Landform (hillslope, terrace, etc.): Valley bottom Local relief (concave, convex, none): None Slope (%): 0
Subregion (LRR): D Lat: 36.768189° Long: -118.192158° Datum: WGS84
Soil Map Unit Name: Manzanar silt loam NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No ____ (If no, explain in Remarks.)
Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No ____
Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No ____	**Is the Sampled Area within a Wetland?** Yes ✓ No ____
Hydric Soil Present?	Yes ✓ No ____	
Wetland Hydrology Present?	Yes ✓ No ____	

Remarks: Sample is close to a ditch running along wire fence. Condition same throughout surrounding area.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: —)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	____ = Total Cover		
Sapling/Shrub Stratum (Plot size: 10m²)			
1. Pluchea Sericea	20	Y	FACW
2.			
3.			
4.			
5.			
	20 = Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Sporobolus airoides	25	Y	FAC
2. Distichlis spicata	70	Y	FAC
3. Juncus balticus	5	N	FACW
4.			
5.			
6.			
7.			
8.			
	100 = Total Cover		
Woody Vine Stratum (Plot size: ____)			
1.			
2.			
	____ = Total Cover		

% Bare Ground in Herb Stratum 0 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species ____	x 1 = ____
FACW species ____	x 2 = ____
FAC species ____	x 3 = ____
FACU species ____	x 4 = ____
UPL species ____	x 5 = ____
Column Totals: ____ (A)	____ (B)

Prevalence Index = B/A = ____

Hydrophytic Vegetation Indicators:
✓ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No ____

Remarks:

SOIL

Sampling Point: R0079W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	Gley1 4/5GY	97	10YR 6/8	3	CS	PL	SiL	Minimal gravel in TOP 3". Appears not naturally occurring
3-14	10YR 4/3	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) (**LRR C**)
- ___ 1 cm Muck (A9) (**LRR D**)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ✓ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) (**LRR C**)
- ___ 2 cm Muck (A10) (**LRR B**)
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✓ No ___

Remarks:

Manzanar silt loam 0-2% is hydric soil type

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) (**Nonriverine**)
- ___ Sediment Deposits (B2) (**Nonriverine**)
- ___ Drift Deposits (B3) (**Nonriverine**)
- ✓ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ✓ Water-Stained Leaves (B9)
- ✓ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) (**Riverine**)
- ___ Sediment Deposits (B2) (**Riverine**)
- ___ Drift Deposits (B3) (**Riverine**)
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ✓ Depth (inches): _____

Water Table Present? Yes ___ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes ___ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR-Control Haiwee City/County: Bigpine/Inyo Sampling Date: 5/2/2018
Applicant/Owner: SCE State: CA Sampling Point: R008BU
Investigator(s): J. Tallis, K. Mejia Section, Township, Range: –
Landform (hillslope, terrace, etc.): Toe of hillslope Local relief (concave, convex, none): _____ Slope (%): 5%
Subregion (LRR): D Lat: 37.162460294° Long: -118.301477686° Datum: WGS84
Soil Map Unit Name: Goodale-Cartago complex 5-15% slopes* NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____	No ✓	
Wetland Hydrology Present?	Yes _____	No ✓	

Remarks: Just west on upslope soil changes to Lubkin-Tinemaha complex, moist, 5–15% slope.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: 10 m²)			
1. Salix exigua	75	Y	FACW
2. Robinia pseudoacacia	25	Y	FACU
3.			
4.			
5.			
	100 = Total Cover		
Herb Stratum (Plot size: –)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
	_____ = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum 100 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 50 (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species 75	x 2 =	150
FAC species	x 3 =	
FACU species 25	x 4 =	100
UPL species	x 5 =	
Column Totals: 100 (A)		250 (B)

Prevalence Index = B/A = 2.5

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
✓ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks:

SOIL

Sampling Point: R00884

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	7.5YR 3/3	100					SL	
6-12	7.5YR 3/2	100					SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes _____ No ✓ Depth (inches): _____

Water Table Present? Yes _____ No ✓ Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes _____ No ✓ Depth (inches): _____

Wetland Hydrology Present? Yes _____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR-Control Haiwee City/County: Big Pine/Inyo Sampling Date: 5/2/2018
Applicant/Owner: SCE State: CA Sampling Point: R00890
Investigator(s): J. Tallis, K. Mousa Section, Township, Range: –
Landform (hillslope, terrace, etc.): Terrace of tiny creek Local relief (concave, convex, none): _____ Slope (%): 3%
Subregion (LRR): D Lat: 37.170183 Long: -118.30de34 Datum: WGS84
Soil Map Unit Name: Goodale-Cartago complex 5-15% slope NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____ No ✓	**Is the Sampled Area within a Wetland?** Yes _____ No ✓
Hydric Soil Present?	Yes _____ No ✓	
Wetland Hydrology Present?	Yes _____ No ✓	

Remarks: Sample located between large rocks where conditions dont appear affected by

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	_____ = Total Cover		
Sapling/Shrub Stratum (Plot size: 10m²)			
1. Ericameria nauseosa	10	Y	NL
2. Artemisia tridentata	15	Y	NL
3.			
4.			
5.			
	25 = Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Hordeum murinum	75	Y	FACU
2. Descurainia sophia	5	N	NL
3. Salsola tragus	5	N	FACU
4.			
5.			
6.			
7.			
8.			
	85 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	_____ = Total Cover		

% Bare Ground in Herb Stratum 15 % Cover of Biotic Crust 0

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species _____	x 1 =	_____
FACW species _____	x 2 =	_____
FAC species _____	x 3 =	_____
FACU species 80	x 4 =	320
UPL species _____	x 5 =	_____
Column Totals: 80 (A)		320 (B)

Prevalence Index = B/A = 4.00

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes _____ No ✓

Remarks: Minimal browsing apparent in sample area.

SOIL

Sampling Point: R00894

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	7.5 YR 3.5/1	100					SiCL	with gravel

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: cobbles and larger

Depth (inches): 10

Hydric Soil Present? Yes ____ No ✓

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ____ No ✓ Depth (inches): ____

Water Table Present? Yes ____ No ✓ Depth (inches): ____

Saturation Present? (includes capillary fringe) Yes ____ No ✓ Depth (inches): ____

Wetland Hydrology Present? Yes ____ No ✓

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: TLRR – Control Hairwee City/County: Big Pine / Inyo Sampling Date: 5/2/2018
Applicant/Owner: SCE State: CA Sampling Point: R00896
Investigator(s): J. Tallis and K. Mesa Section, Township, Range: –
Landform (hillslope, terrace, etc.): Gentle hillslope Local relief (concave, convex, none): _____ Slope (%): 3
Subregion (LRR): D Lat: 37.170595° Long: -118.306869° Datum: WGS84
Soil Map Unit Name: Goodale Cantego complex, 5-15% slope NWI classification: None
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No _____ (If no, explain in Remarks.)
Are Vegetation ✓, Soil _____, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes ✓ No _____
Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✓ No _____	Is the Sampled Area within a Wetland? Yes ✓ No _____
Hydric Soil Present?	Yes ✓ No _____	
Wetland Hydrology Present?	Yes ✓ No _____	

Remarks: Site is non-naturally irrigated by a system of aqueducts and ponds V from Baker Creek.

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: –)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size: –)			
1.			
2.			
3.			
4.			
5.			
	= Total Cover		
Herb Stratum (Plot size: 1m²)			
1. Plantago lanceolata	30	Y	FAC
2. Trifolium pratense	35	Y	FACU
3. Rumex crispus	10	N	FAC
4. Unid grass thr young to ID	20	Y	–
5.			
6.			
7.			
8.			
	95 = Total Cover		
Woody Vine Stratum (Plot size: –)			
1.			
2.			
	= Total Cover		

% Bare Ground in Herb Stratum 5 % Cover of Biotic Crust Ø

Dominance Test worksheet:
Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Total Number of Dominant Species Across All Strata: 3 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC: 33% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:	
OBL species	x 1 =	
FACW species	x 2 =	
FAC species 40	x 3 =	120
FACU species 35	x 4 =	140
UPL species	x 5 =	
Column Totals: 75 (A)		260 (B)

Prevalence Index = B/A = 3.47

Hydrophytic Vegetation Indicators:
___ Dominance Test is >50%
___ Prevalence Index is ≤3.0[1]
___ Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
✓ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes ✓ No _____

Remarks: Site has been grazed and possibly mowed to select for particularly weedy species that tolerate these conditions.

SOIL

Sampling Point: RDD09W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8"	7.5YR 3/1	96	7.5YR 6/8	4	C	M	SL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5) **(LRR C)**
- ___ 1 cm Muck (A9) **(LRR D)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Loamy Mucky Mineral (F1)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ✓ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Vernal Pools (F9)

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A9) **(LRR C)**
- ___ 2 cm Muck (A10) **(LRR B)**
- ___ Reduced Vertic (F18)
- ___ Red Parent Material (TF2)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: Cobble and rock

Depth (inches): 8"

Hydric Soil Present? Yes ✓ No ___

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1) **(Nonriverine)**
- ___ Sediment Deposits (B2) **(Nonriverine)**
- ___ Drift Deposits (B3) **(Nonriverine)**
- ___ Surface Soil Cracks (B6)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Salt Crust (B11)
- ___ Biotic Crust (B12)
- ___ Aquatic Invertebrates (B13)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres along Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ✓ Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- ___ Water Marks (B1) **(Riverine)**
- ___ Sediment Deposits (B2) **(Riverine)**
- ___ Drift Deposits (B3) **(Riverine)**
- ___ Drainage Patterns (B10)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ___ No ___ Depth (inches): ___

Water Table Present? Yes ___ No ___ Depth (inches): ___

Saturation Present? (includes capillary fringe) Yes ___ No ___ Depth (inches): ___

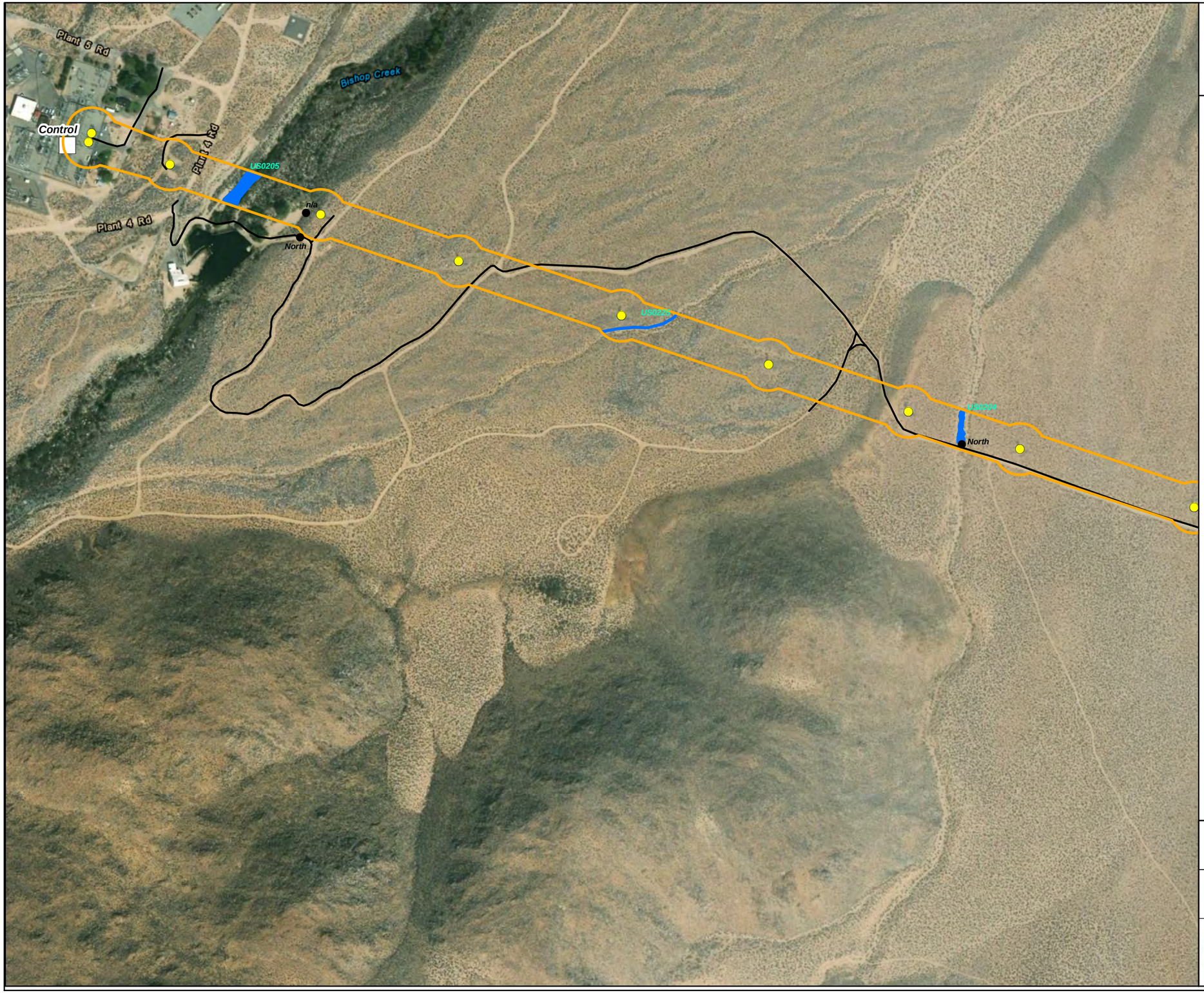
Wetland Hydrology Present? Yes ✓ No ___

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: Area gets inundated from water diversion and gets disturbed from grazing. In the vicinity there is ponded water, water stained leaves, drainage patterns, and inundation visible on aerial imagery (12/2005)

ATTACHMENT E

USACE/RWQCB Jurisdictional Waters Mapping



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

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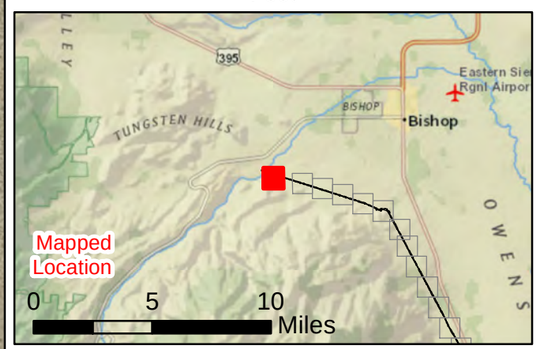

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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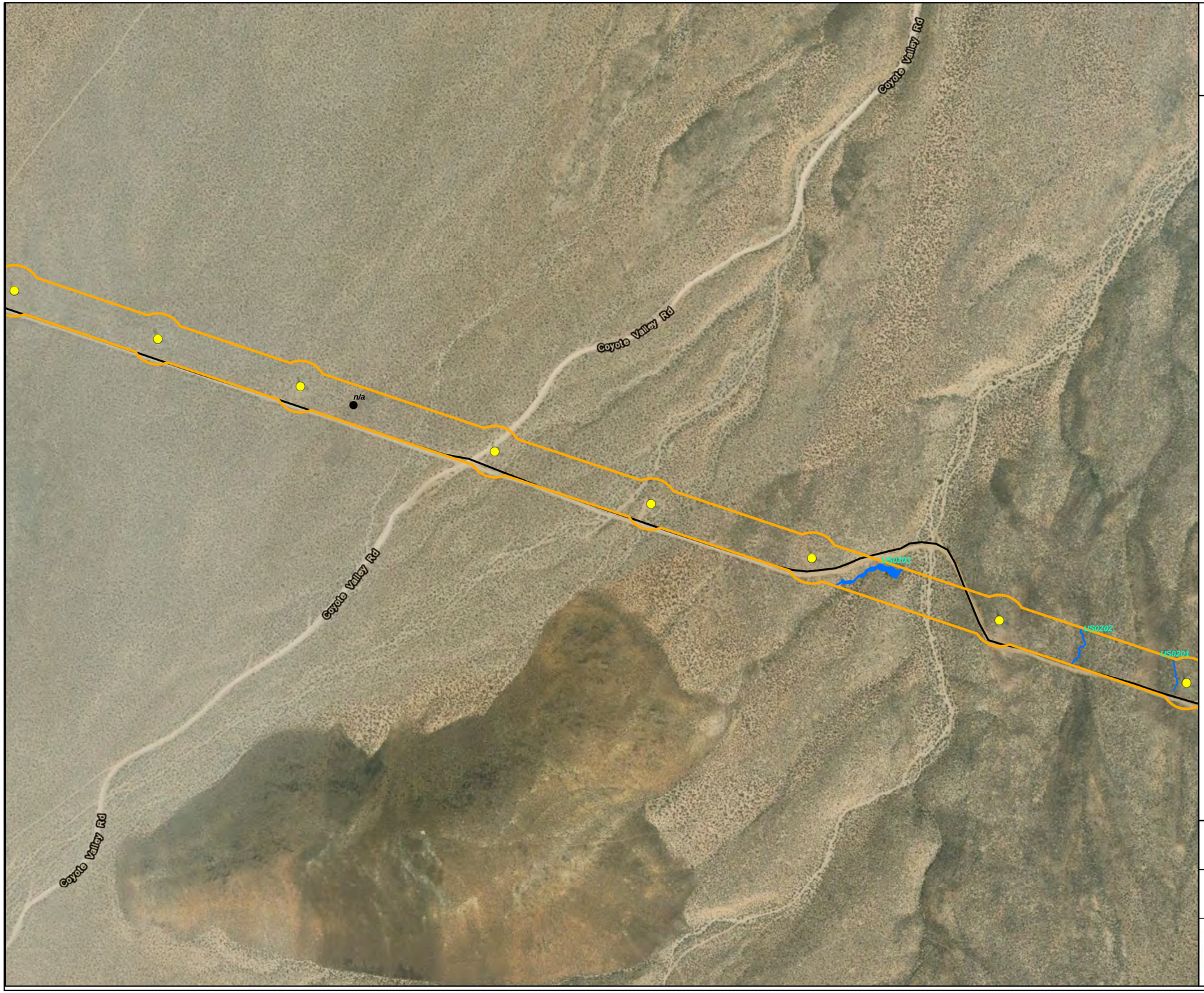

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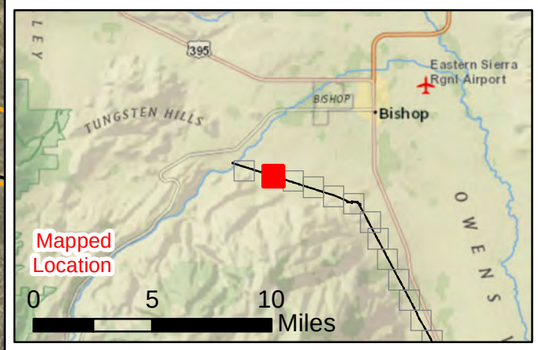

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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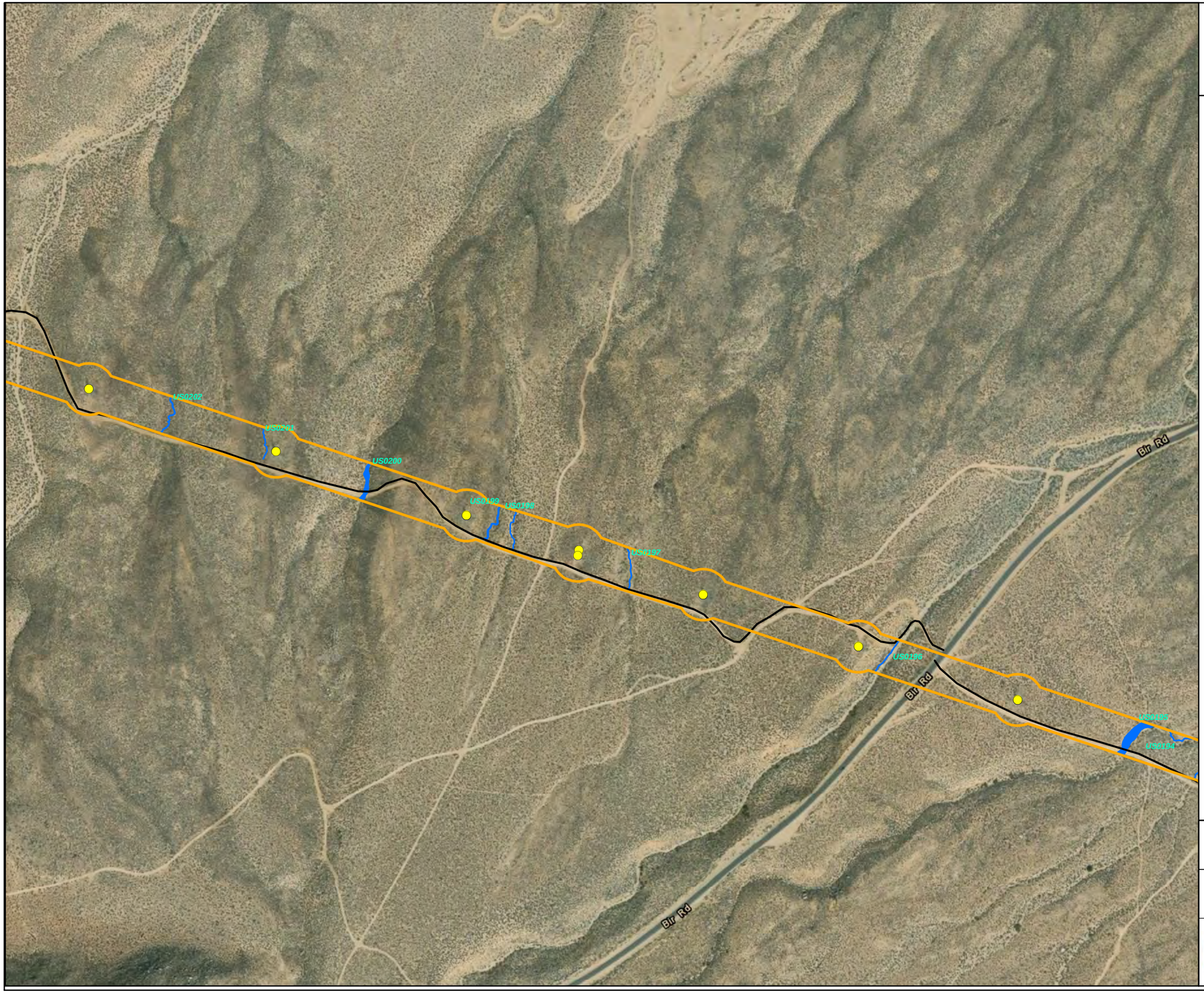

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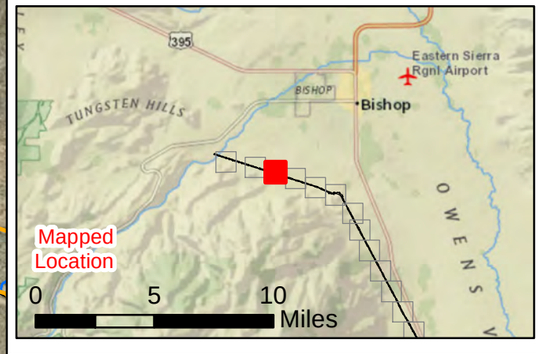

Transmission Line Rating Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

Figure:
3 of 108

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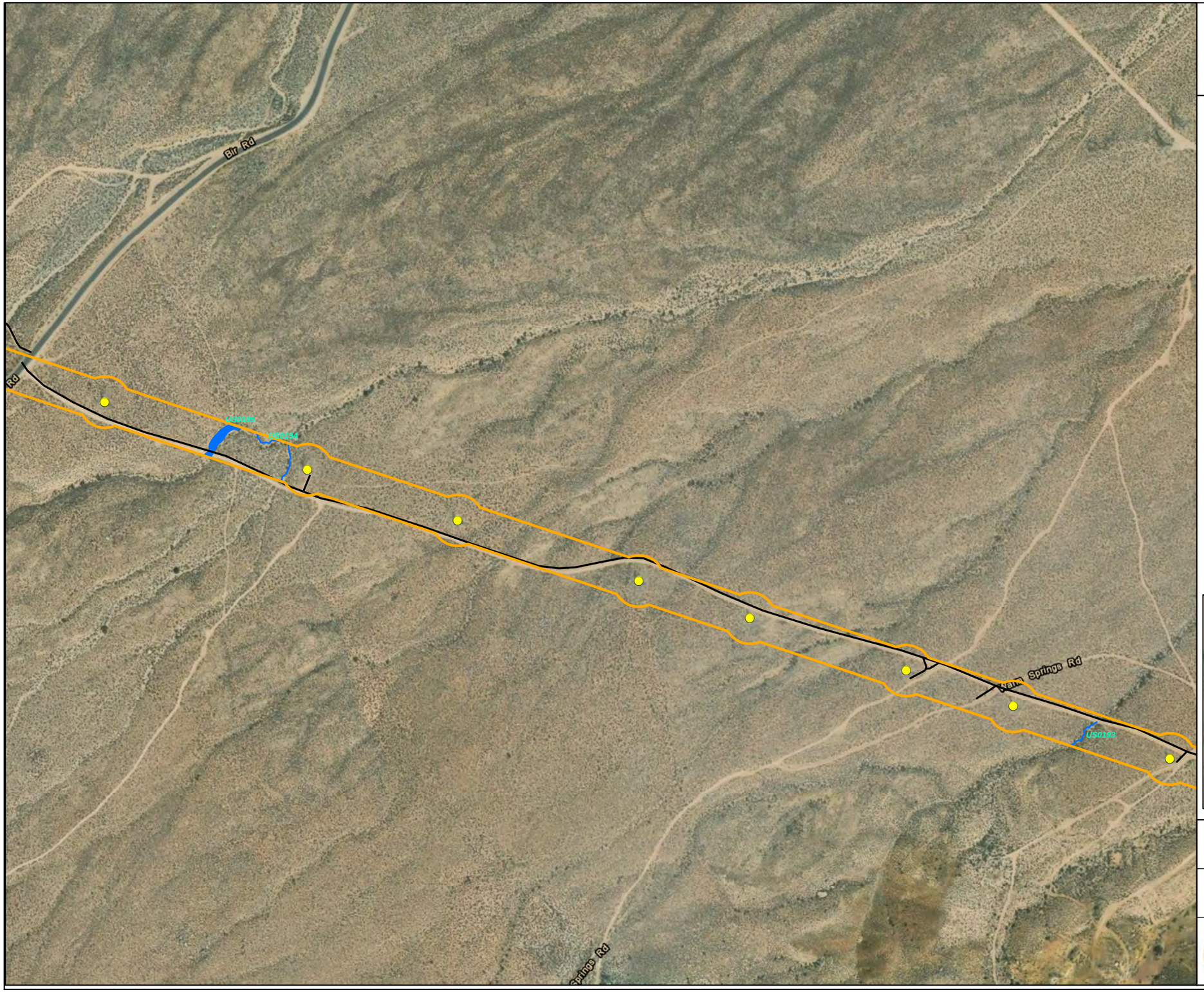

SOUTHERN CALIFORNIA EDISON
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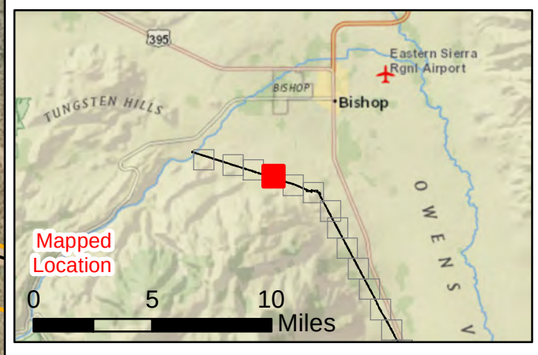

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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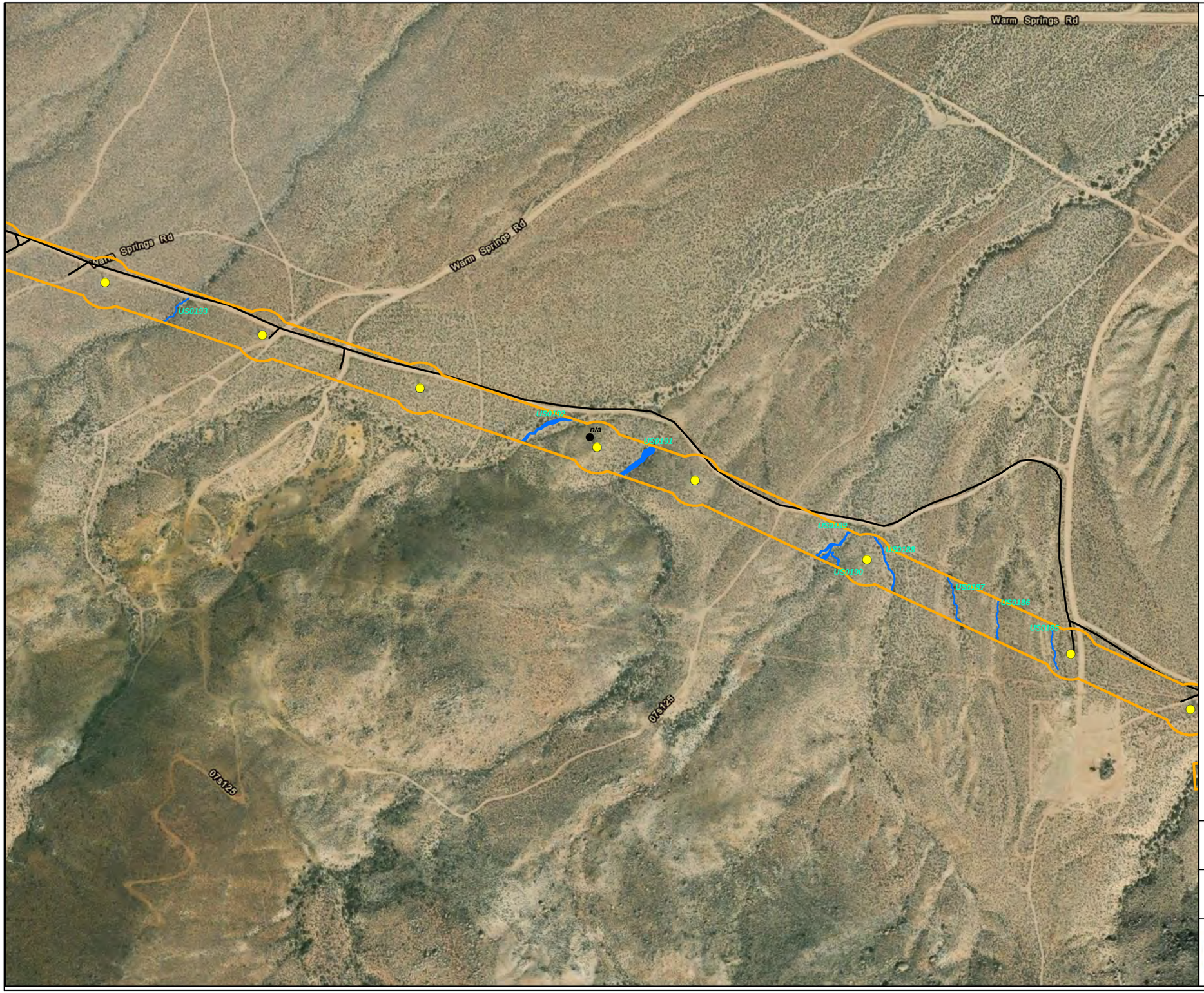

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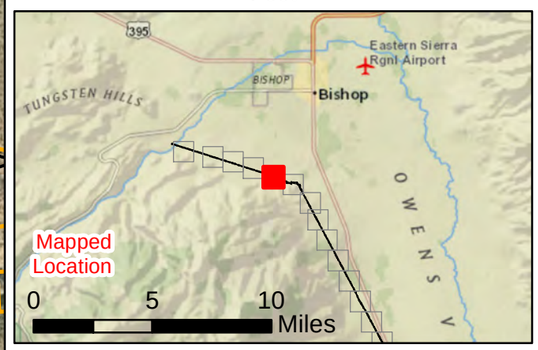

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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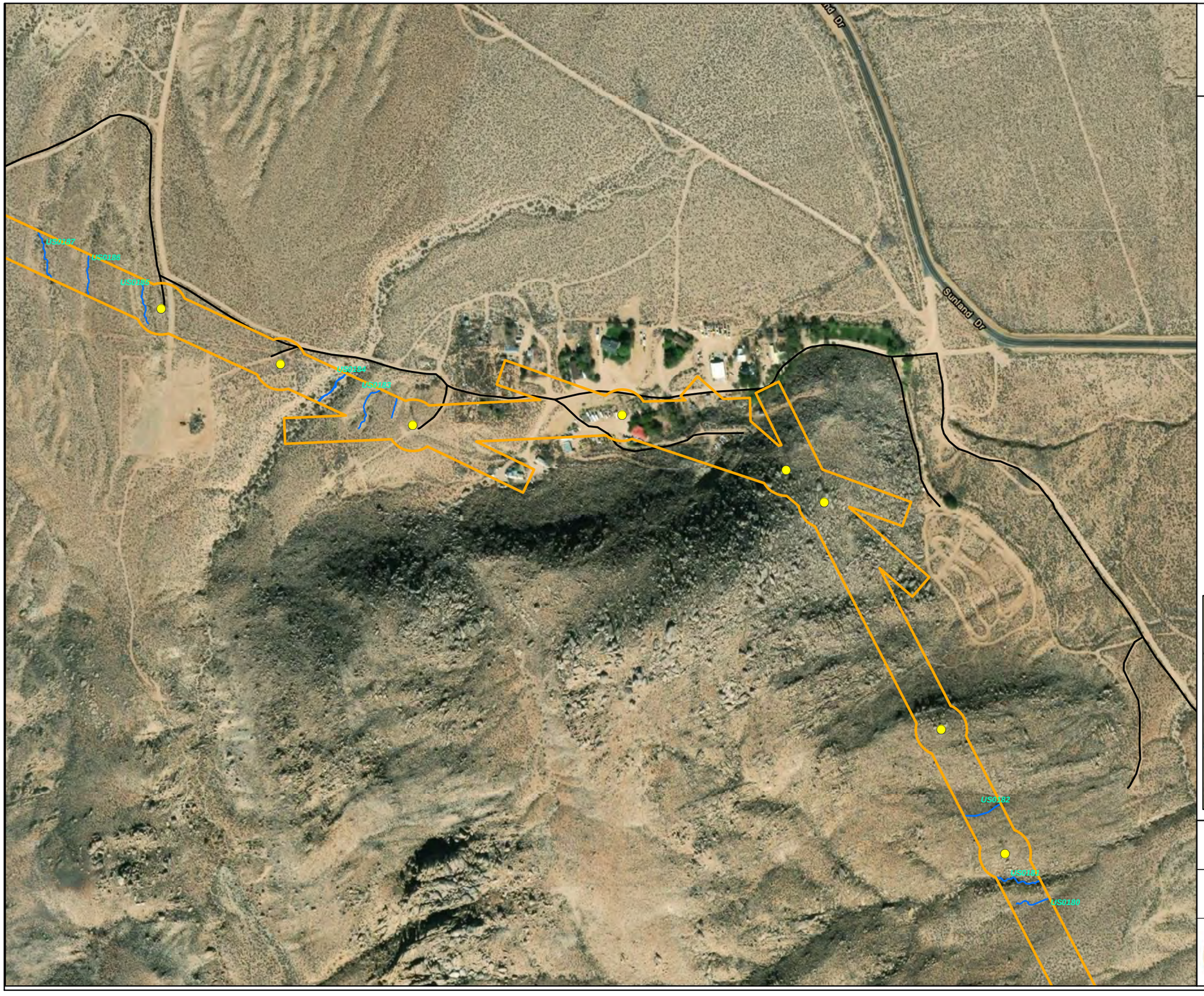

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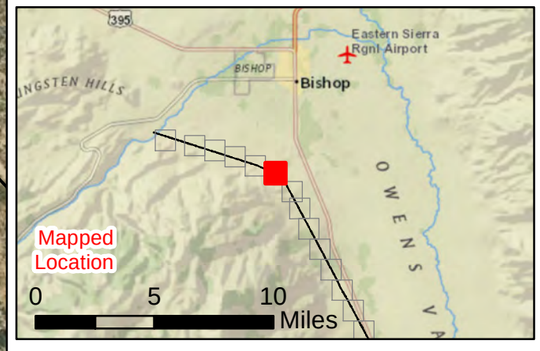

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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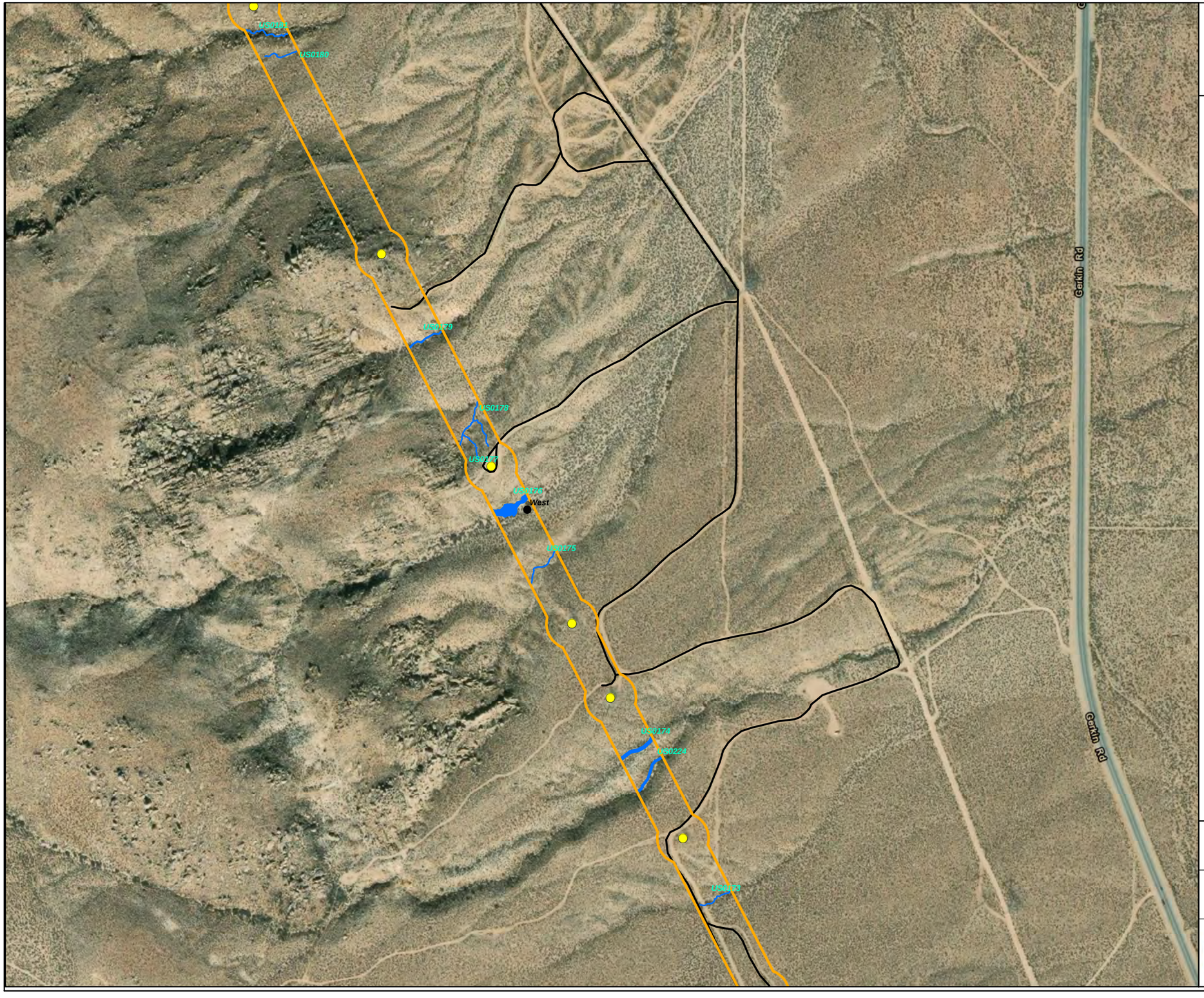

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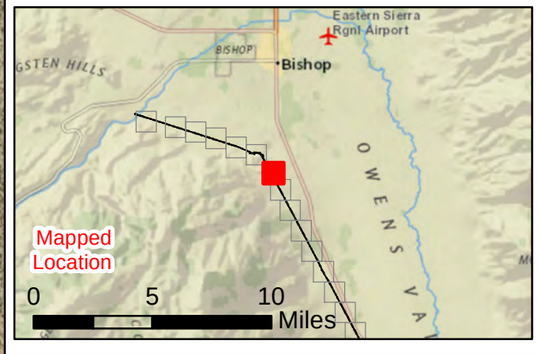

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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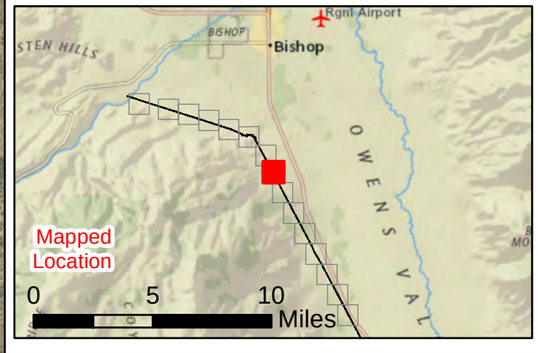

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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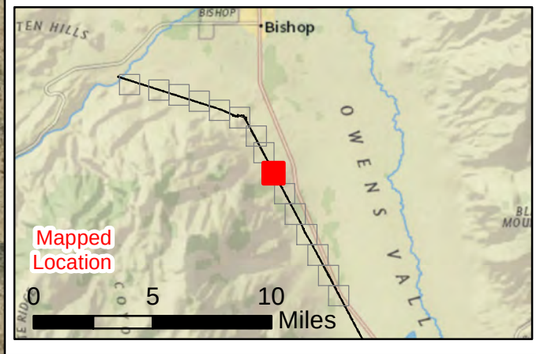

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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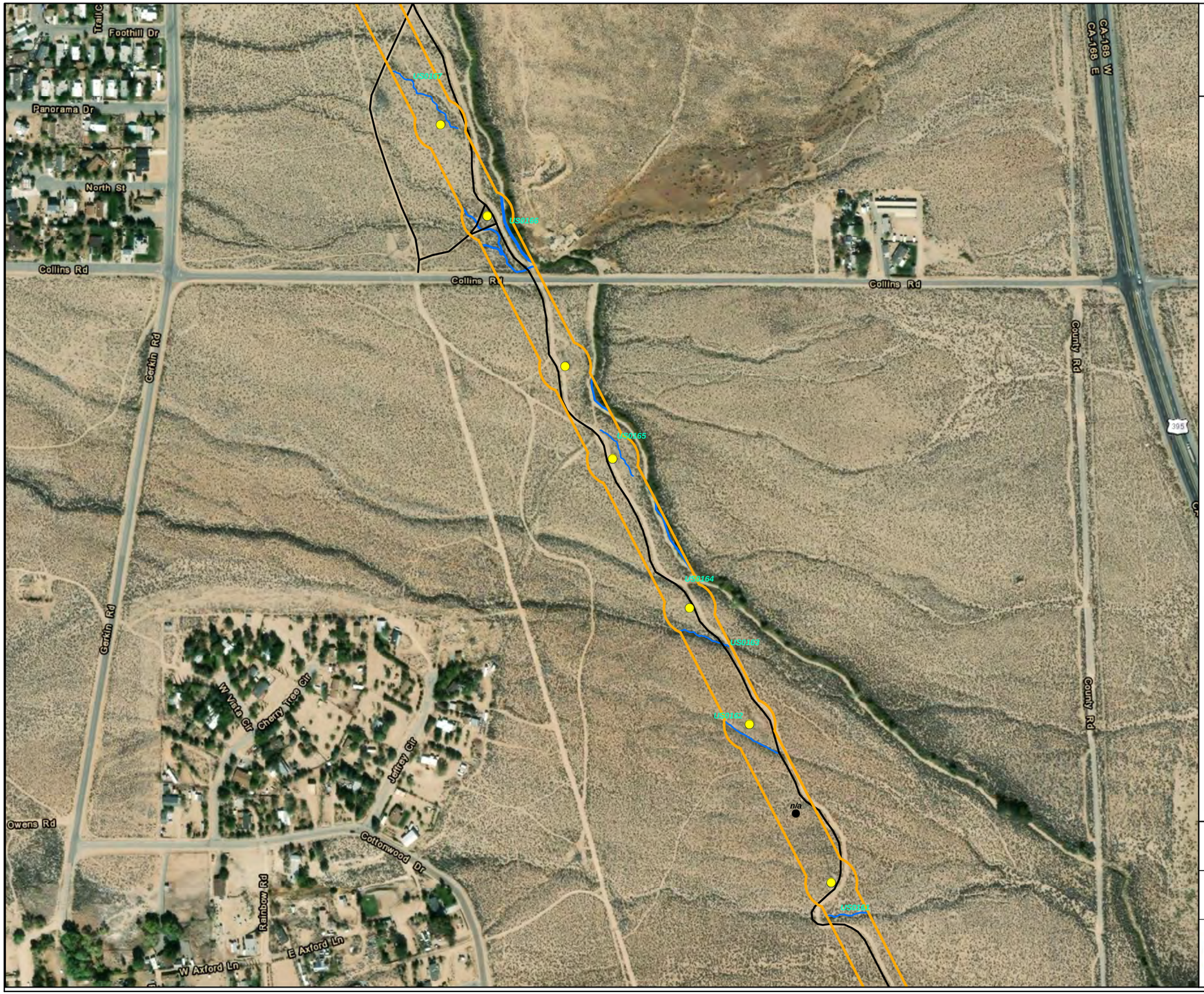

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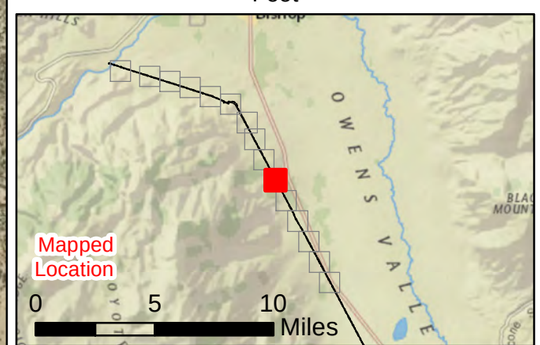

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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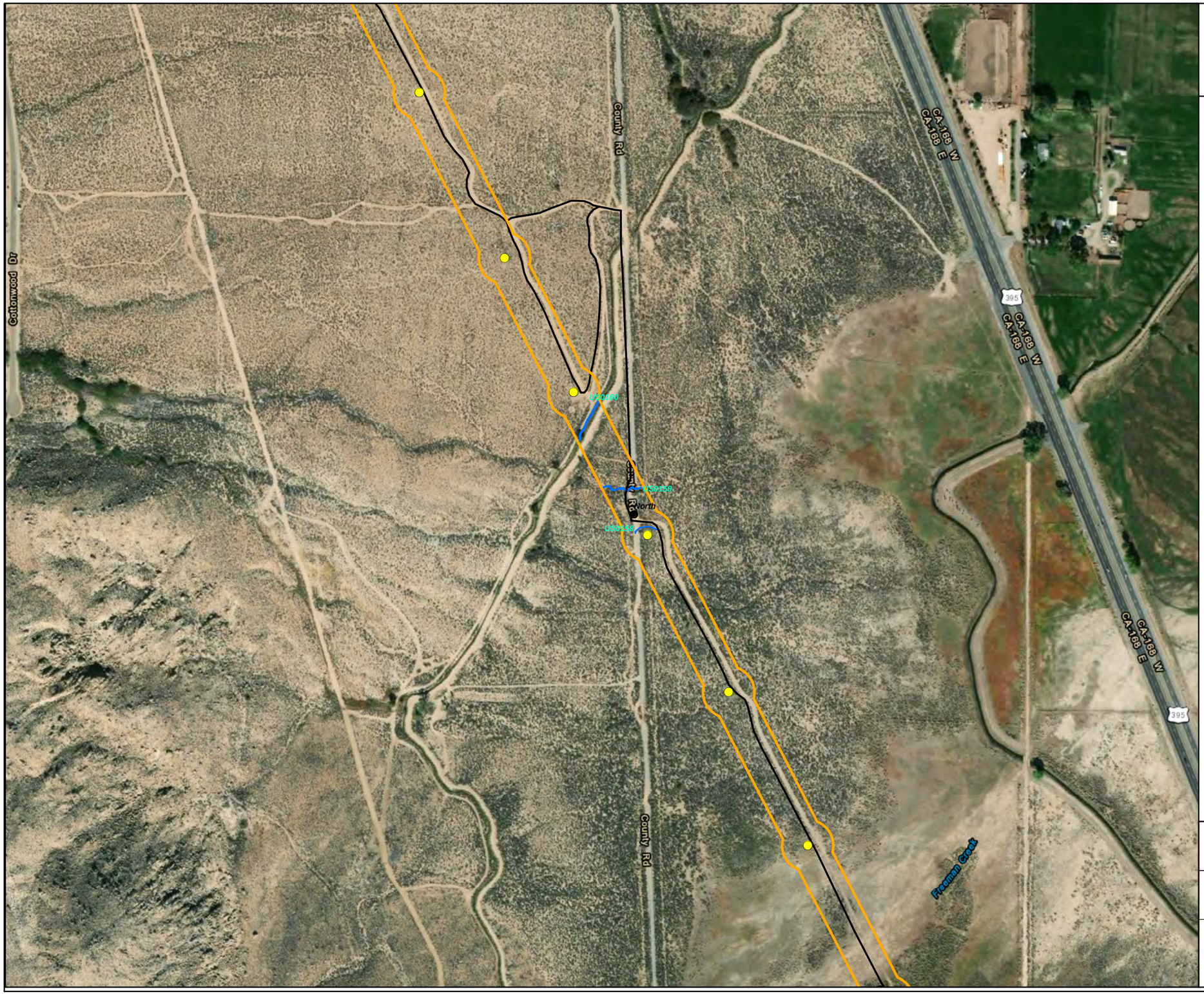

SOUTHERN CALIFORNIA EDISON
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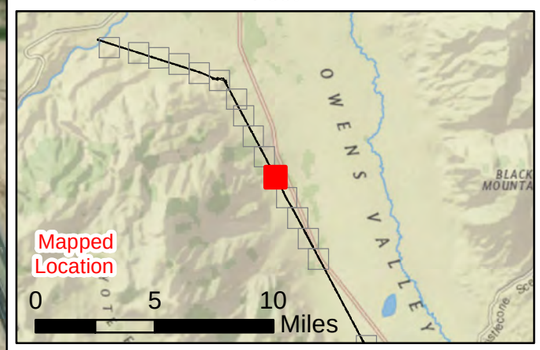

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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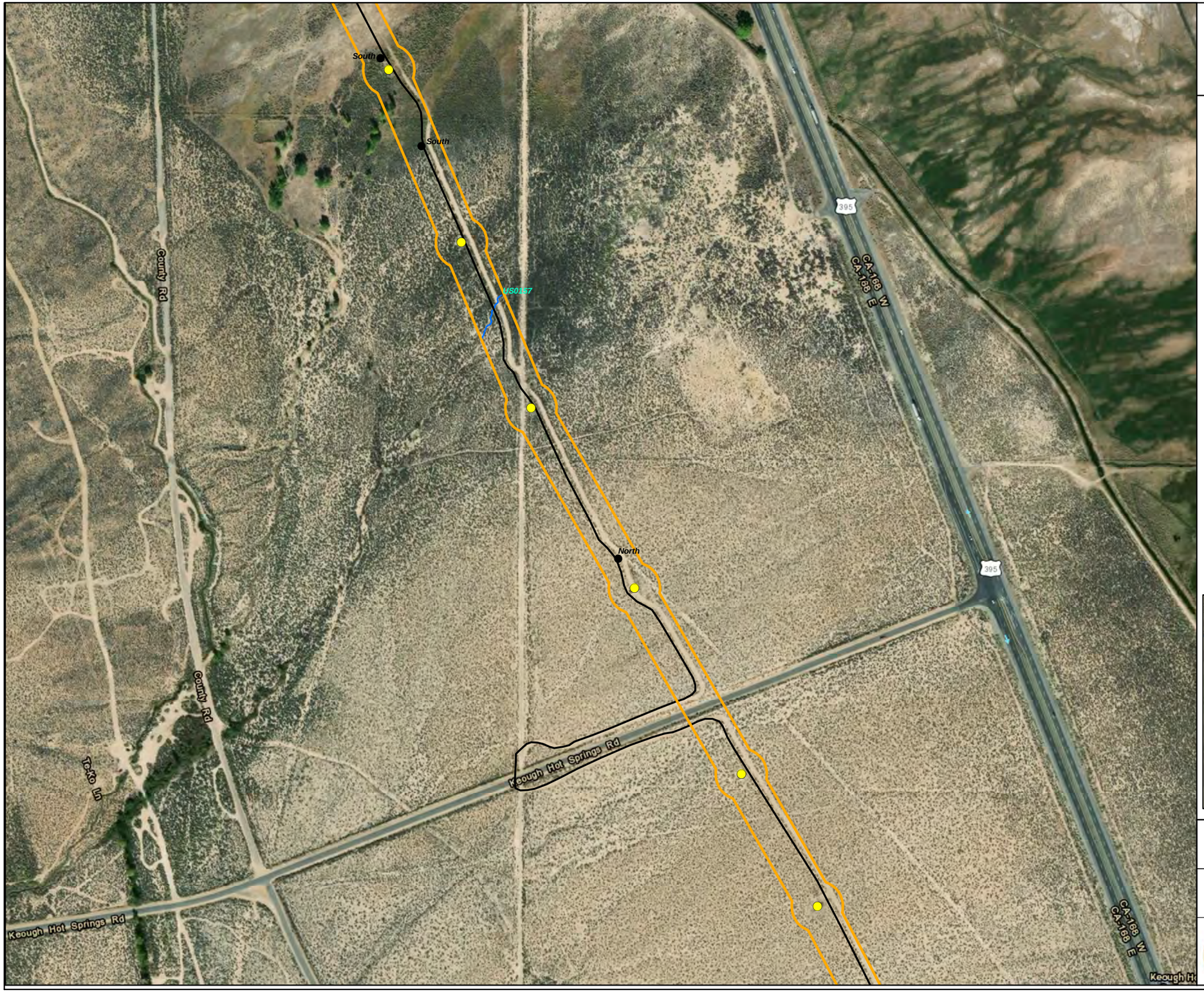

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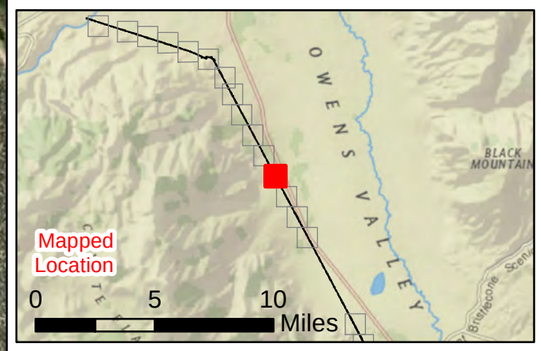

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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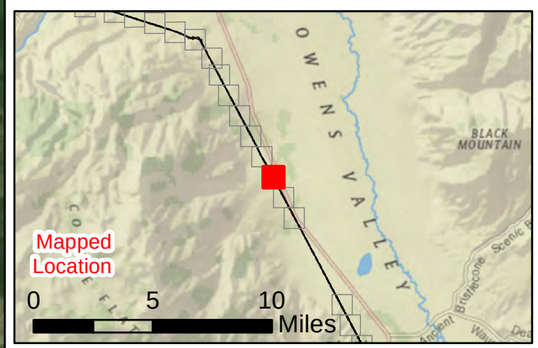
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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\\corparcgis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENV\SCE\SCE_TLLR\ArcGIS_Desktop\CH\TLLR CH_11_17_Landscape USACE JD Mapping.mxd 9/28/2018 adavis
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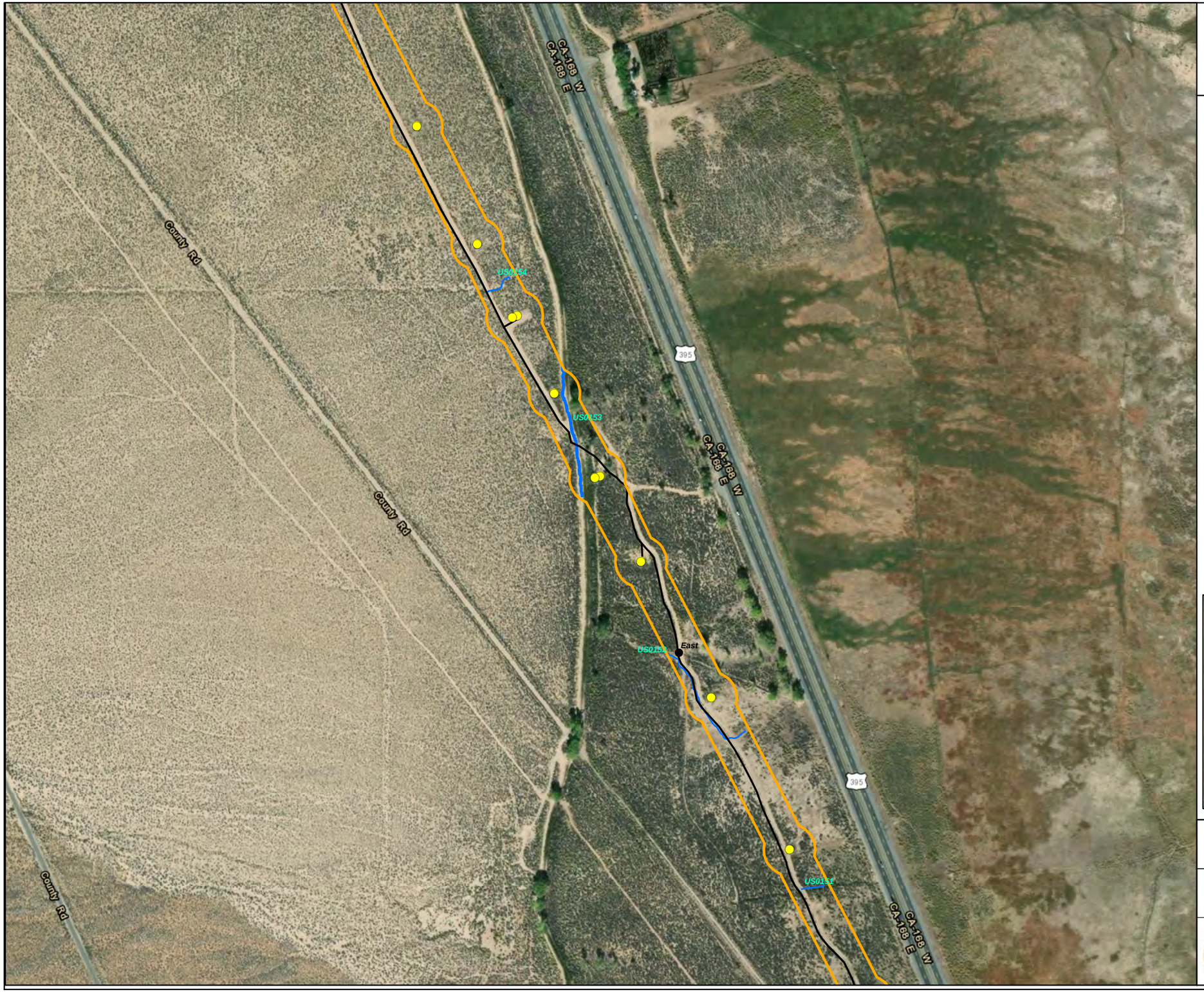
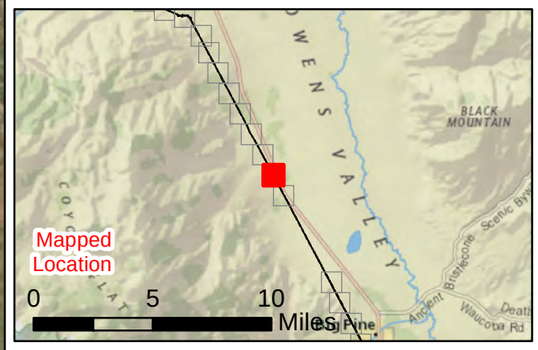


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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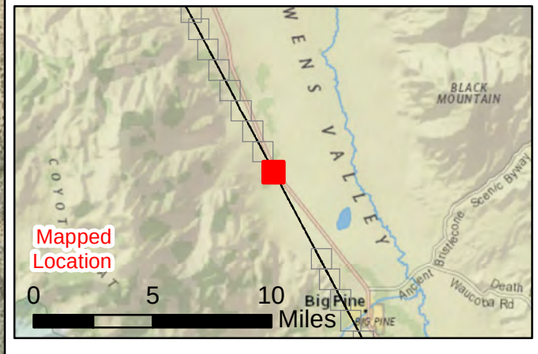
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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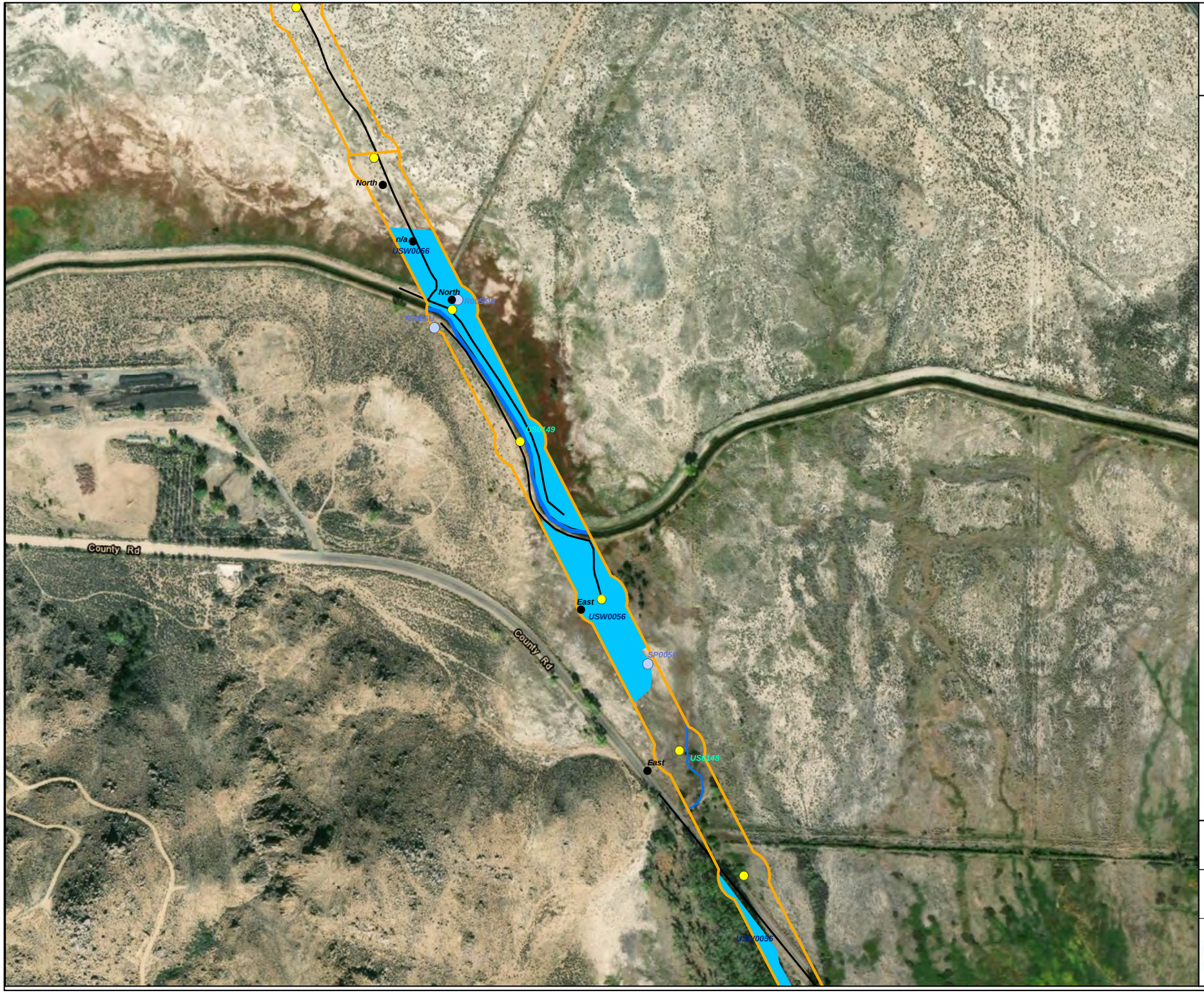

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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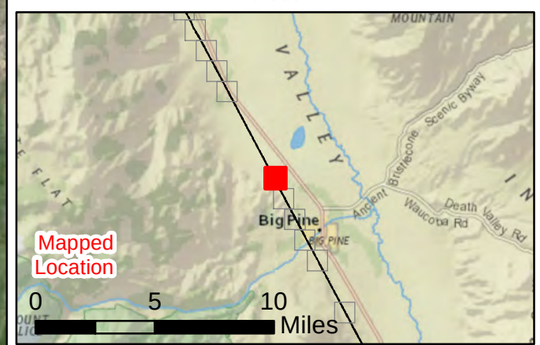
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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- USACE/RWQCB Wetland Waters
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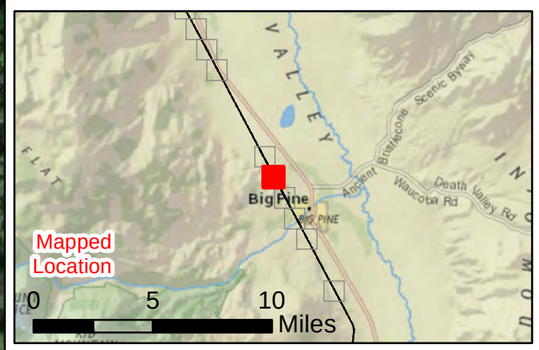
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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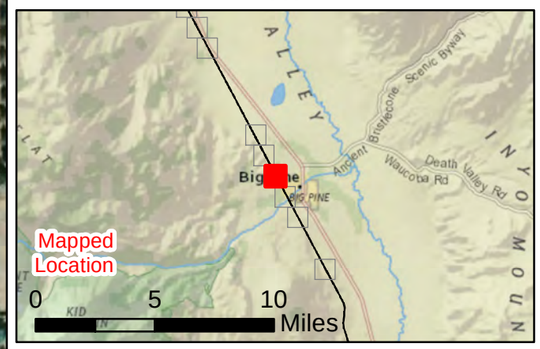
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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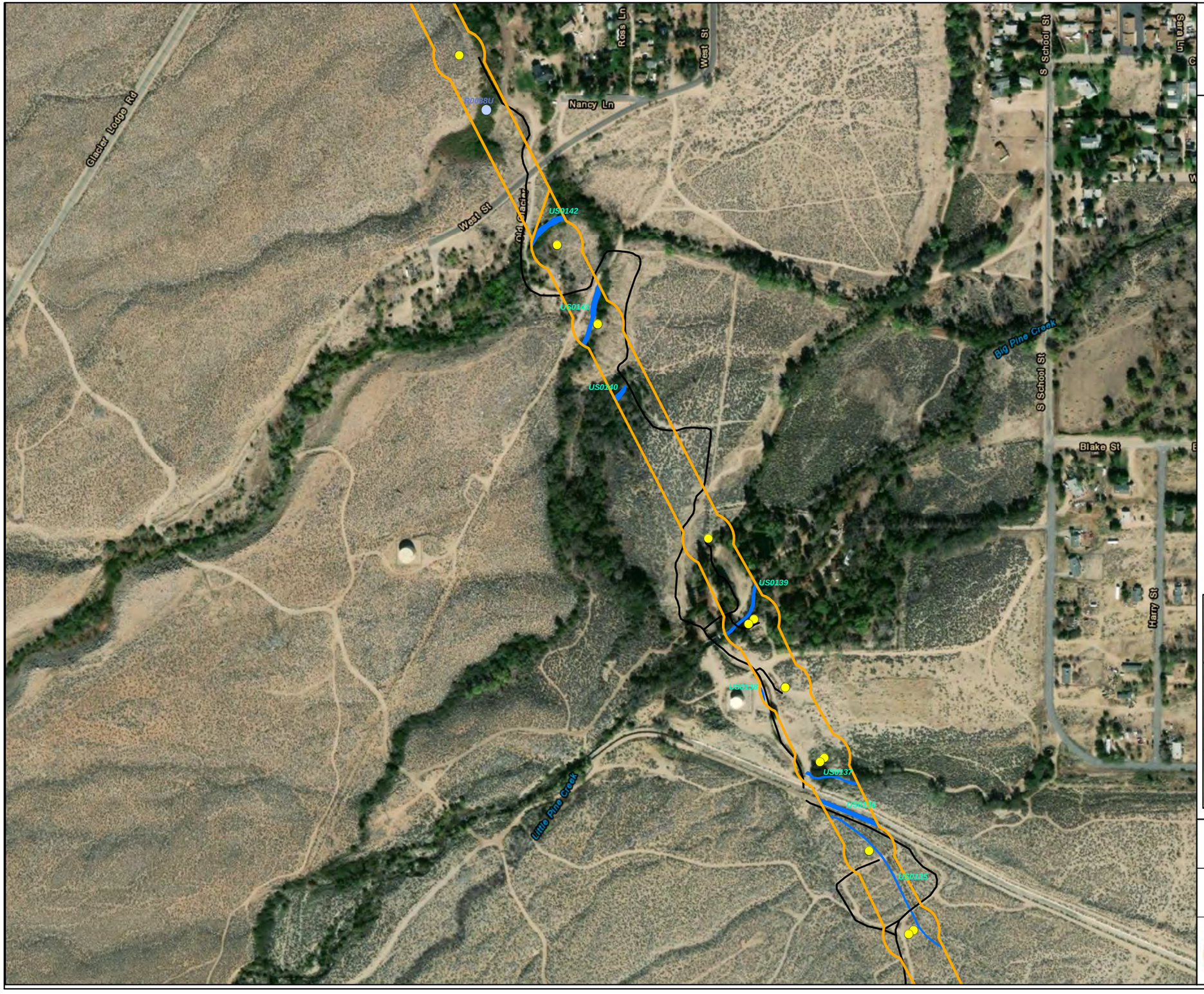
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
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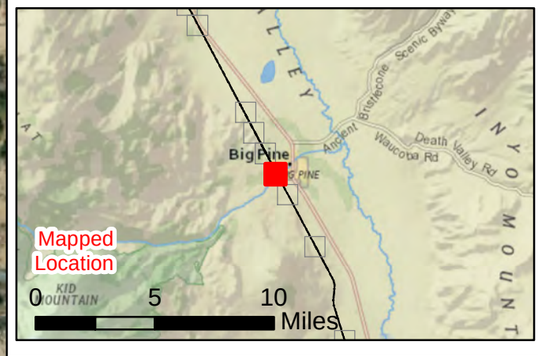
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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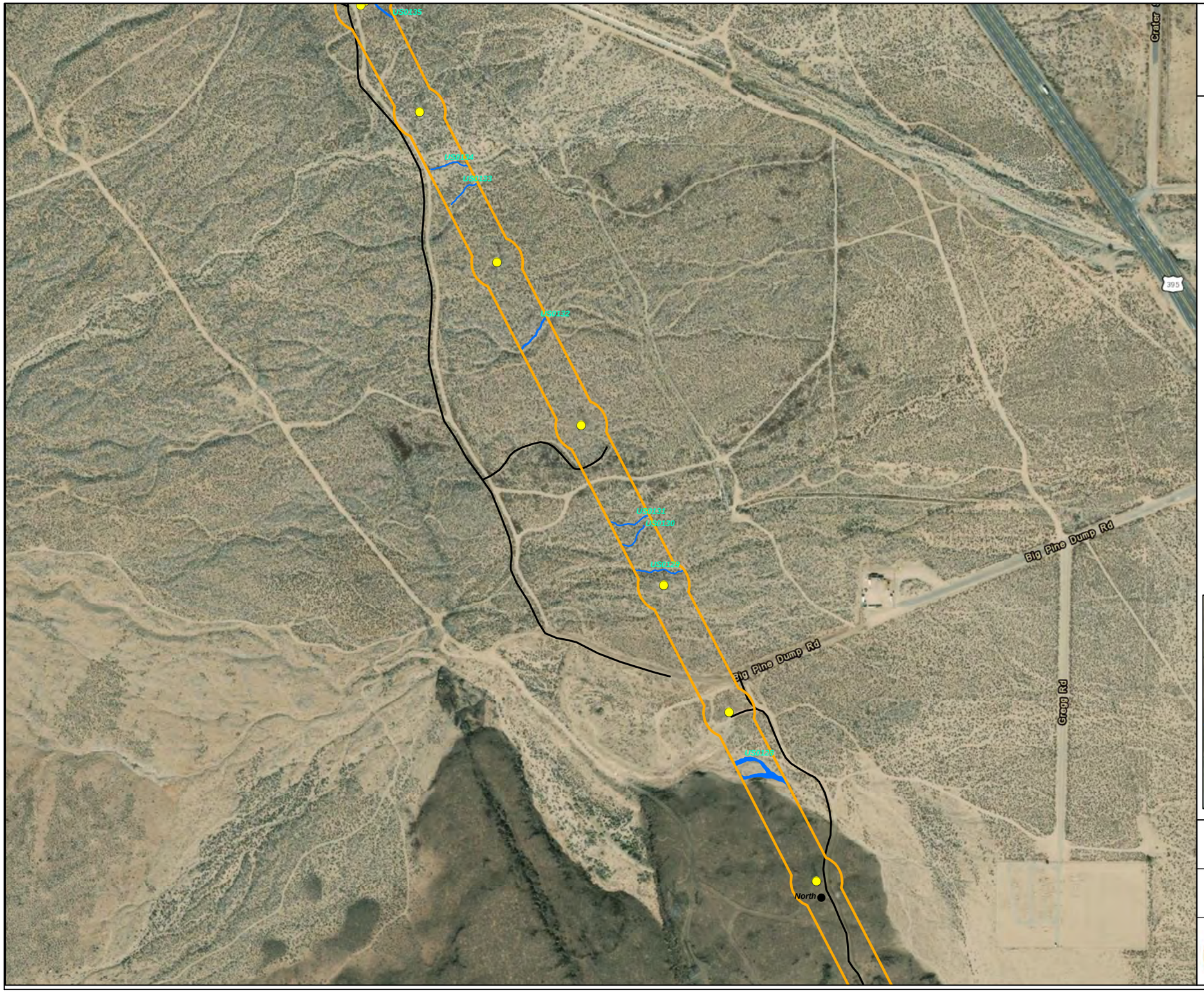
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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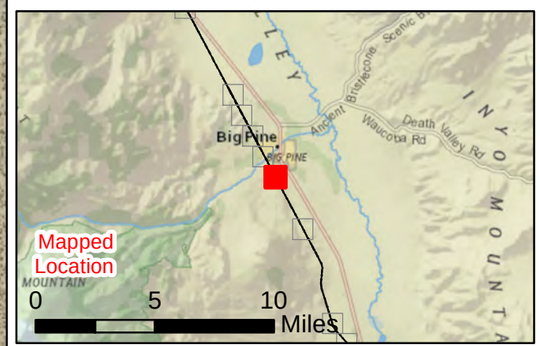
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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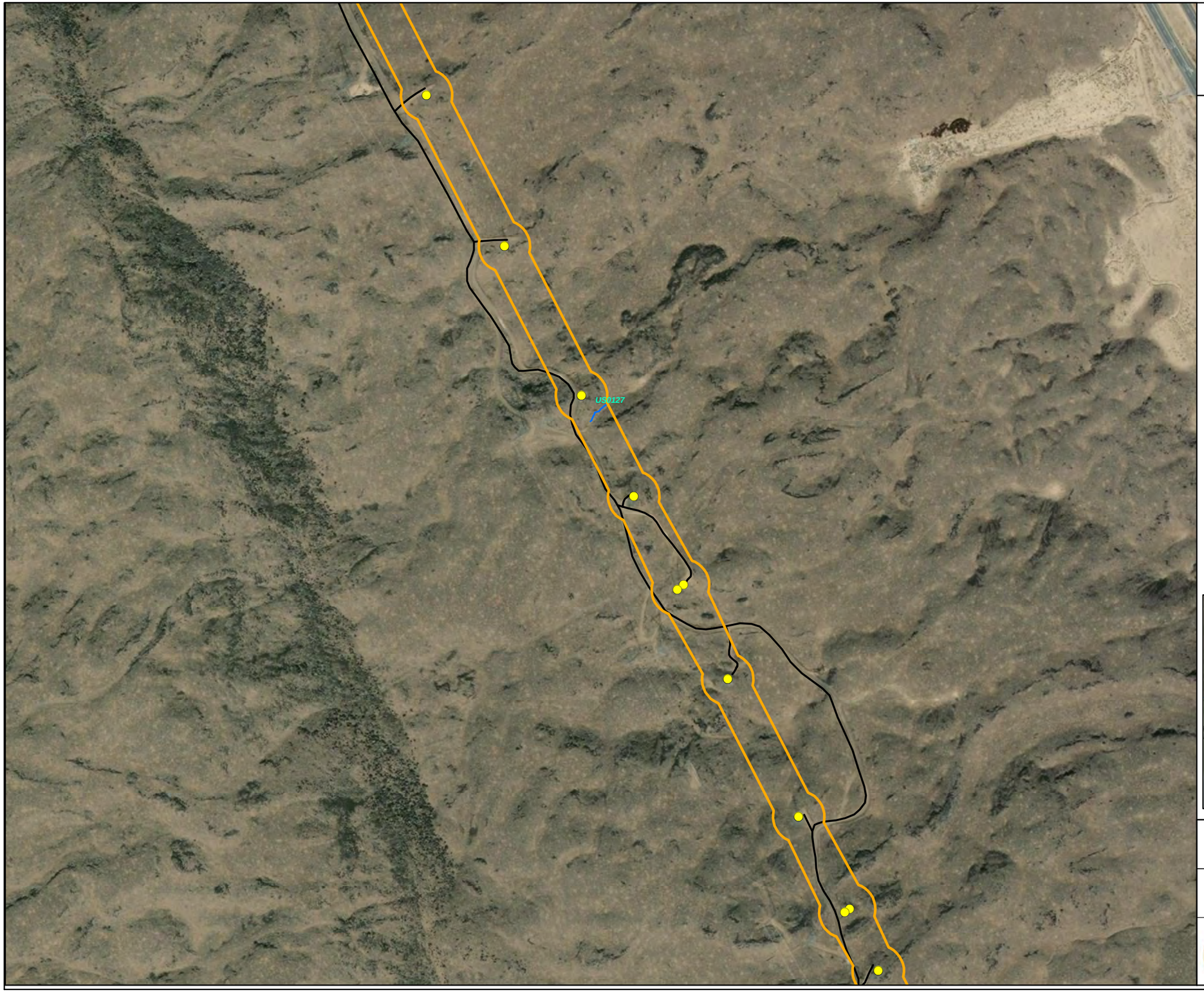

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Survey Area
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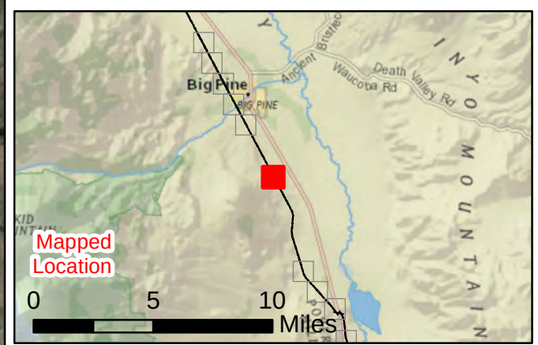
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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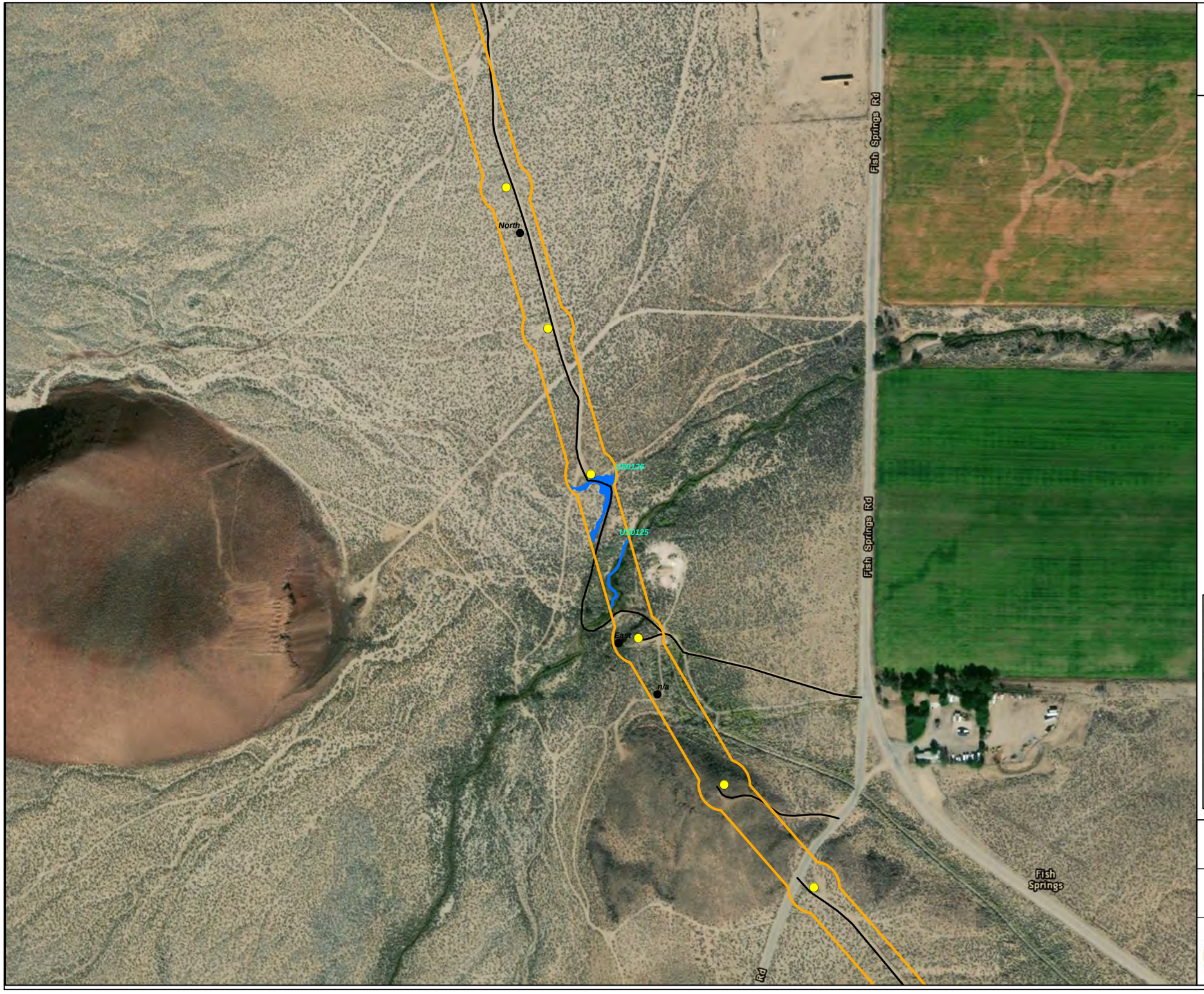

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
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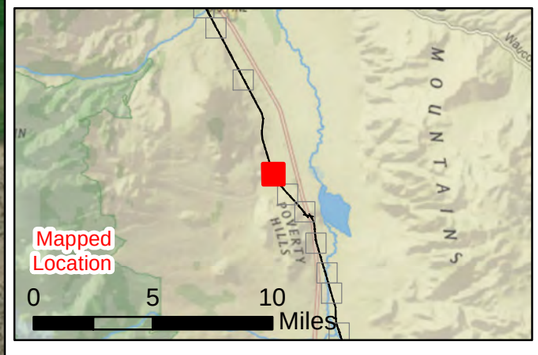
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Survey Area
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- USACE/RWQCB Wetland Waters
- Wetland Sample Location
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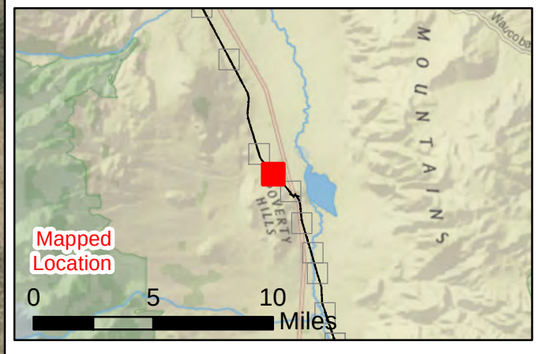
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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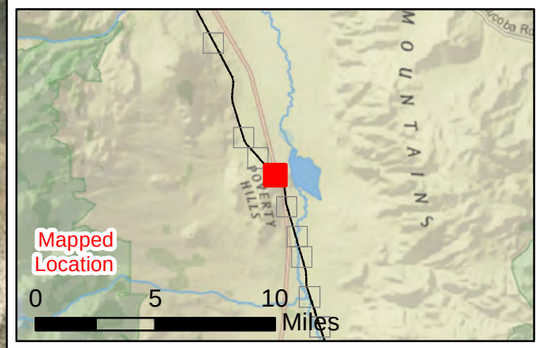

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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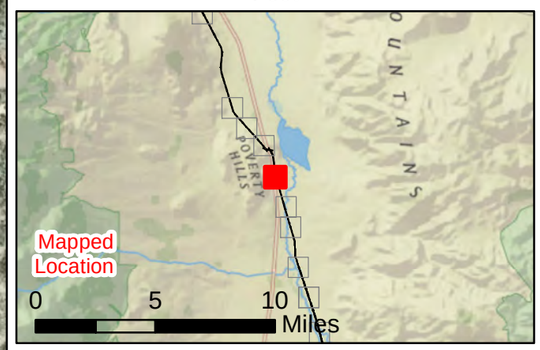
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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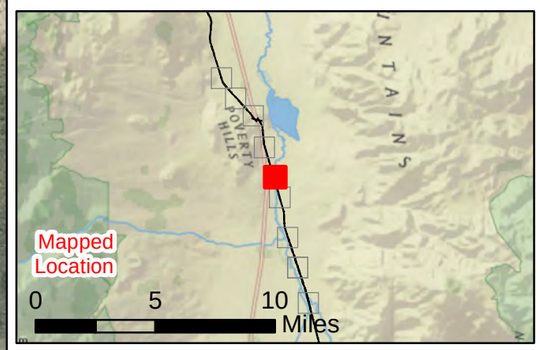
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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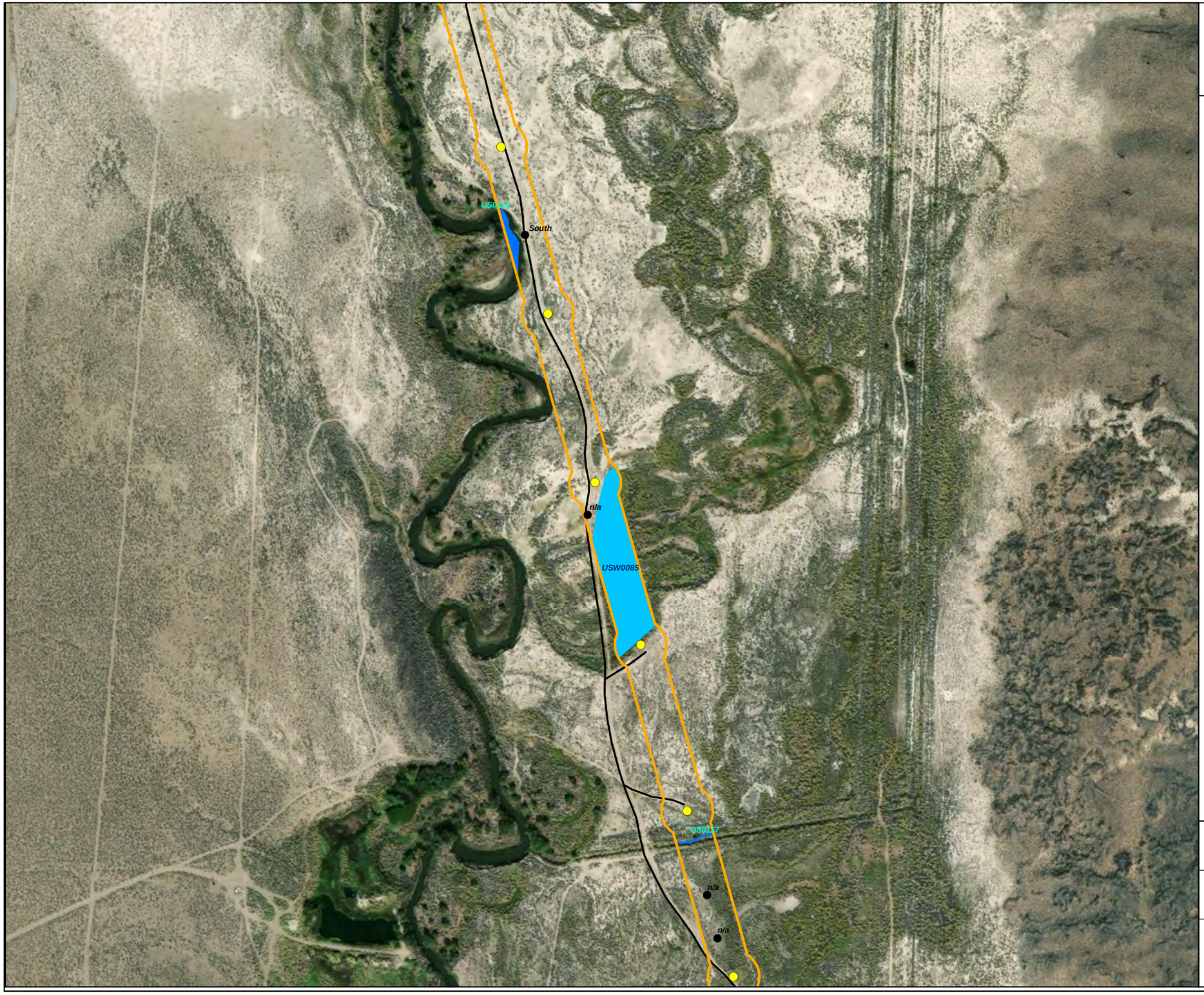

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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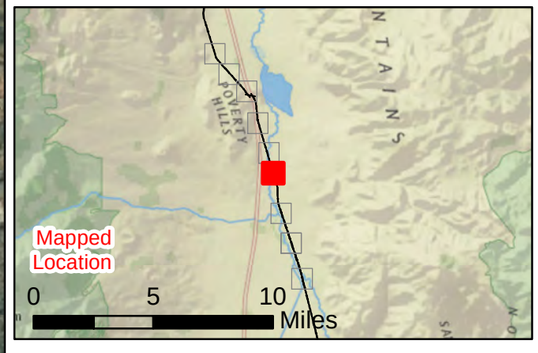
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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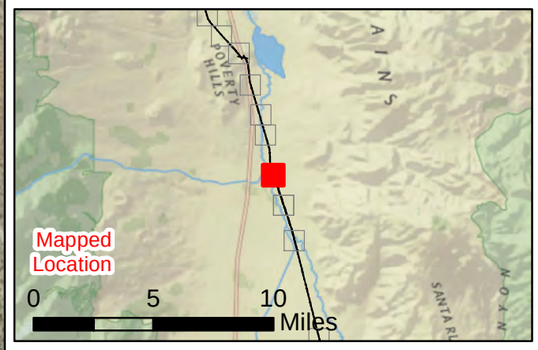

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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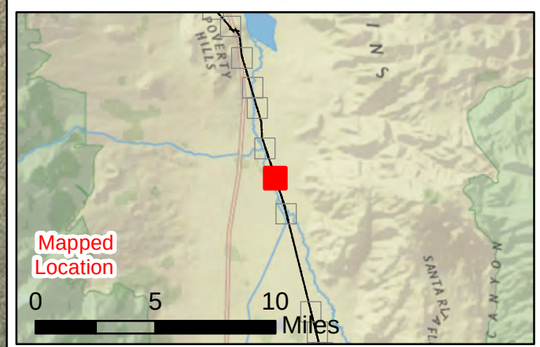

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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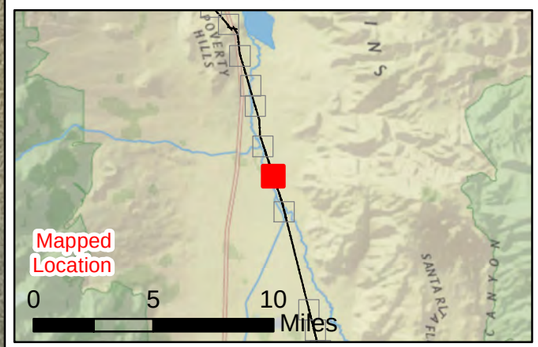

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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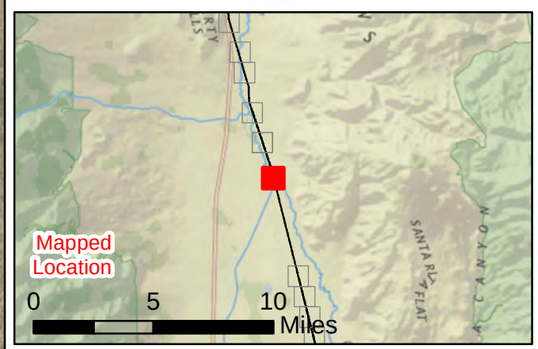

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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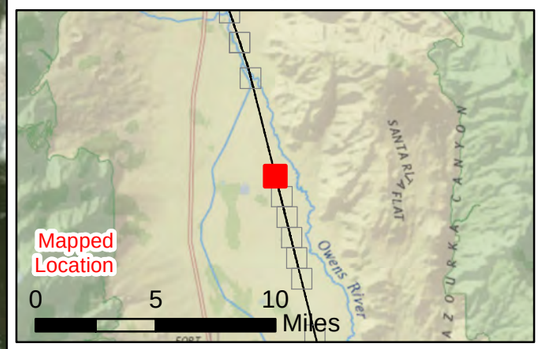

Transmission Line Rating Remediation Project

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ARCADIS

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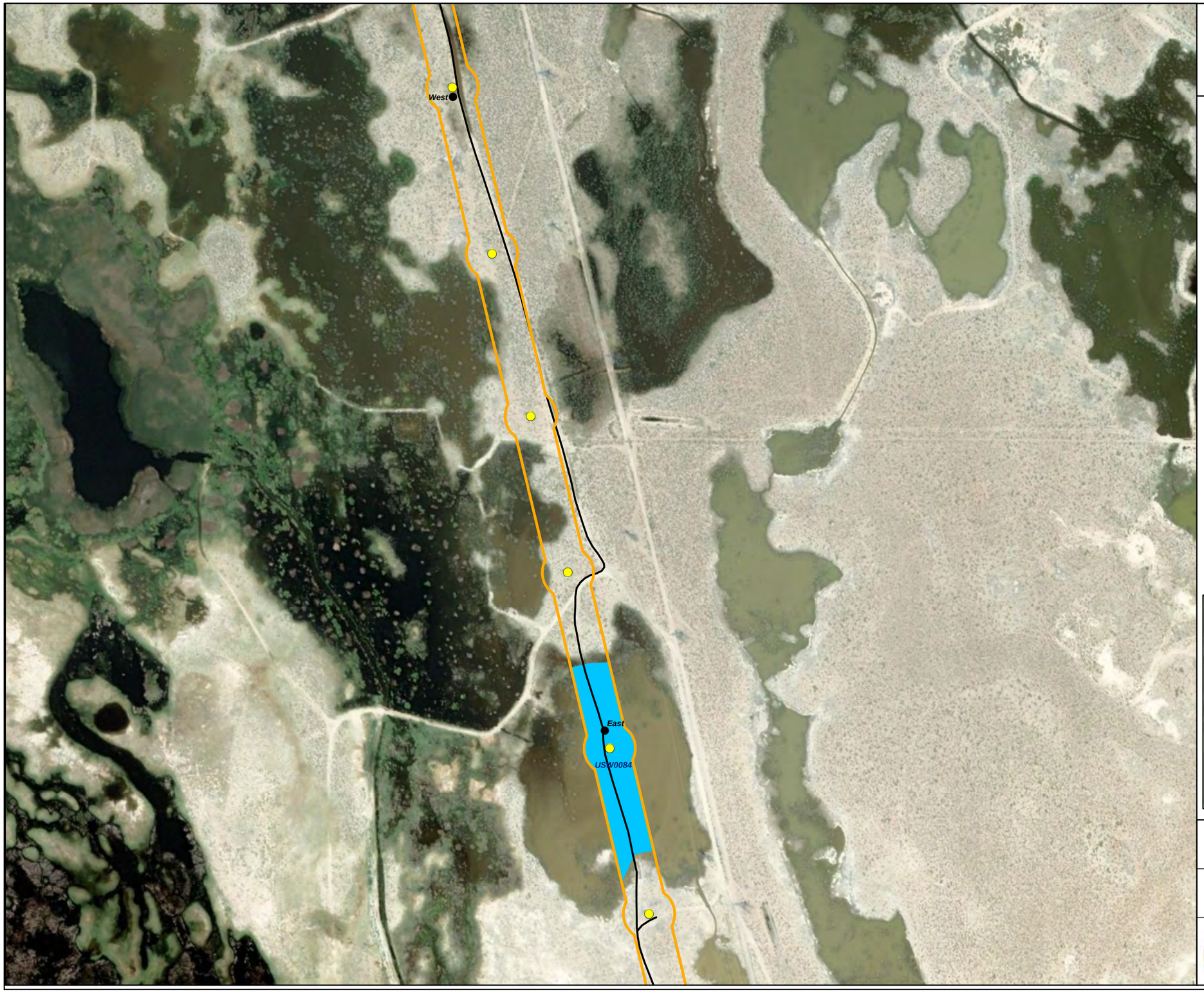
Coordinate System: NAD 1983 UTM Zone 11N

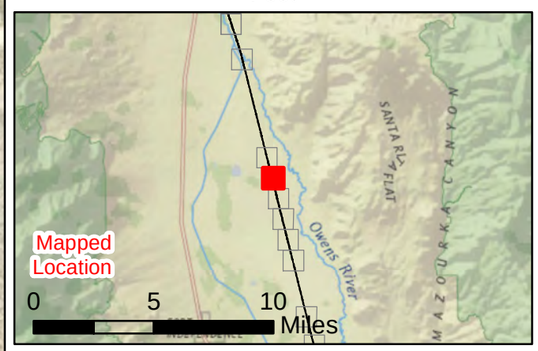


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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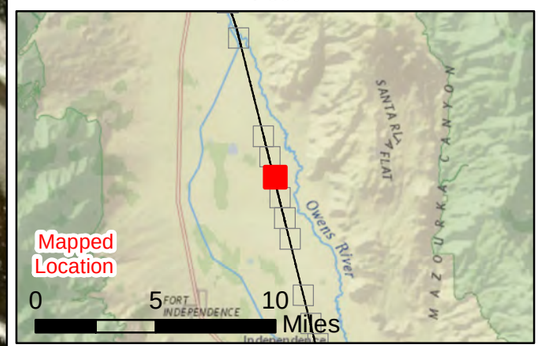
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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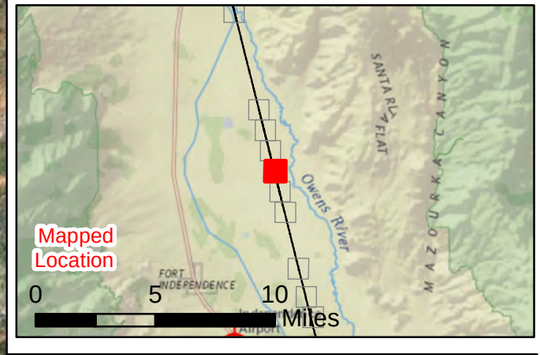
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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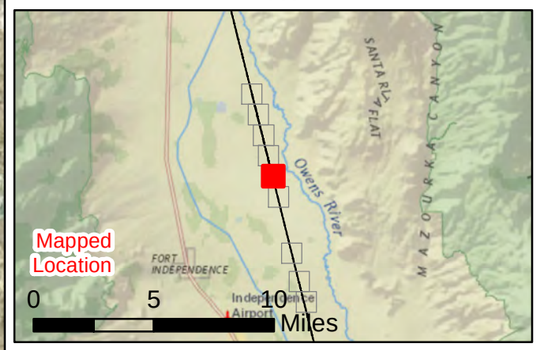
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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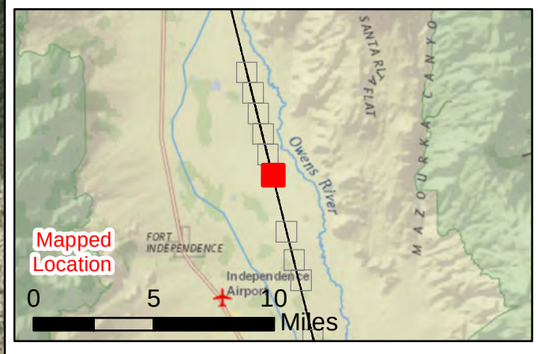
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

Figure:

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\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENVSCESCE_TLLRArcGIS_Desktop\CHTTLLR CH_11_17_Landscape USACE JD Mapping.mxd 9/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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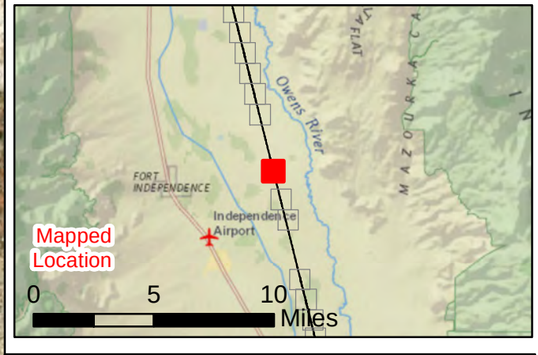
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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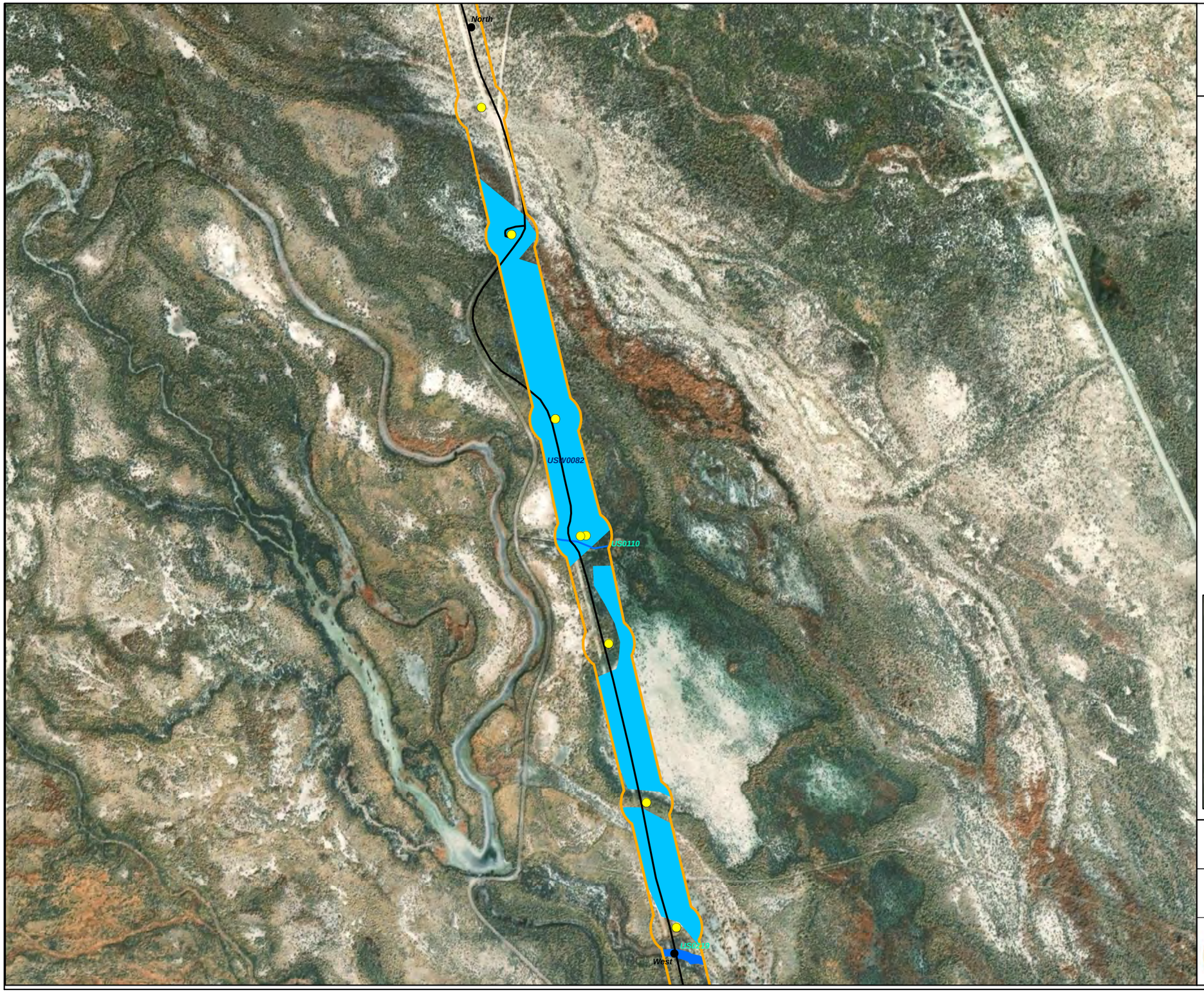
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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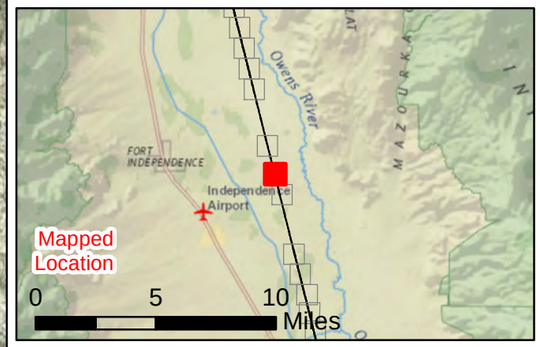
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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\\corparcgis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENVSCESCE_TLLRArcGIS_Desktop\CHTLLR CH_11_17_Landscape USACE JD Mapping.mxd 9/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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- 100 Foot Radius Tower Buffer
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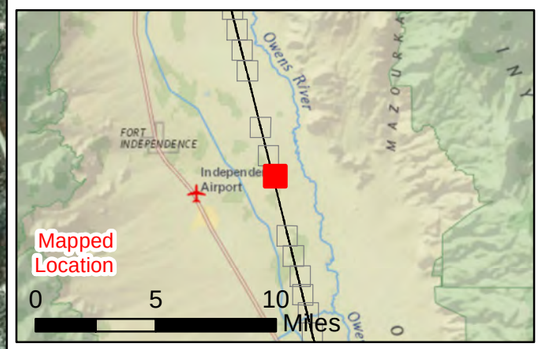
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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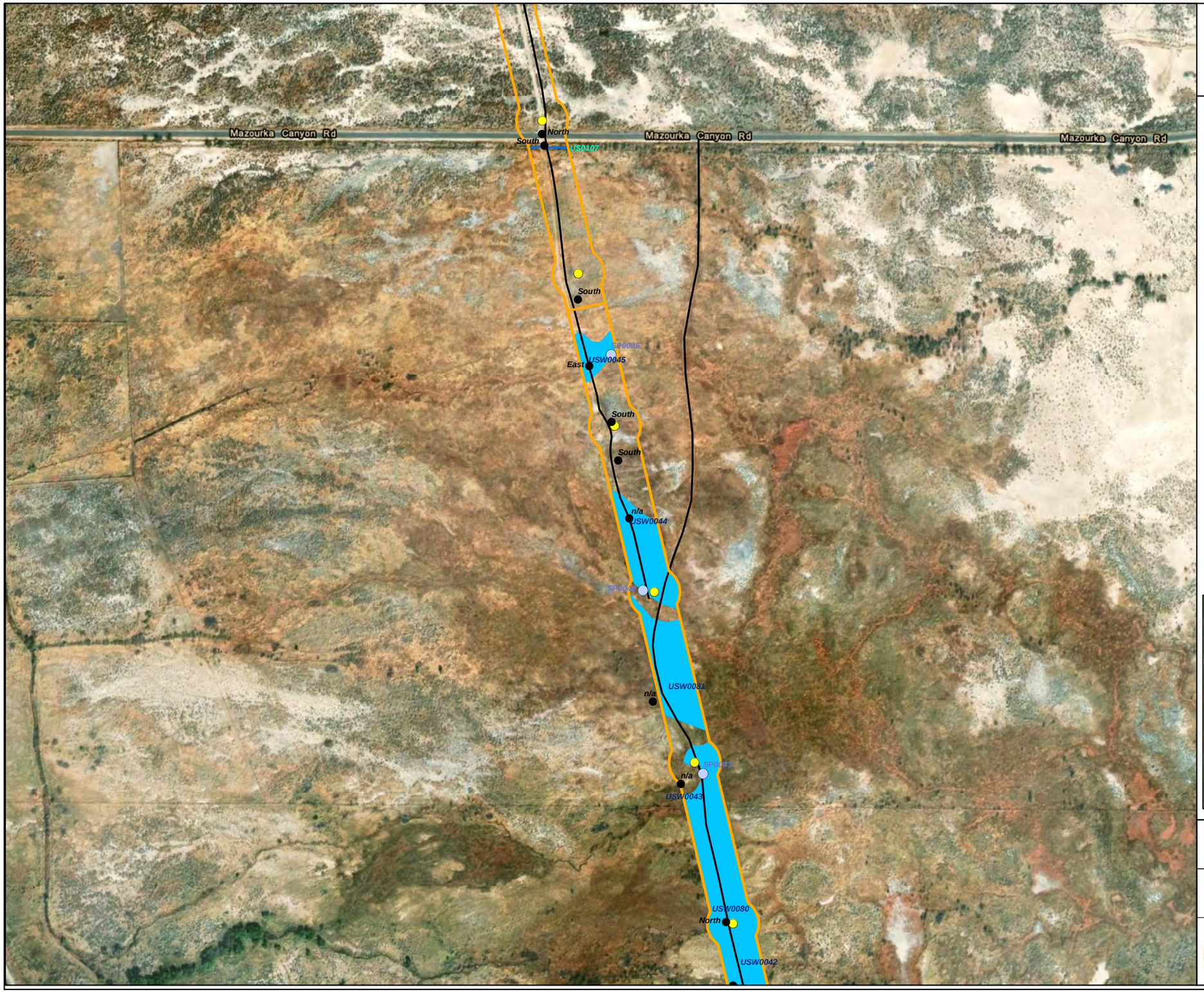
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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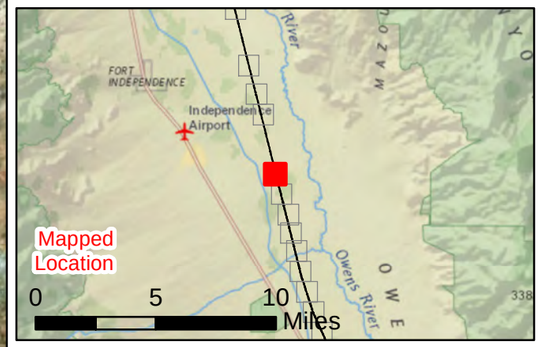
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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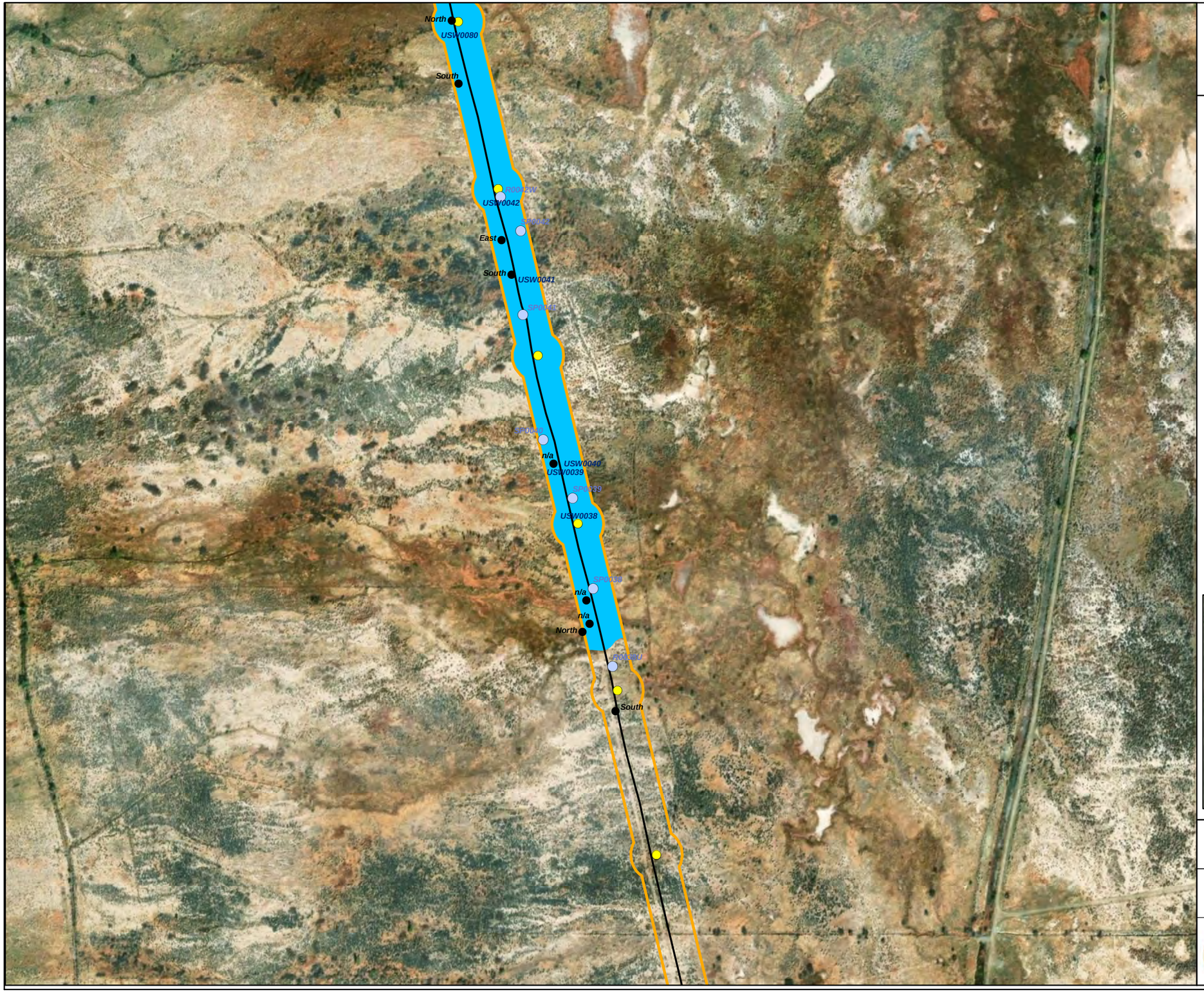
\\corpargis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENVSCESCE_TLLRArcGIS_Desktop\CHTLLR CH_11_17_Landscape USACE JD Mapping.mxd 9/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
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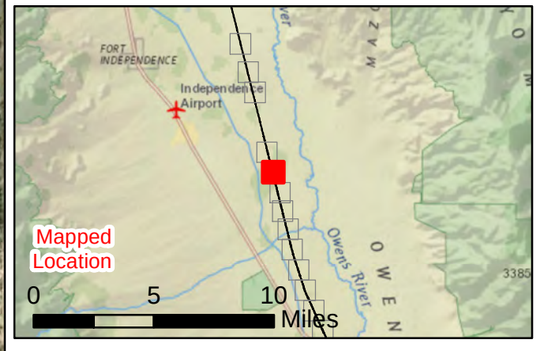
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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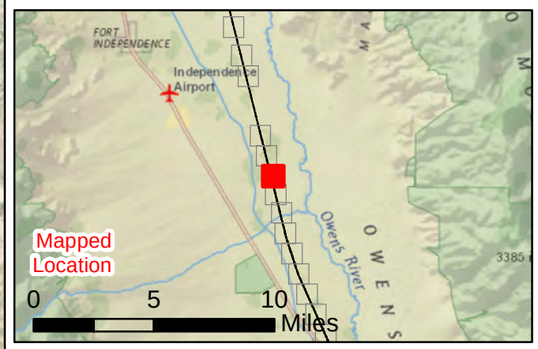
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Wetland Sample Location
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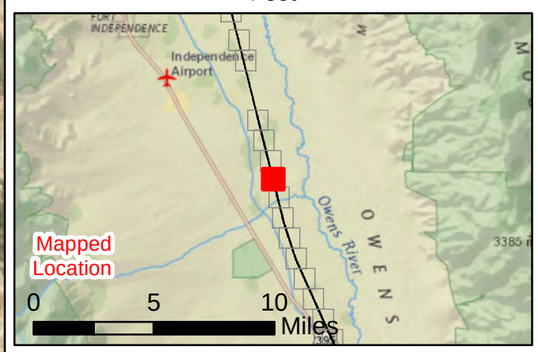
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Survey Area
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- USACE/RWQCB Wetland Waters
- Wetland Sample Location
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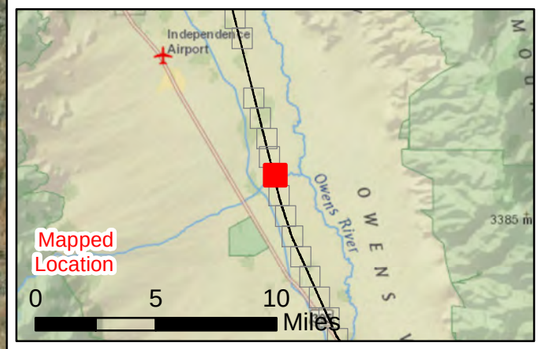
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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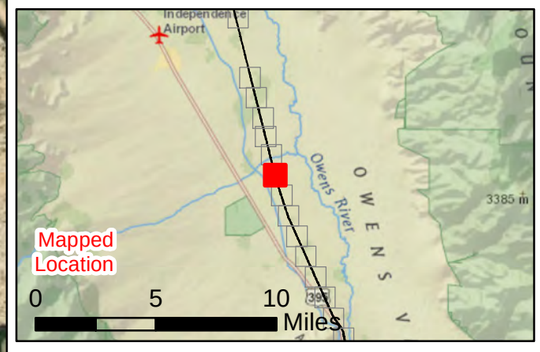
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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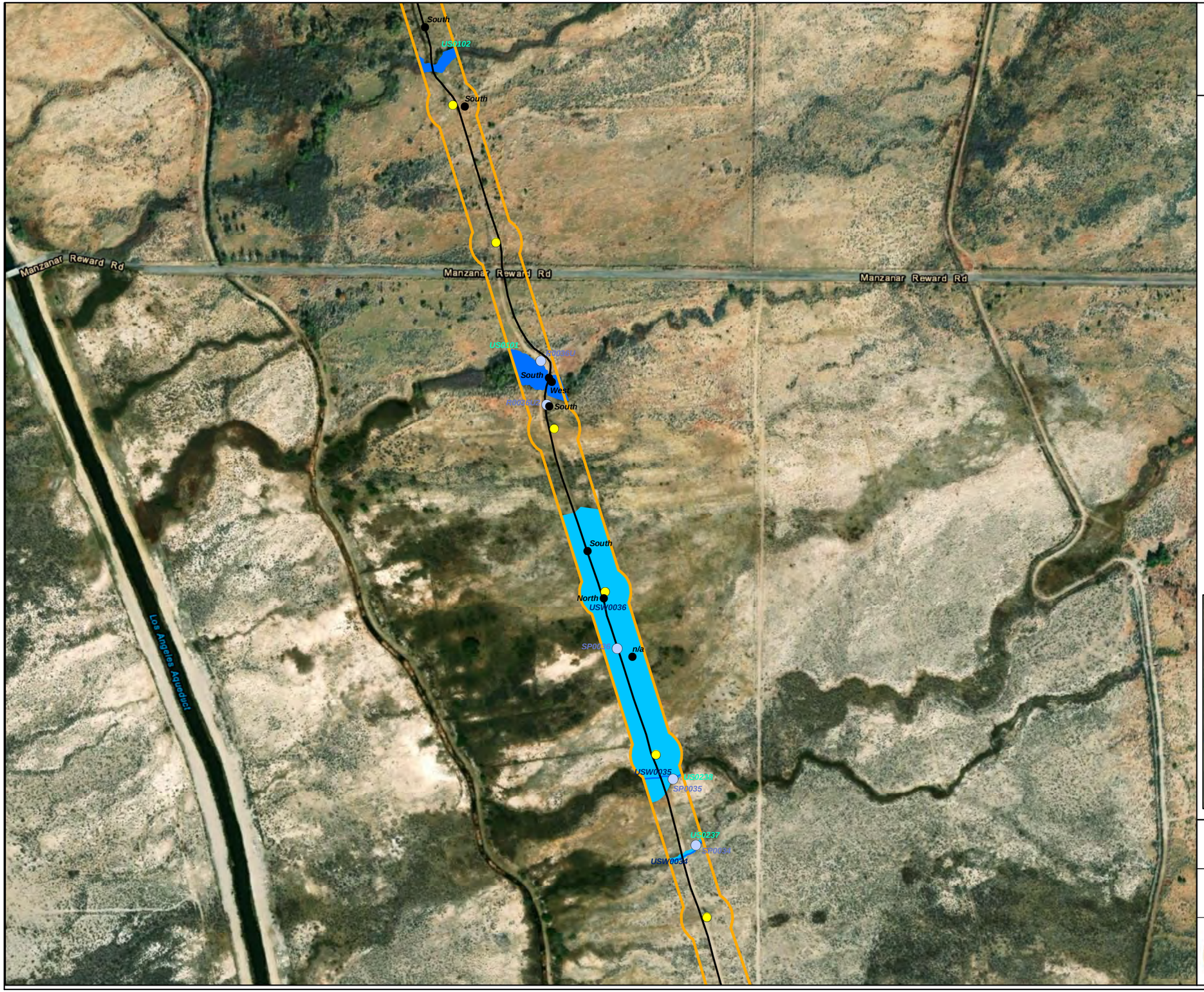
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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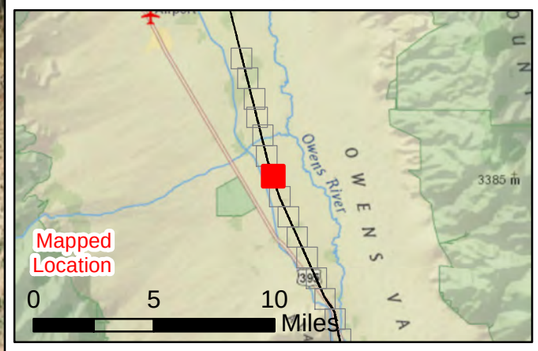
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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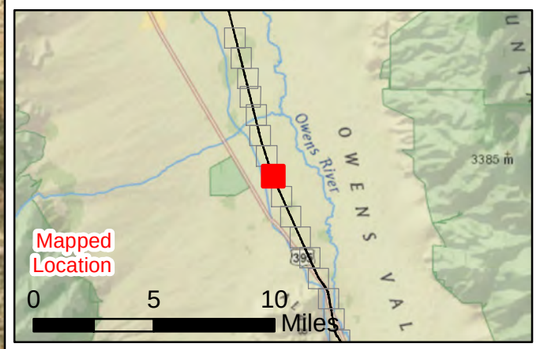

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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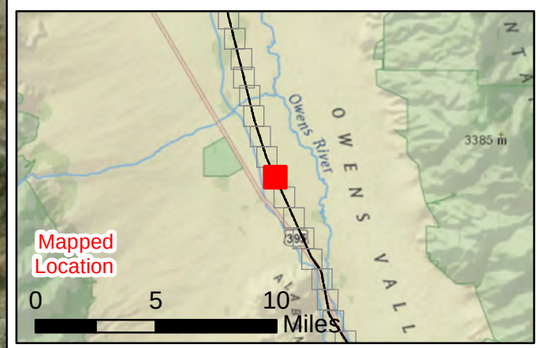

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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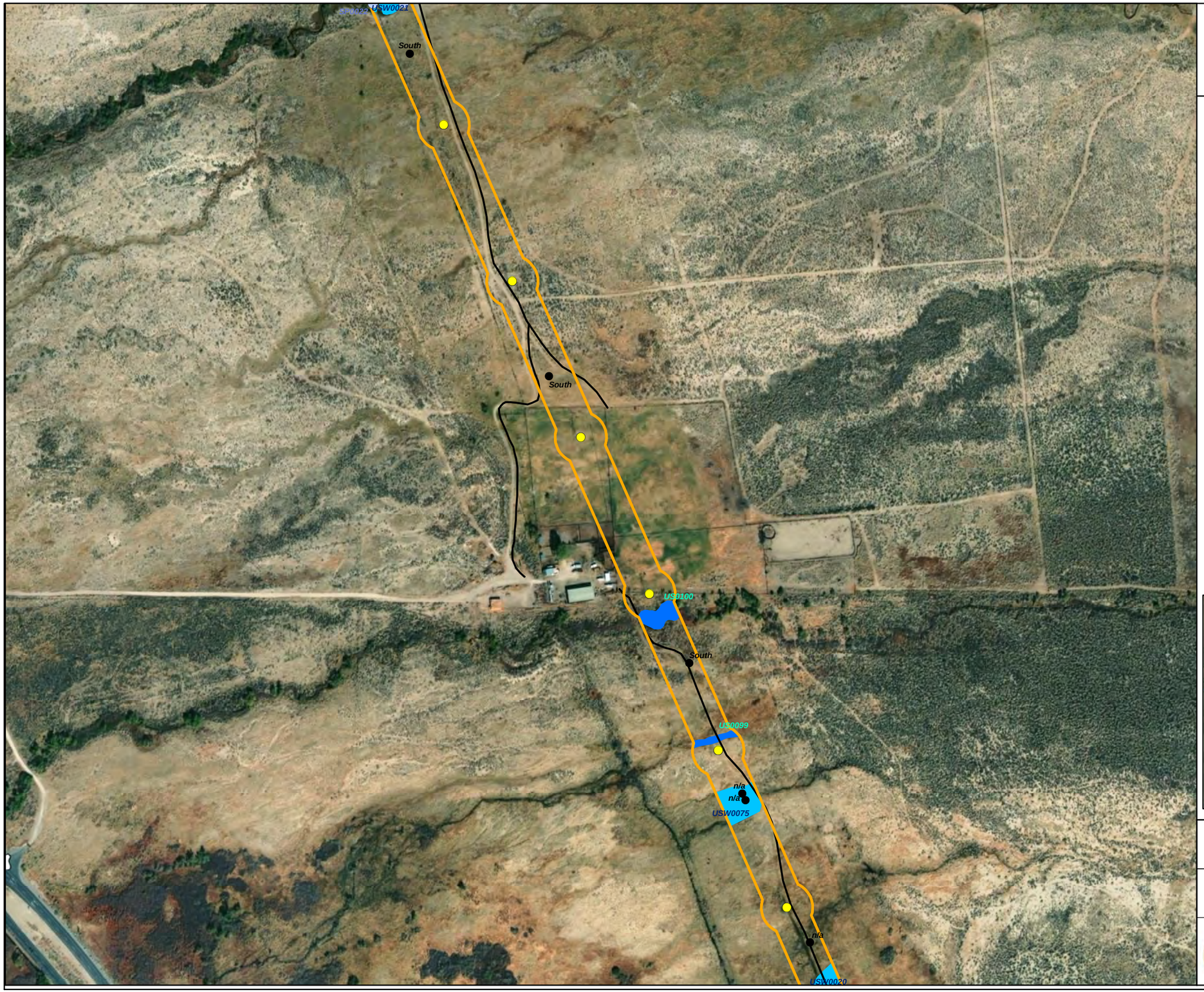

SOUTHERN CALIFORNIA EDISON
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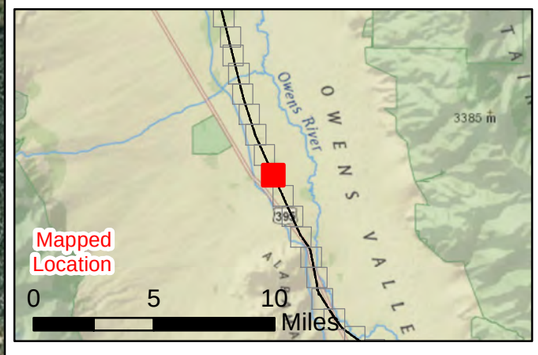

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

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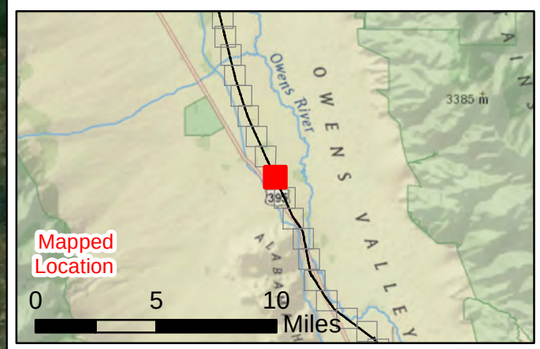

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

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- Wetland Sample Location
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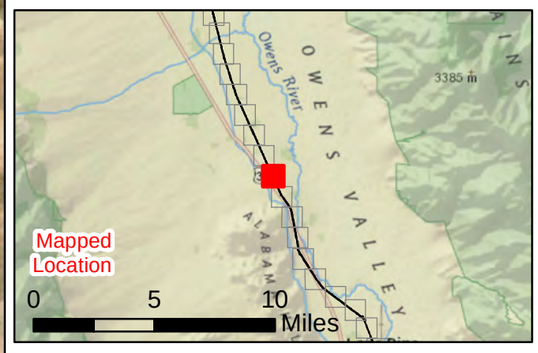
0 500 1,000
Feet



Transmission Line Rating Remediation Project

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ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

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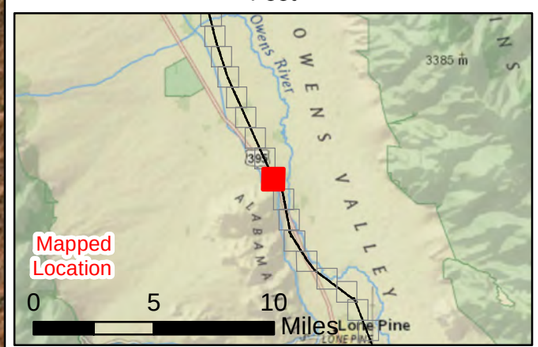
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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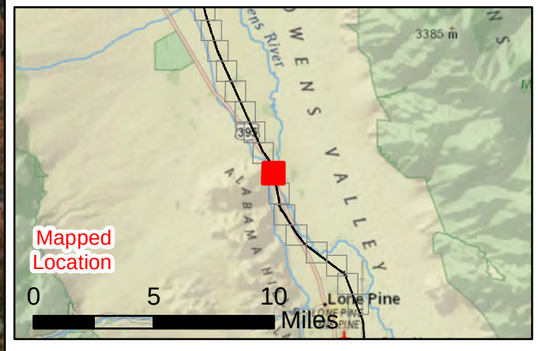
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:
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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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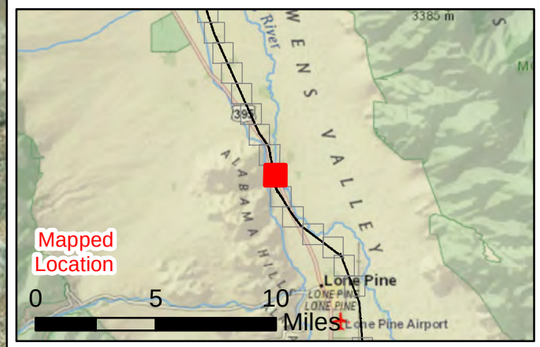
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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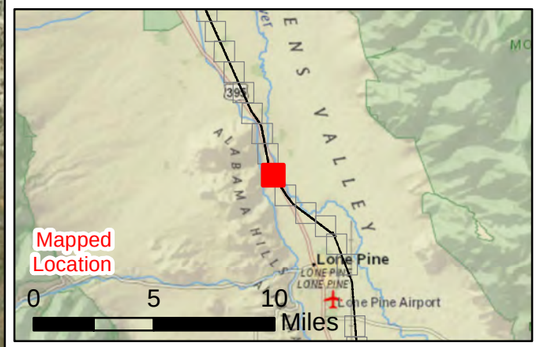
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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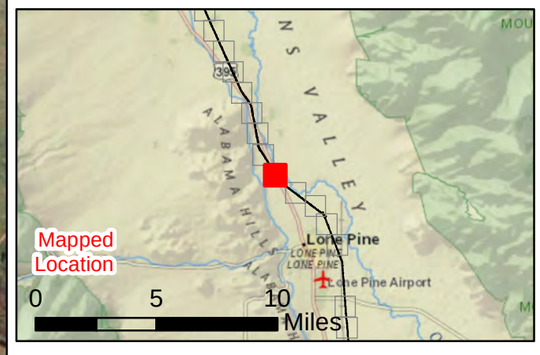
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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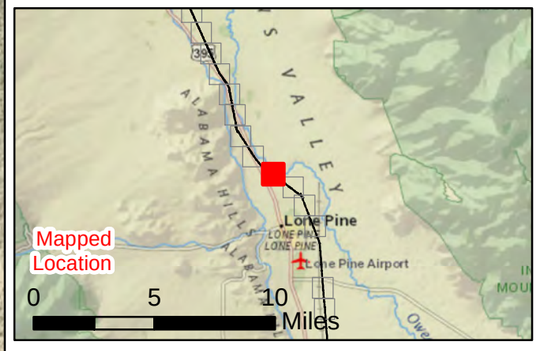
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:
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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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- Wetland Sample Location
- Substation Location
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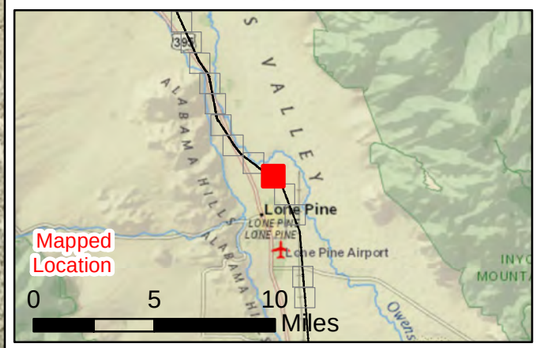
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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\\corparcgis\Data\ArcGIs\Data\GISPROJECTS_ENV Z:\GISProjects_ENV\SCE\SCE_TLLR\ArcGIS_Desktop\CH\TLLR CH_11_17_Landscape USACE JD Mapping.mxd 9/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N

East
USW0009
SP0009
n/a
USW0088
Lone Pine Narrow Gauge Rd
Lone Pine Narrow Gauge Rd
Lone Pine Narrow Gauge Rd
USW0216
USW0215
USW0084
West
East
USW0085

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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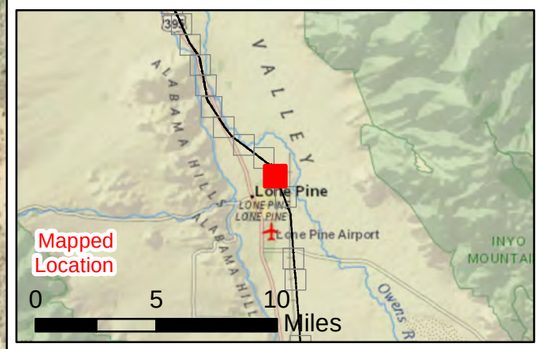
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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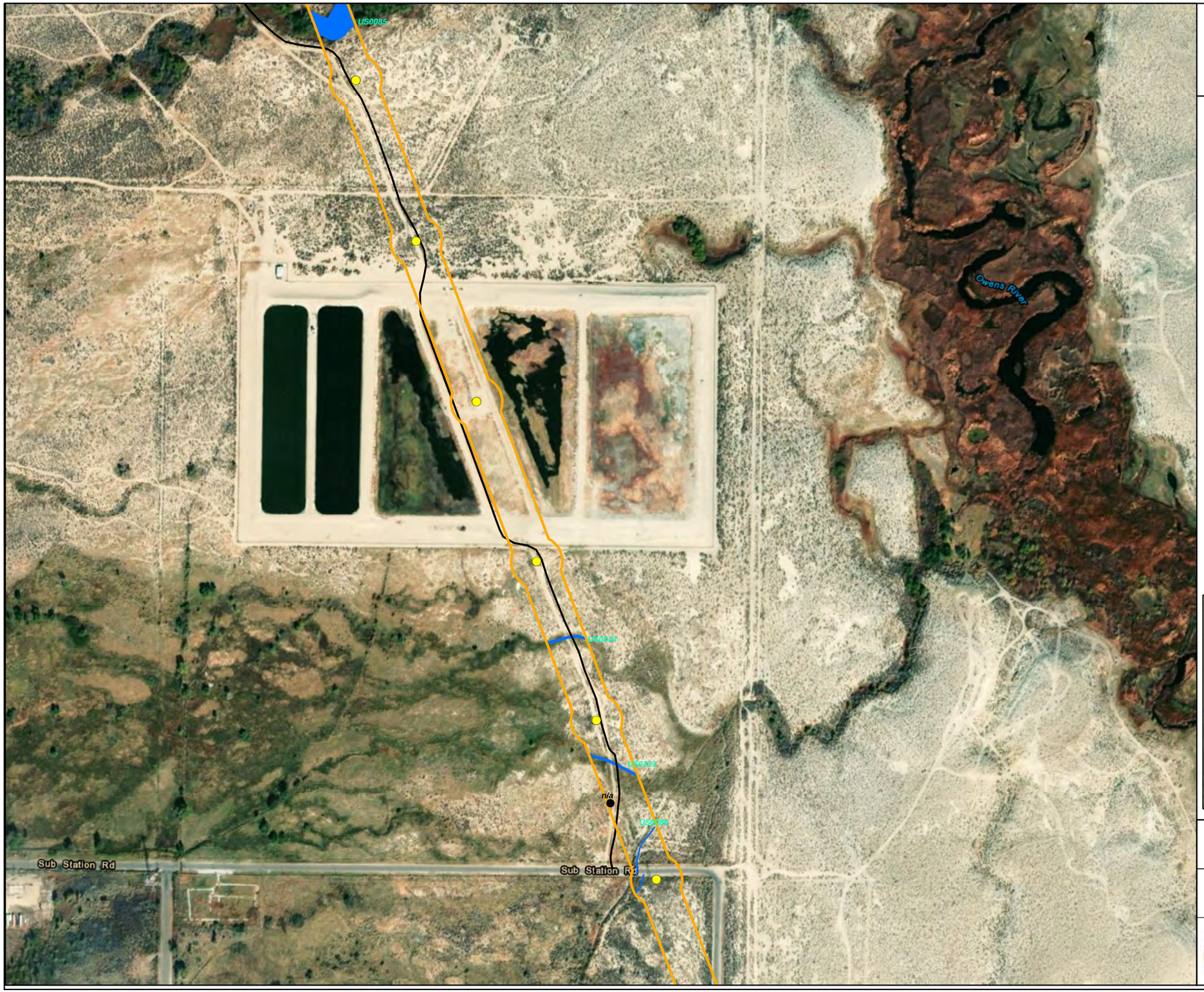

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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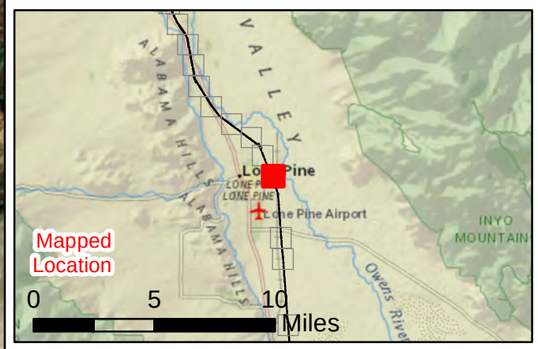
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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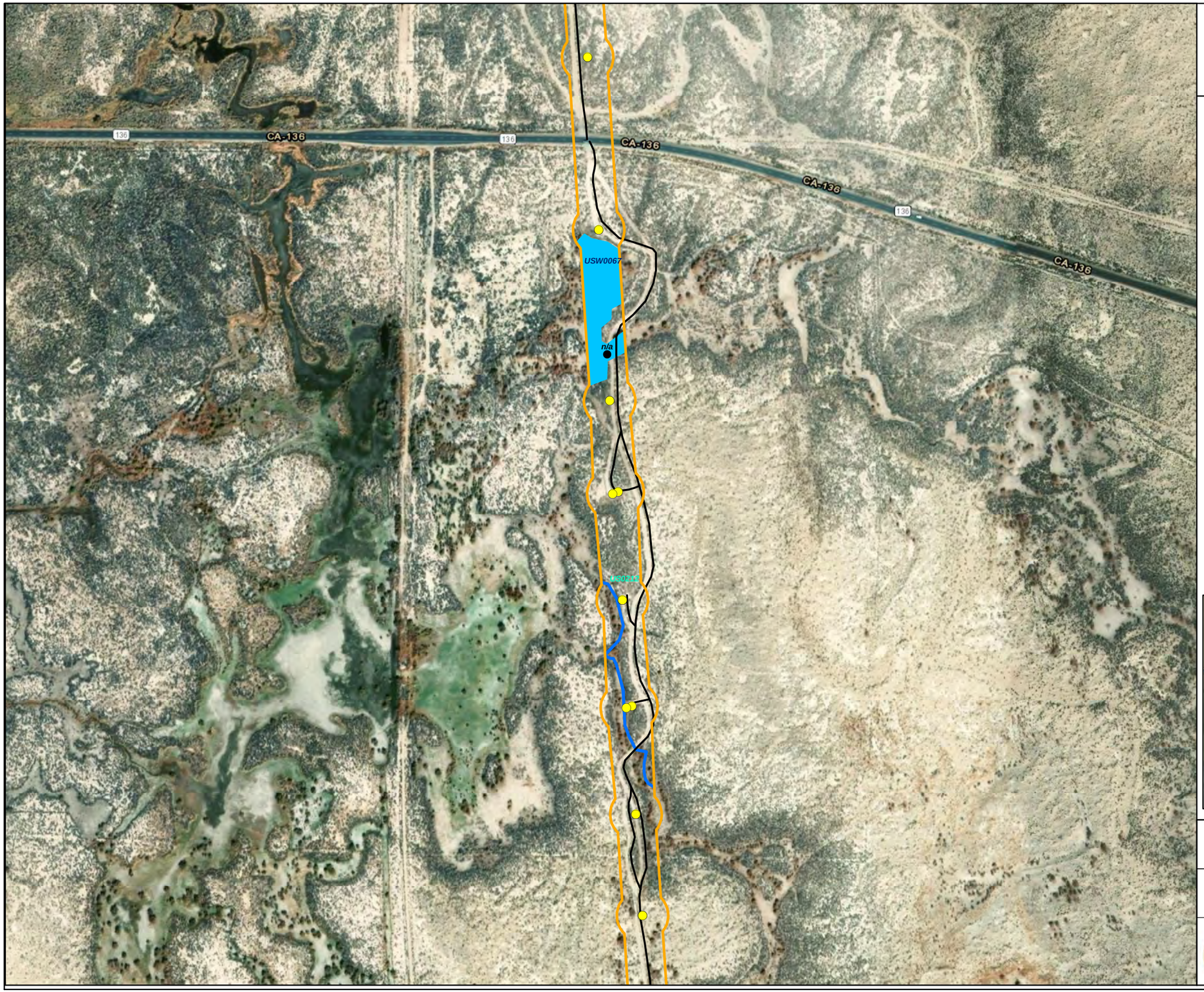
\\corparcgis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENV\SCE\SCE_TLLR\ArcGIS_Desktop\CH\TLLR CH_11_17_Landscape USACE JD Mapping.mxd 9/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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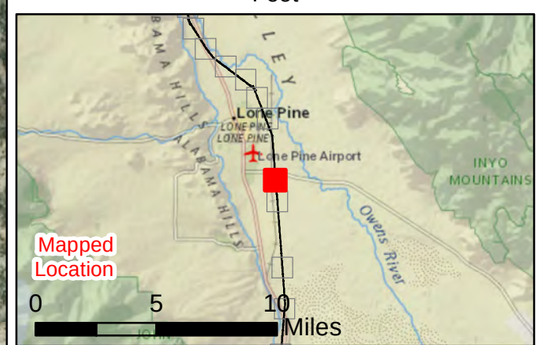
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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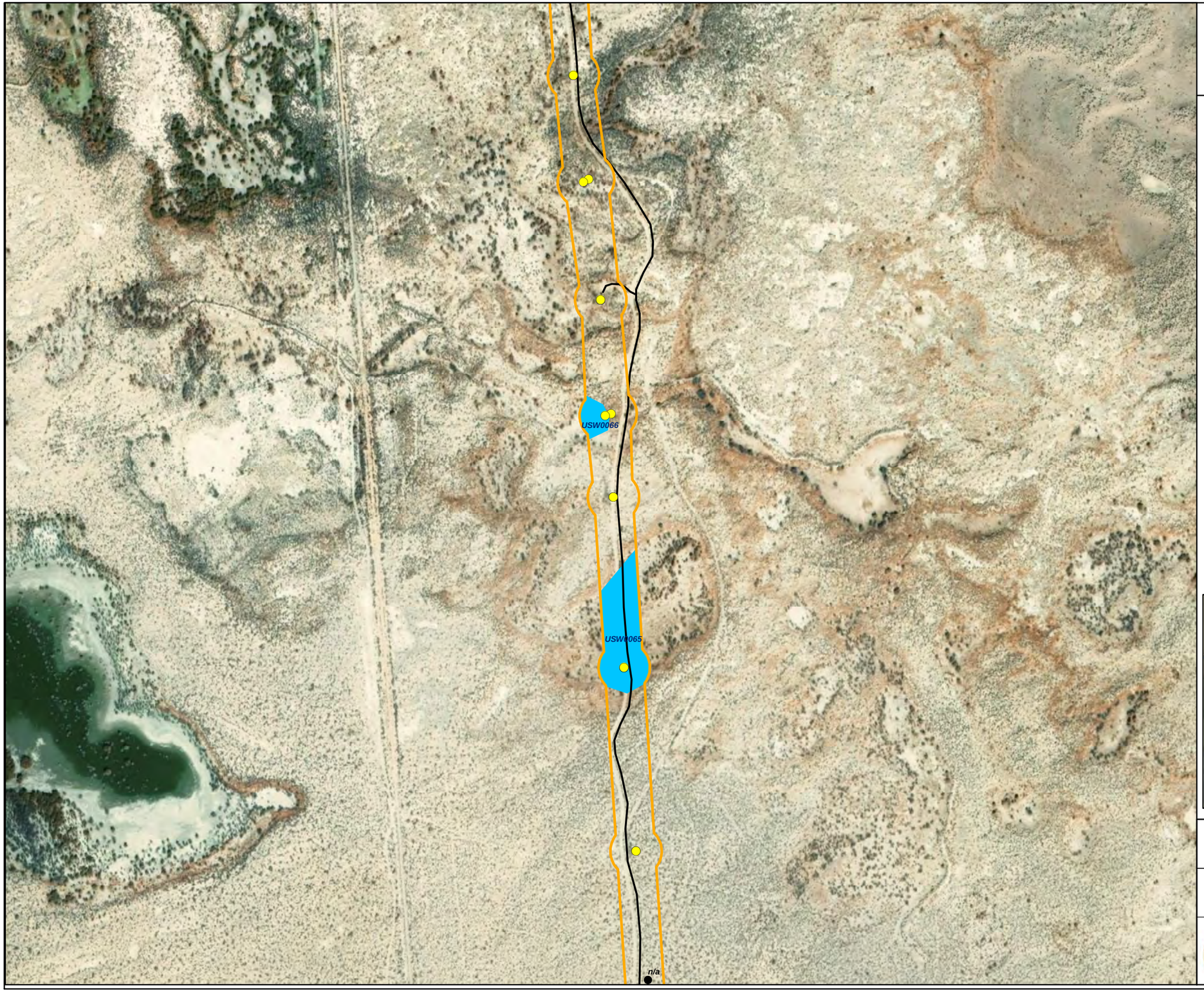
\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENVSCE\SCE_TLLR\ArcGIS_Desktop\CH\TLLR CH_11_17_Landscape USACE JD Mapping.mxd 9/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
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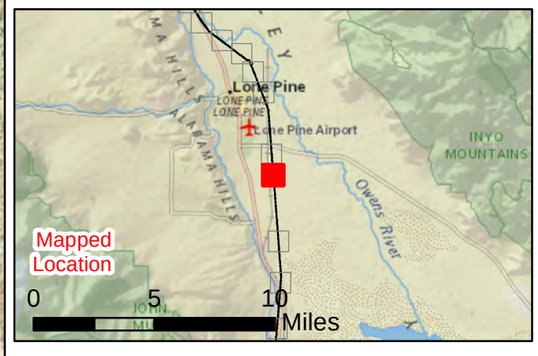
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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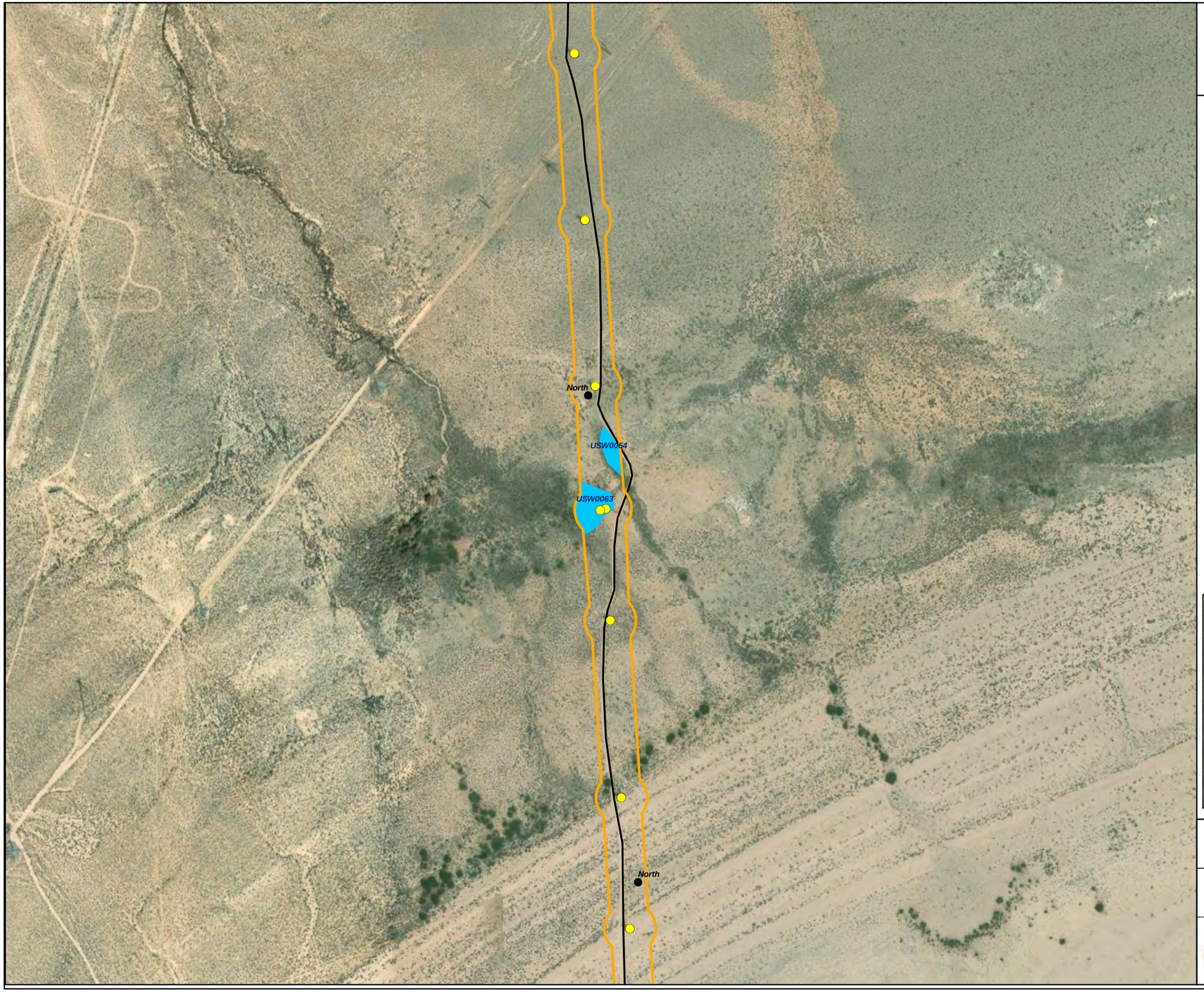
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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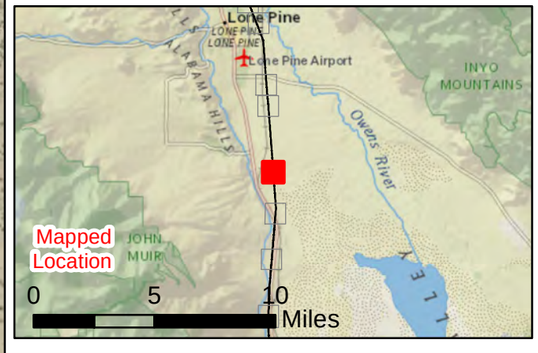
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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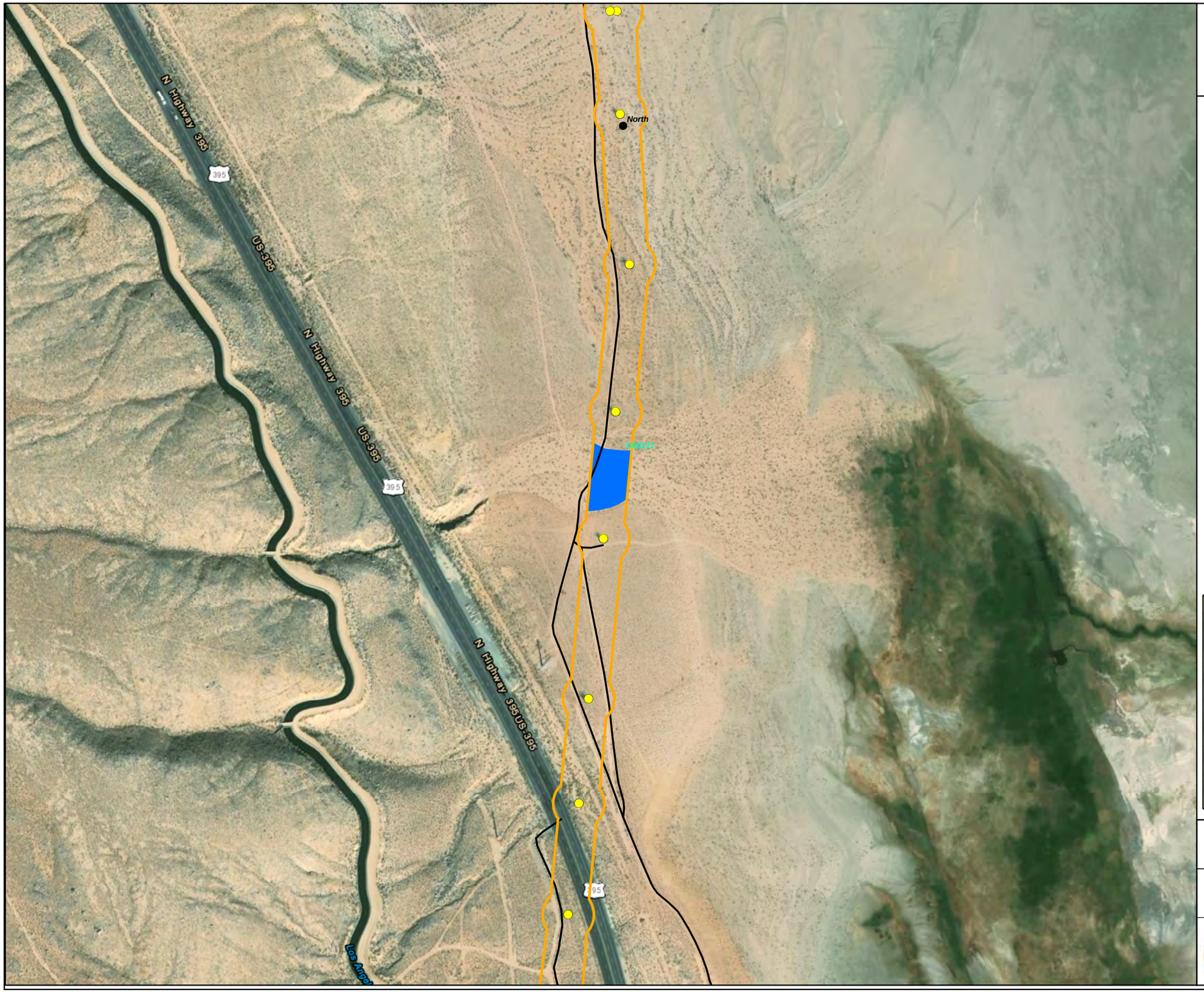
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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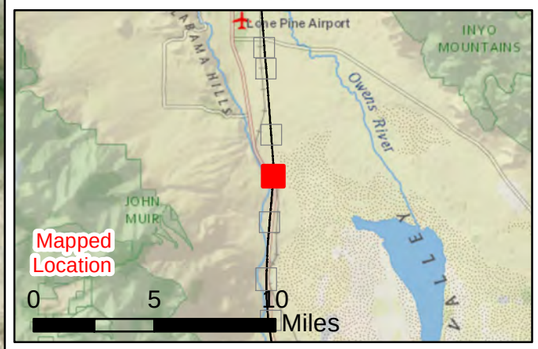
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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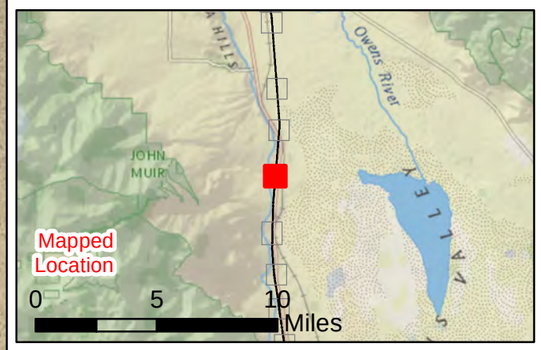
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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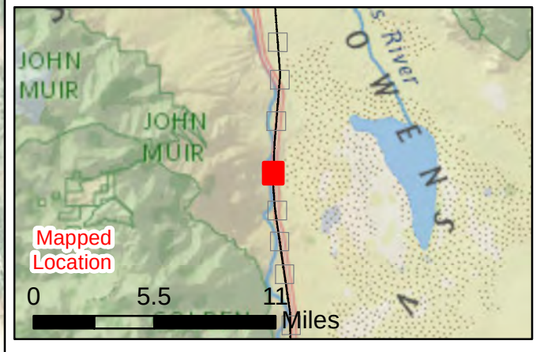
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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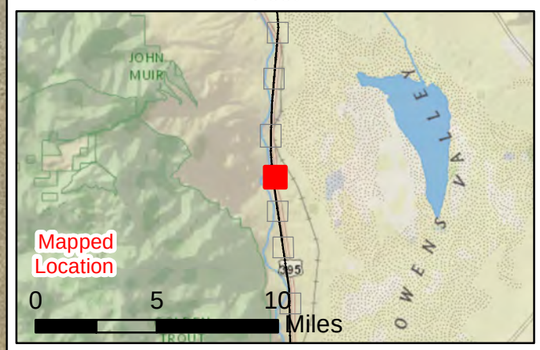

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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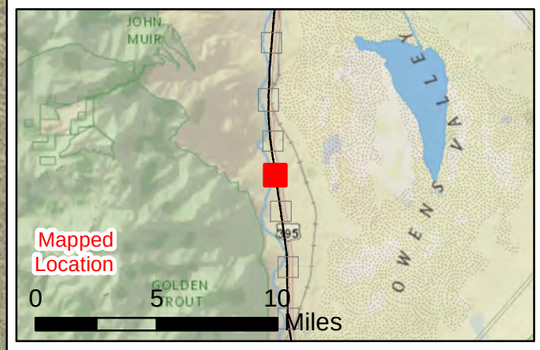

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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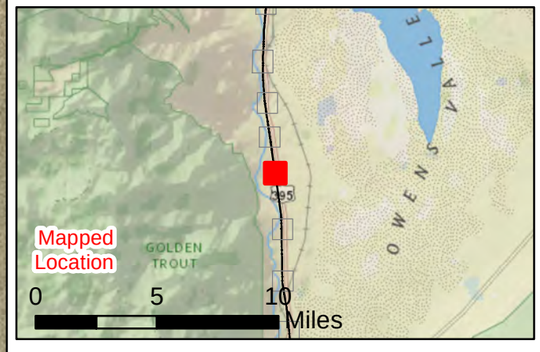

Transmission Line Rating Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

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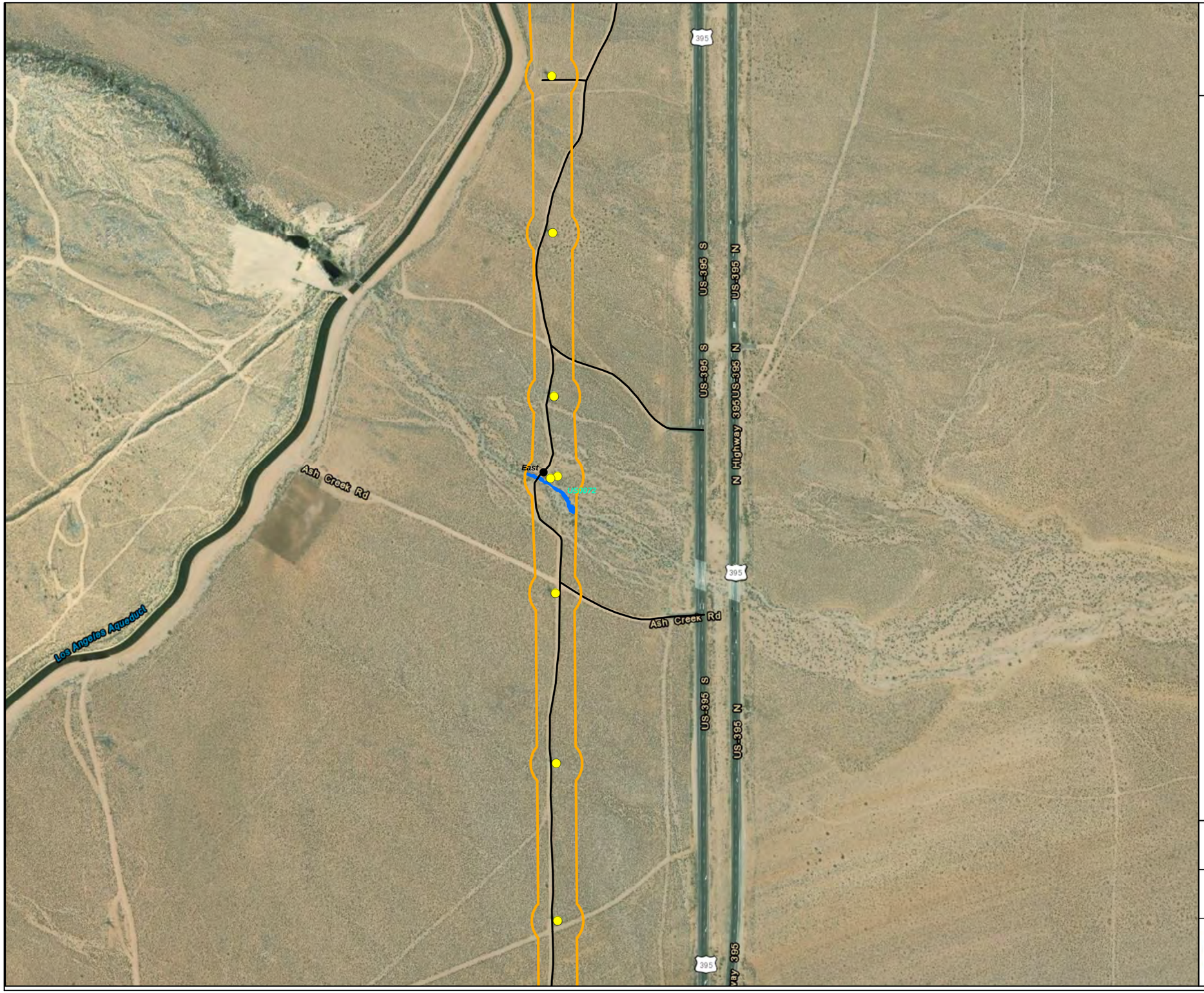

SOUTHERN CALIFORNIA EDISON
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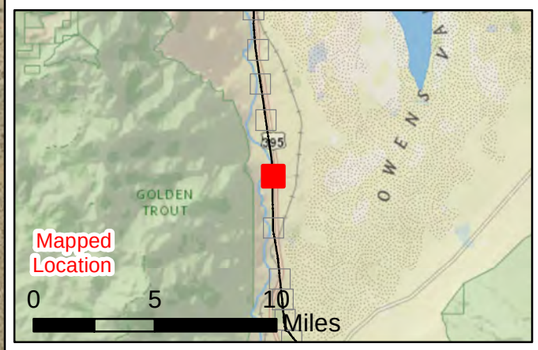
Feet



Transmission Line Rating Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

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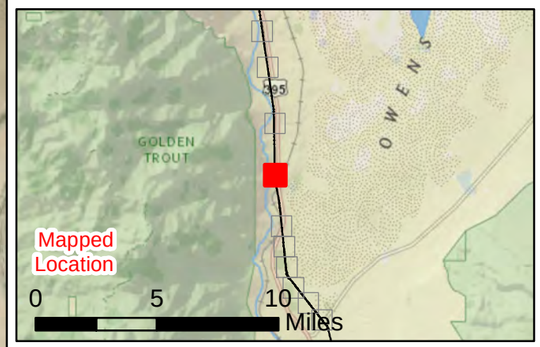

Transmission Line Rating Remediation Project

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ARCADIS

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SOUTHERN CALIFORNIA EDISON
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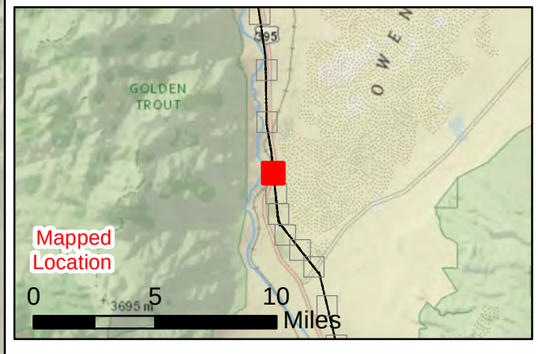
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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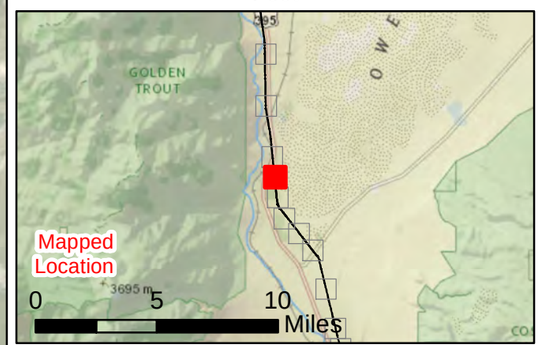
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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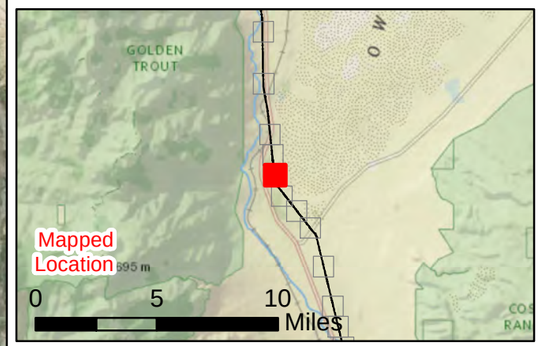
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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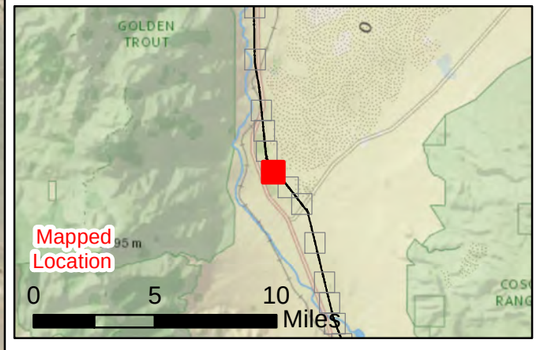
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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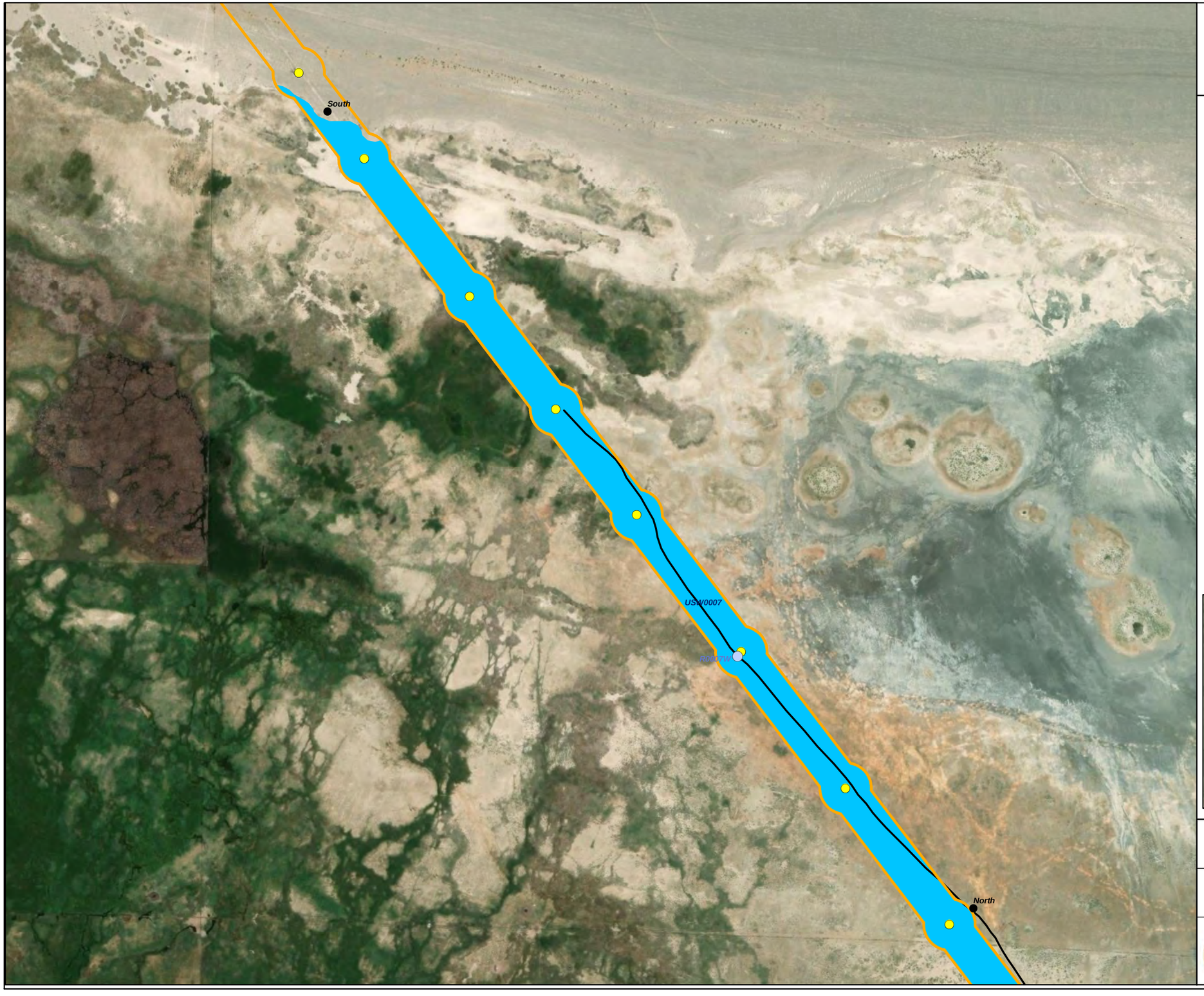
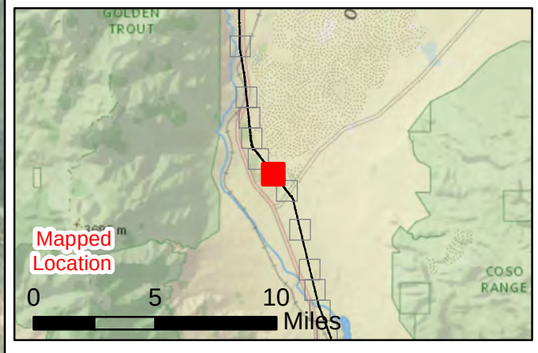


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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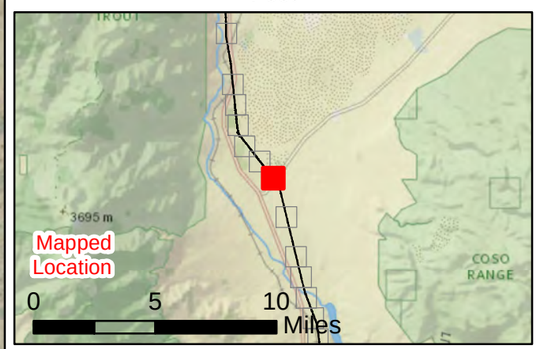
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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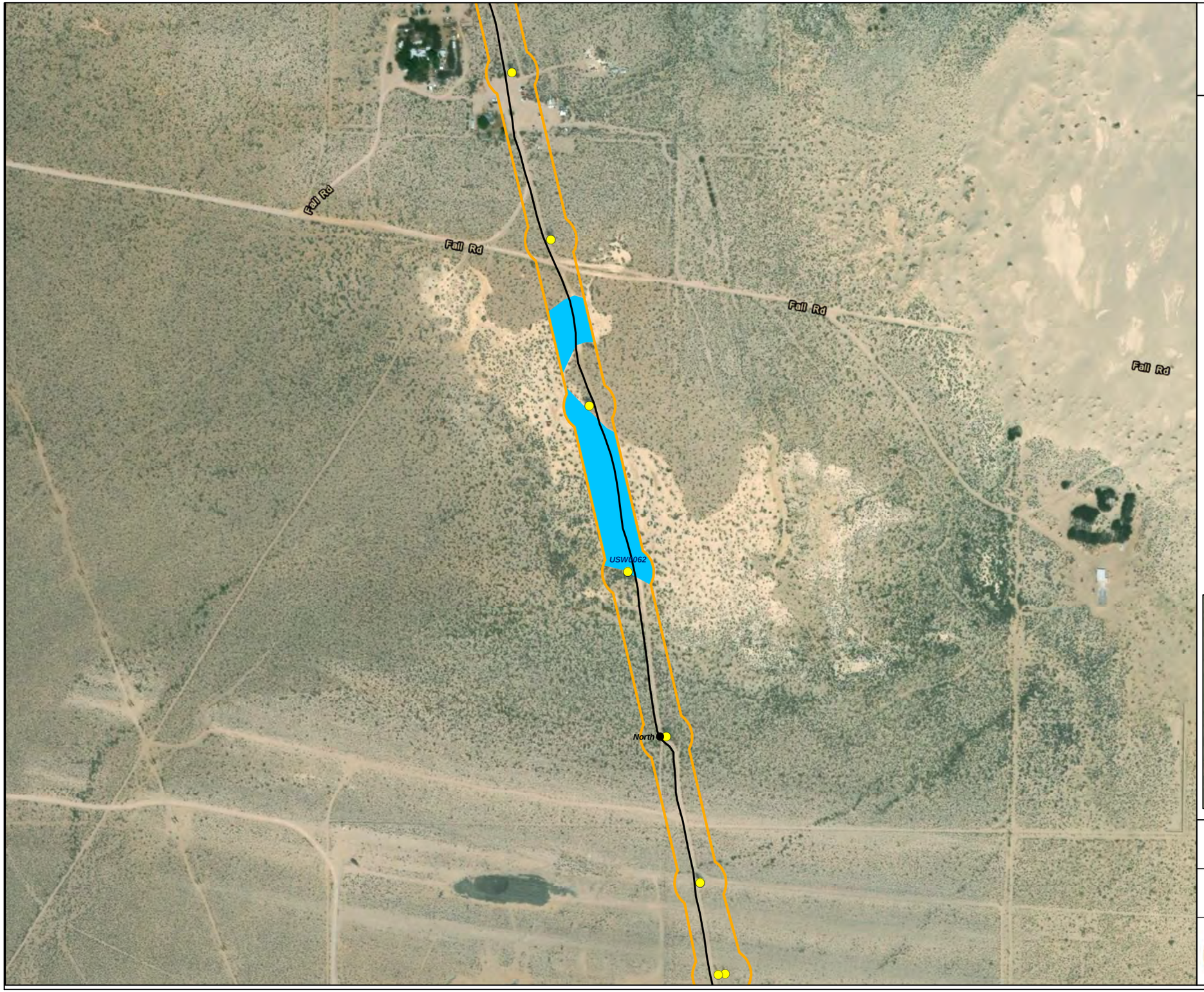
Coordinate System: NAD 1983 UTM Zone 11N

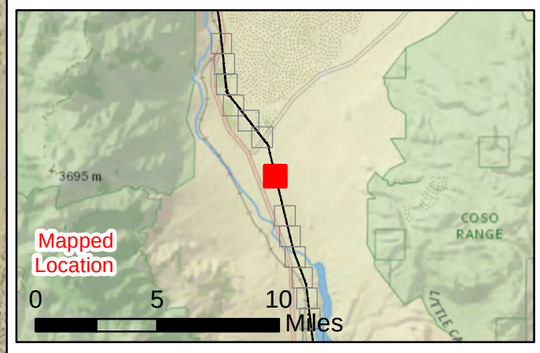


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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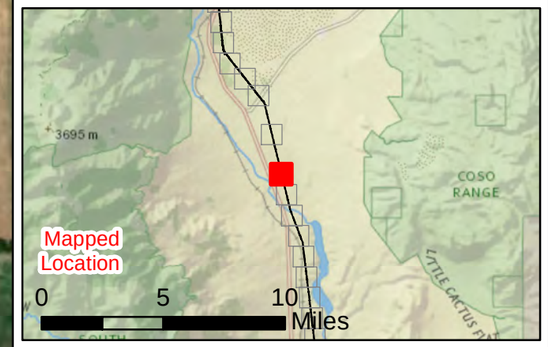
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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- USACE/RWQCB Wetland Waters
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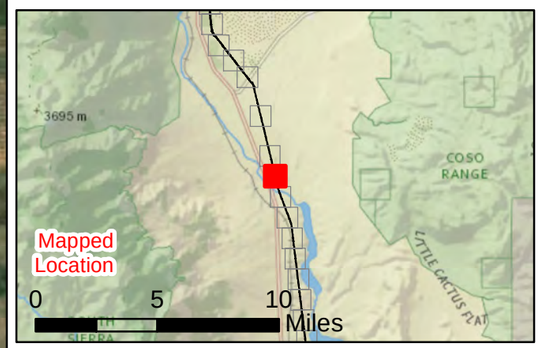
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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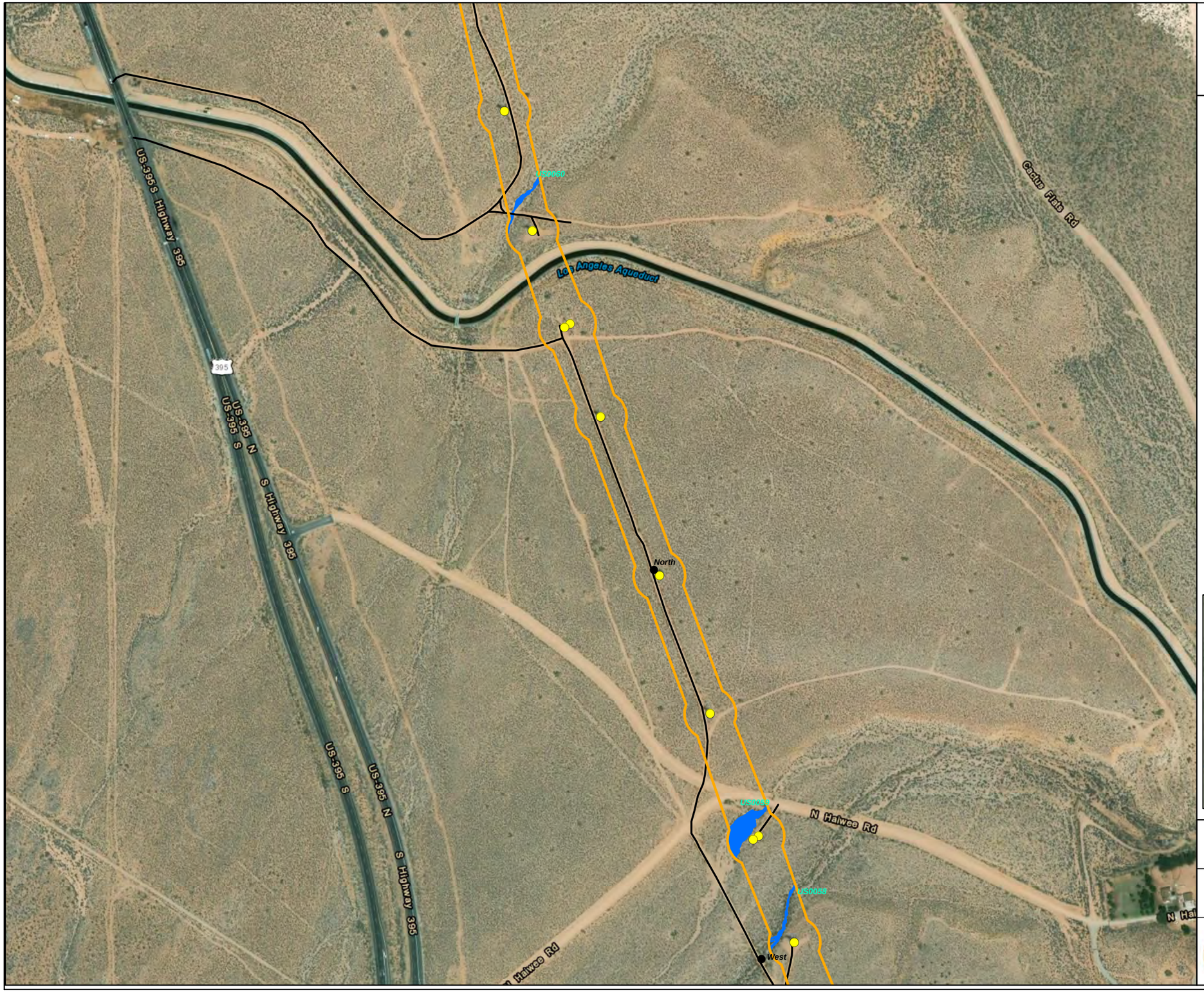
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
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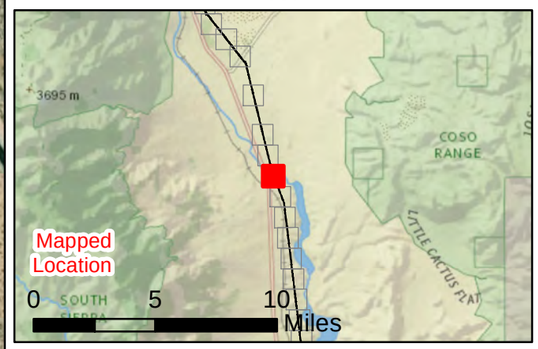
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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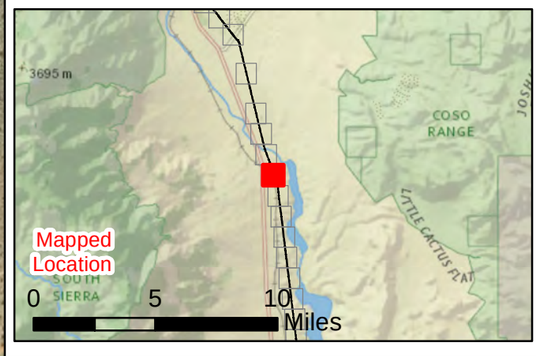
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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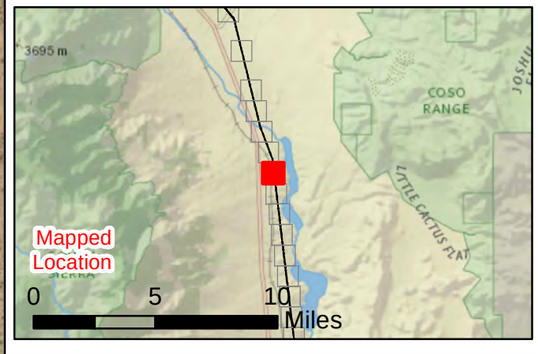
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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- USACE/RWQCB Wetland Waters
- Wetland Sample Location
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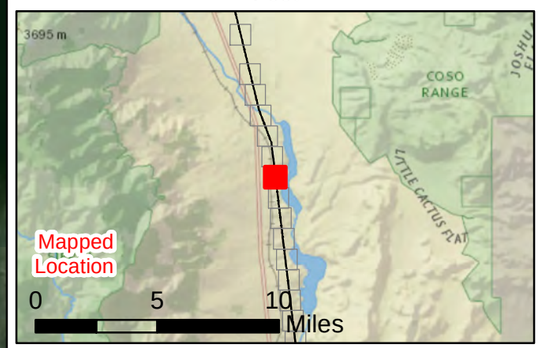
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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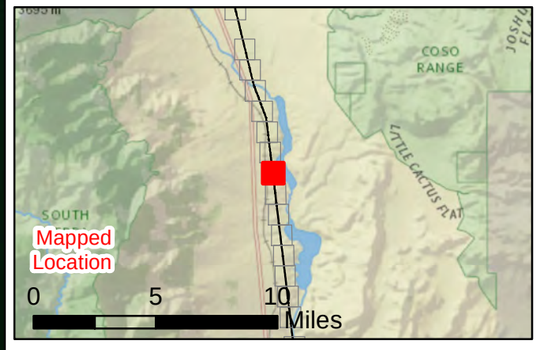
0 500 1,000
Feet



Transmission Line Rating
Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

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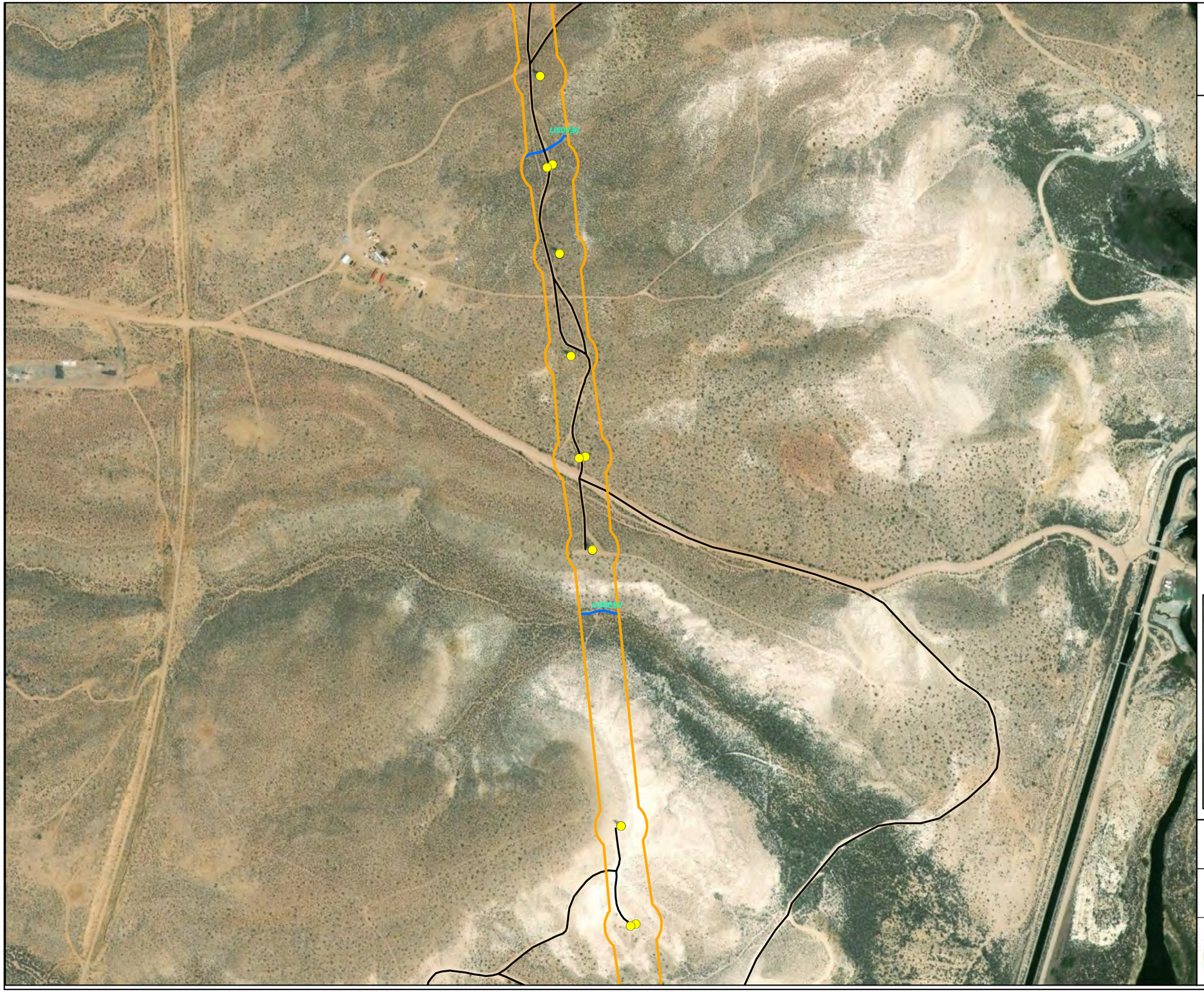
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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- USACE/RWQCB Wetland Waters
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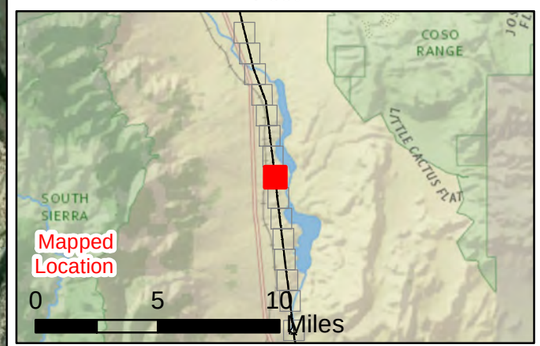
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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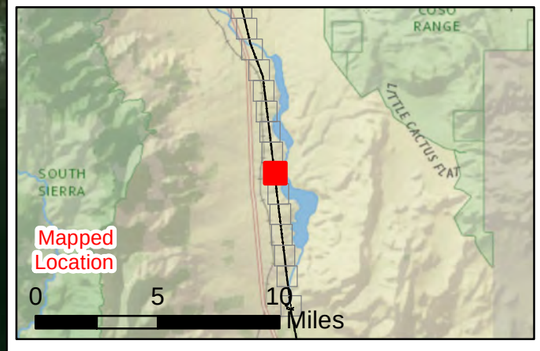

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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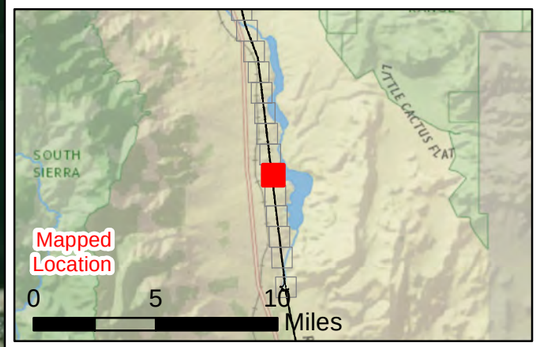
Feet



Transmission Line Rating
Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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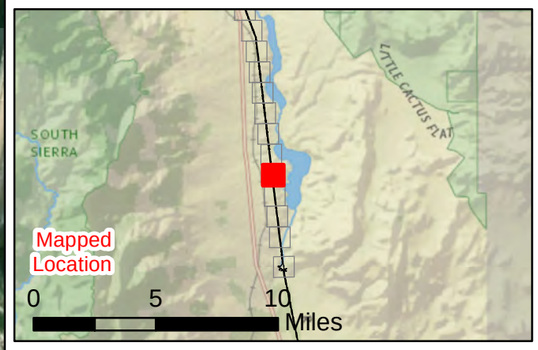
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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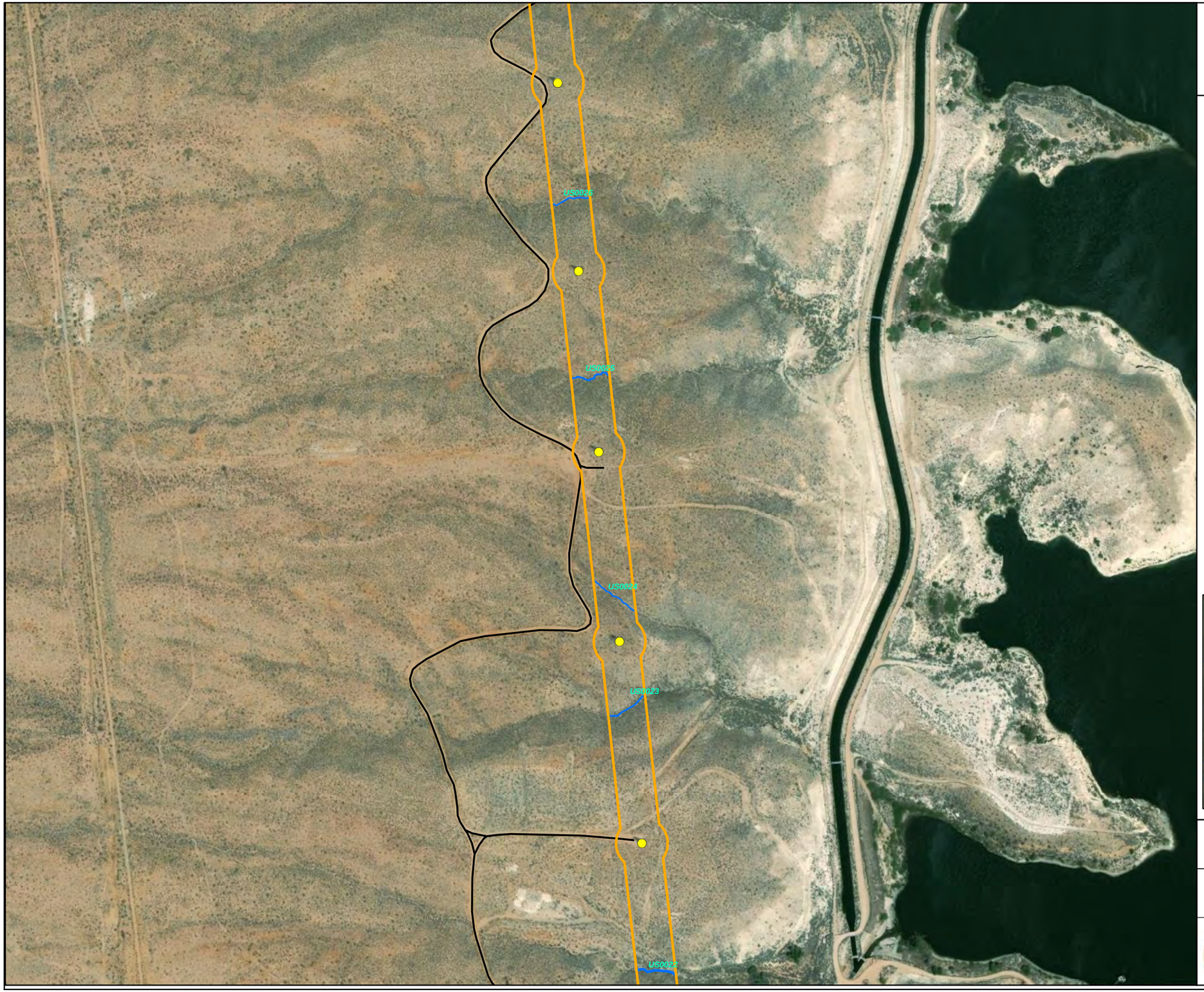
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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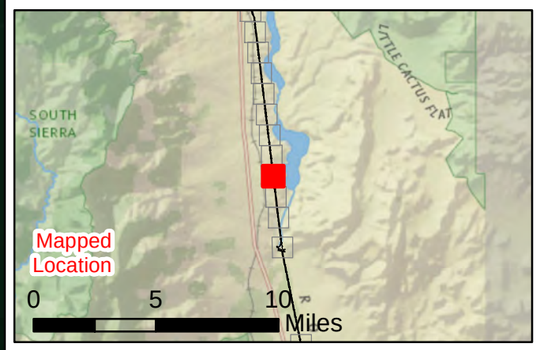

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

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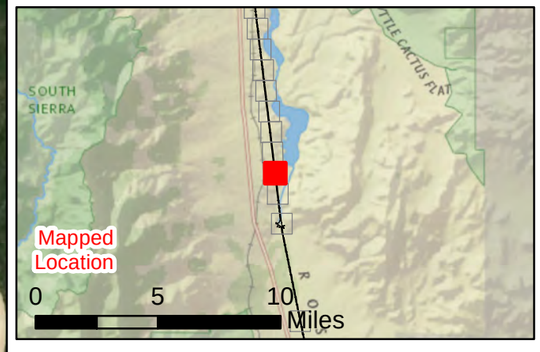
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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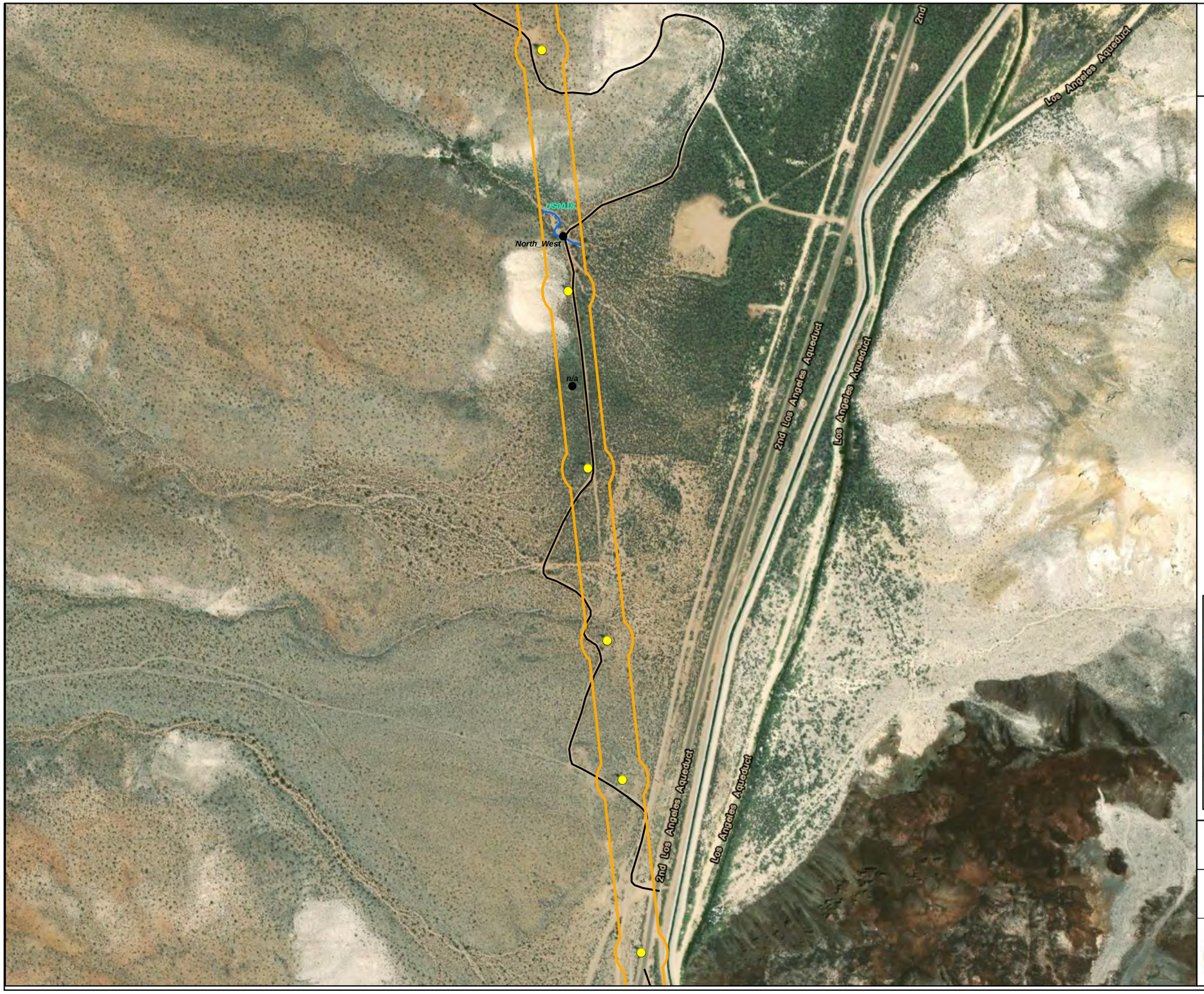
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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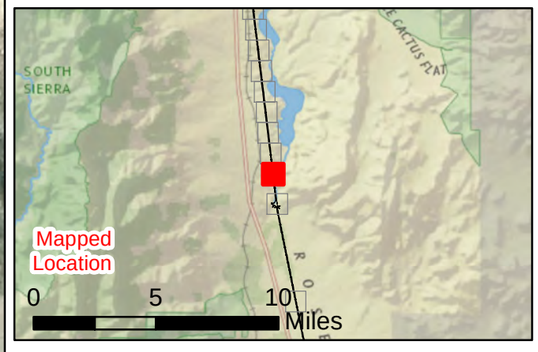
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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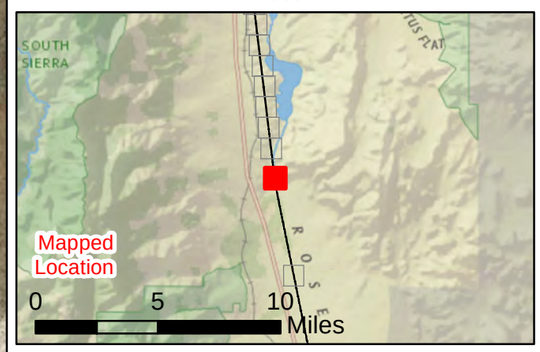
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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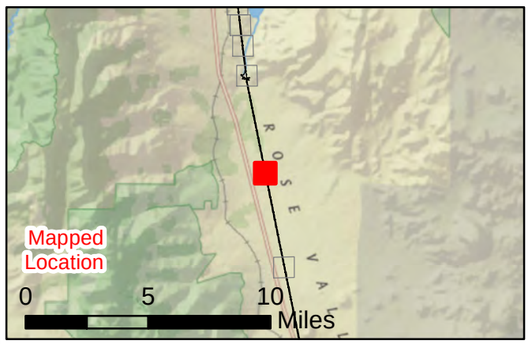
- USACE/RWQCB Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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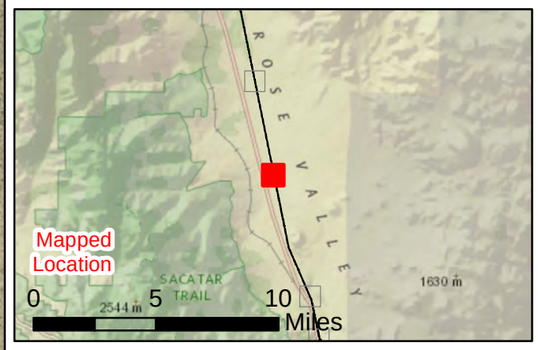
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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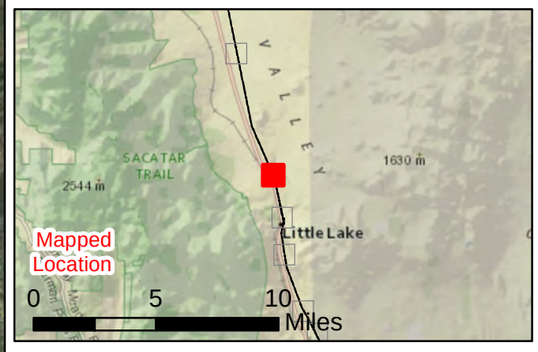
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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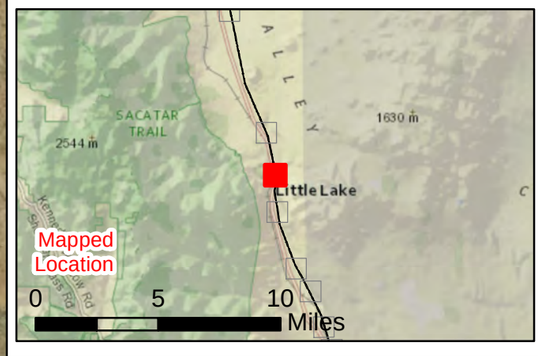
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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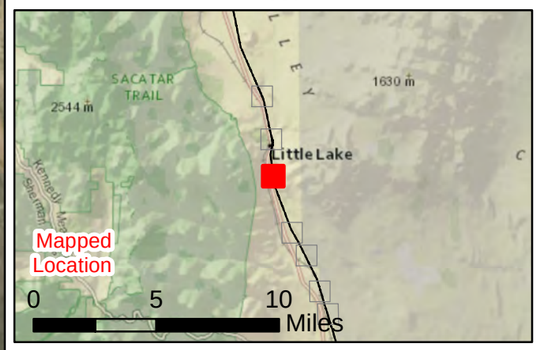
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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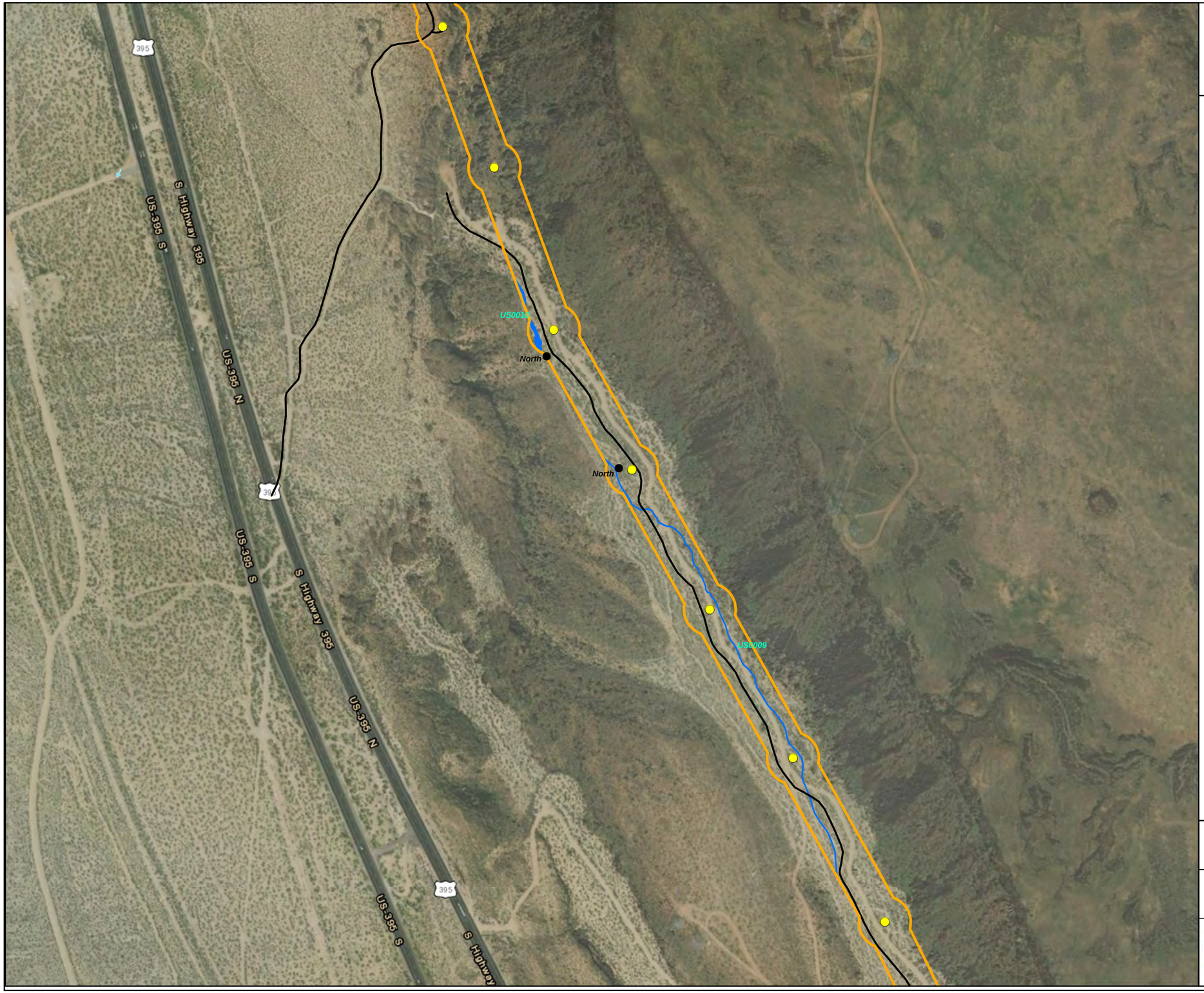
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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0 500 1,000
Feet

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:
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\\corpargis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENV\SCE\SCE_TLLR\ArcGIS_Desktop\CHITLLR CH_11_17_Landscape USACE JD Mapping.mxd 9/28/2018 adavis
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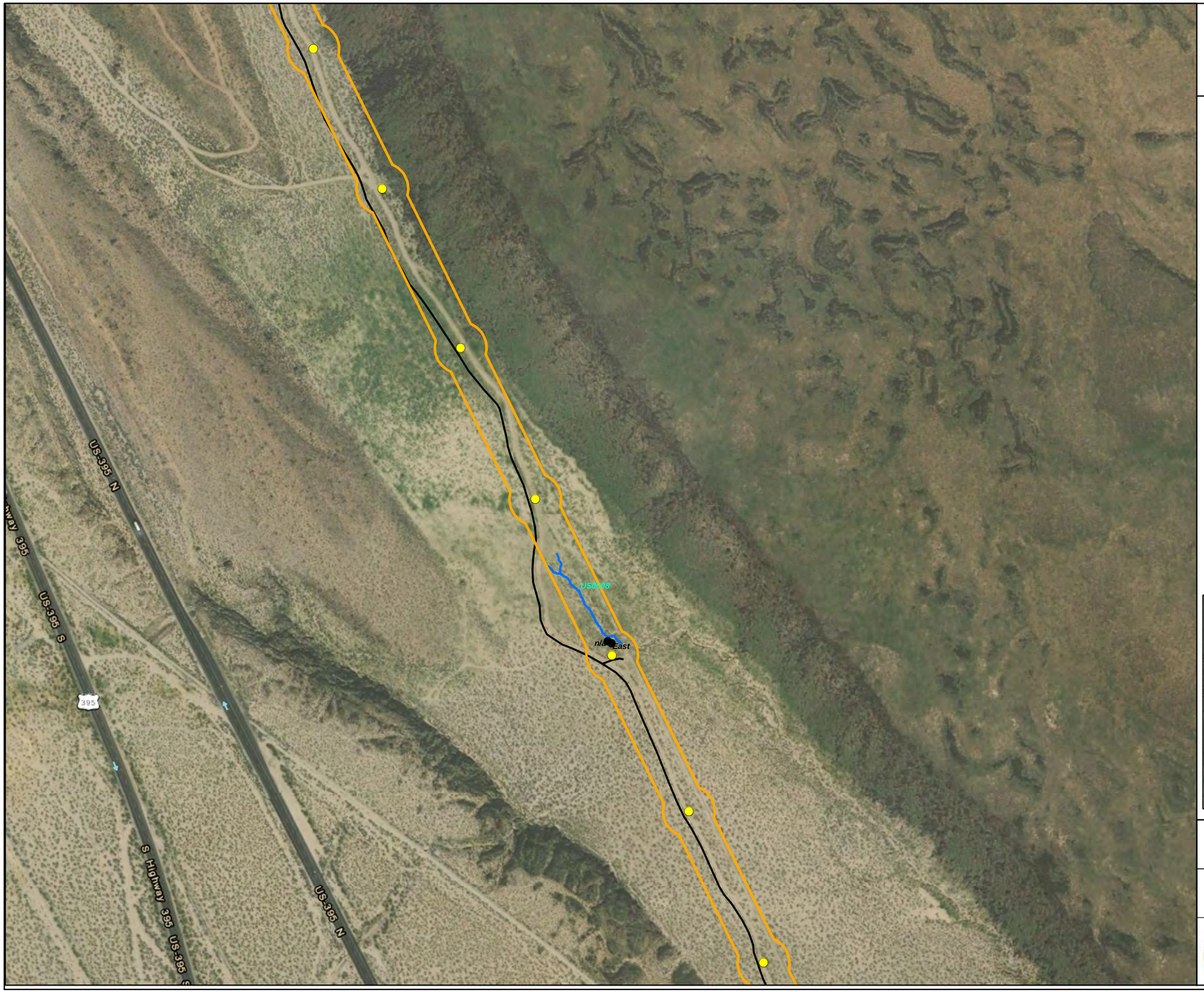

SOUTHERN CALIFORNIA EDISON
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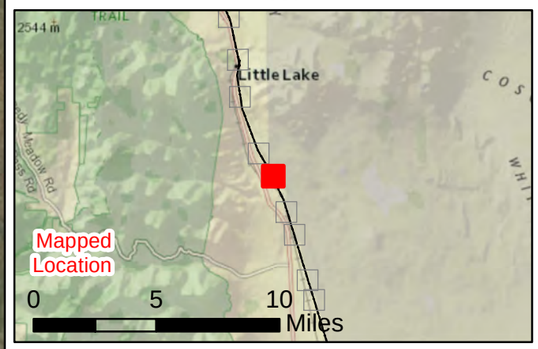

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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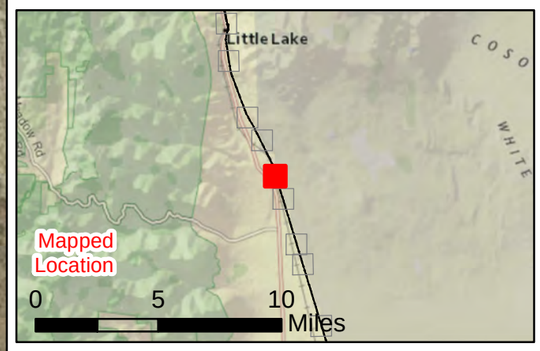

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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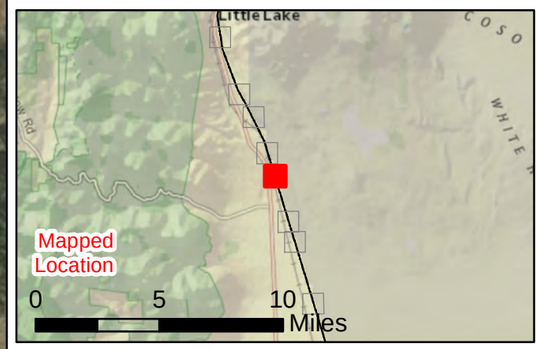

Transmission Line Rating Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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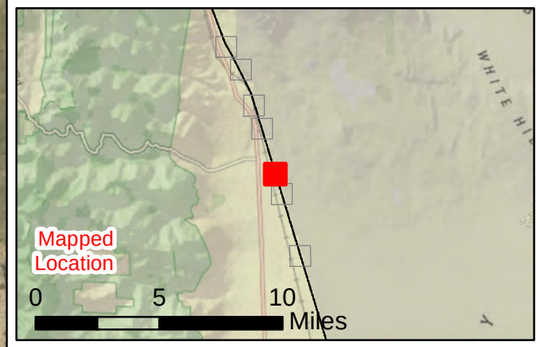
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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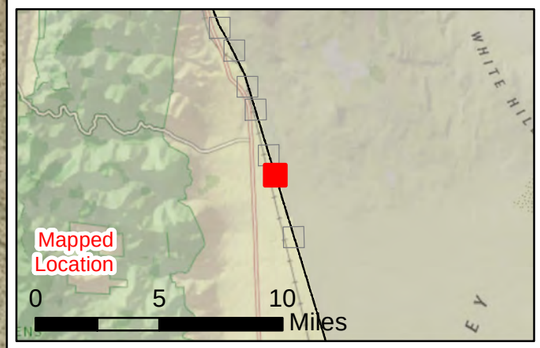

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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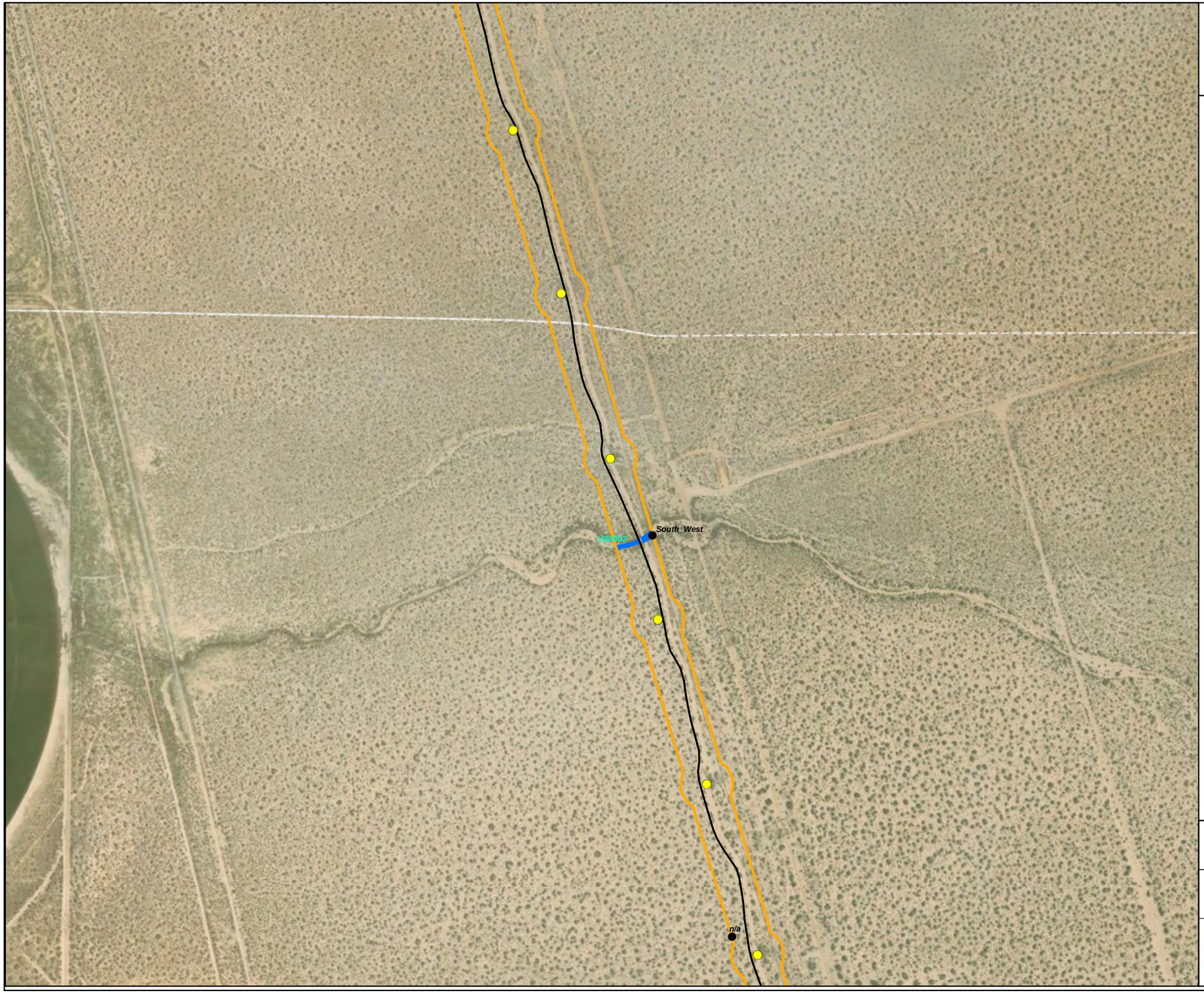
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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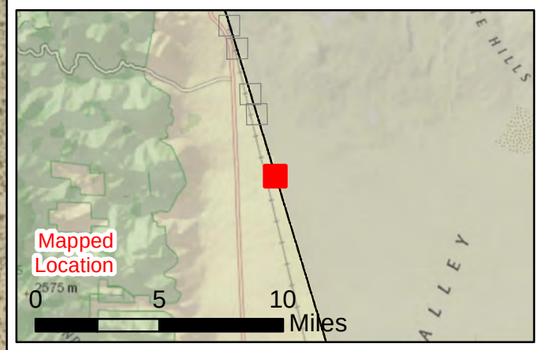
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

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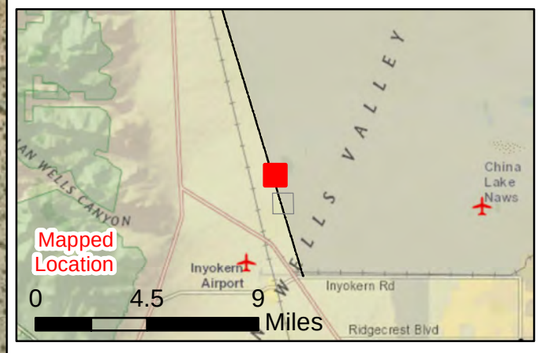
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:
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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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0 500 1,000
Feet

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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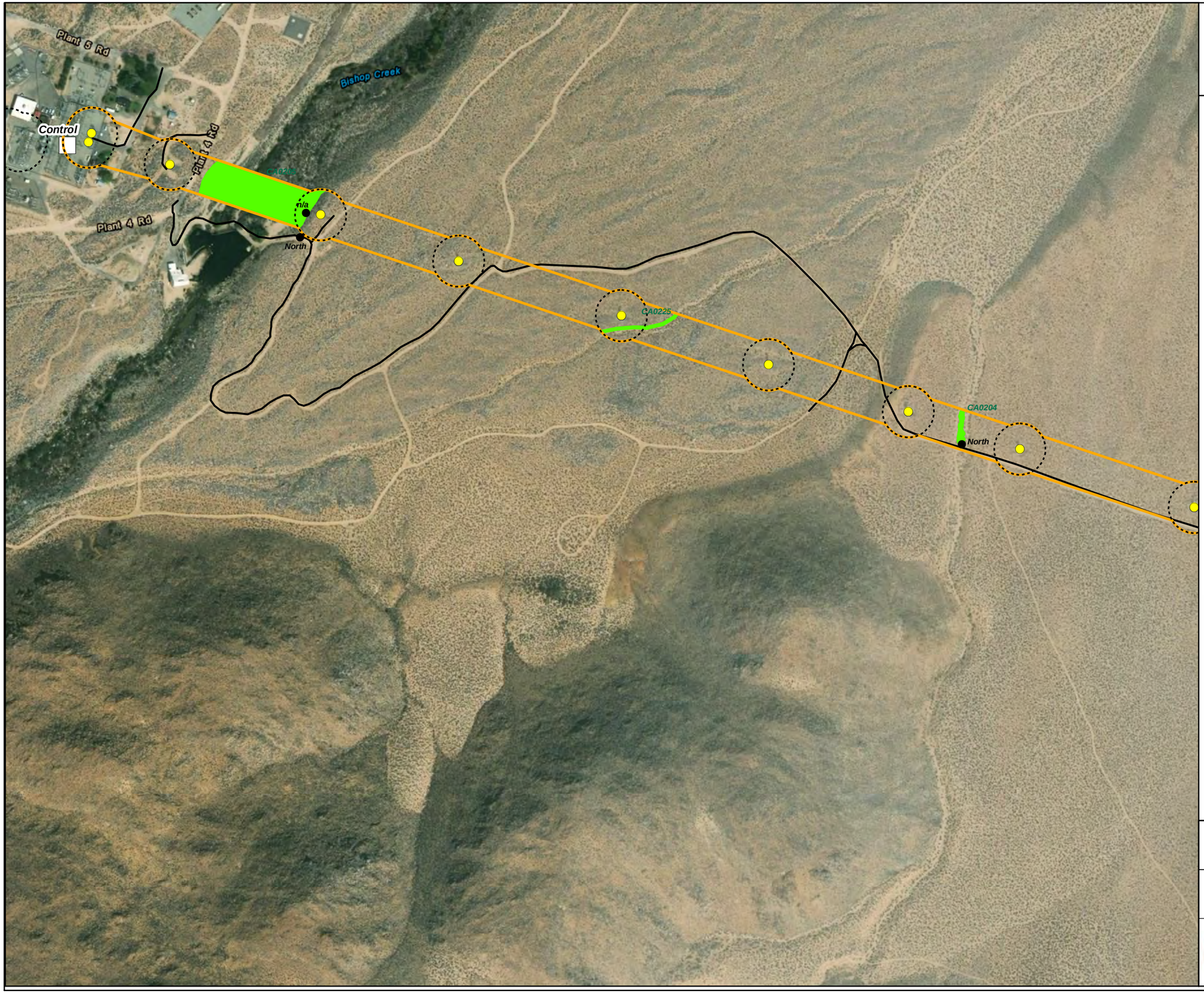
\\corpargis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENV\SCE\SCE_TLLR\ArcGIS_Desktop\CH\TLLR CH_11_17_Landscape USACE JD Mapping.mxd 9/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N

ATTACHMENT F

CDFW Jurisdictional Waters Mapping



SOUTHERN CALIFORNIA EDISON®
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Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
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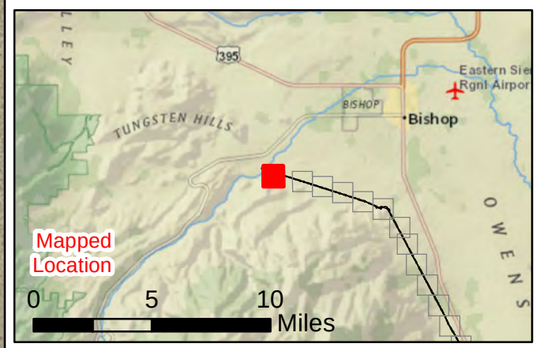
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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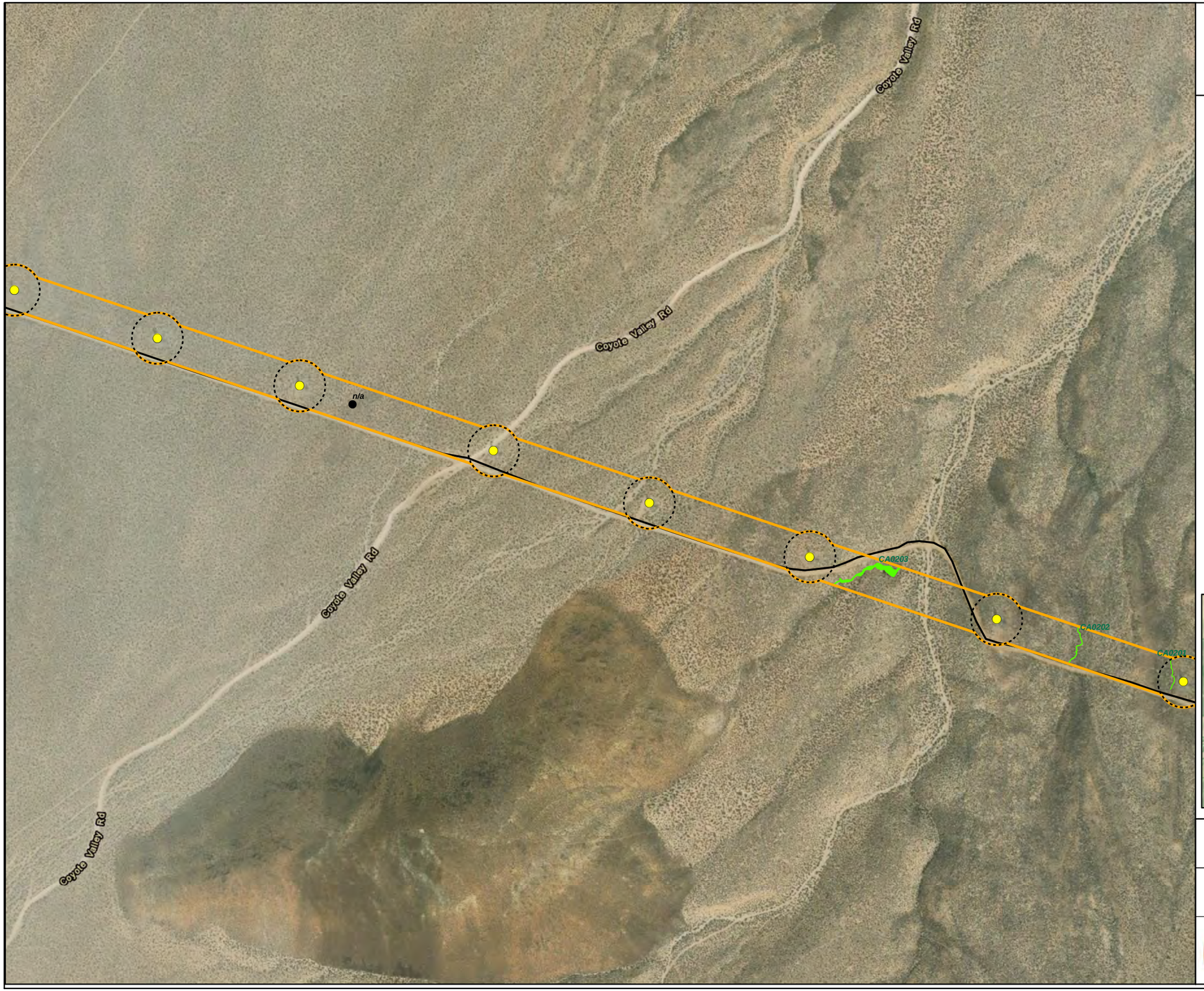

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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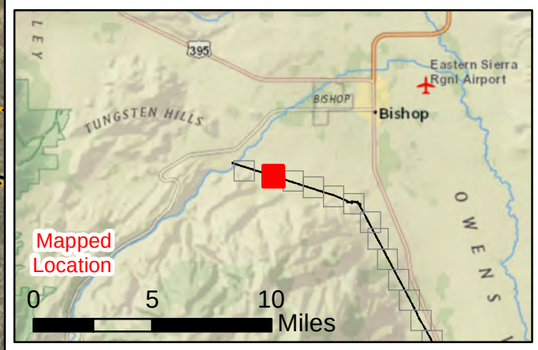
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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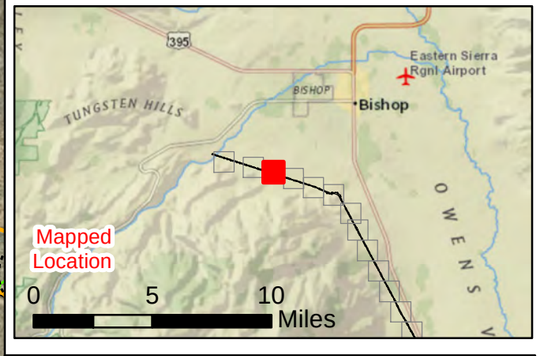

Transmission Line Rating Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

Figure:
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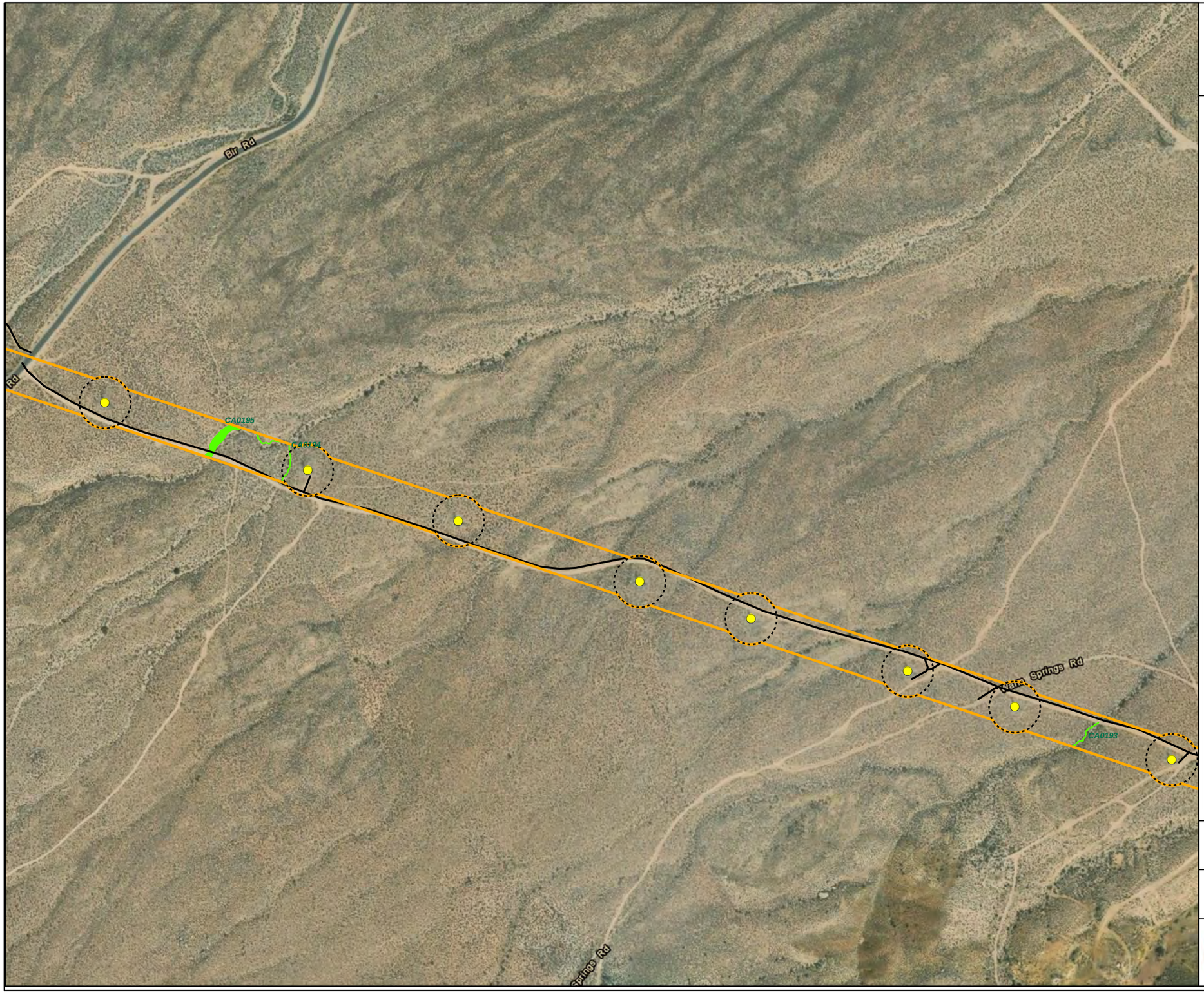

SOUTHERN CALIFORNIA EDISON
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Legend

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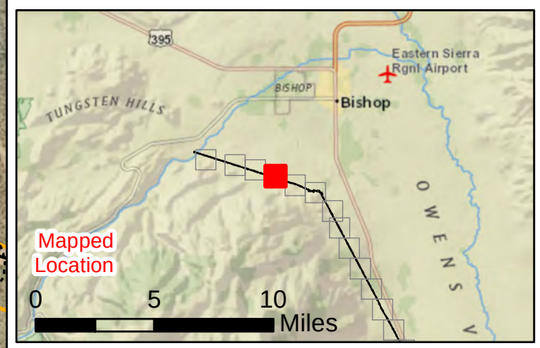
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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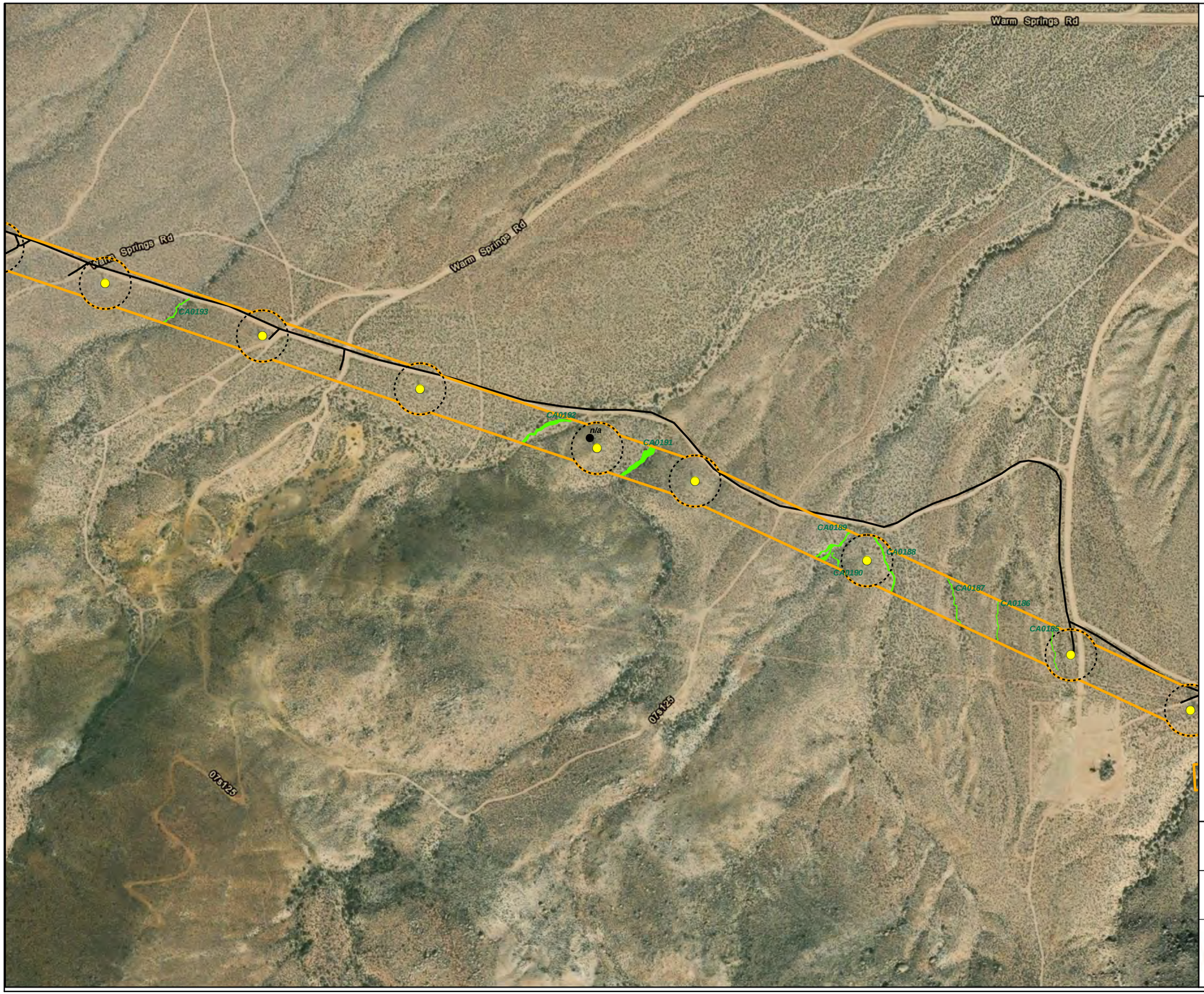
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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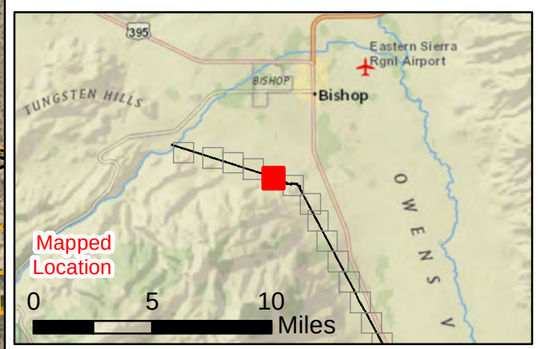

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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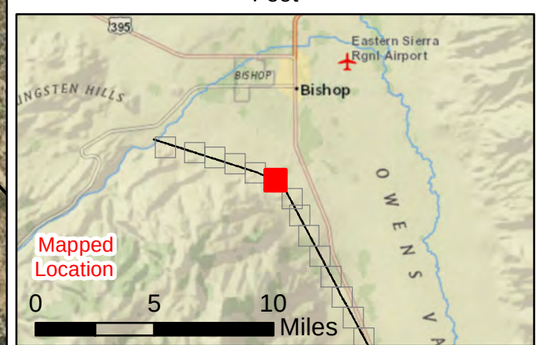
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

Figure:
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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

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- Access Roads
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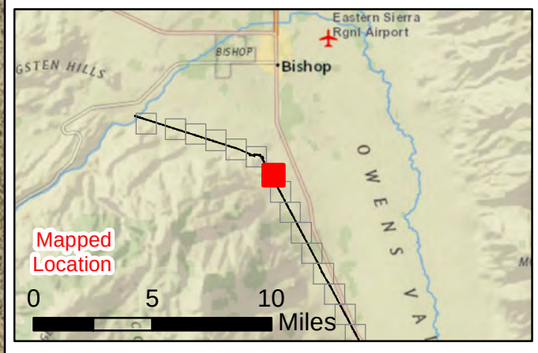
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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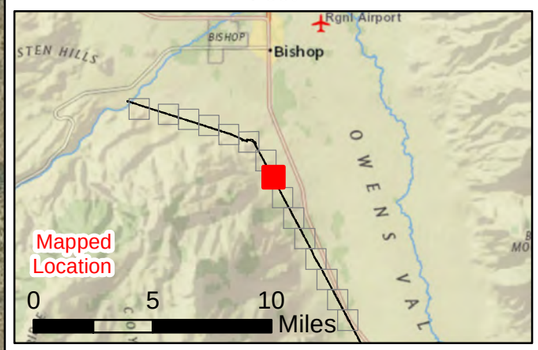
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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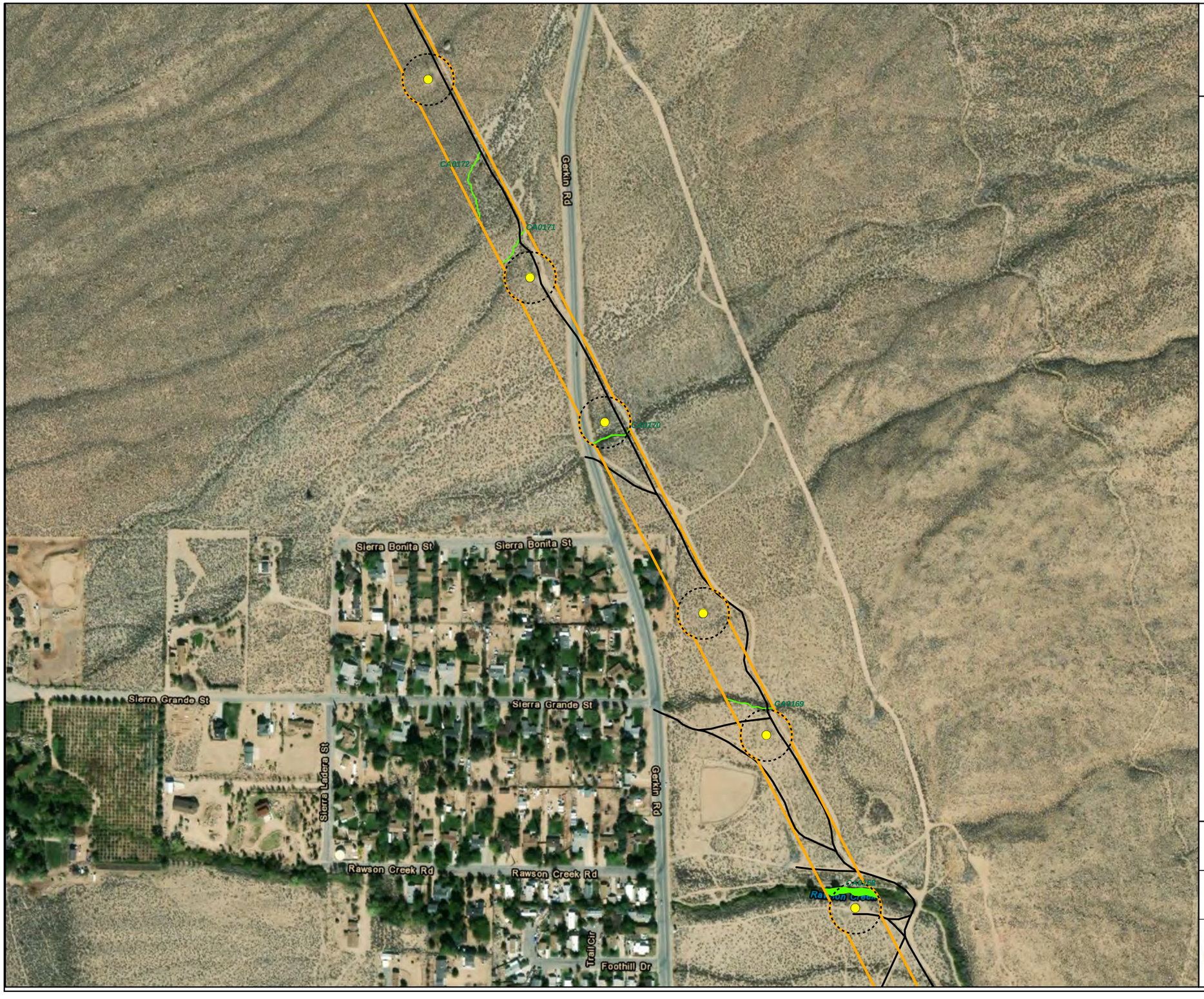

SOUTHERN CALIFORNIA EDISON
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Legend

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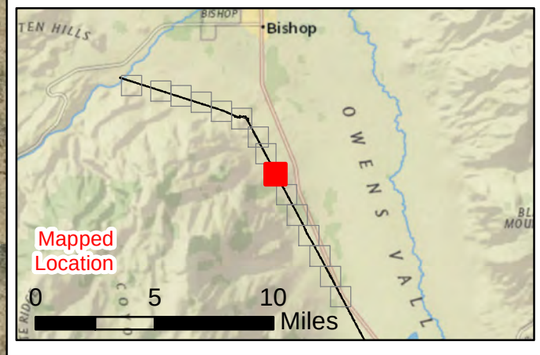
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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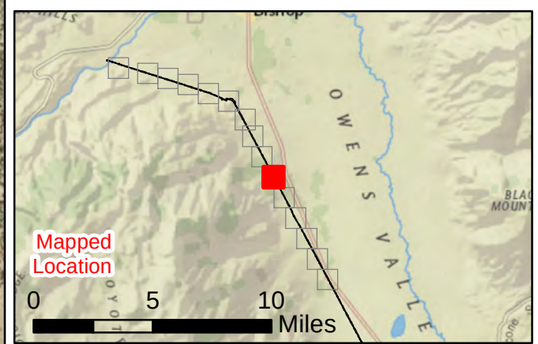
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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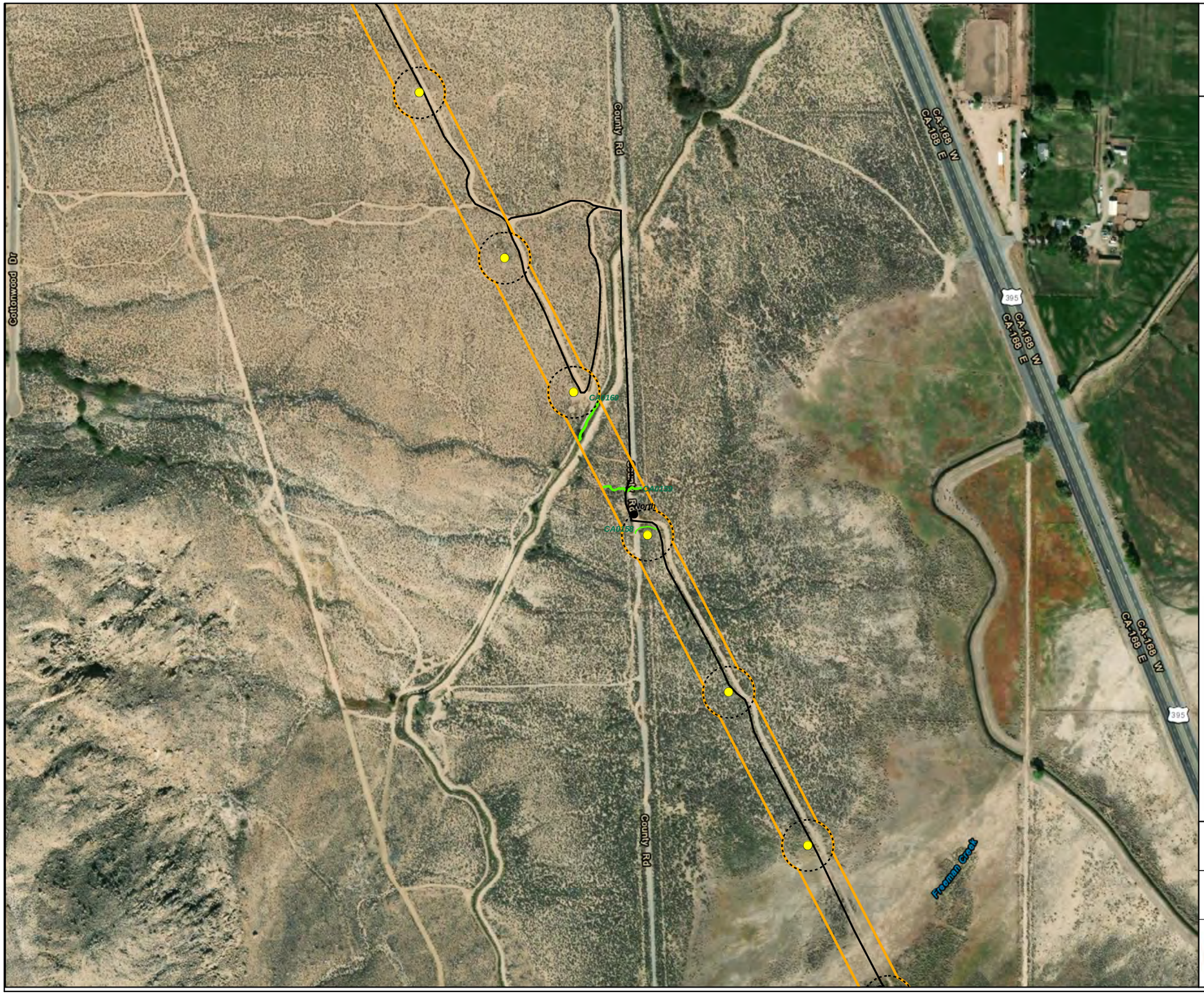
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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Legend

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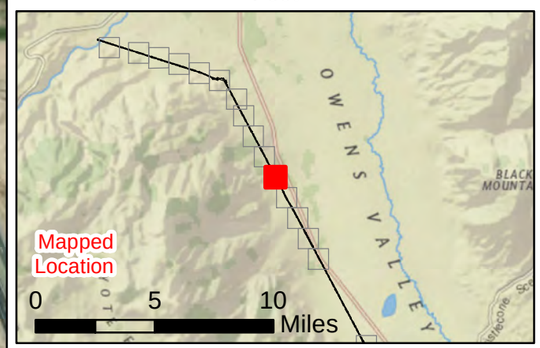

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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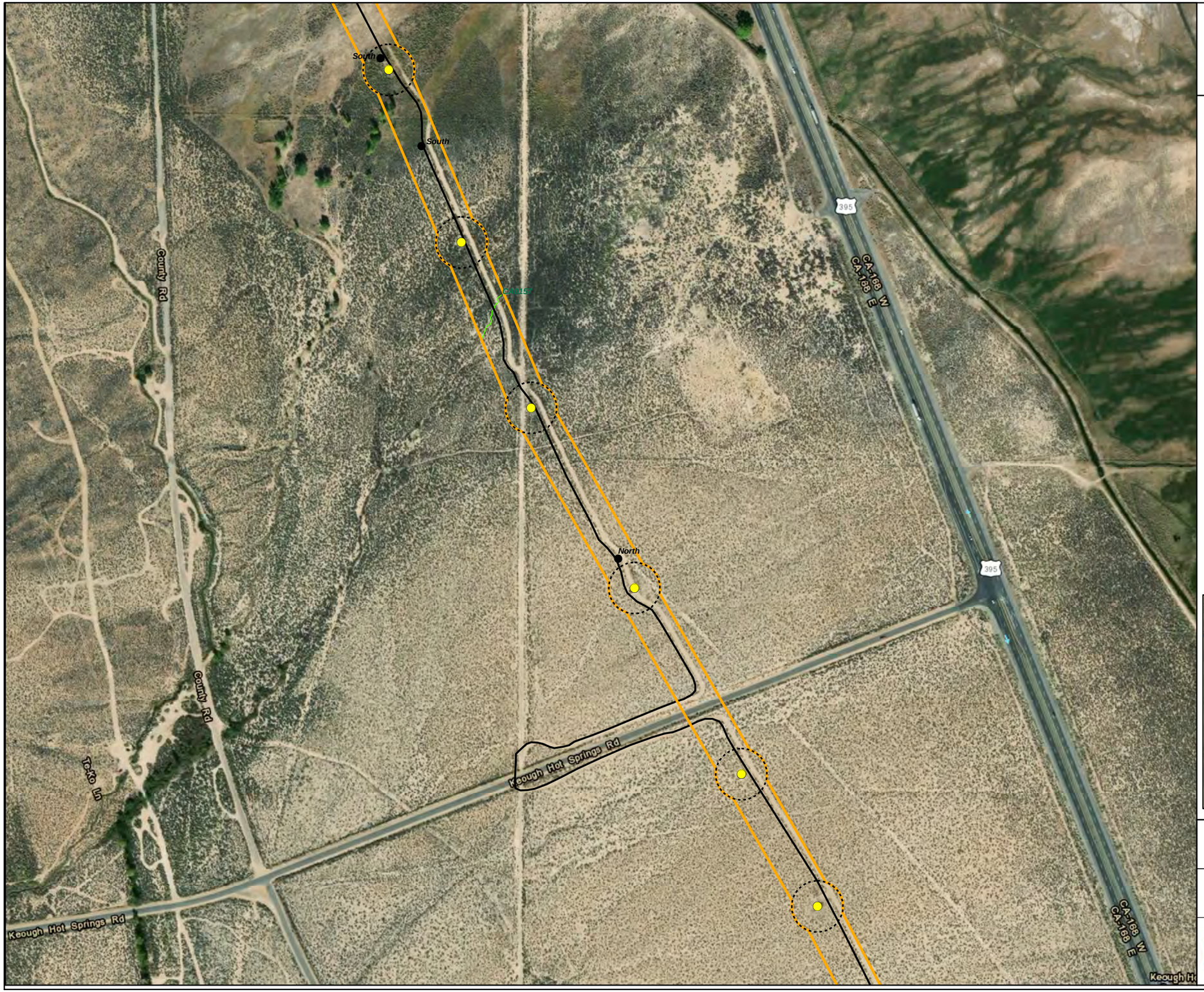

SOUTHERN CALIFORNIA EDISON
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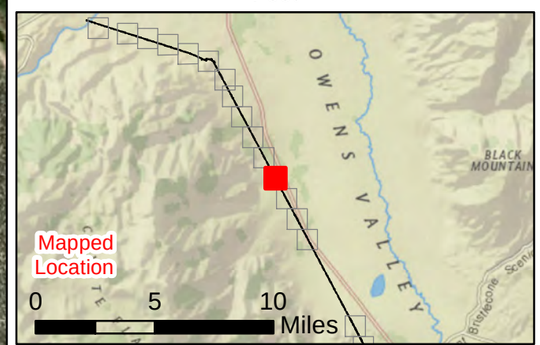

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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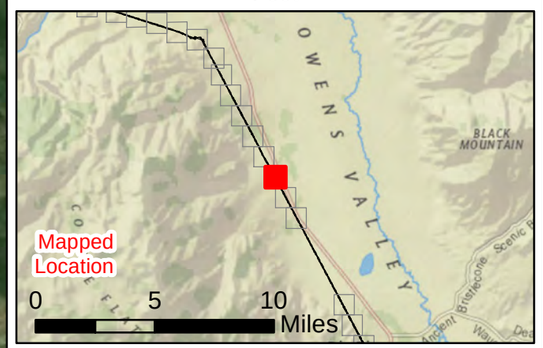
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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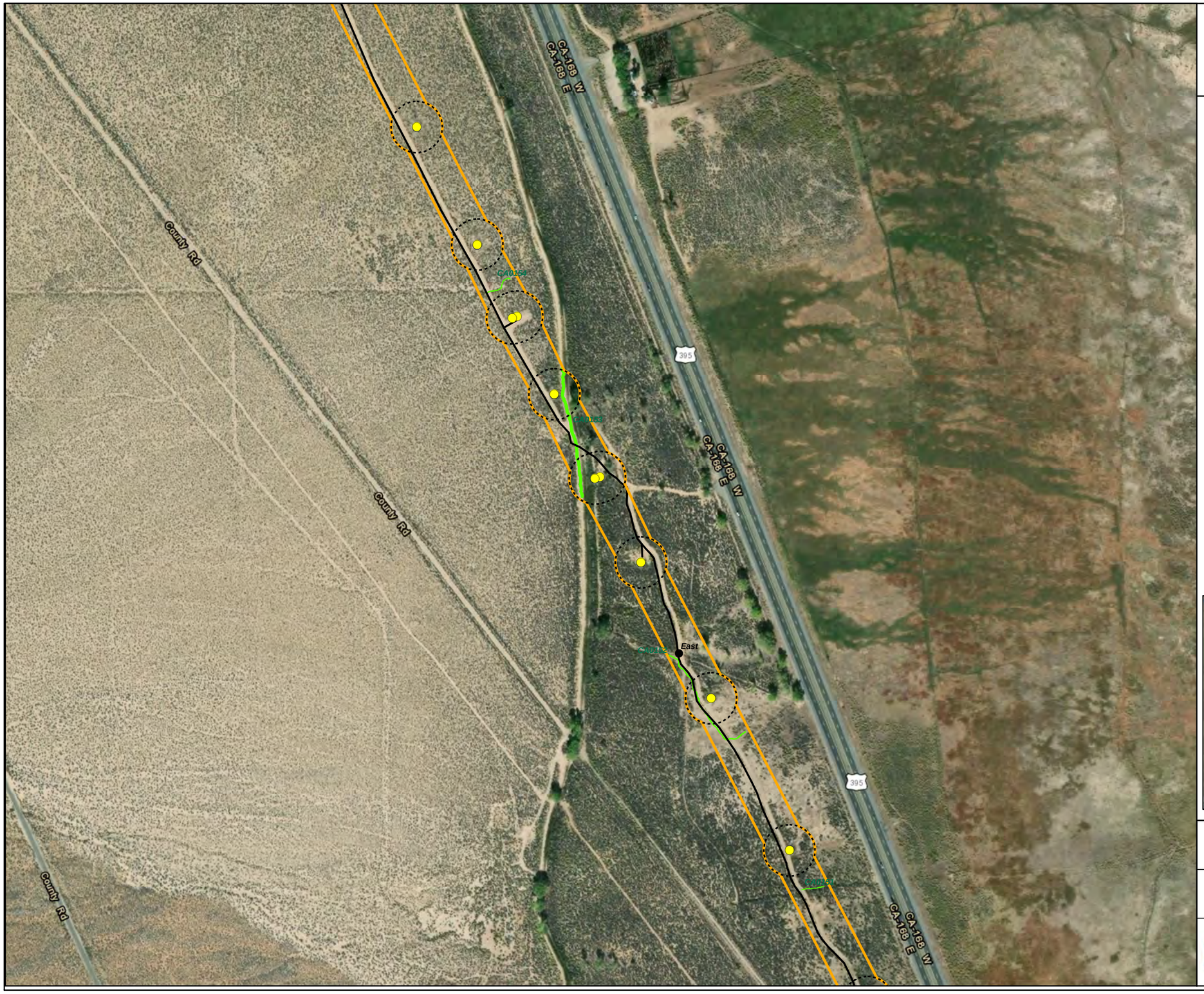

SOUTHERN CALIFORNIA EDISON
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Legend

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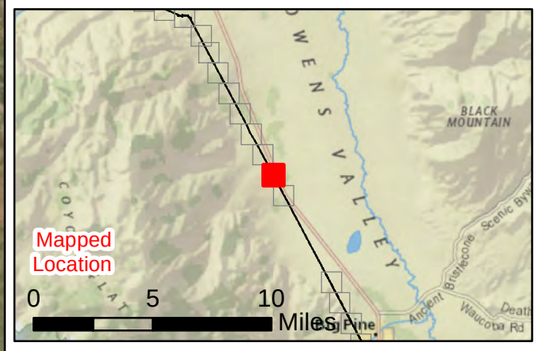
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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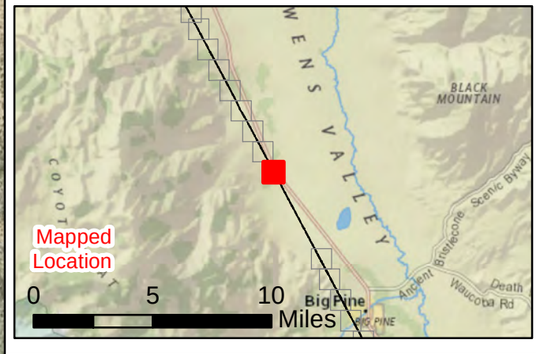
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON®
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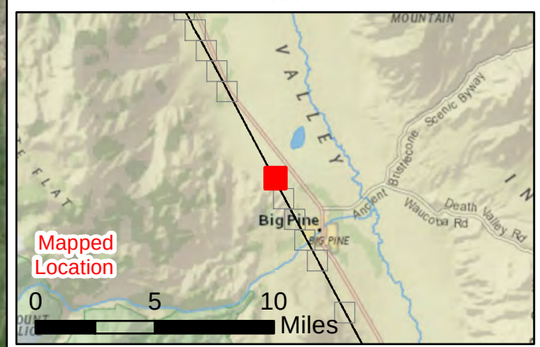
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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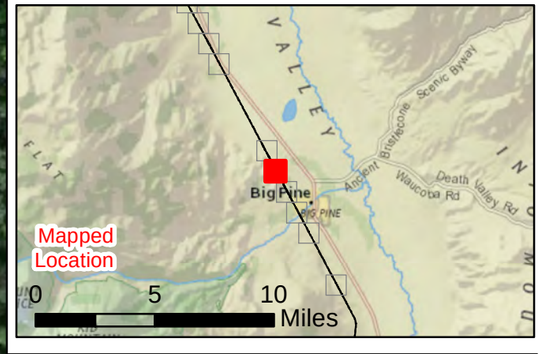
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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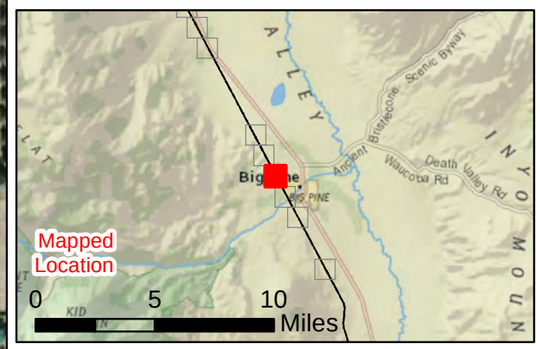
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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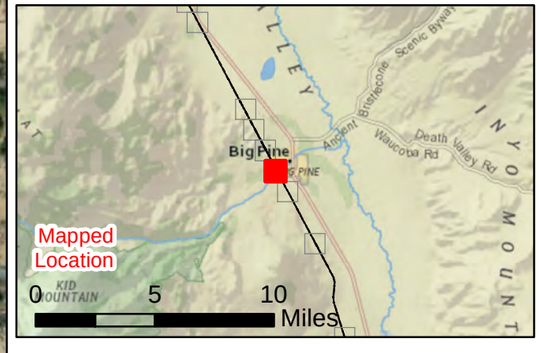

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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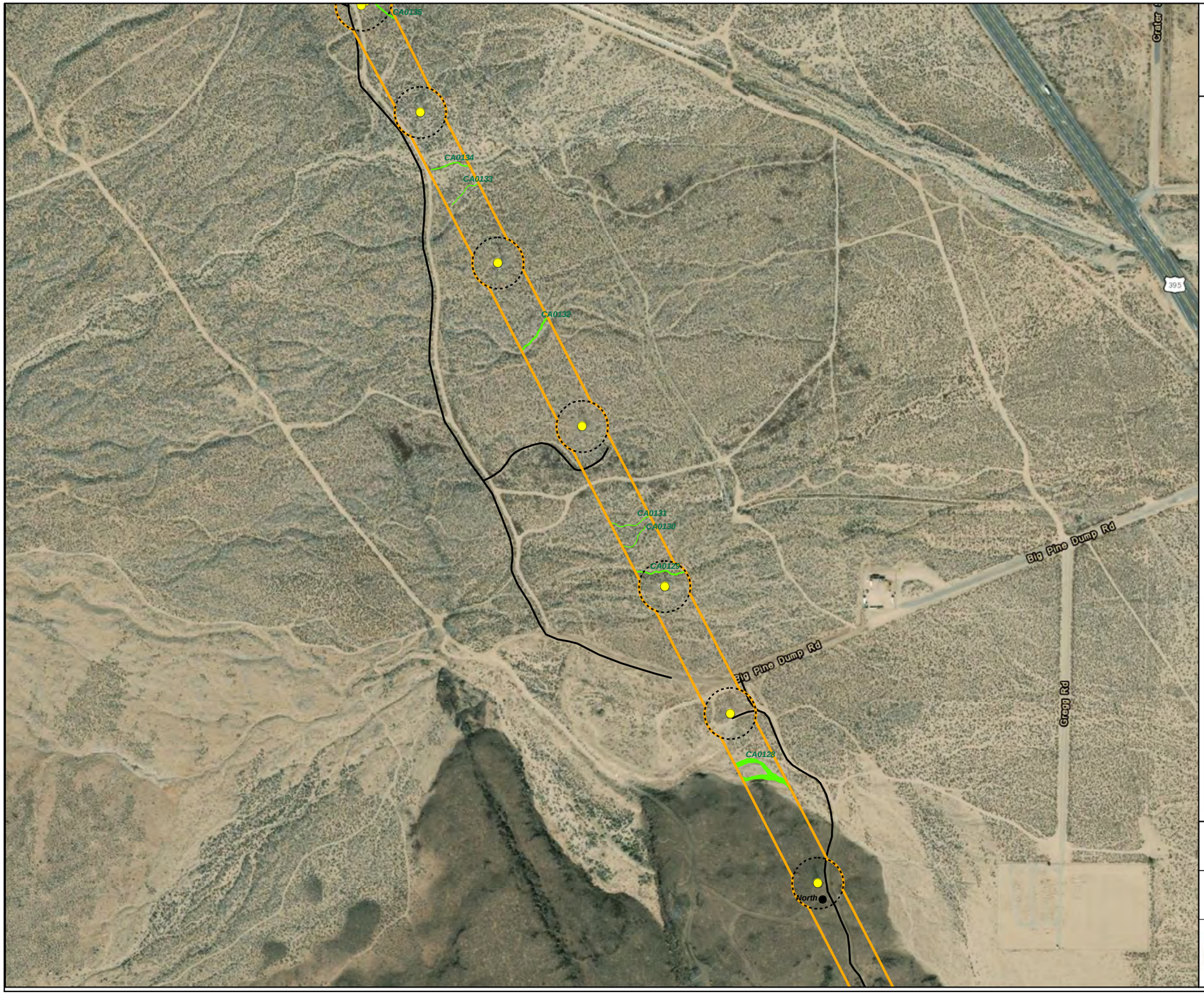

SOUTHERN CALIFORNIA EDISON
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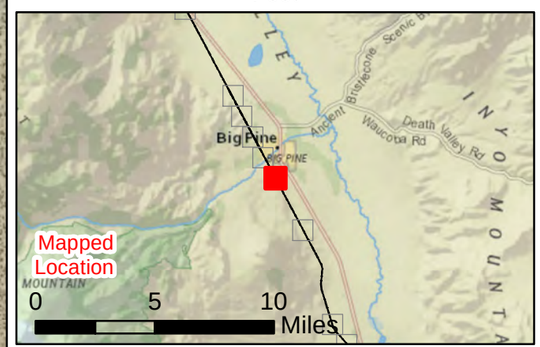

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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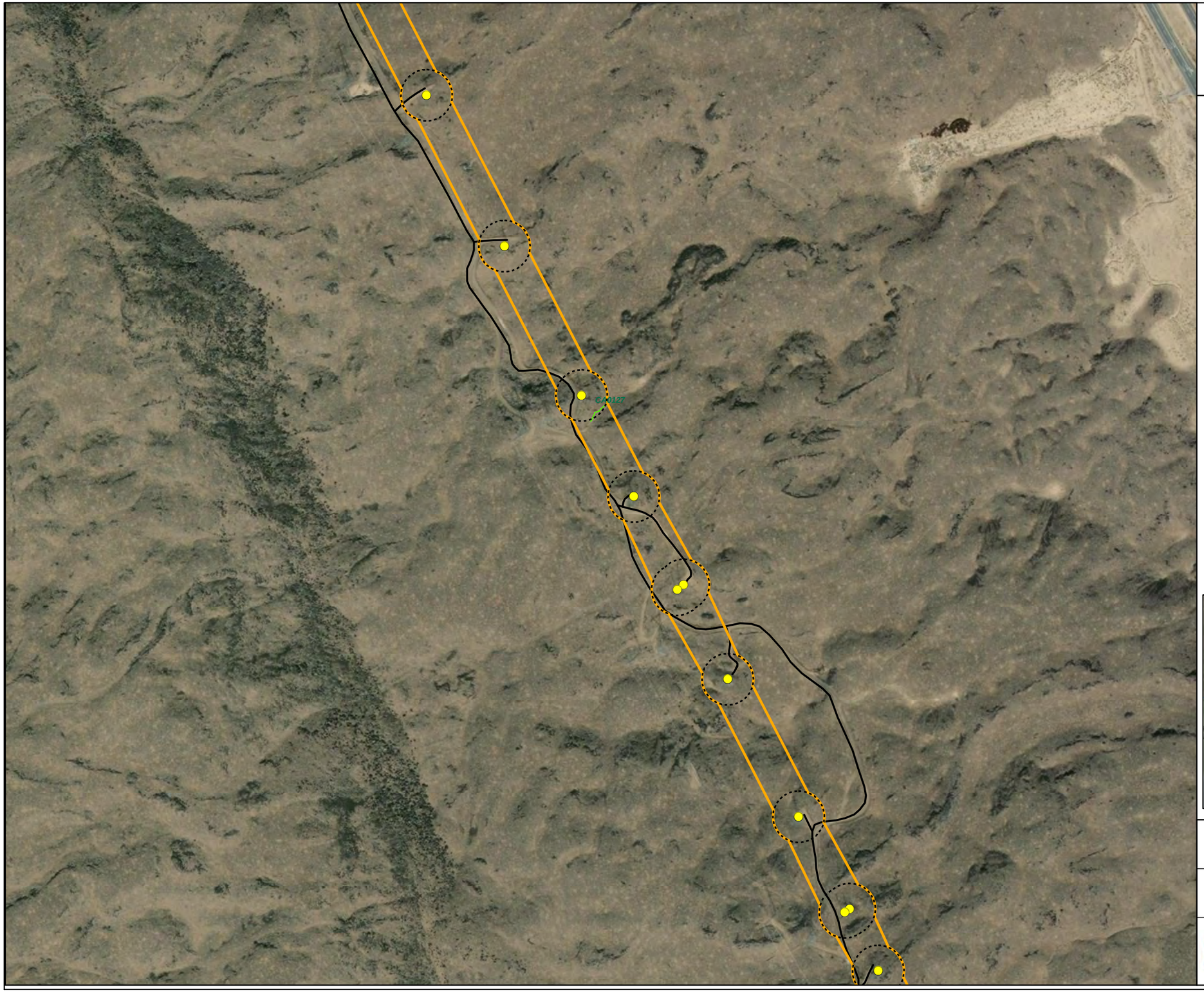

SOUTHERN CALIFORNIA EDISON
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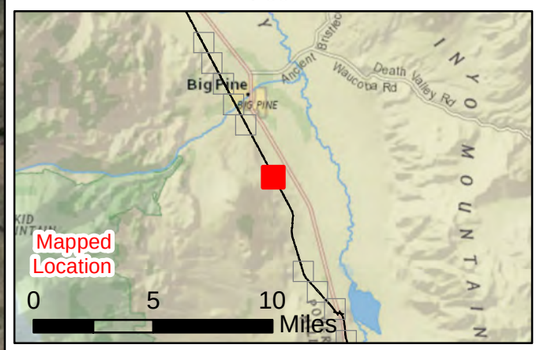

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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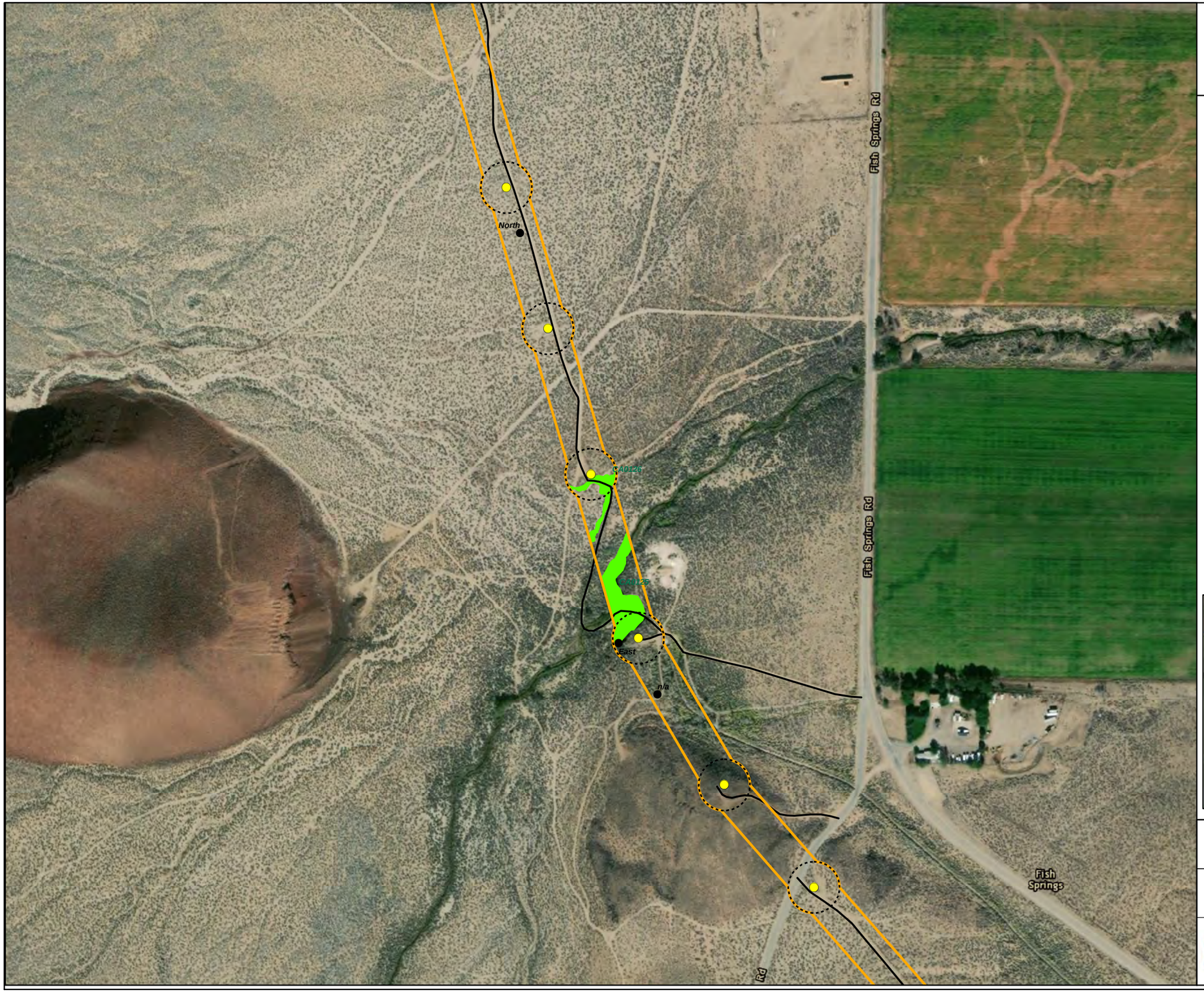

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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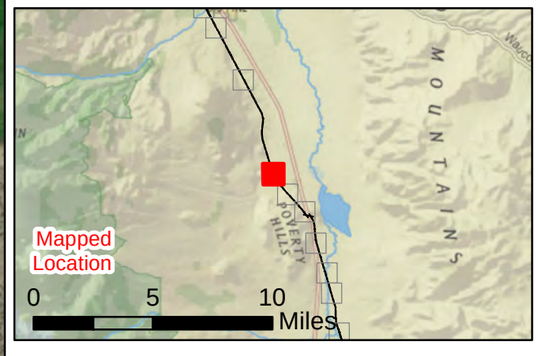

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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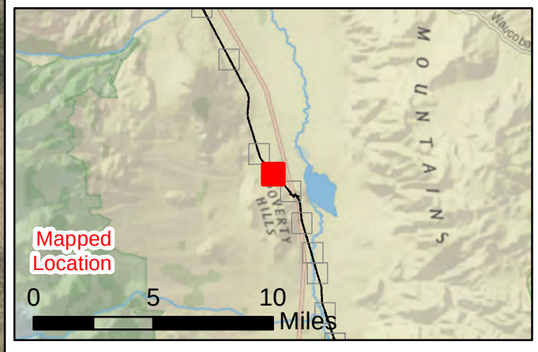

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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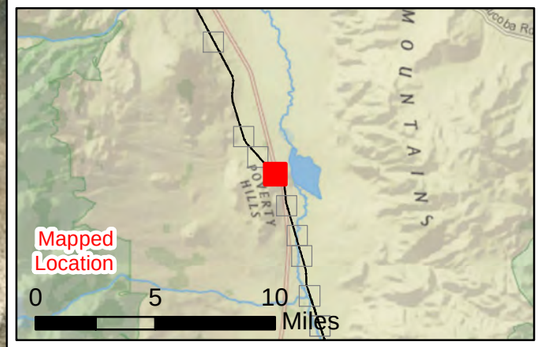

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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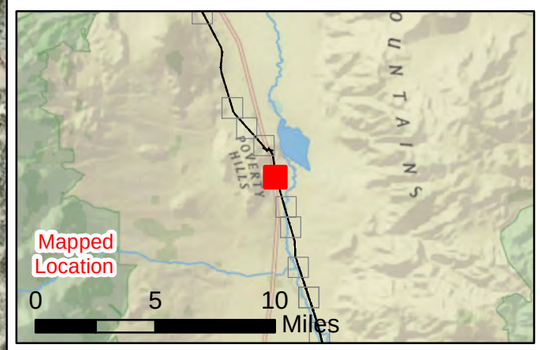

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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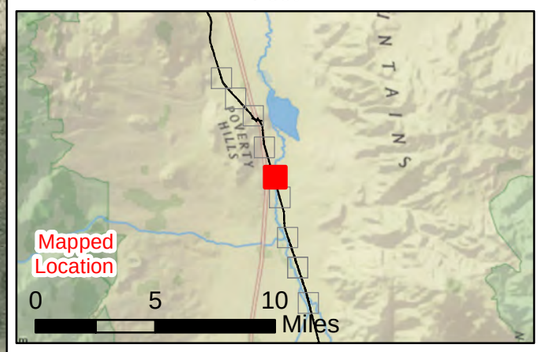
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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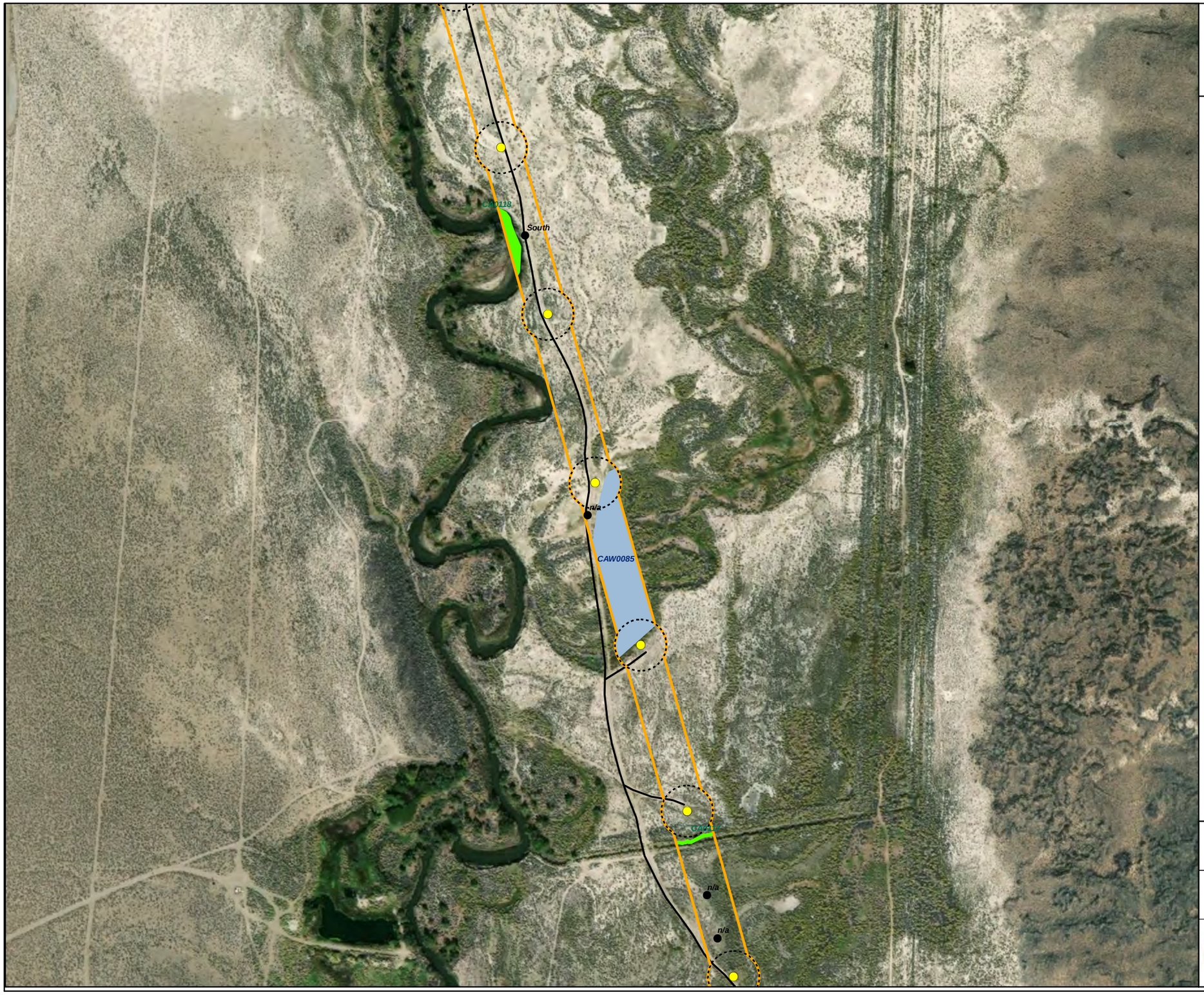
Coordinate System: NAD 1983 UTM Zone 11N

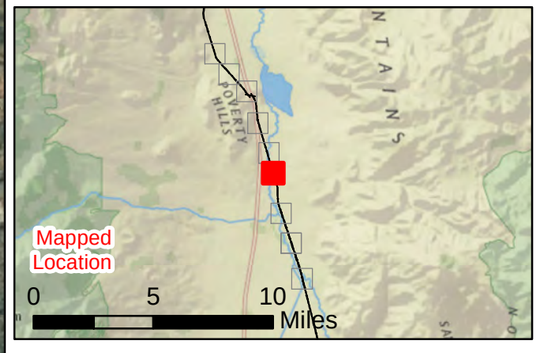


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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- CDFW Wetland Waters
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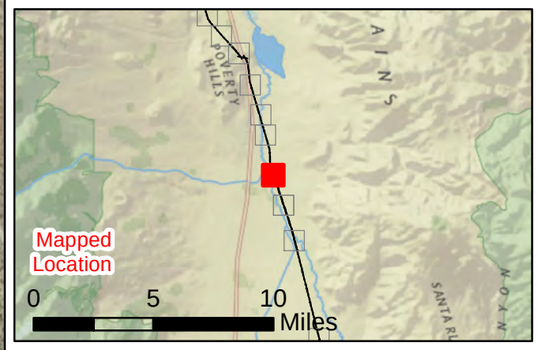
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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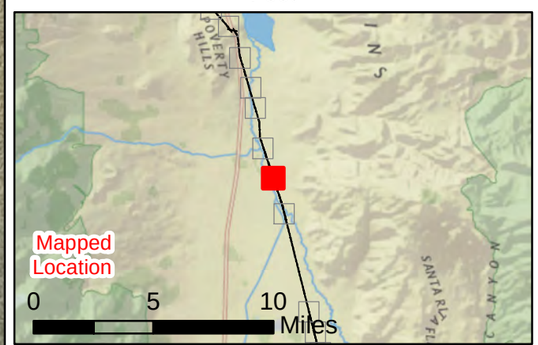
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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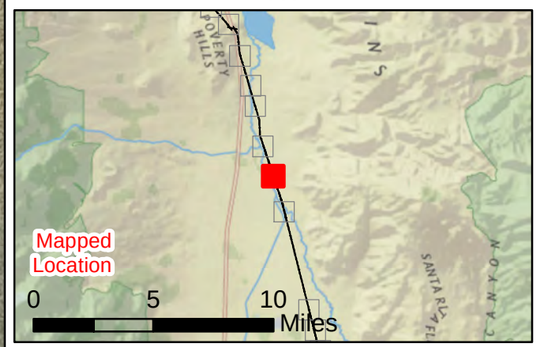
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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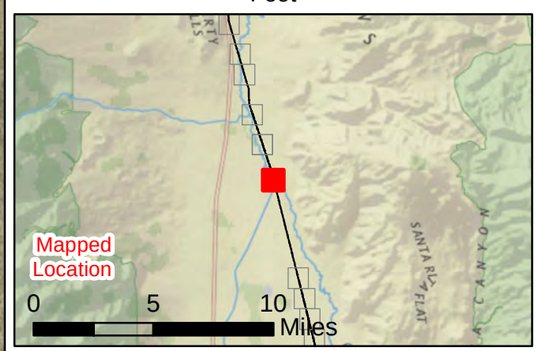
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

- Structure Location
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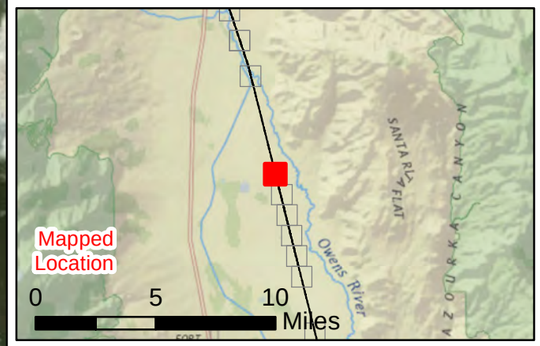
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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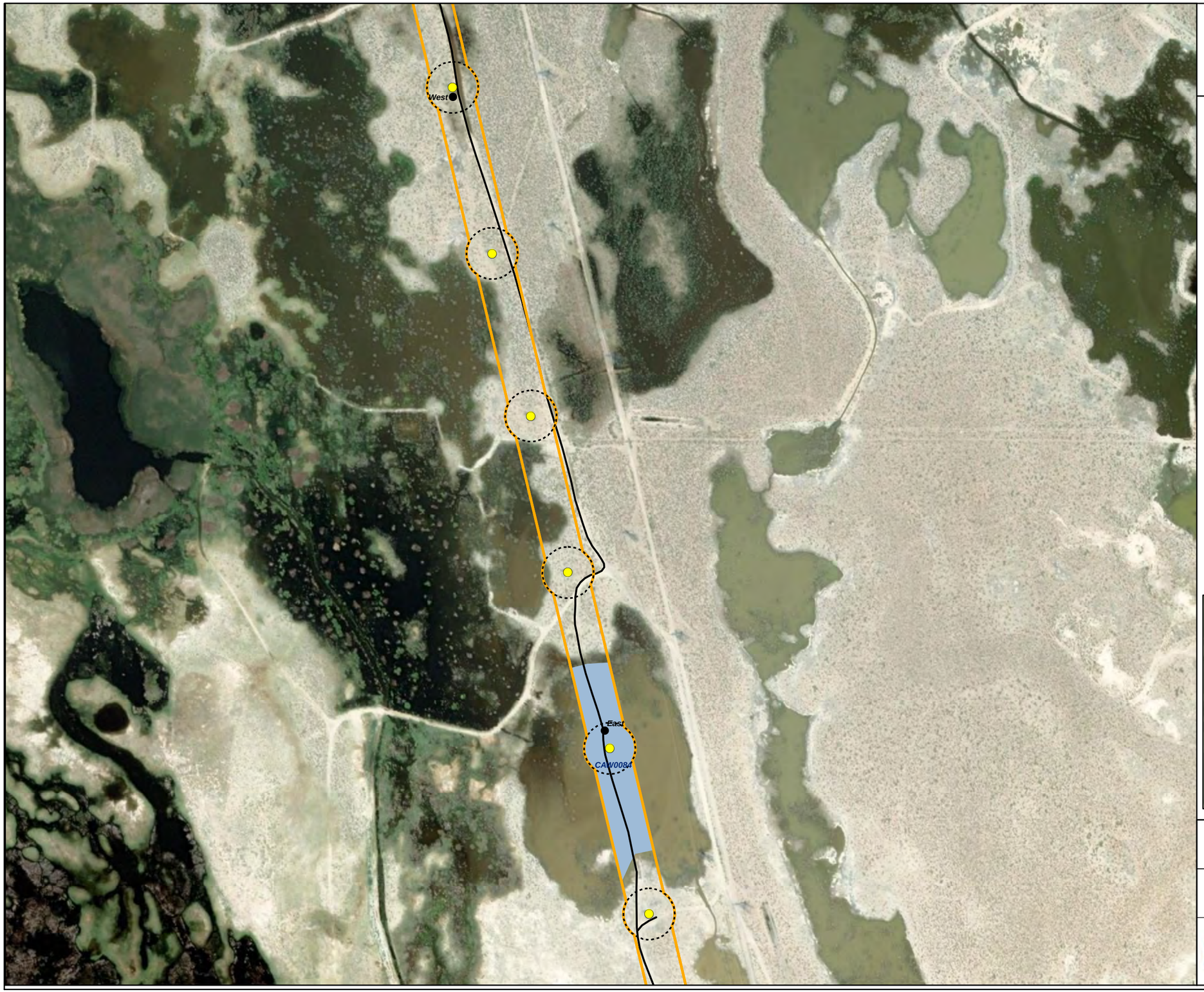

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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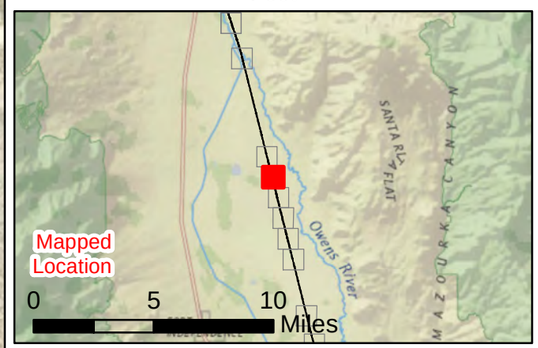
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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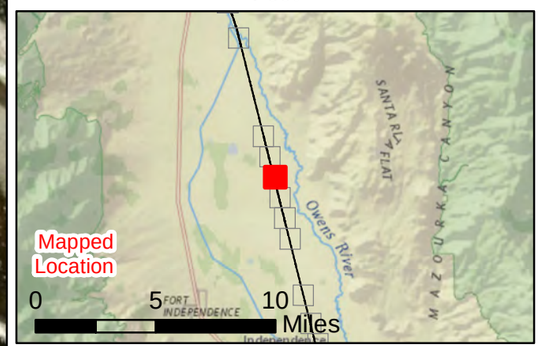
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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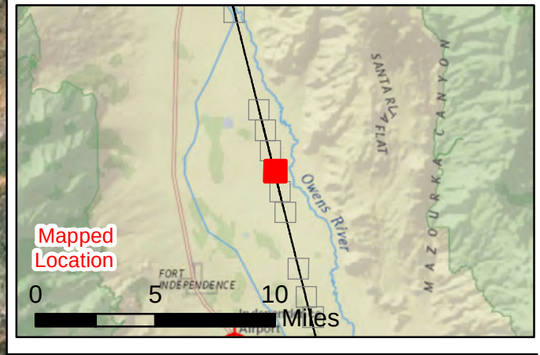
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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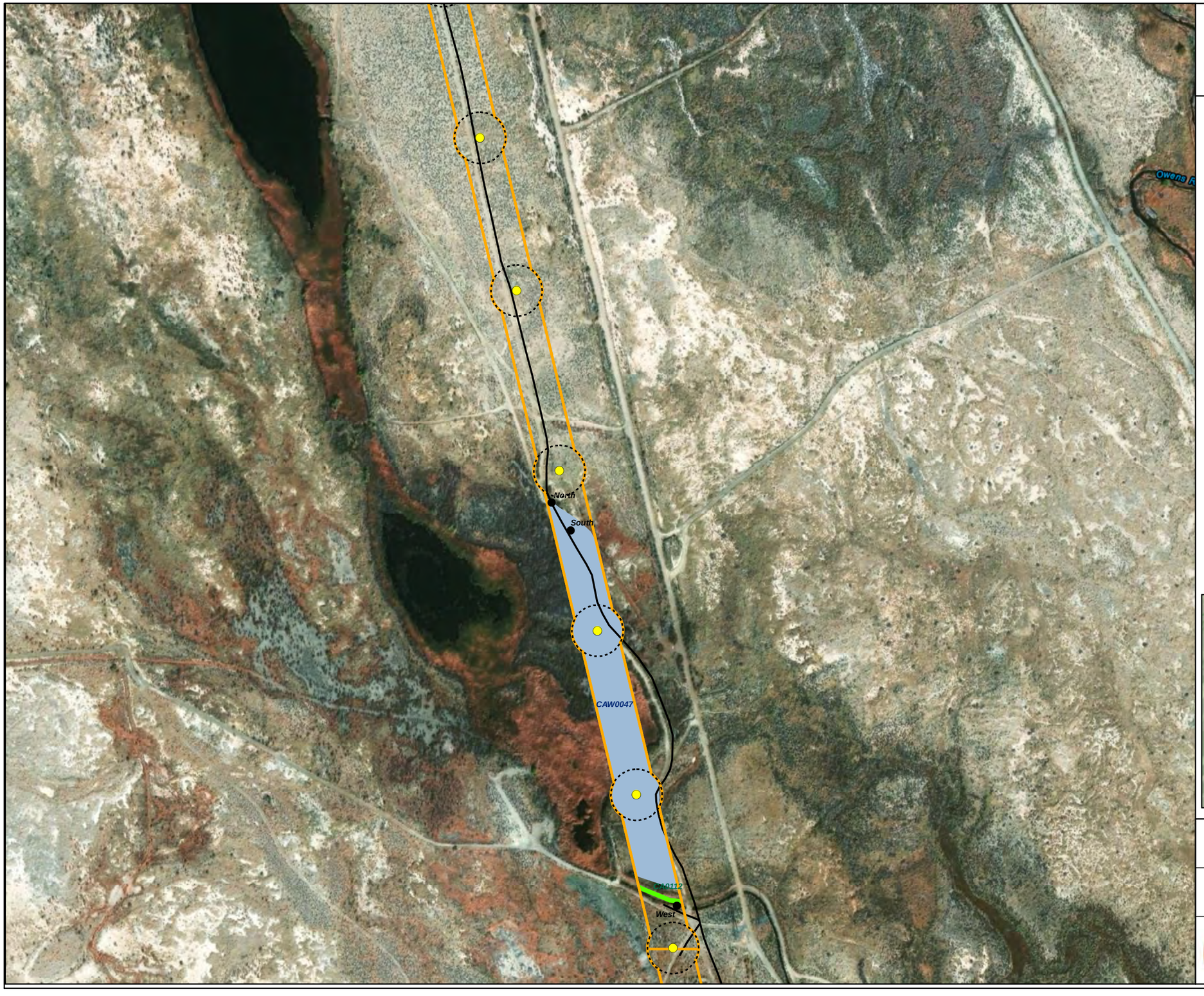

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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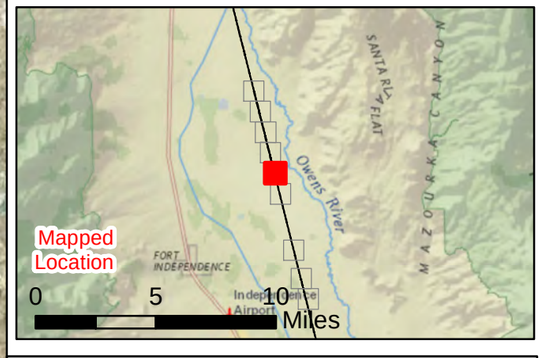
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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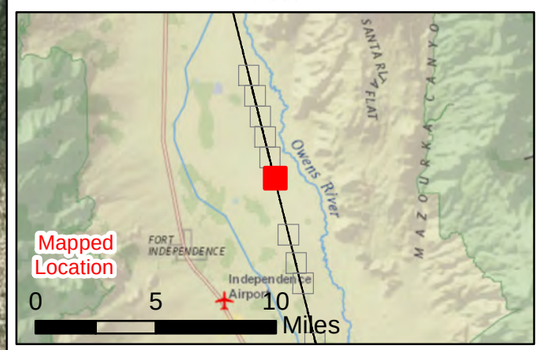
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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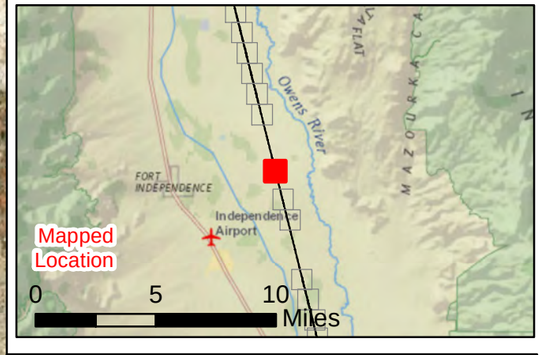
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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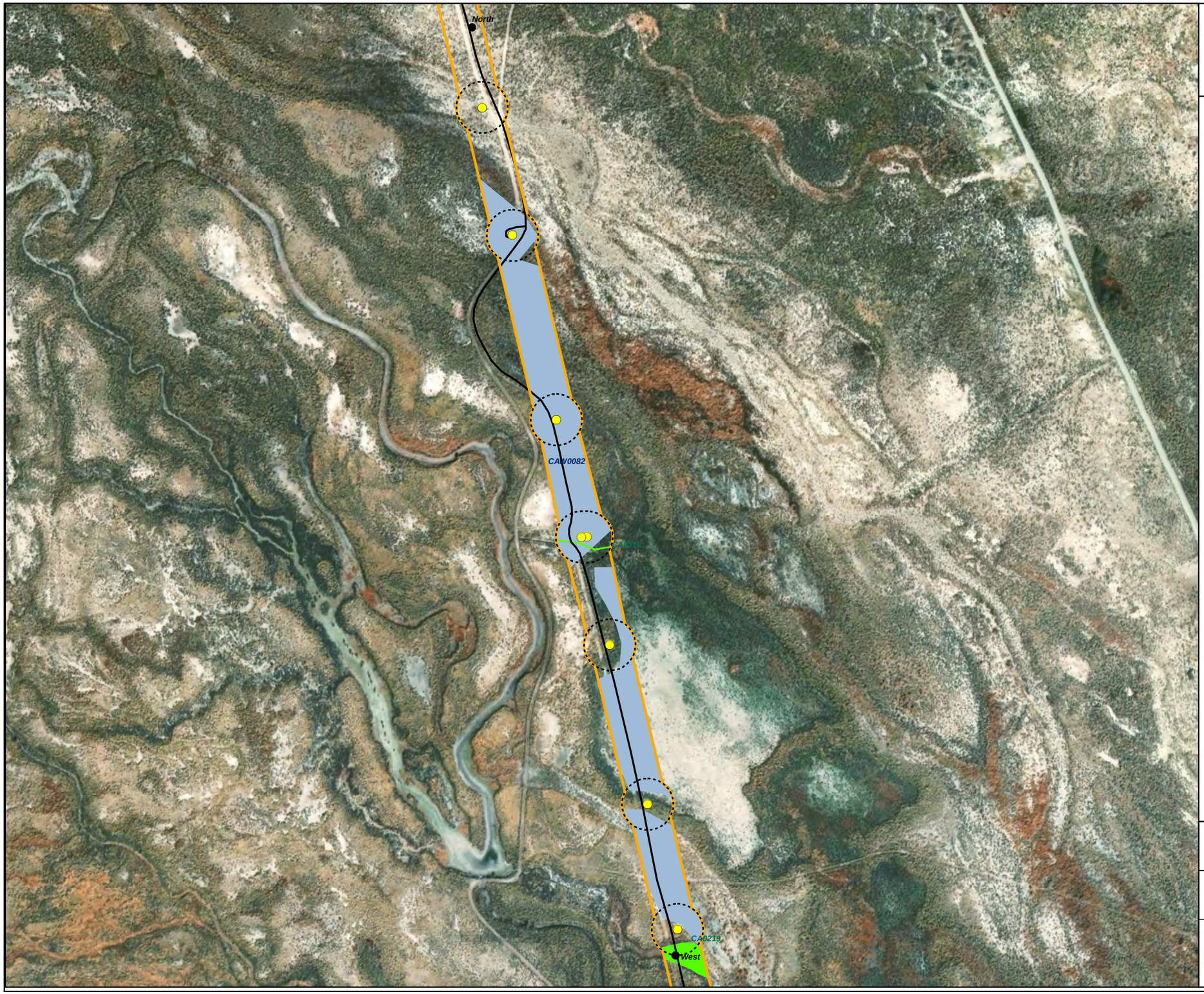

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
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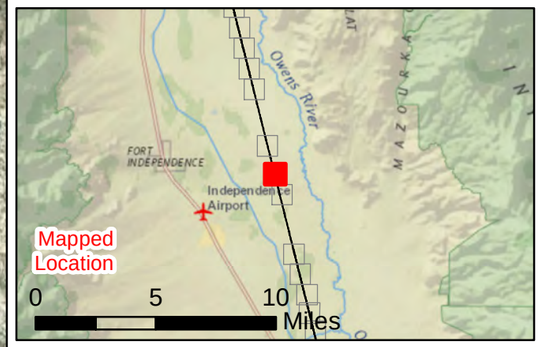
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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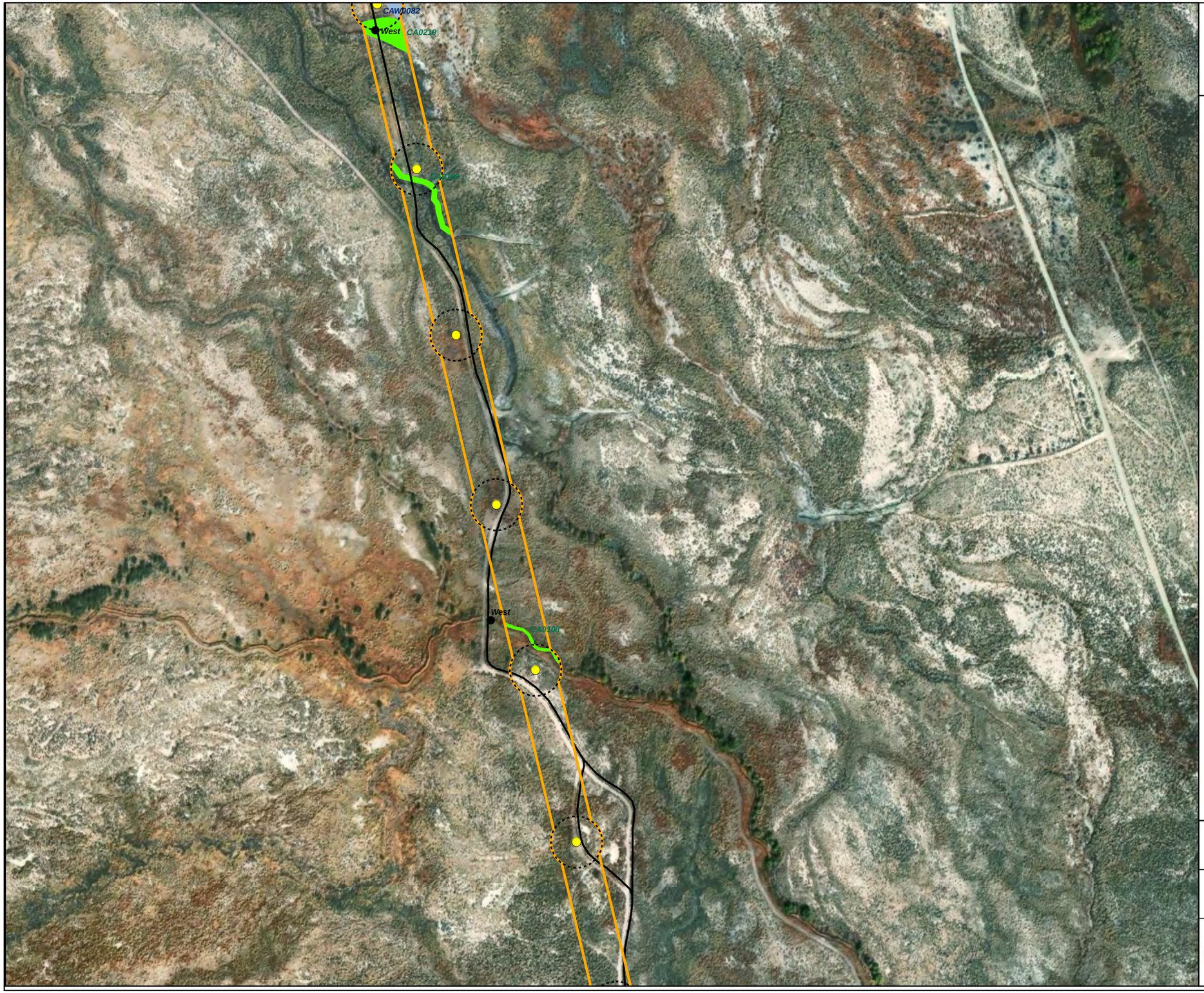
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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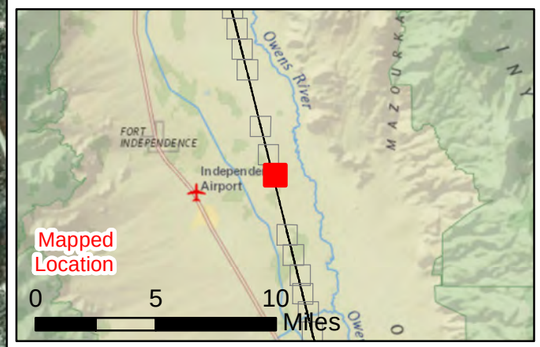
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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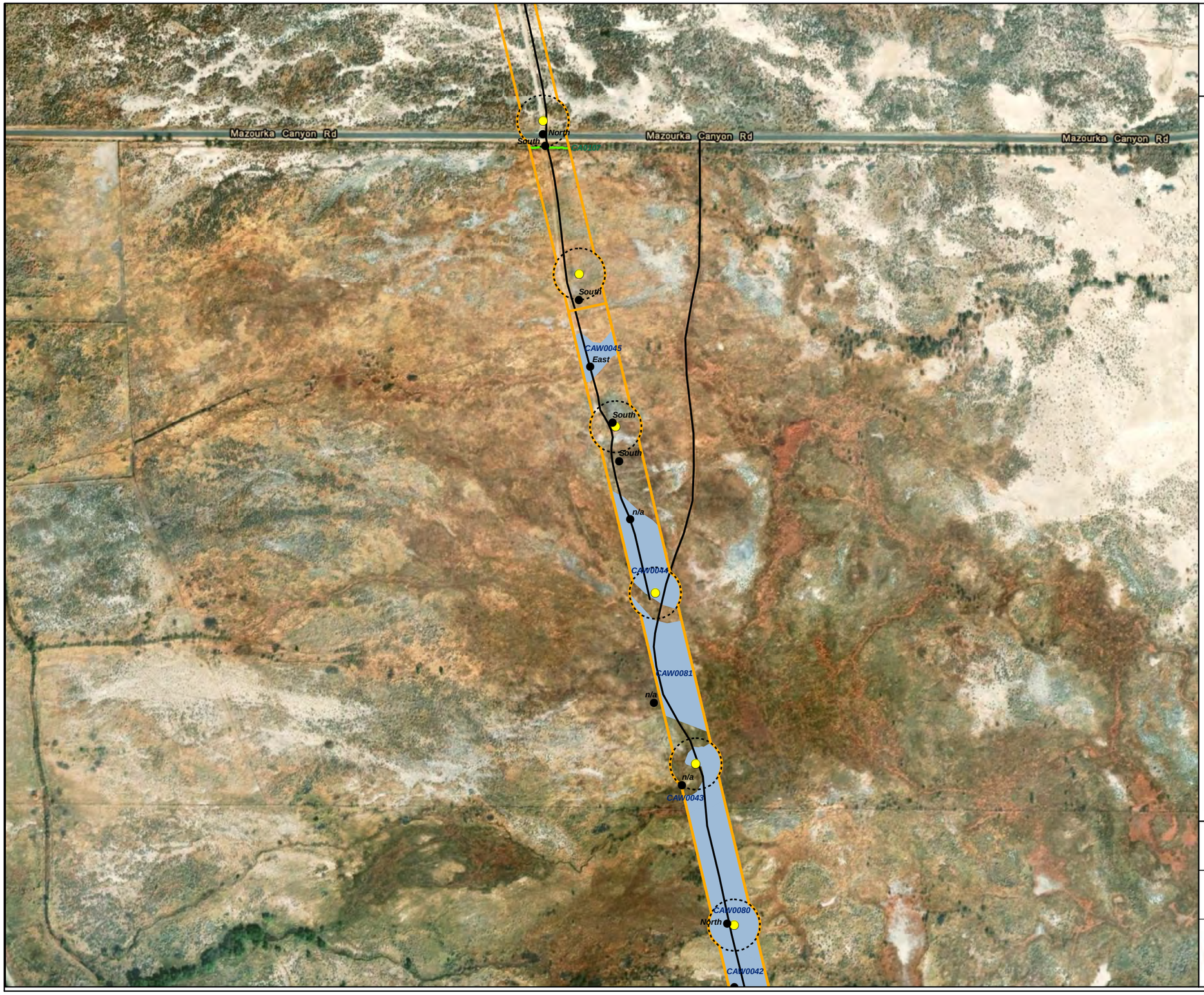
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

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- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
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- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
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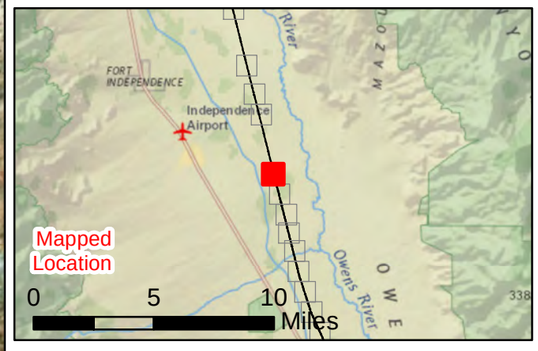
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

Figure:
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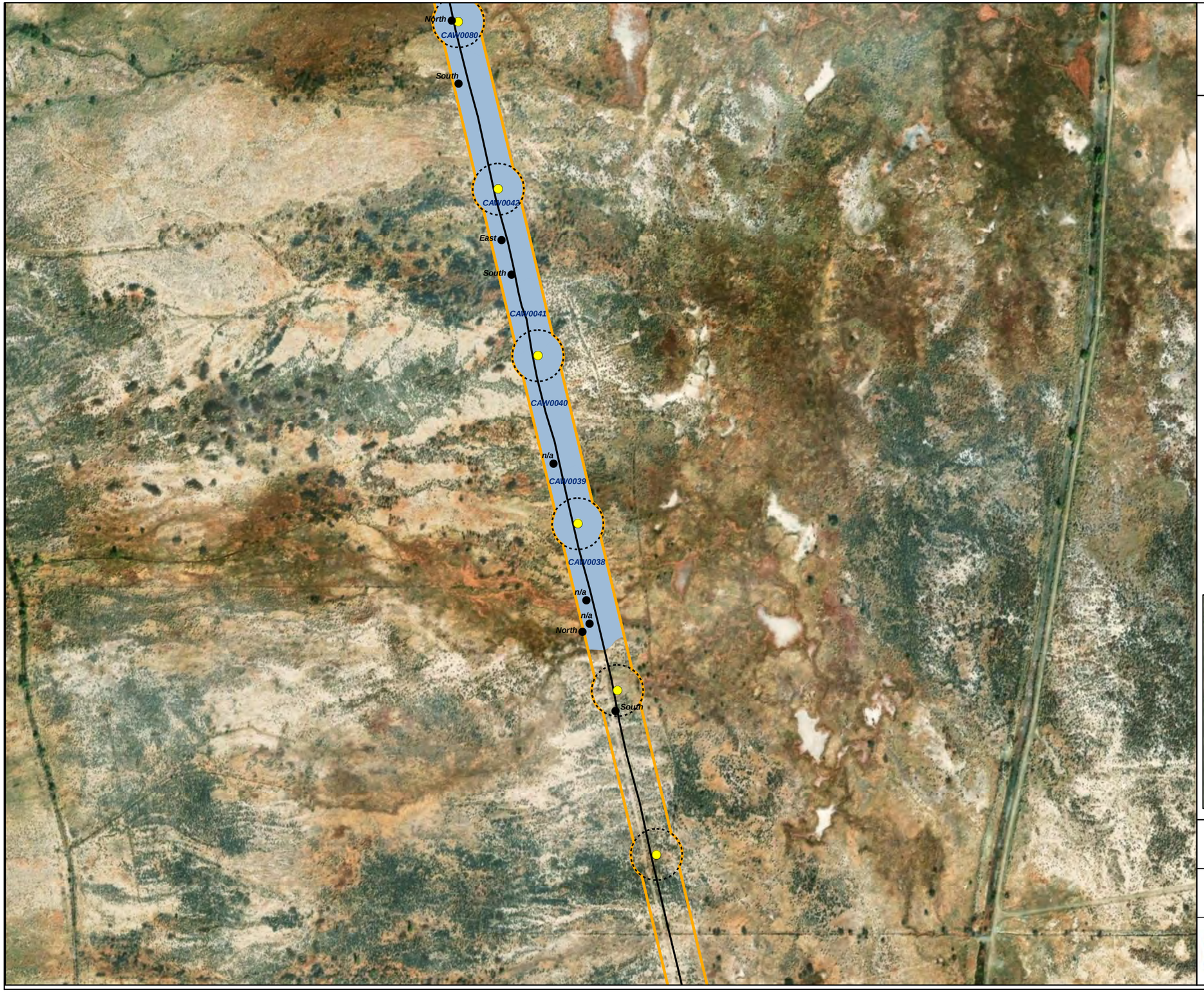
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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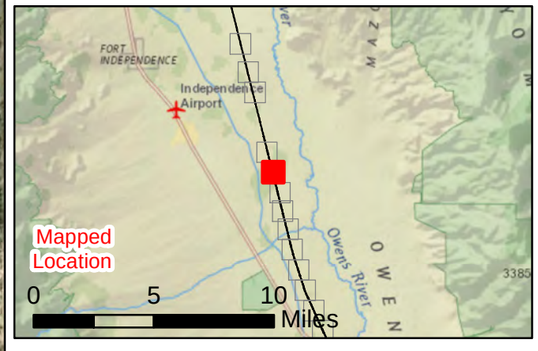
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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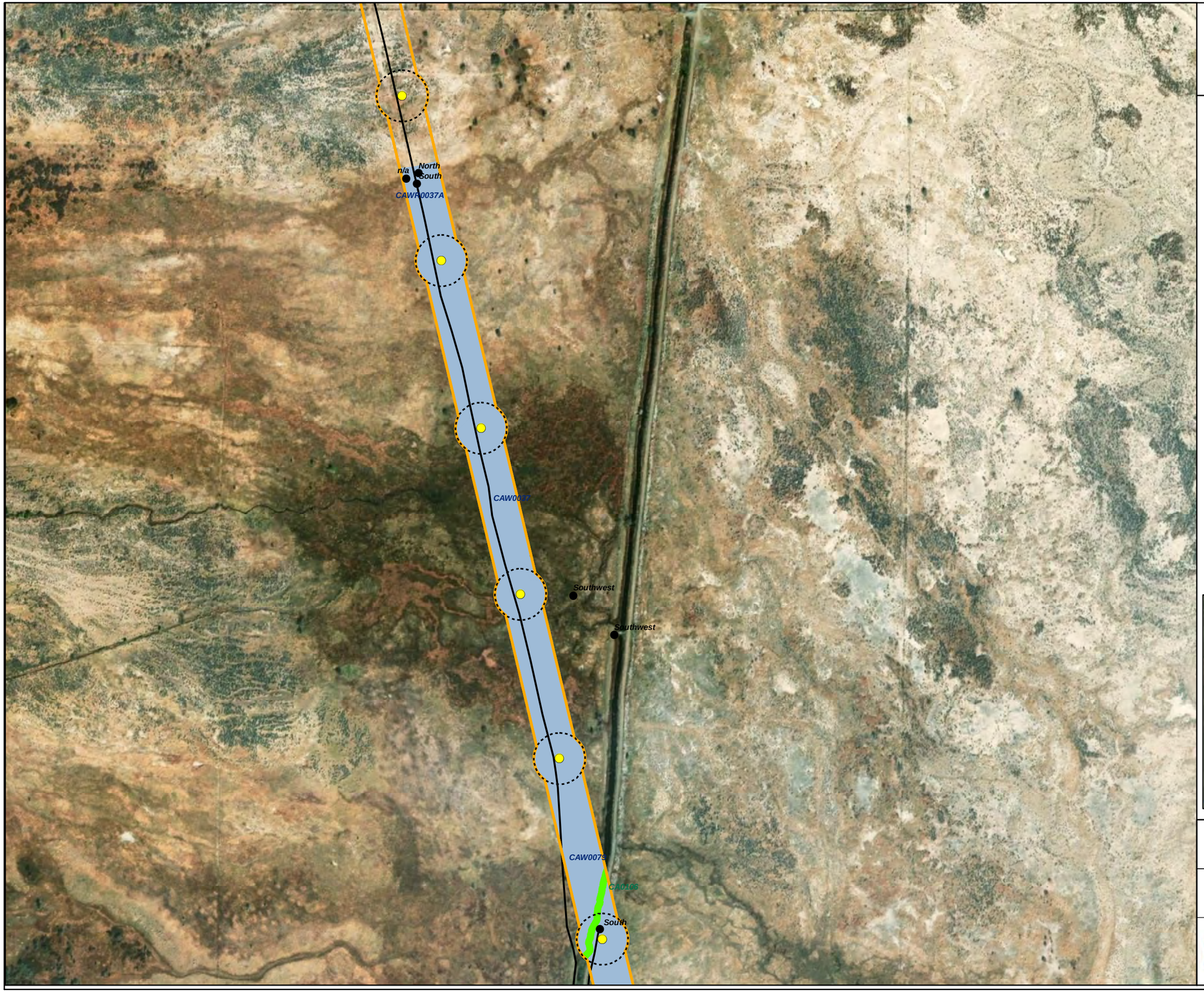
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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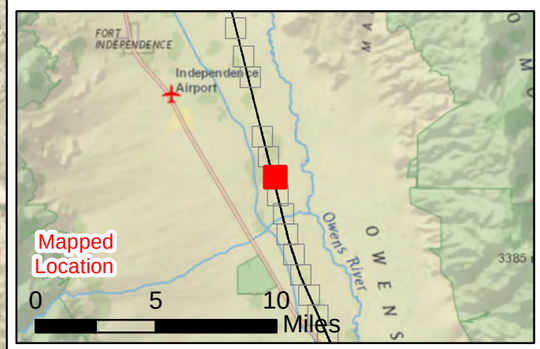
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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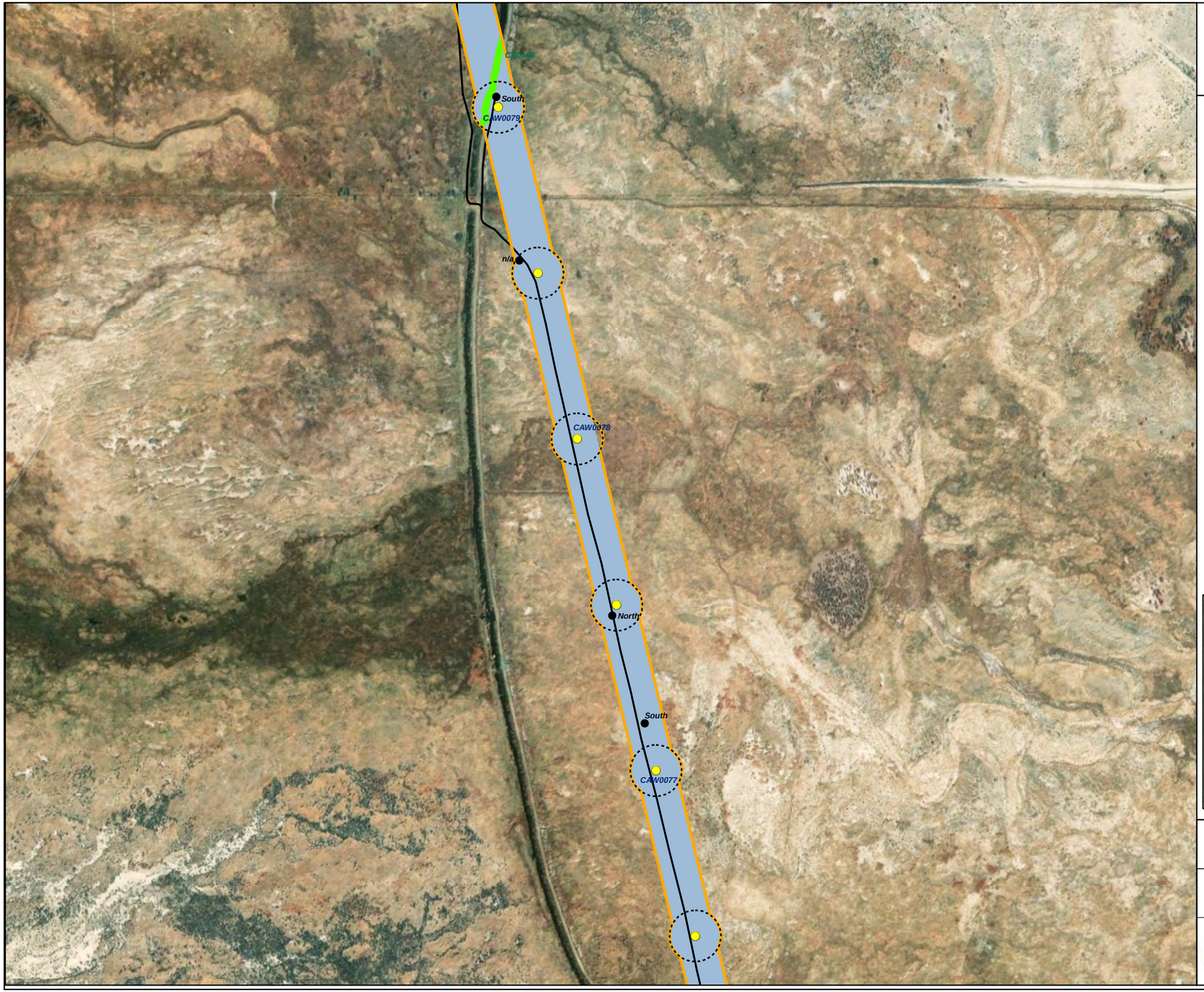
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Substation Location
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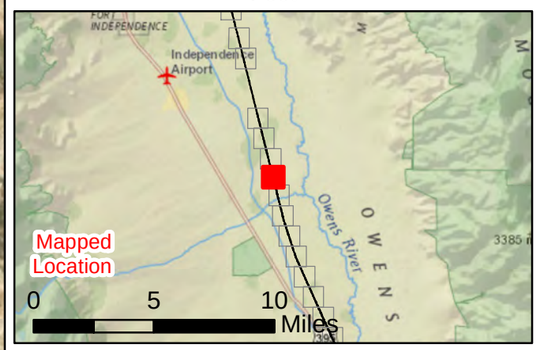
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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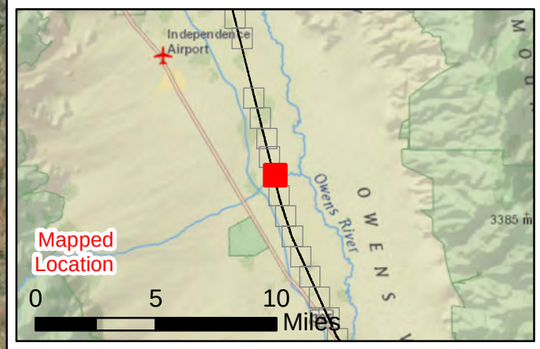

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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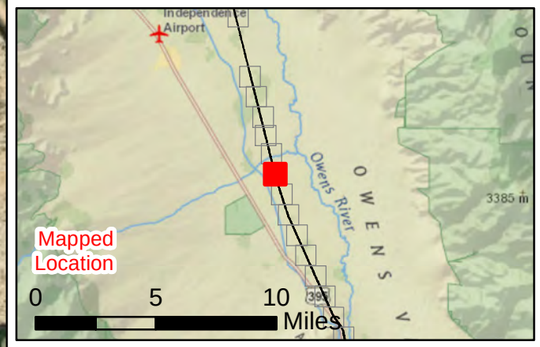
\\corpargis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENV\SCE\SCE_TLLR\ArcGIS_Desktop\CHITLLR CH_11_17_Landscape CDFW JD Mapping.mxd 9/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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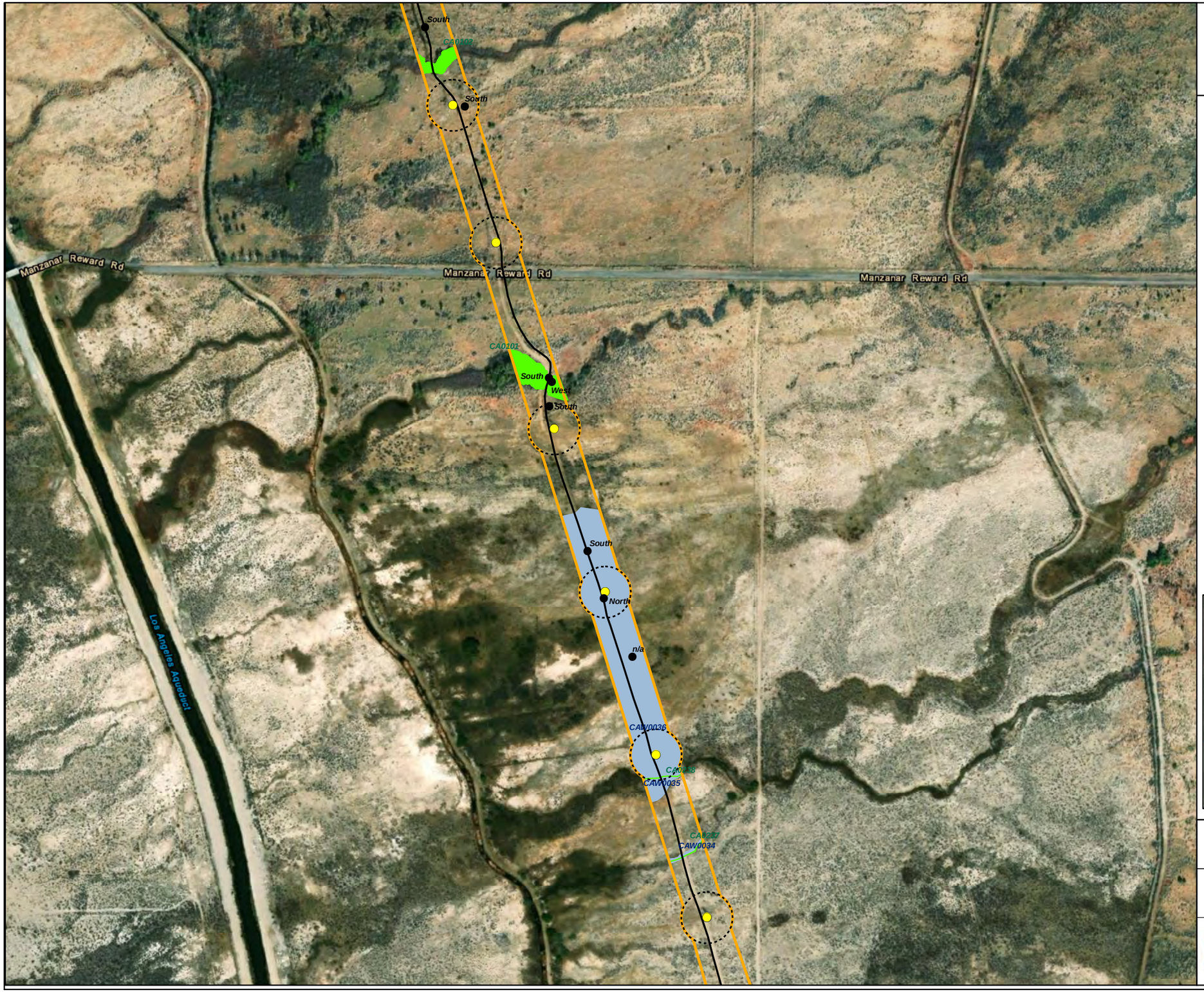
Coordinate System: NAD 1983 UTM Zone 11N

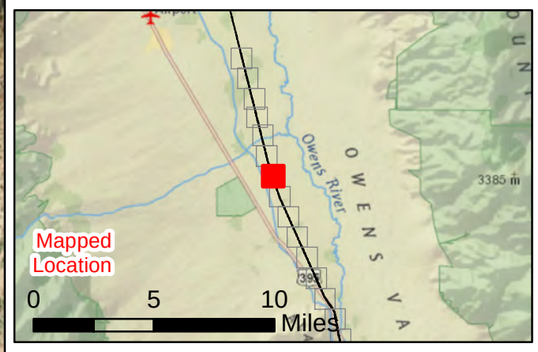


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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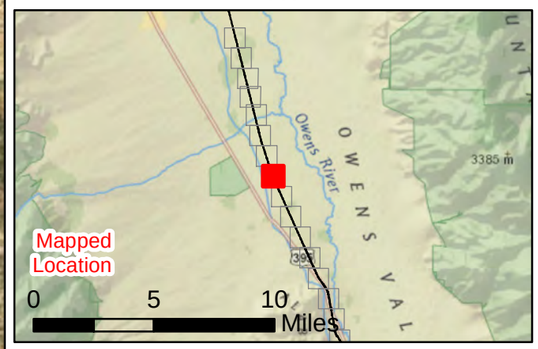
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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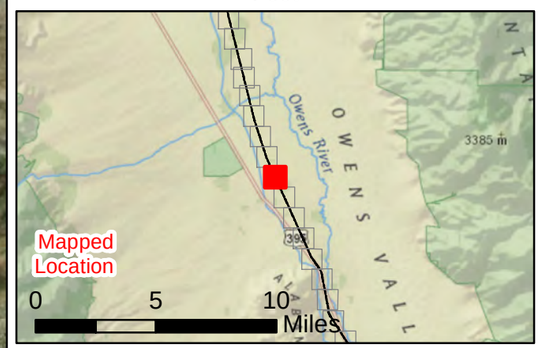
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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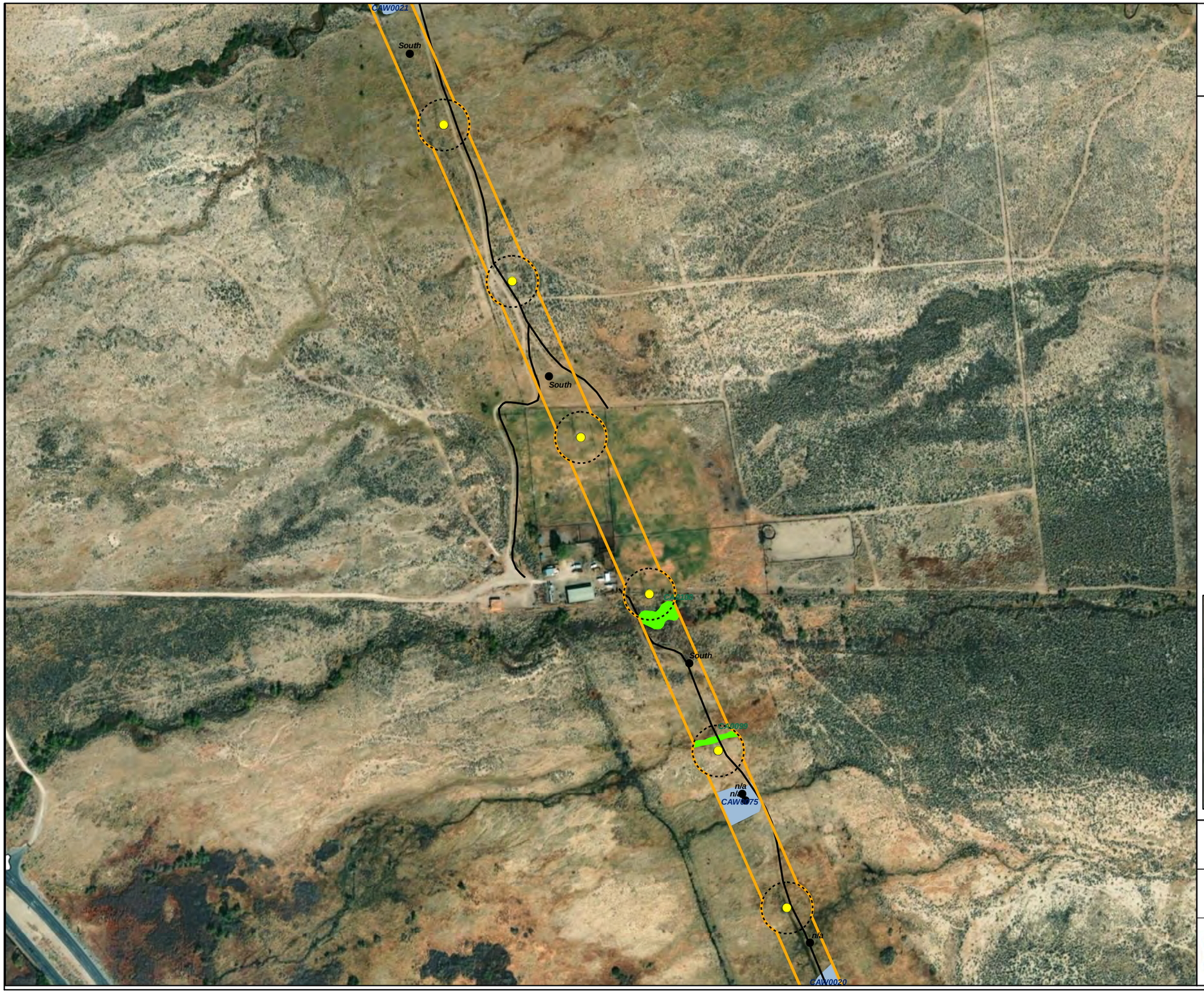
Coordinate System: NAD 1983 UTM Zone 11N

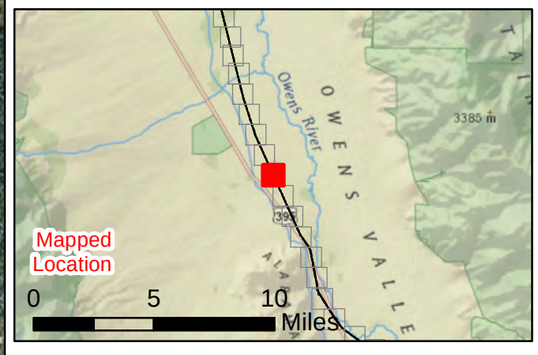


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
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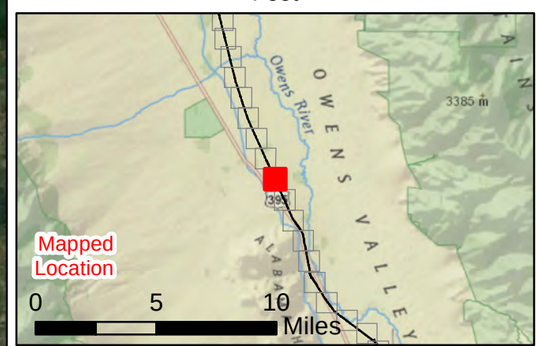
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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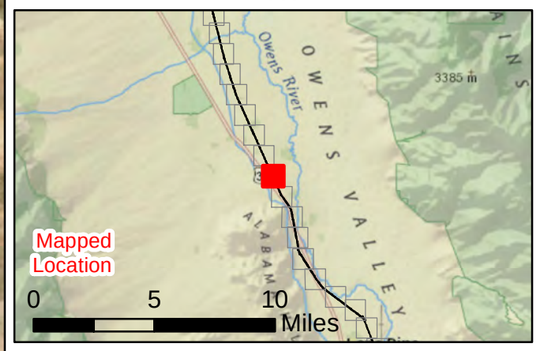
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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- Access Roads
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- CDFW Wetland Waters
- Wetland Sample Location
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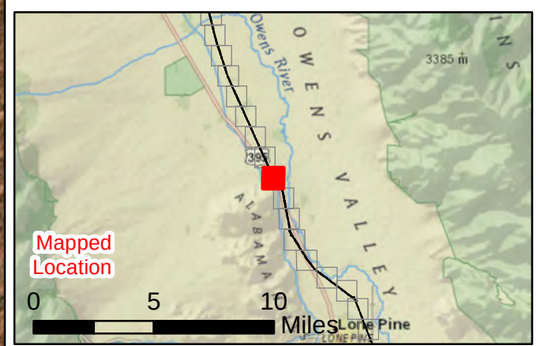
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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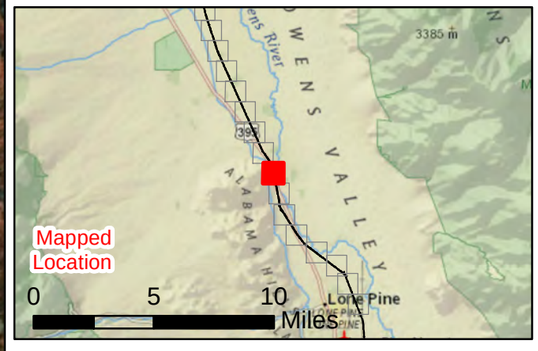
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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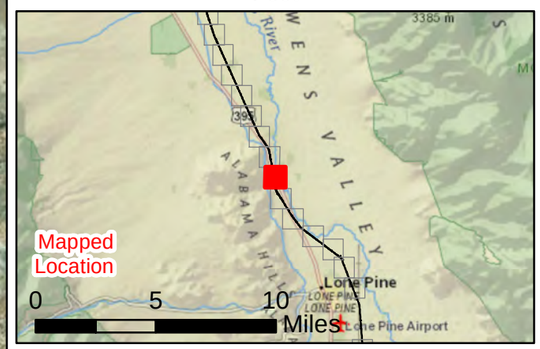
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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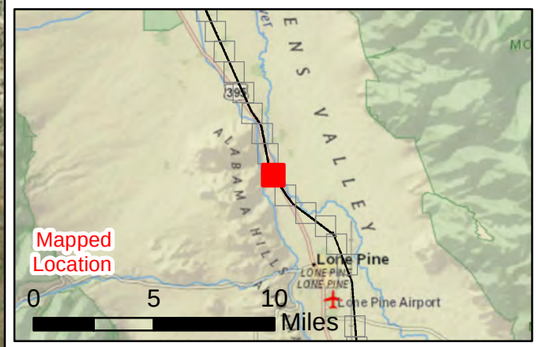
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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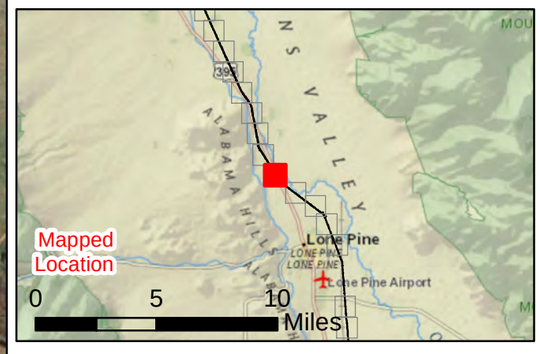
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Access Roads
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- CDFW Wetland Waters
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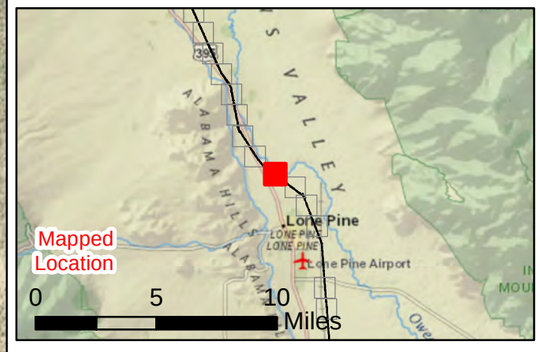
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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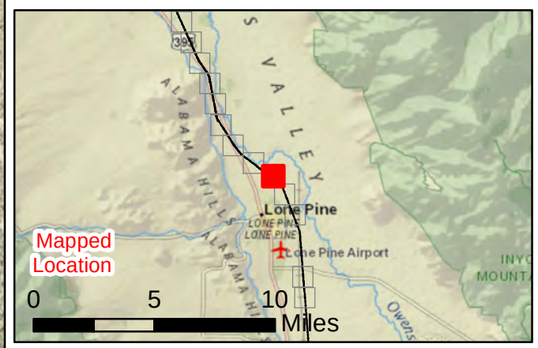
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
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- Wetland Sample Location
- Substation Location
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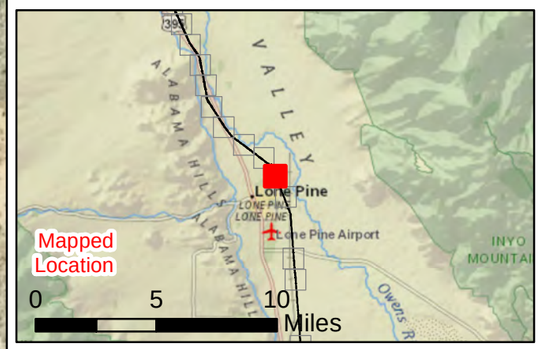
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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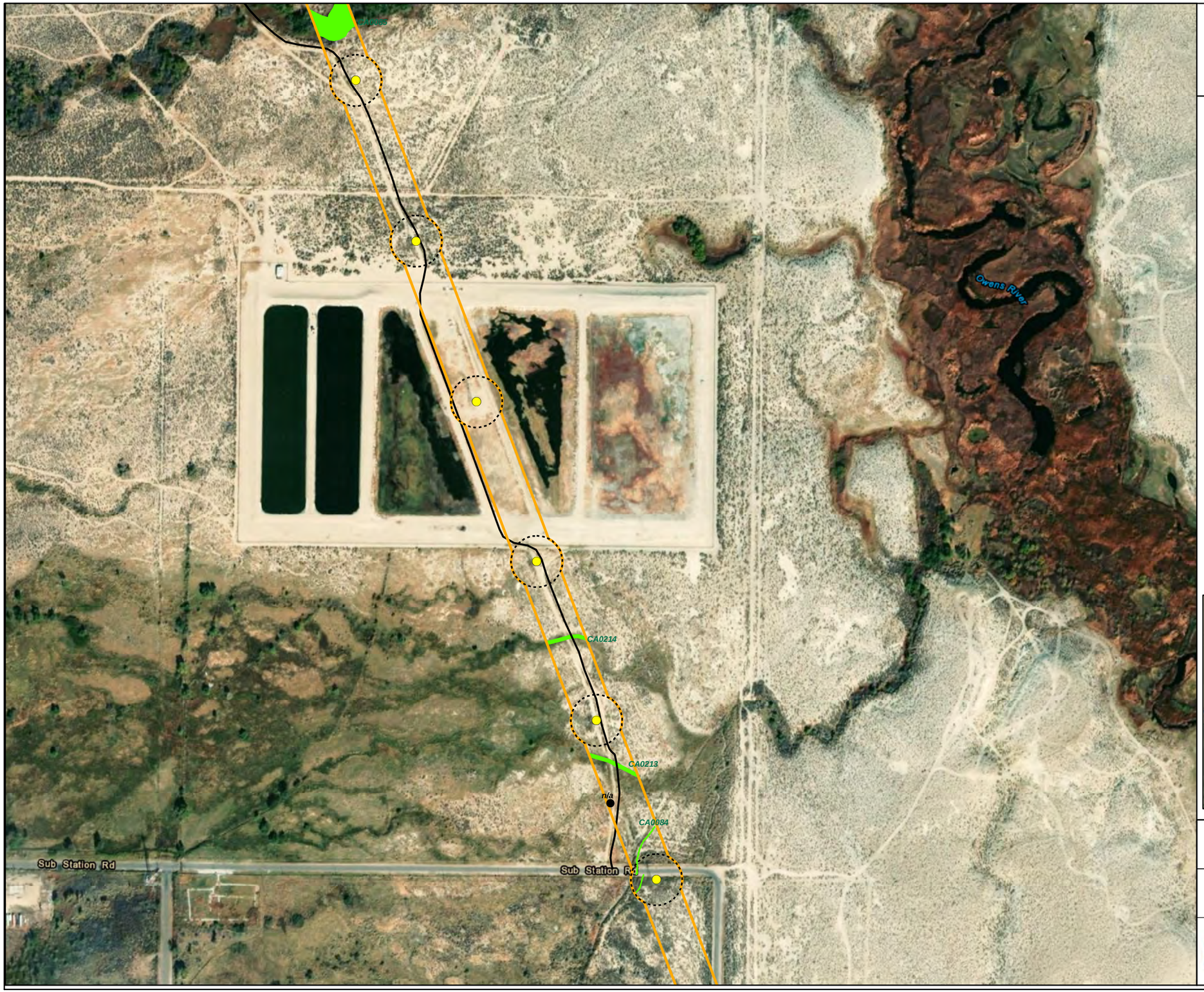
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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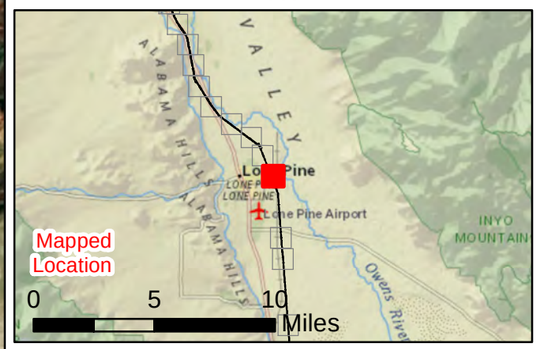
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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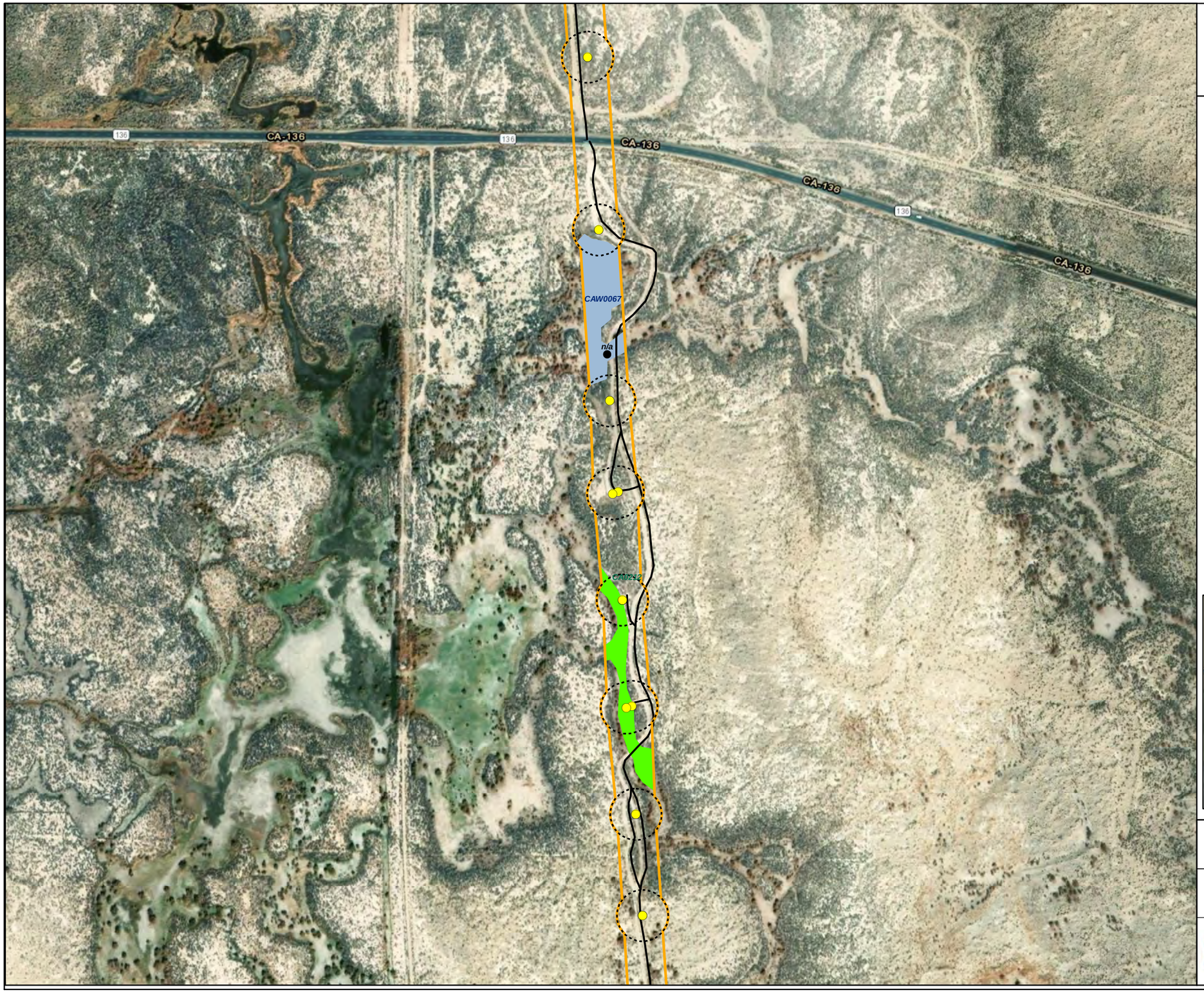
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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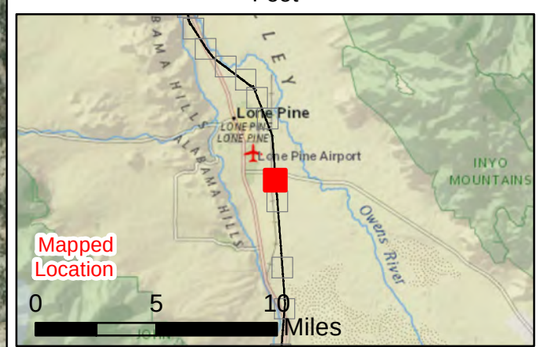
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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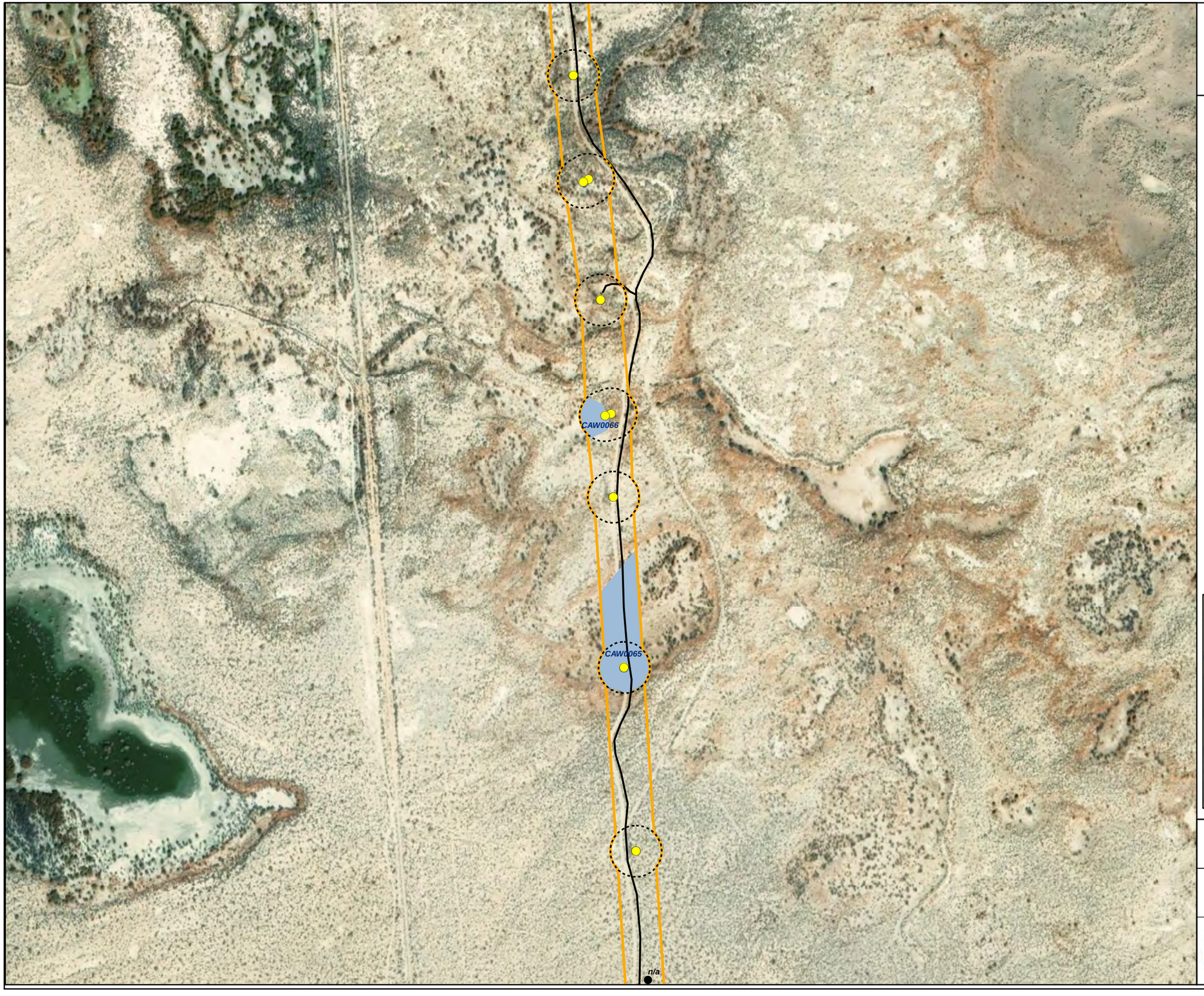
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
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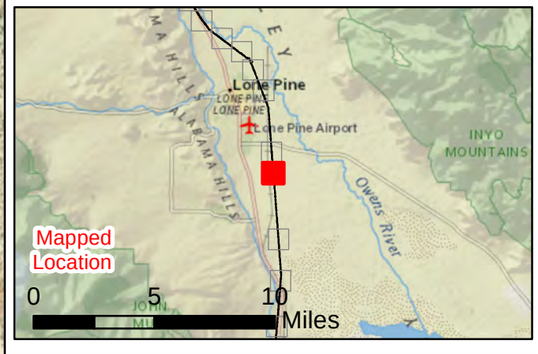
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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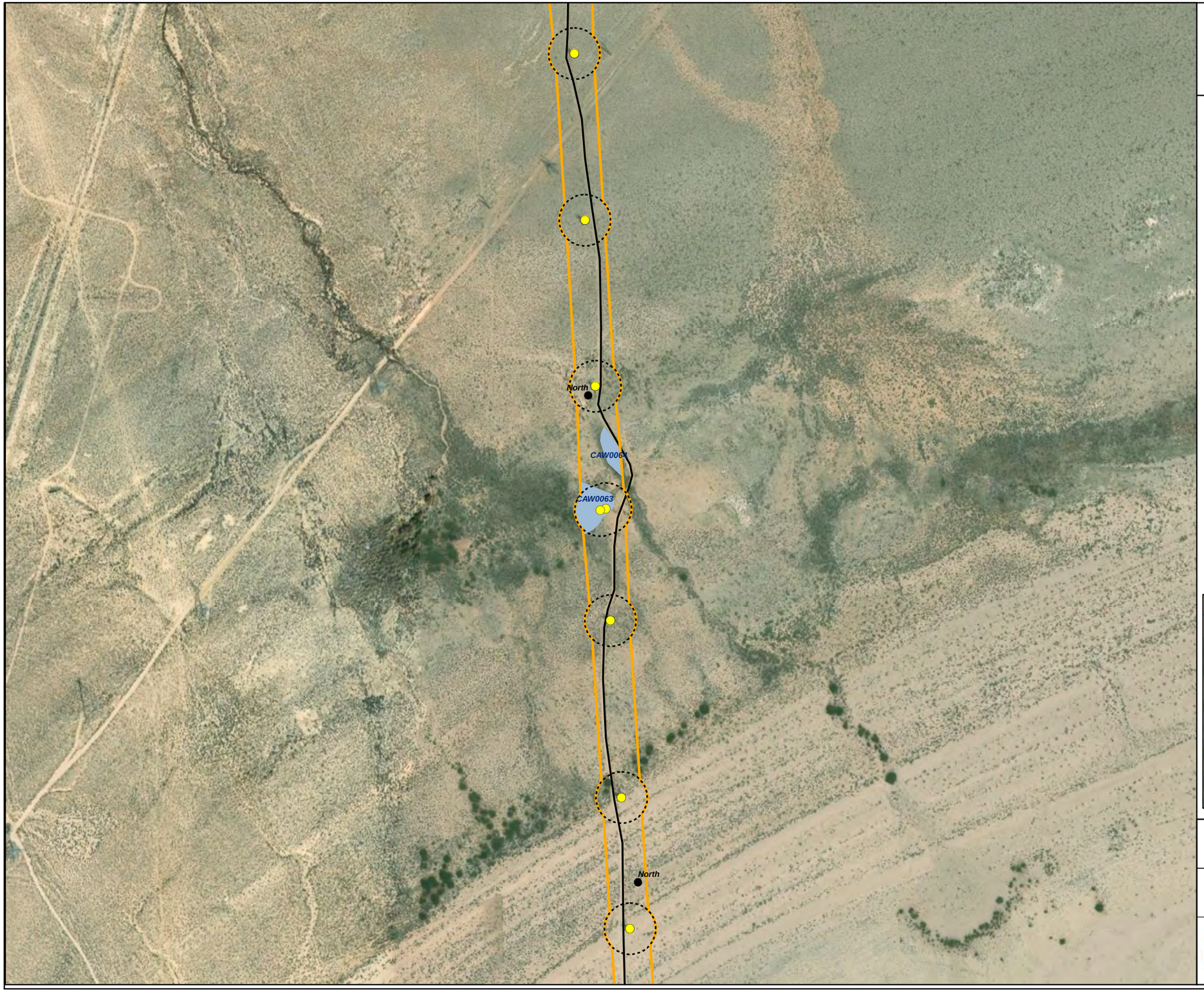
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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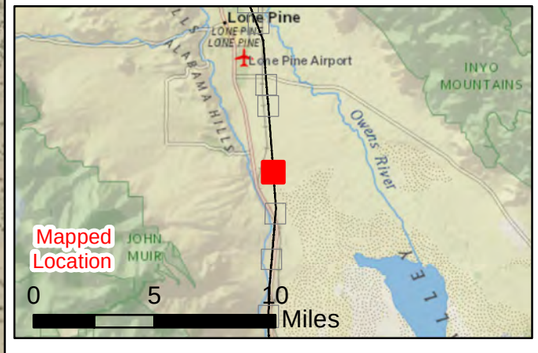

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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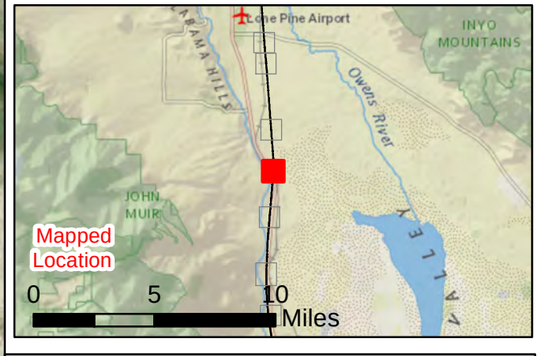

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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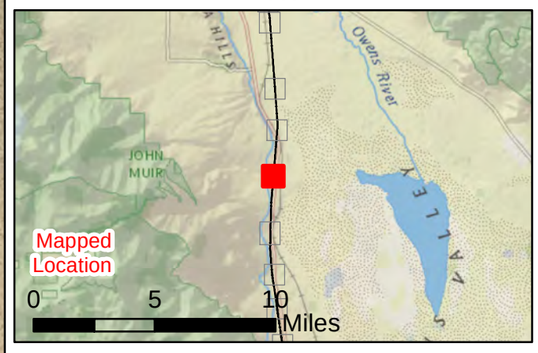
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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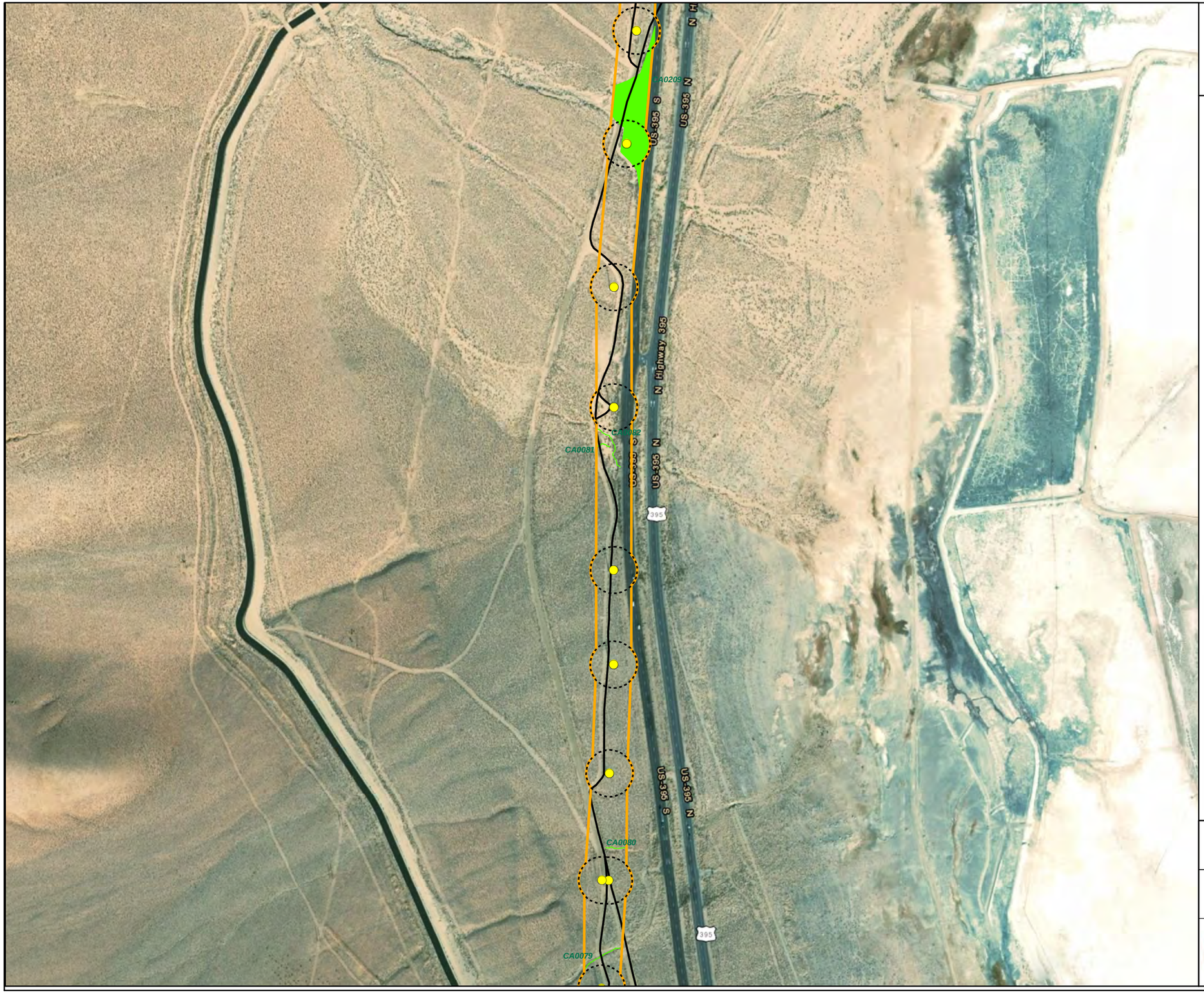
Coordinate System: NAD 1983 UTM Zone 11N

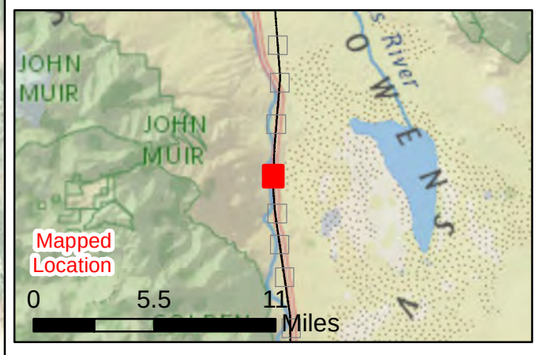


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:
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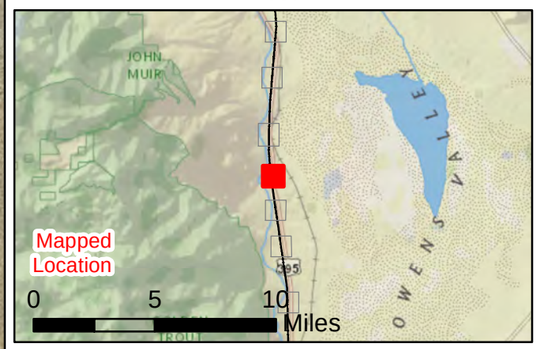
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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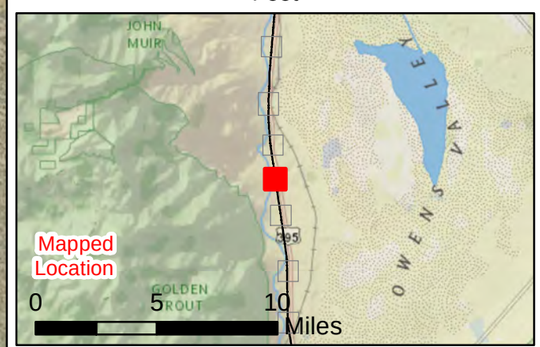
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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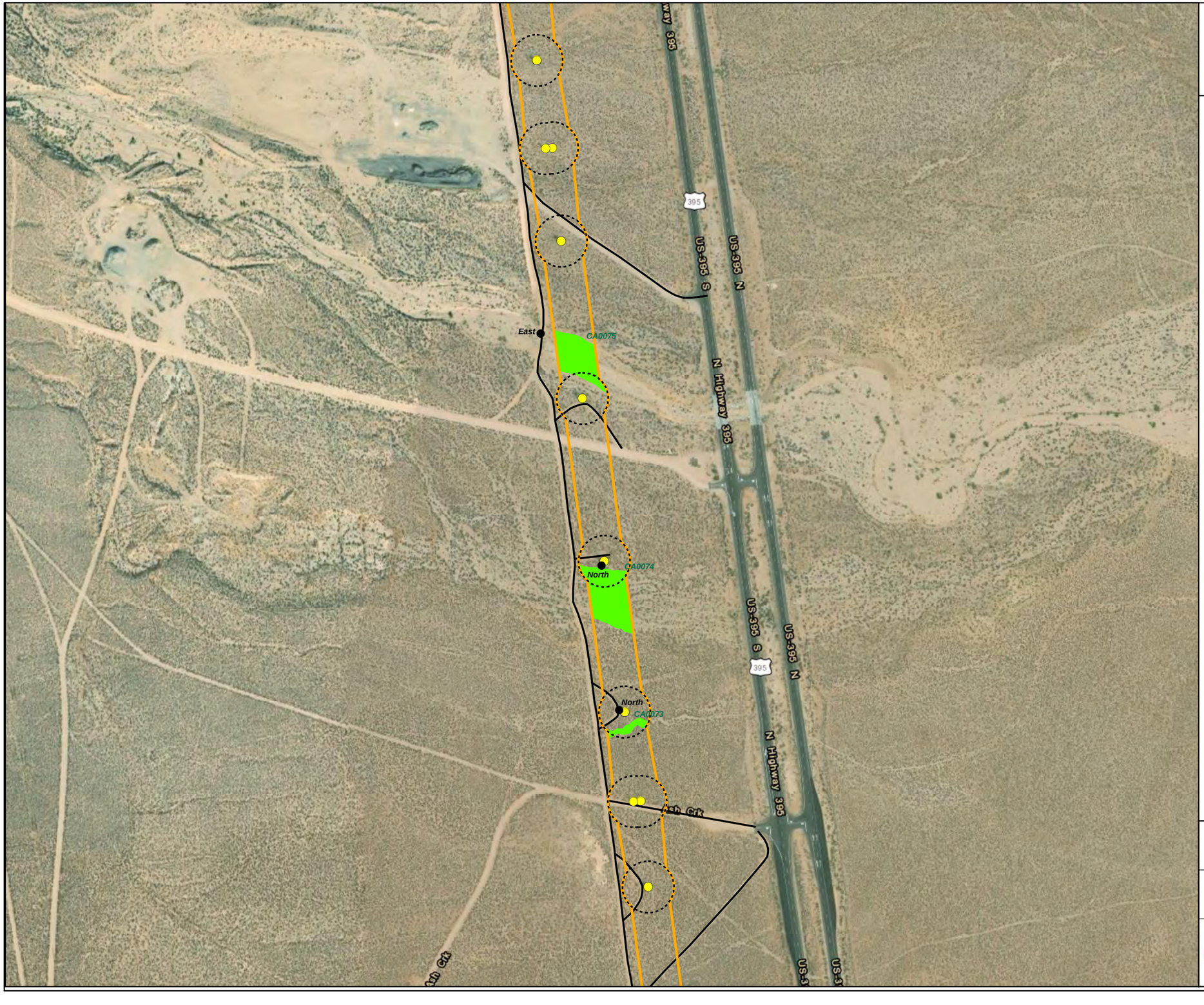

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
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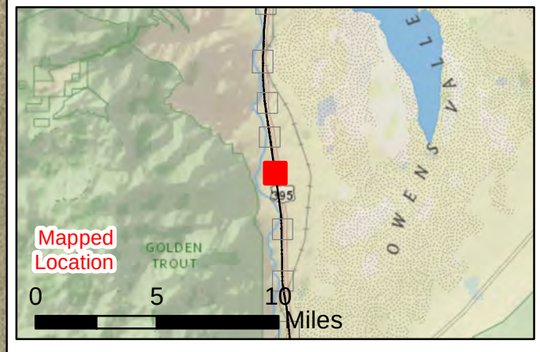
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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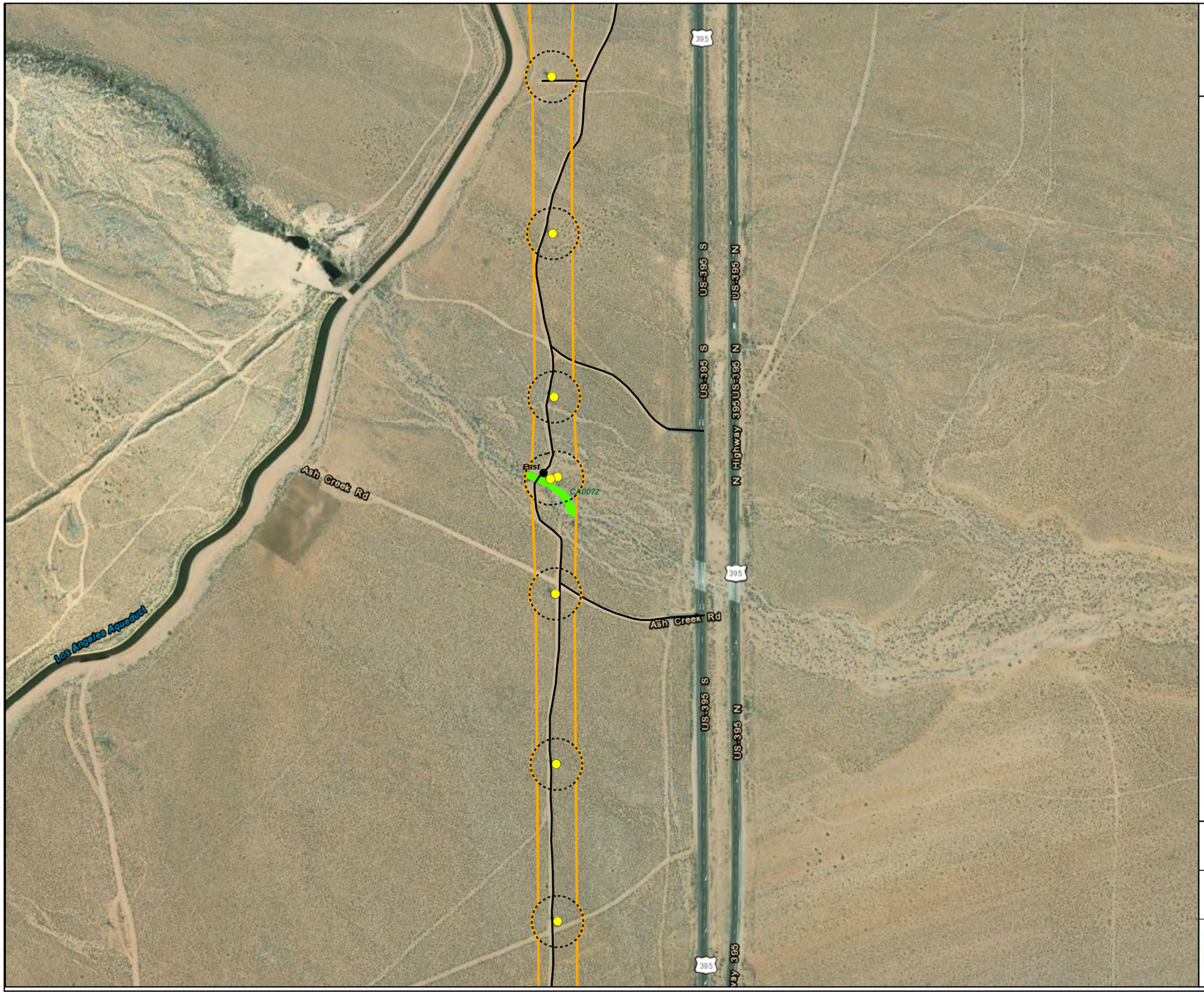
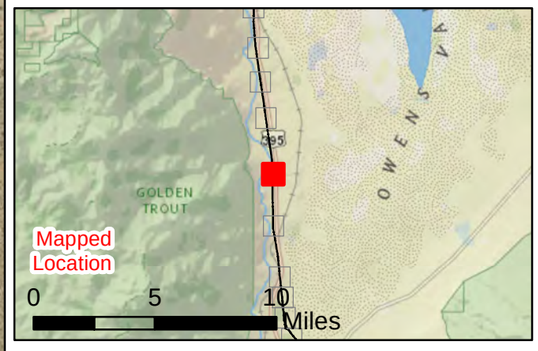


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
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- CDFW Wetland Waters
- Wetland Sample Location
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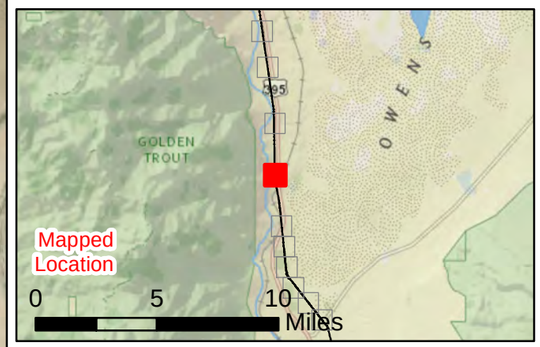
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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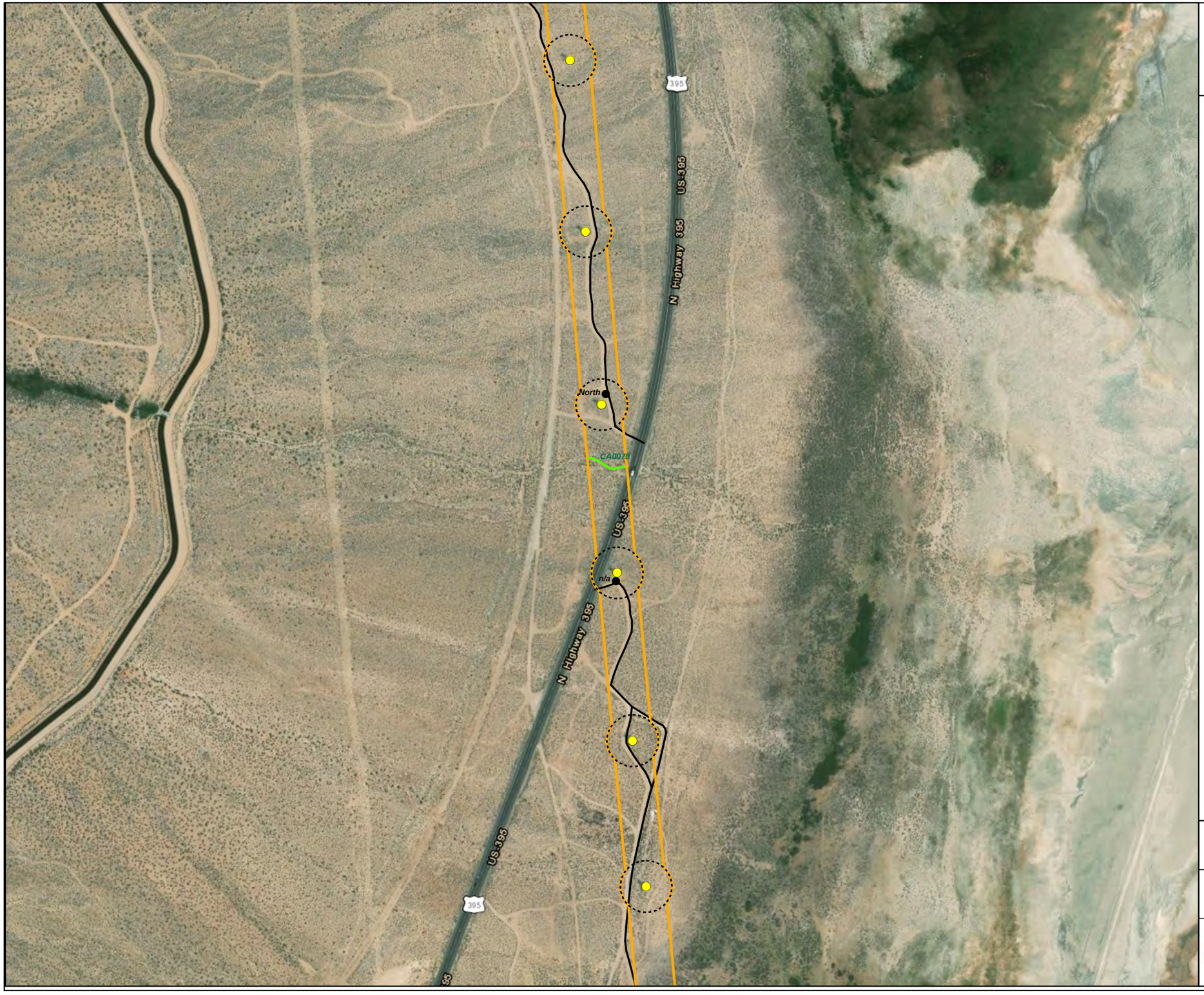
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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- Access Roads
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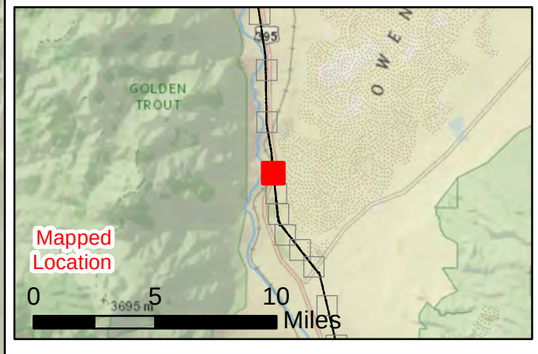
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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- CDFW Wetland Waters
- Wetland Sample Location
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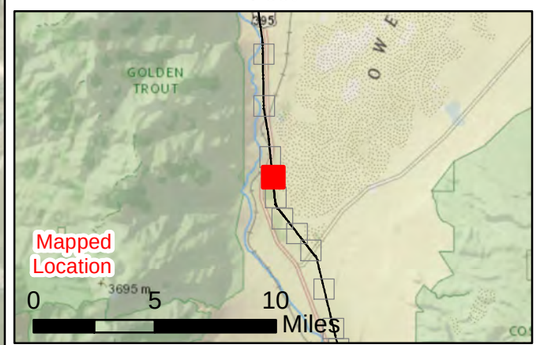
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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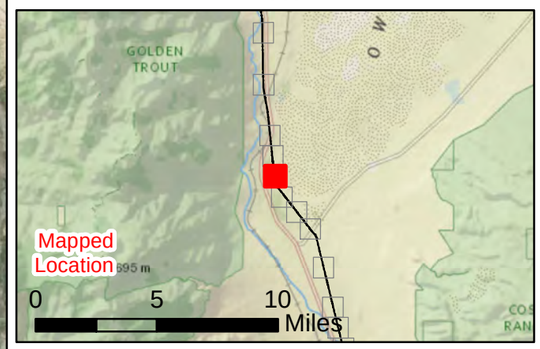
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Wetland Sample Location
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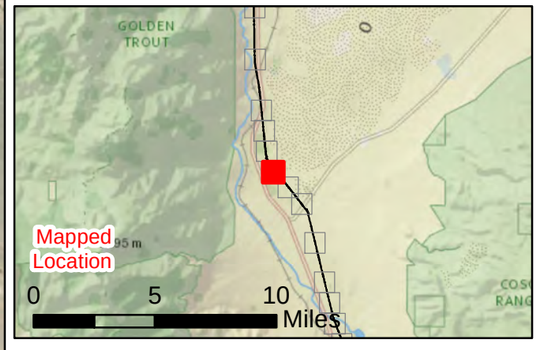
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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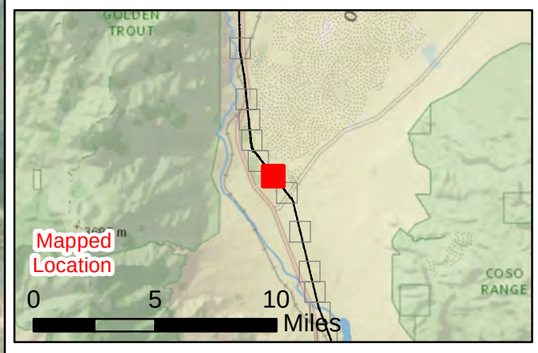
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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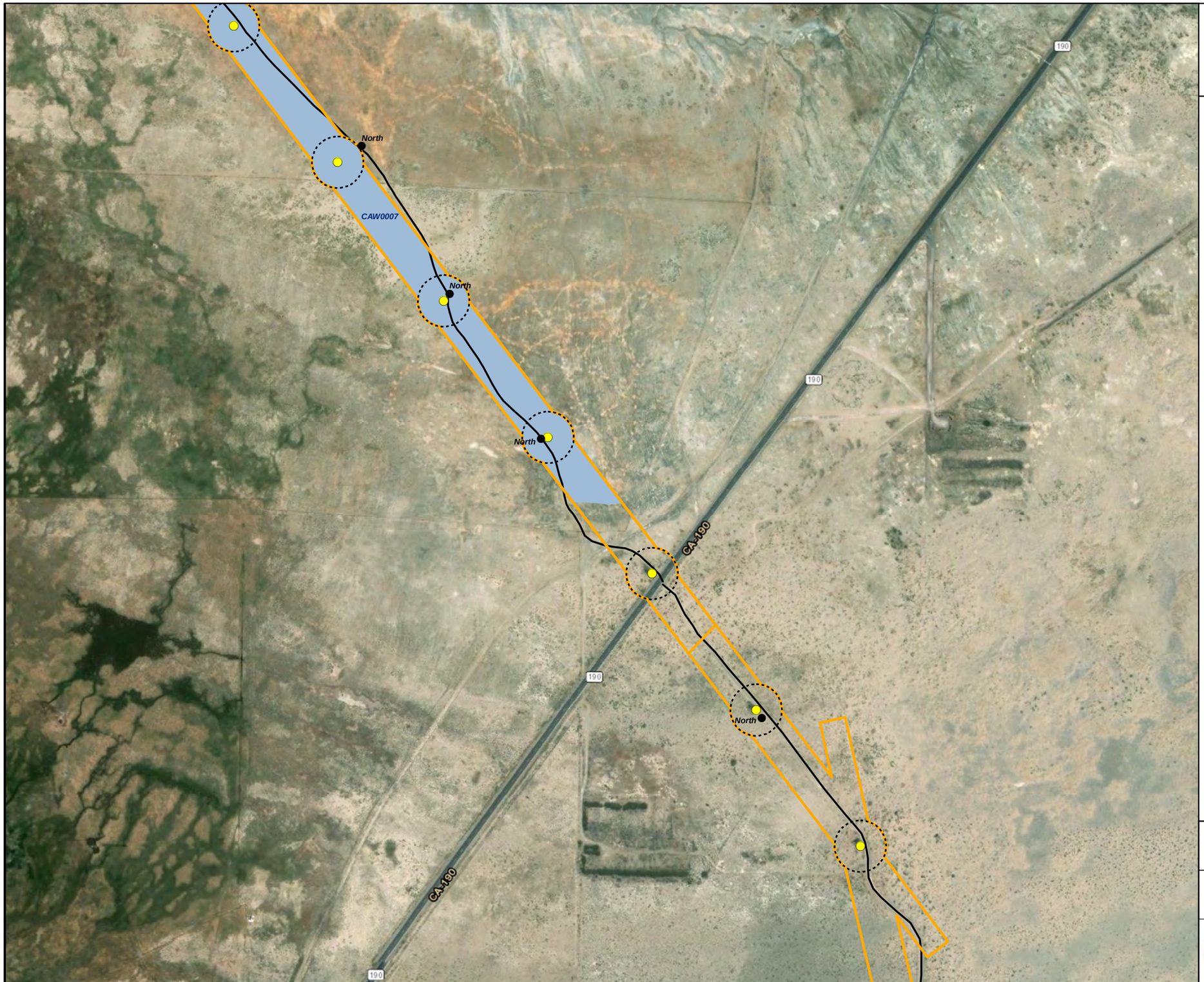

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
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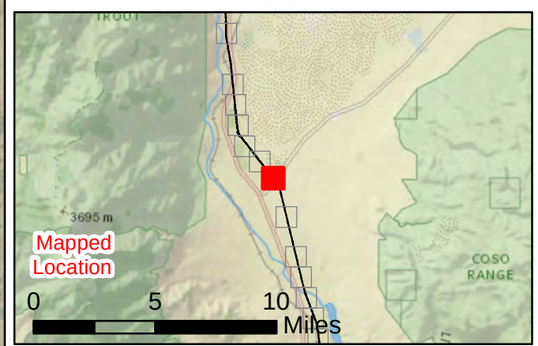
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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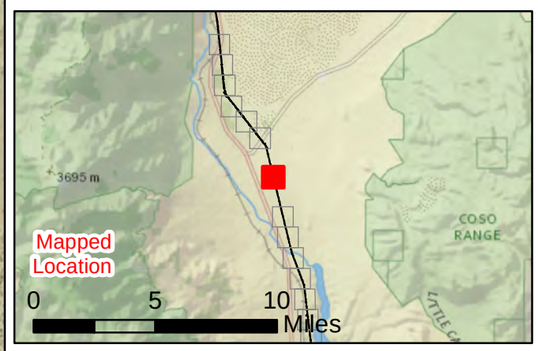
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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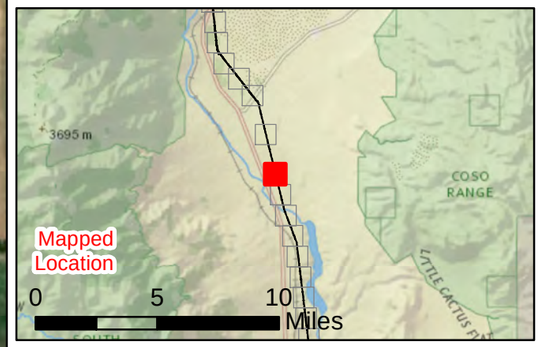
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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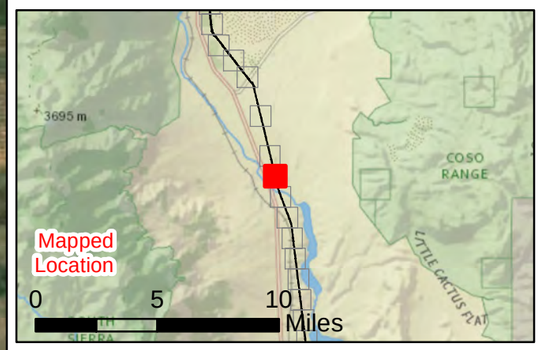
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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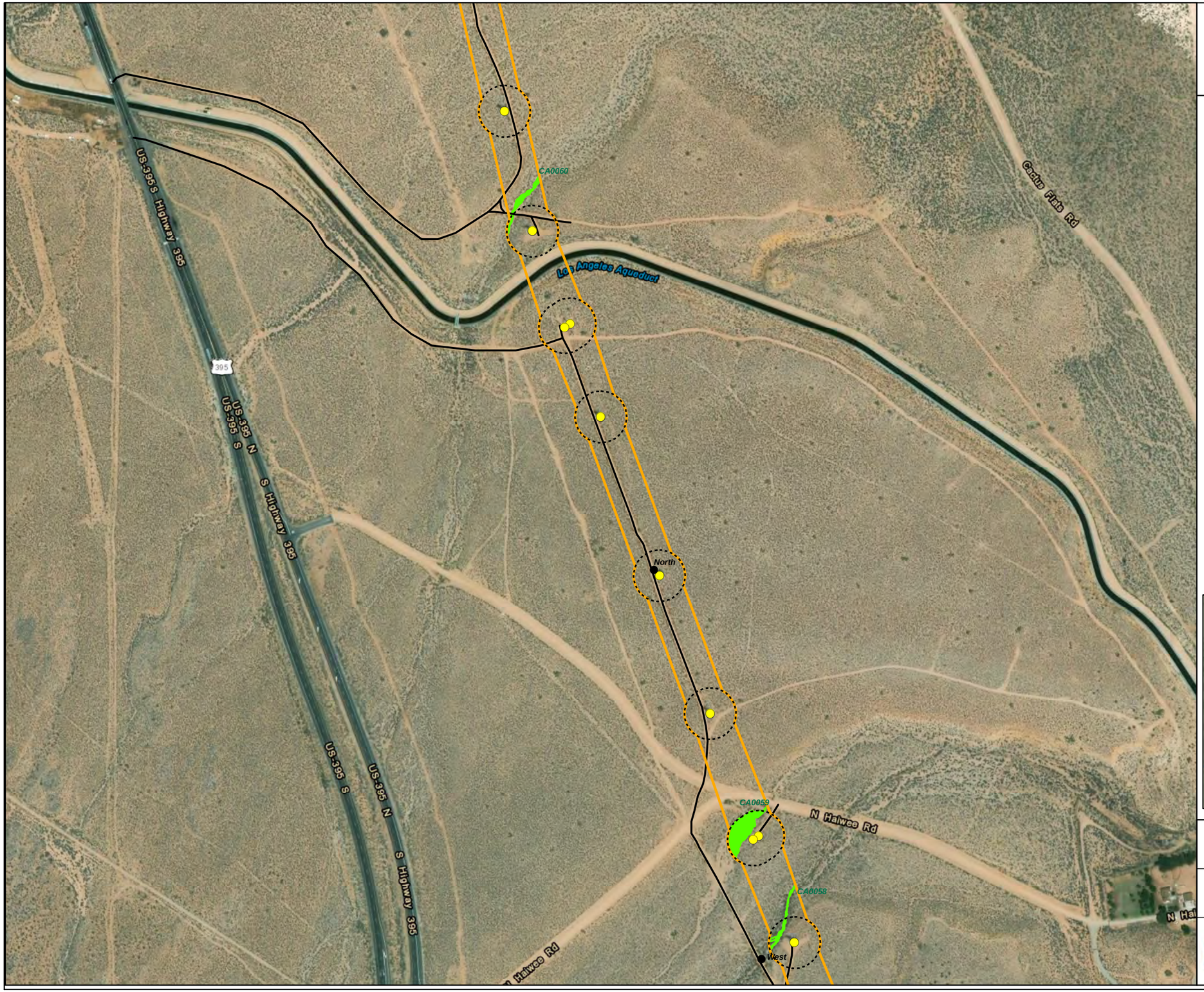

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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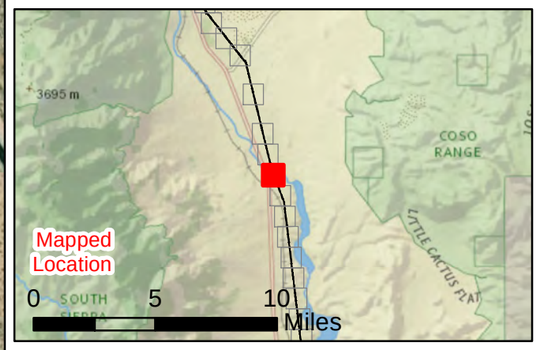
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Survey Area
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- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
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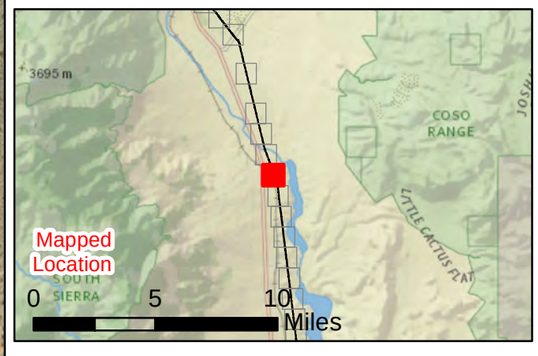
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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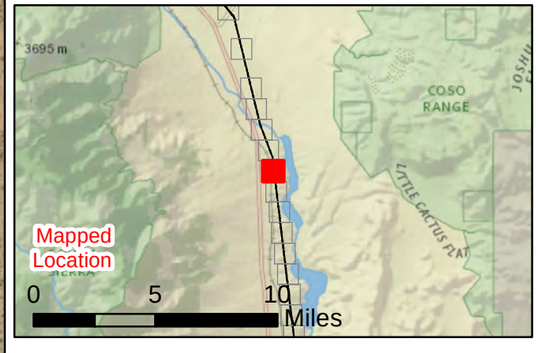

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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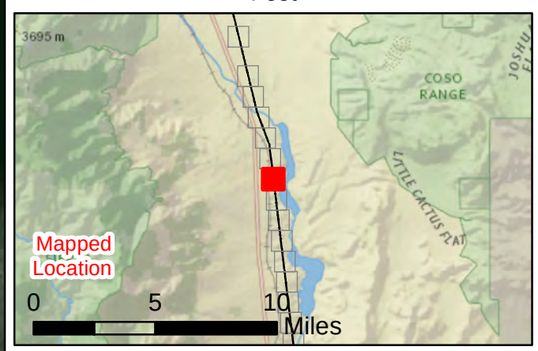
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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SOUTHERN CALIFORNIA EDISON
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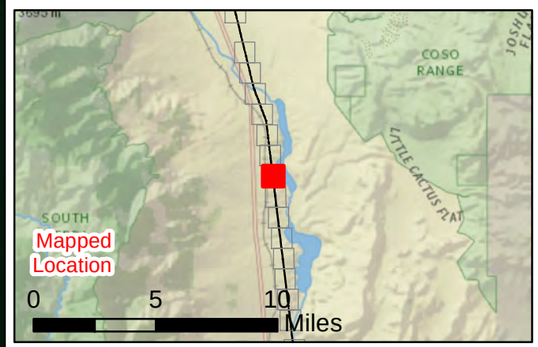

Transmission Line Rating
Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

Figure:

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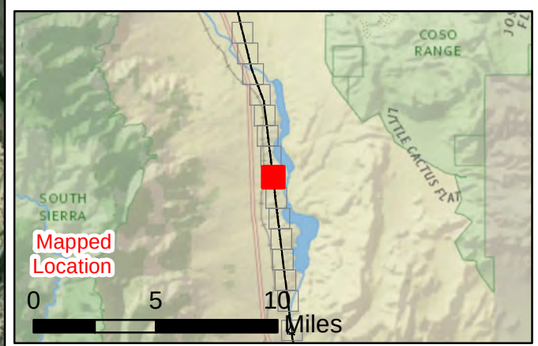
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- CDFW State Waters
- CDFW Wetland Waters
- Wetland Sample Location
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Structure Location
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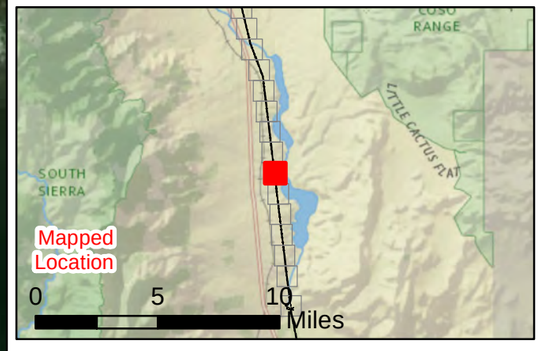
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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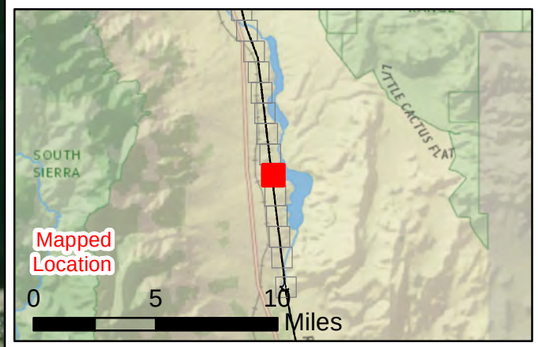
Feet



Transmission Line Rating Remediation Project

Control-Haiwee
Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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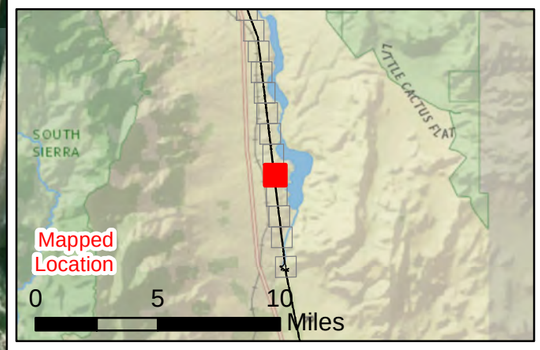

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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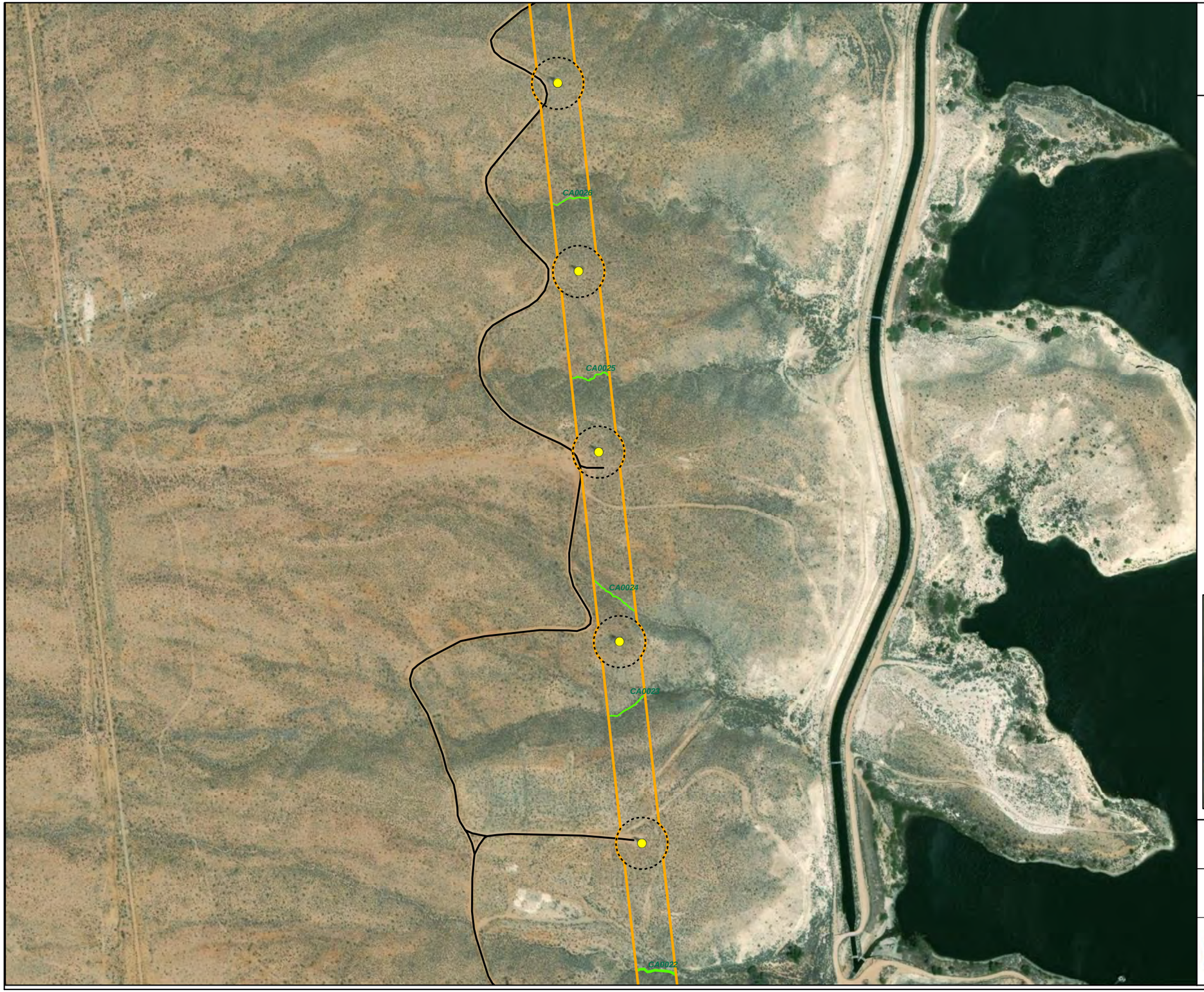

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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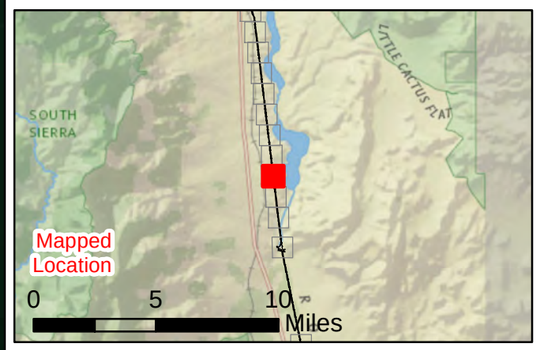

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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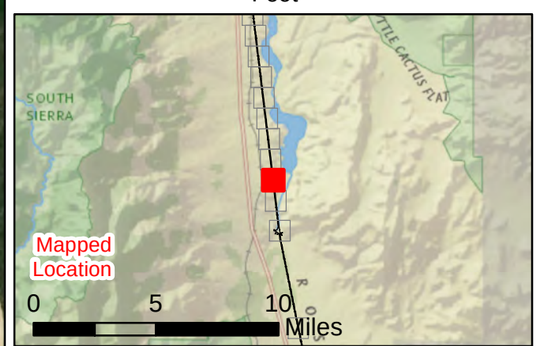

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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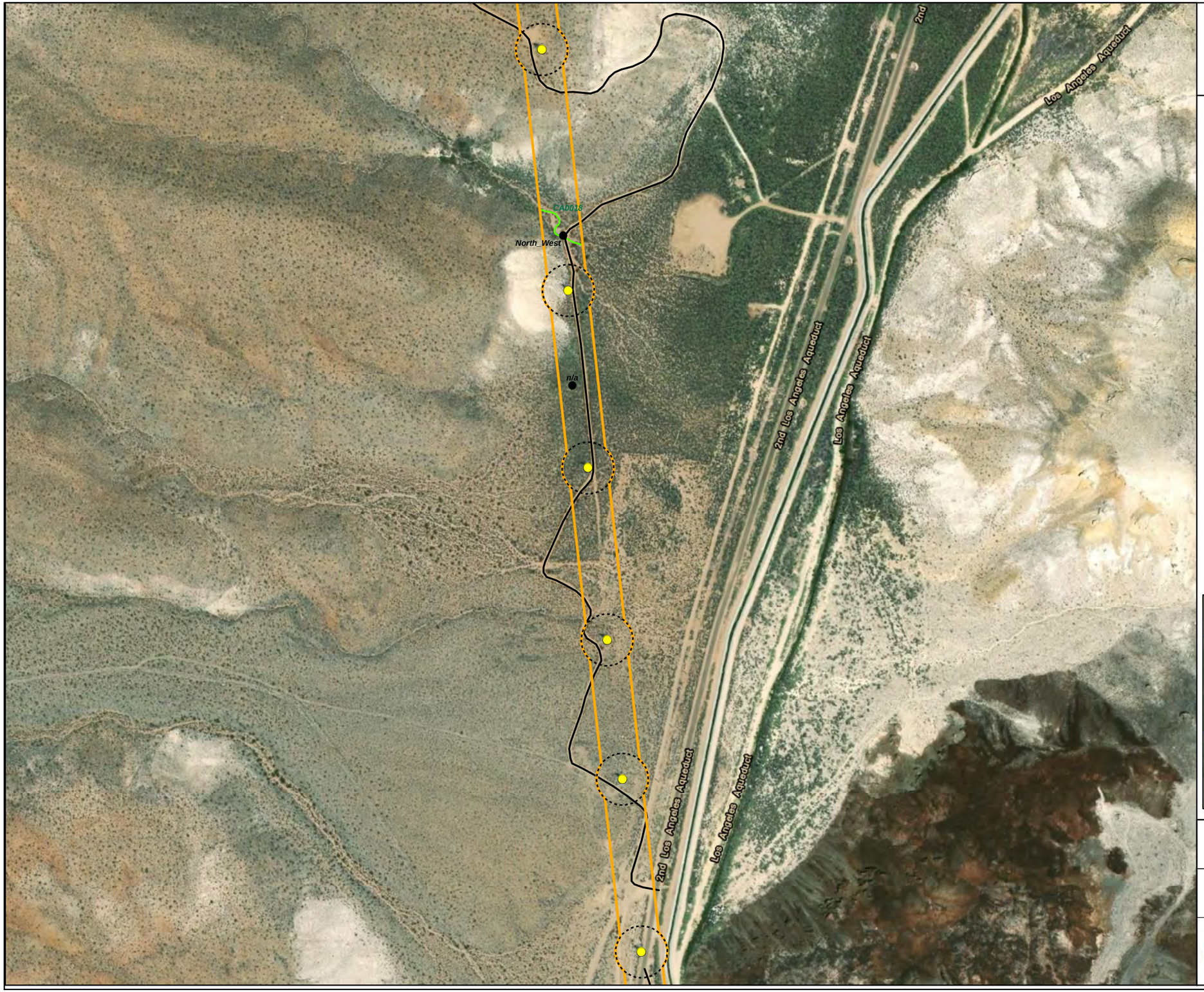
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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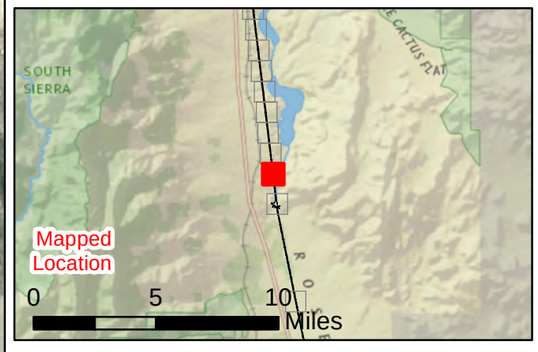

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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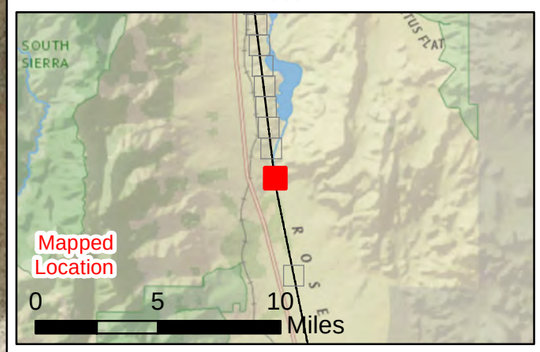

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

Figure:

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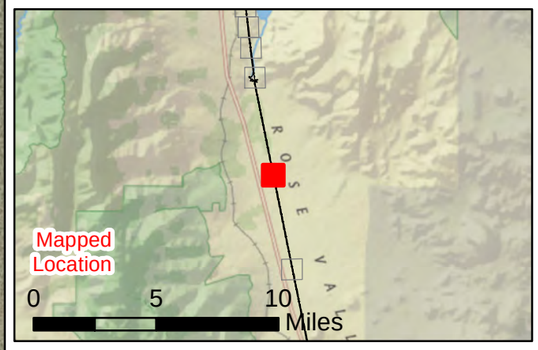

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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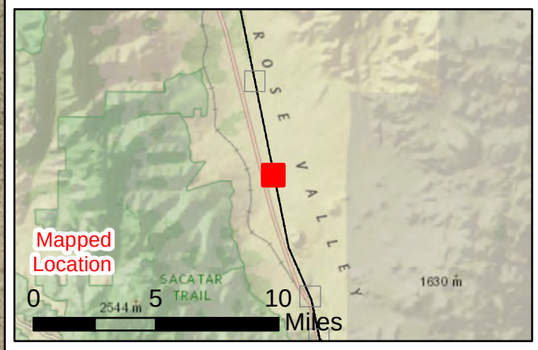

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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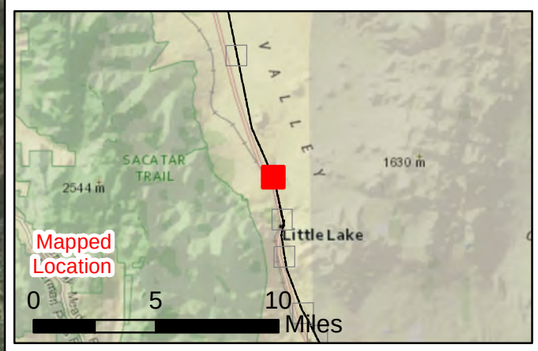

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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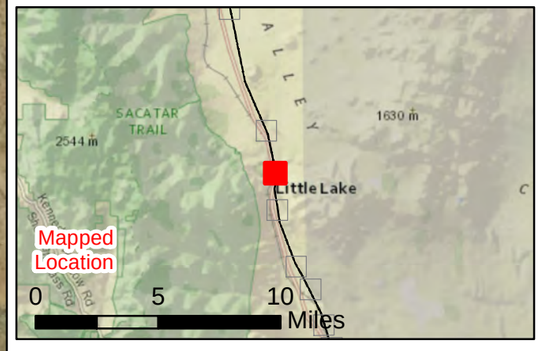

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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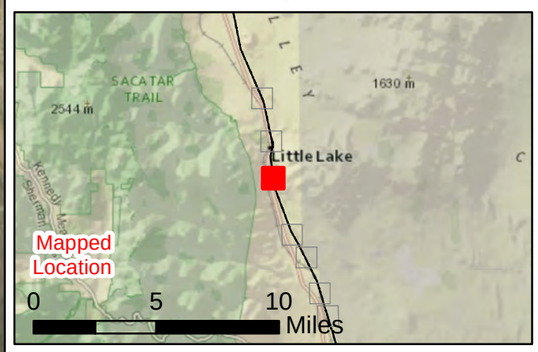

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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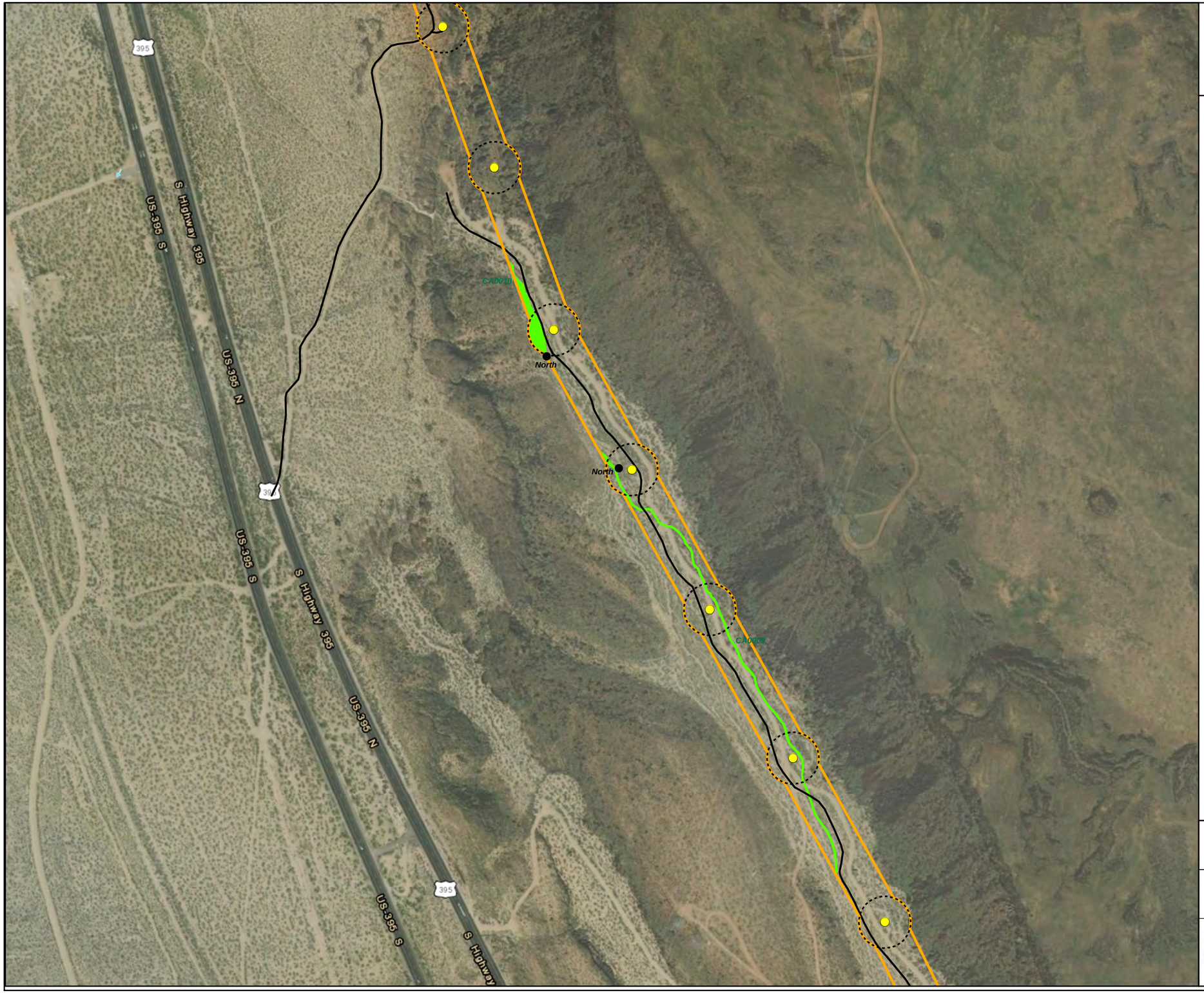
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

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- Substation Location
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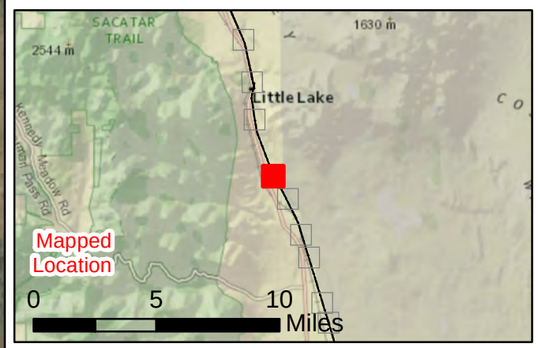
Feet



Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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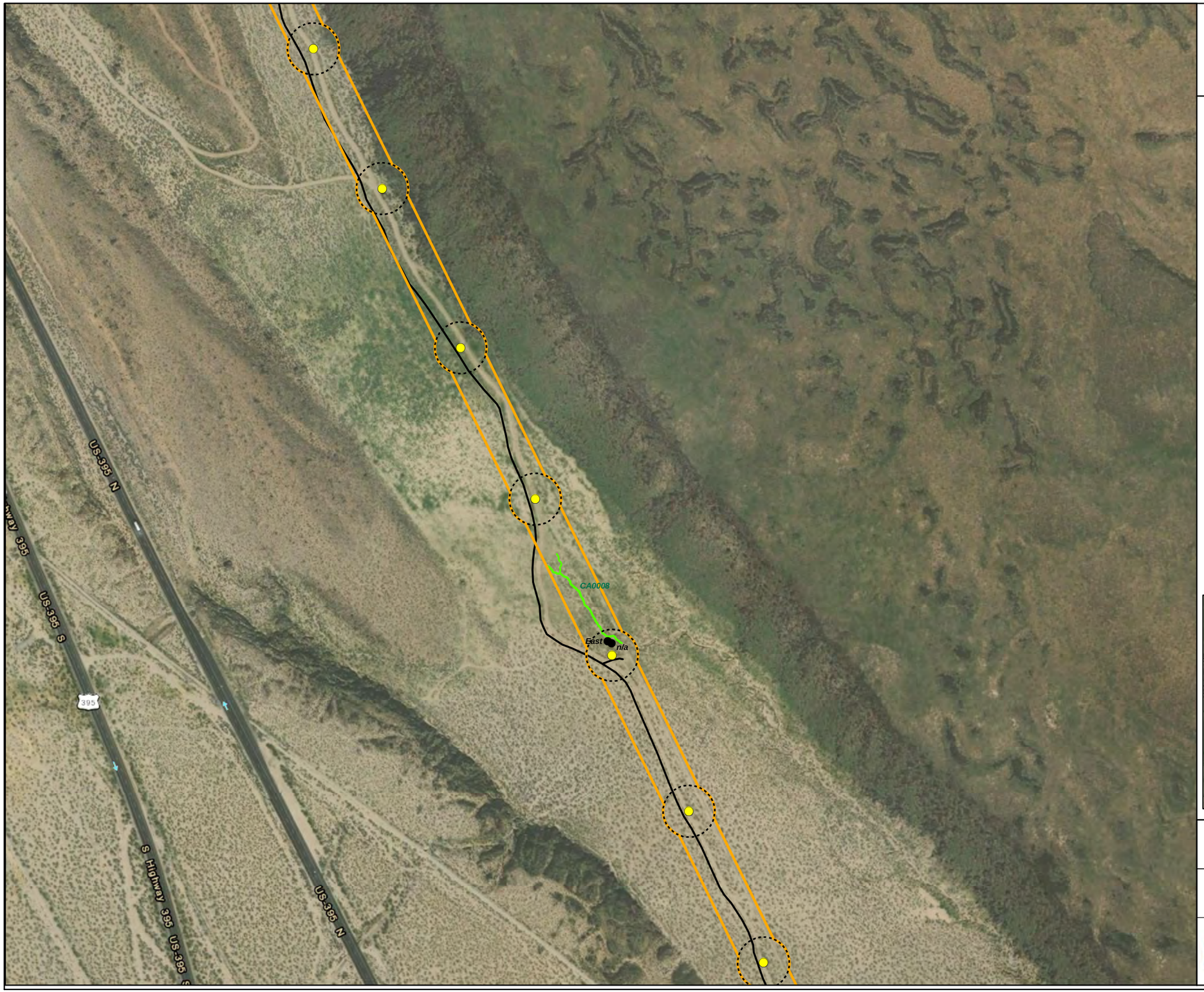

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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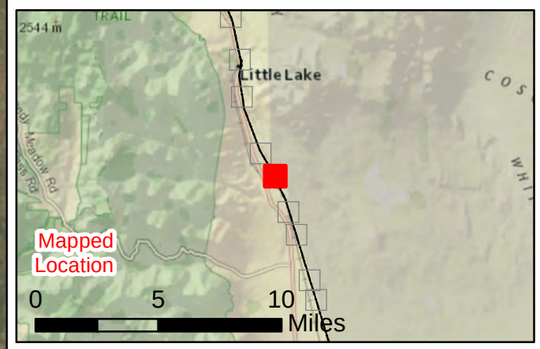

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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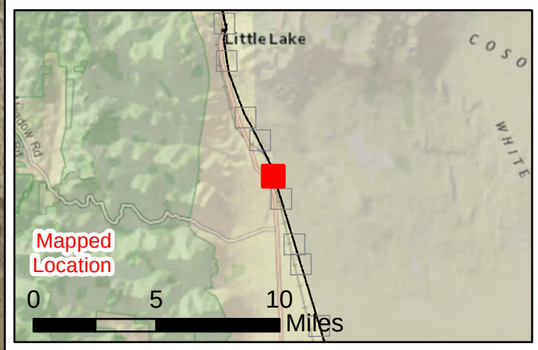

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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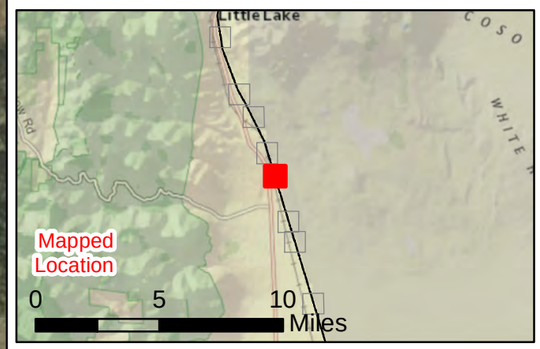

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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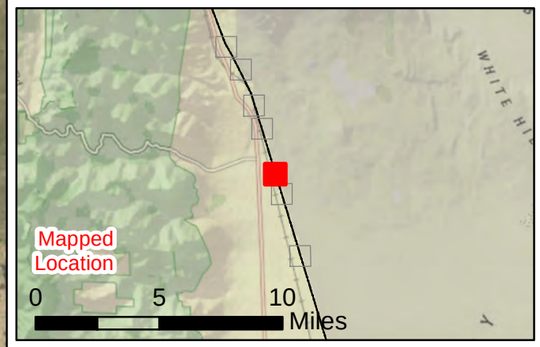

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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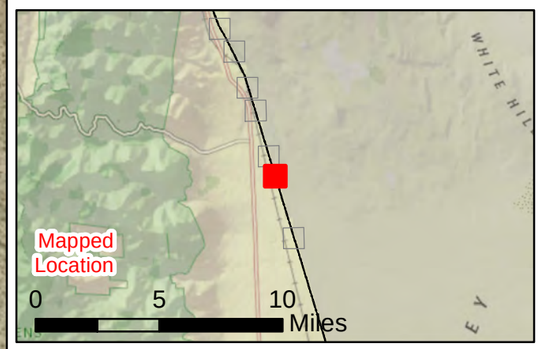

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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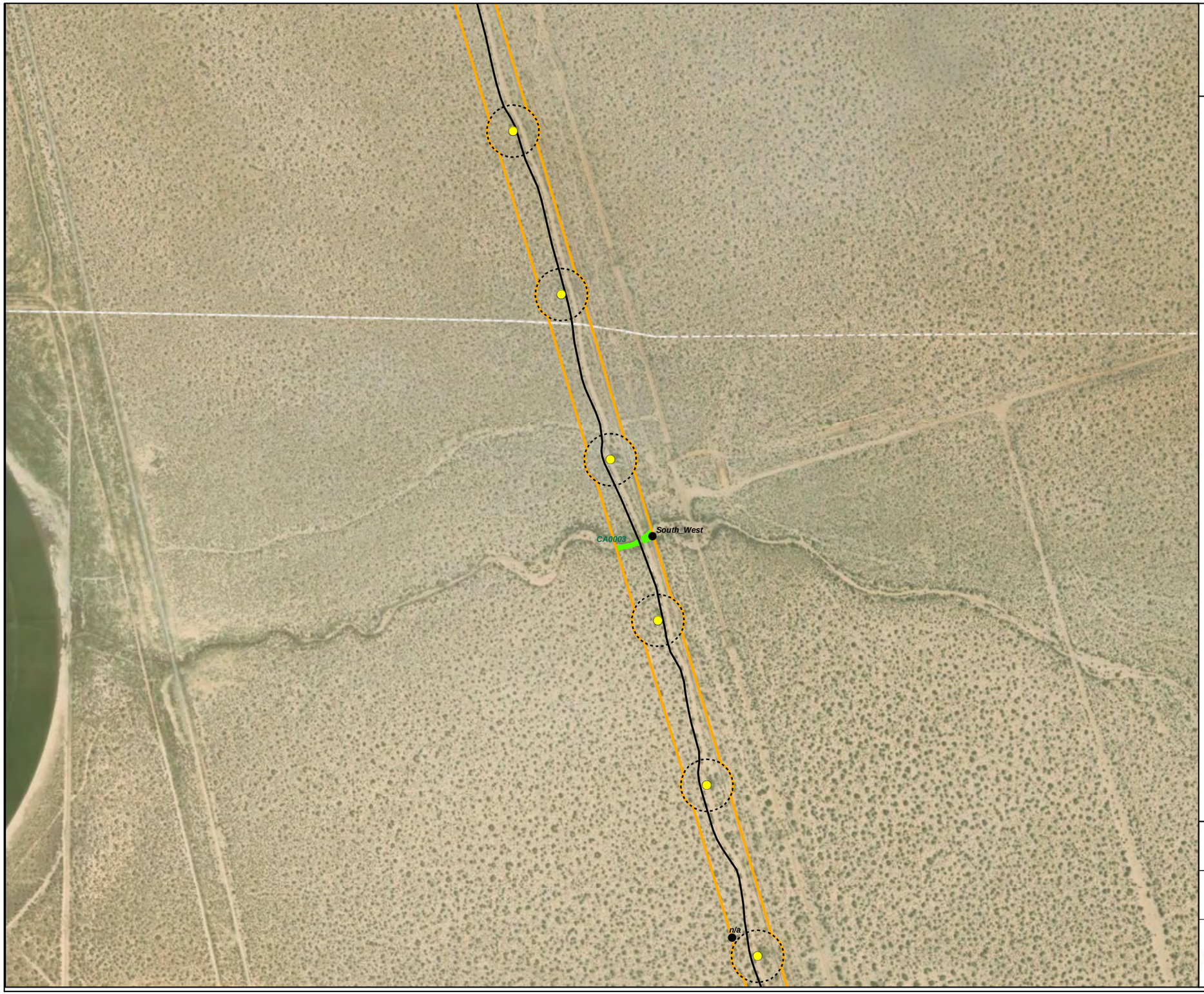

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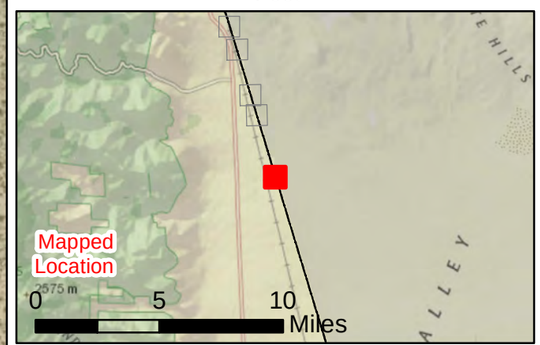

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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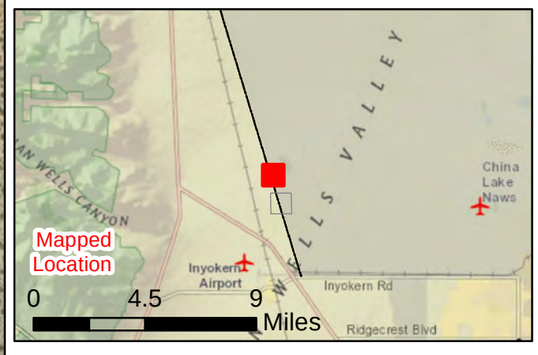

Transmission Line Rating Remediation Project

Control-Haiwee Jurisdictional Delineation

ARCADIS

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- Photo Locations

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Transmission Line Rating Remediation Project

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Figure:

108 of 108

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Coordinate System: NAD 1983 UTM Zone 11N

ATTACHMENT G

Photographic Log

Photo 1. Feature 0001, facing north east, 4/17/17

Photo 4. Feature 0004, facing northwest, 4/17/17

Photo 2. Feature 0002, facing west, 4/17/17

Photo 5. Feature 0008, facing north, 4/17/17

Photo 3. Feature 0003, facing southwest, 4/17/17

Photo 6. Feature 0009, facing north, 4/17/17

Photo 7. Feature 0010, facing north, 4/17/17

Photo 8. Feature 0011, facing north, 4/1717

Photo 9. Feature 0013, facing northeast, 4/18/17

Photo 10. Feature 0014, facing southwest, 4/18/17

Photo 11. Feature 0015, facing southwest, 4/1817

Photo 12. Feature 0016, facing north, 4/1817

Photo 13. Feature 0017, facing east, 4/1817

Photo 16. Feature 0028, facing west, 4/19/17

Photo 14. Feature 0018, facing northwest, 4/18/17

Photo 17. Feature 0029, facing east, 4/19/17

Photo 15. Features 0020 and 0021, facing north, 4/18/17

Photo 18. Feature 0030, facing west, 4/19/17

Photo 19. Feature 0032, facing east, 4/19/17

Photo 22. Feature 0046, facing west, 4/25/17

Photo 20. Feature 0033, facing northwest, 4/19/17

Photo 23. Feature 0048, facing northeast, 4/25/17

Photo 21. Feature 0038, facing west, 4/25/17

Photo 24. Feature 0055, facing east, 4/25/17

Photo 25. Feature 0058, facing east, 4/25/17

Photo 28. Feature 0064 facing west, 4/26/14

Photo 26. Feature W007, facing south, 4/26/17

Photo 29. Feature 0065, facing south, 4/26/17

Photo 27. Feature W0008, facing south, 4/26/17

Photo 30. Feature 0066, facing northwest, 4/26/17

Photo 31. Feature 0762, facing east, 4/26/17

Photo 32. Feature 0072, facing east, 4/26/17

Photo 33. Feature 0075, facing east, 4/26/17

Photo 34. Feature 0861, facing northwest, 4/26//17

Photo 35. Feature 0085, facing east, 4/26/17

Photo 36. Feature 0086, facing west, 3/26/17

Photo 37. Feature W0009, facing east, 4/26/17

Photo 40. Feature W0011, facing south, 4/27/17

Photo 38. Feature W0010, facing north, 4/26/17

Photo 41. Feature W0012, facing north, 4/27/17

Photo 39. Feature 0088, facing northeast, 4/26/17

Photo 42. Feature W0013, facing north, 4/27/17

Photo 43. Feature W0014, facing southeast, 4/27/17

Photo 46. Feature 3100, facing east, 4/27/17

Photo 44. Feature W0015, facing south, 4/27/17

Photo 47. Feature W0016, facing south, 4/27/17

Photo 45. Feature 0093, facing southwest, 4/27/17

Photo 48. Feature W0017, facing south, 4/27/17

Photo 49. Feature W0018, facing northeast, 4/27/17

Photo 52. Feature W0020, facing west, 4/27/17

Photo 50. Feature 0097, facing west, 4/27/17

Photo 53. Feature W0036, facing south, 4/27/17

Photo 51. Feature W0019, facing east, 4/27/17

Photo 54. Feature 0101, facing west, 4/27/17

Photo 55. Feature 0105, facing north, 4/27/17

Photo 58. Feature 0108, facing west, 4/27/17

Photo 56. Feature W0044, facing south, 4/27/17

Photo 59. Feature 0111, facing east, 4/28/17

Photo 57. Feature W0045, facing east, 4/27/17

Photo 60. Feature W0047, facing southeast, 4/28/17

Photo 61. Feature W0048, facing south, 4/28/17

Photo 62. Feature W0049, facing southwest, 4/28/17

Photo 63. Feature W0051, facing southwest, 4/28/17

Photo 64. Features 0114 and W0052, facing north east, 4/28/17

Photo 65. Feature W0053, facing northeast, 4/28/17

Photo 66. Feature 0116 and W0054, facing north, 4/28/17

Photo 67. Feature 0118, facing south, 5/02/17

Photo 70. Features 0136, facing northwest, 5/03/17

Photo 68. Feature 0124, facing northwest, 5/03/17

Photo 71. Feature 0147, facing west, 5/03/17

Photo 69. Feature W0051, facing northeast, 5/03/17

Photo 72. Feature W005, facing north, 5/03/17

Photo 73. Feature W0056, facing northeast, 5/03/17

Photo 76. Features 0204, facing north, 5/04/17

Photo 74. Feature 0152, facing south, 5/03/17

Photo 77. Feature 0205, facing northeast, 5/04/17

Photo 75. Feature 0176, facing east, 5/03/17

ATTACHMENT H

Jurisdictional Summary by Feature

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0001/CA0001	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	35.687417	-117.809049	0.003	144.5	0.007	294.2	74.2
US0002/CA0002	Streambed Unv	Intermittent	Other Waters	1602	Scrub-Shrub	35.70074	-117.814159	0.003	152.0	0.007	304.2	153.4
US0003/CA0003	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	35.795874	-117.849742	0.053	2,317.2	0.075	3,267.3	138.4
US0004/CA0004	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	35.825197	-117.860871	0.007	312.6	0.049	2,144.1	228.0
US0005/CA0005	Streambed Unv	Intermittent	Other Waters	1602	Scrub-Shrub	35.833439	-117.864118	0.003	149.5	0.007	300.2	74.5
US0006/CA0006	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	35.856809	-117.872796	0.006	254.2	0.008	340.5	83.6
US0007/CA0007	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	35.856962	-117.872717	0.004	178.3	0.012	539.5	178.9
US0008/CA0008	Streambed Unv	Intermittent	Other Waters	1602	Scrub-Shrub	35.883644	-117.885232	0.047	2,060.2	0.070	3,046.1	544.4
US0009/CA0009	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	35.893955	-117.89184	0.045	1,946.9	0.324	14,122.9	1950.3
US0010/CA0010	Streambed Unv	Intermittent	Other Waters	1602	Scrub-Shrub	35.897406	-117.894456	0.050	2,173.5	0.260	11,322.0	232.9
US0011/CA0011	Streambed Veg	Intermittent	Other Waters	1602	Marsh/Wetlands	35.925149	-117.904844	0.021	919.4	0.053	2,295.3	461.0
US0012/CA0012	Streambed Unv	Intermittent	Other Waters	1602	Scrub-Shrub	36.020895	-117.932981	0.004	178.0	0.008	356.1	178.3
US0013/CA0013	Streambed Unv	Ephemeral	Other Waters	1602	Riparian Scrub	36.107805	-117.954768	0.038	1,642.4	0.126	5,500.1	546.6
US0014/CA0014	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.10857	-117.955073	0.019	816.6	0.051	2,205.3	270.0
US0015/CA0015	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.109623	-117.955184	0.074	3,232.2	0.164	7,135.5	1452.3
US0016/CA0016	Streambed Veg	Ephemeral	Other Waters	1602	Riparian Scrub	36.11049	-117.955548	0.013	567.6	0.052	2,281.5	567.6
US0017/CA0017	Streambed Unv	Ephemeral	Other Waters	1602	Riparian Scrub	36.111968	-117.955144	0.015	636.2	0.032	1,396.2	45.0
US0018/CA0018	Streambed Unv	Intermittent	Other Waters	1602	Scrub-Shrub	36.126932	-117.957559	0.012	537.7	0.025	1,075.4	269.0
US0019/CA0019	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.131573	-117.958234	0.004	154.9	0.011	464.7	155.0
US0020/CA0020	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.134171	-117.958616	0.021	913.3	0.021	913.3	152.3
US0021/CA0021	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.134817	-117.958659	0.042	1,817.2	0.042	1,817.2	452.1
US0022/CA0022	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.138879	-117.959316	0.019	813.1	0.030	1,300.7	162.7
US0023/CA0023	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.141667	-117.959725	0.008	339.5	0.016	678.9	169.8
US0024/CA0024	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.142854	-117.959914	0.005	210.7	0.019	843.1	210.9
US0025/CA0025	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.145178	-117.960247	0.008	358.6	0.016	713.0	180.9
US0026/CA0026	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.147049	-117.960541	0.004	159.1	0.011	477.8	159.4
US0027/CA0027	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.149848	-117.960939	0.008	356.8	0.020	889.8	178.8
US0028/CA0028	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.150861	-117.961129	0.005	213.4	0.015	640.2	213.8
US0029/CA0029	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.157246	-117.962052	0.004	167.2	0.008	334.5	167.4
US0030/CA0030	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.161441	-117.962663	0.018	805.6	0.046	2,013.6	201.5
US0031/CA0031	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.165476	-117.96328	0.008	336.1	0.019	840.2	168.2
US0032/CA0032	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.16877	-117.963778	0.025	1,094.3	0.029	1,276.7	182.5
US0033/CA0033	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.173293	-117.964459	0.018	771.1	0.027	1,156.5	192.9
US0034/CA0034	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.176949	-117.965003	0.030	1,315.0	0.030	1,315.0	162.3
US0035/CA0035	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.181928	-117.965737	0.018	768.9	0.018	768.9	153.8
US0036/CA0036	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.186864	-117.966491	0.023	991.9	0.023	991.9	199.4
US0037/CA0037	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.189626	-117.966895	0.018	787.4	0.027	1,180.4	197.2
US0038/CA0038	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.192322	-117.967285	0.066	2,896.3	0.066	2,896.3	163.3
US0039/CA0039	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.194974	-117.967696	0.002	101.1	0.014	610.1	202.4
US0040/CA0040	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.195098	-117.967473	0.002	71.0	0.002	71.0	34.8
US0041/CA0041	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.19728	-117.968023	0.009	372.6	0.017	744.9	186.4
US0042/CA0042	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.197411	-117.968098	0.002	68.4	0.006	275.5	137.1
US0043/CA0043	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.197566	-117.968125	0.001	35.4	0.002	71.3	70.6
US0044/CA0044	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.198378	-117.968192	0.002	76.8	0.004	153.7	154.4
US0045/CA0045	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.198979	-117.968185	0.056	2,430.0	0.066	2,873.2	238.8
US0046/CA0046	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.201189	-117.968595	0.029	1,256.0	0.038	1,674.4	209.5
US0047/CA0047	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.203542	-117.968891	0.004	186.5	0.013	561.6	186.4
US0048/CA0048	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.204648	-117.969099	0.070	3,034.3	0.070	3,034.3	179.0
US0049/CA0049	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.206645	-117.969419	0.021	932.4	0.025	1,096.2	156.2
US0050/CA0050	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.207947	-117.969604	0.005	207.4	0.010	414.8	207.9
US0051/CA0051	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.208529	-117.969641	0.006	251.8	0.017	755.5	252.1
US0052/CA0052	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.211063	-117.970042	0.005	206.0	0.009	412.0	206.3

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0053/CA0053	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.214813	-117.970628	0.004	176.5	0.004	176.5	175.9
US0054/CA0054	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.215829	-117.970741	0.007	289.6	0.013	580.6	289.6
US0055/CA0055	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.216807	-117.970952	0.079	3,461.5	0.100	4,338.1	220.9
US0056/CA0056	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.217419	-117.970962	0.001	62.4	0.001	62.4	126.7
US0057/CA0057	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.224155	-117.973589	0.006	277.3	0.019	835.1	277.6
US0058/CA0058	Streambed Unv	Perennial	Other Waters	1602	Scrub-Shrub	36.227834	-117.975315	0.048	2,073.4	0.063	2,731.3	365.7
US0059/CA0059	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.228814	-117.975855	0.265	11,530.9	0.265	11,530.9	234.9
US0060/CA0060	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.23549	-117.978837	0.048	2,077.4	0.083	3,632.5	264.4
US0061/CA0061	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.239798	-117.980051	0.088	3,852.7	0.104	4,524.0	382.2
US0062/CA0062	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.251266	-117.983539	0.042	1,838.8	0.046	2,006.3	165.4
US0063/CA0063	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.25555	-117.984814	0.129	5,600.6	0.129	5,600.6	201.6
US0064/CA0064	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.30779	-118.014867	0.053	2,300.9	0.070	3,056.3	405.7
US0065/CA0065	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.308722	-118.01603	0.034	1,465.7	0.042	1,835.4	365.2
US0066/CA0066	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.309777	-118.016841	0.070	3,066.0	0.096	4,201.6	370.4
US0067/CA0067	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.310051	-118.017651	0.020	886.0	0.030	1,304.3	134.1
US0068/CA0068	Streambed Veg	Ephemeral	Other Waters	1602	Marsh/Wetlands	36.313317	-118.01863	0.031	1,347.4	0.039	1,714.1	185.3
US0069/CA0069	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.325727	-118.020314	0.027	1,182.5	0.037	1,630.6	256.3
US0070/CA0070	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.334969	-118.021476	0.012	504.3	0.023	1,008.5	168.2
US0071/CA0071	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.358936	-118.025498	0.004	160.2	0.015	640.7	160.4
US0072/CA0072	Streambed Unv	Perennial	Other Waters	1602	Scrub-Shrub	36.383923	-118.026032	0.059	2,565.3	0.159	6,917.1	259.2
US0073/CA0073	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.408263	-118.029346	0.068	2,971.8	0.093	4,052.3	171.7
US0074/CA0074	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.409655	-118.029616	0.703	30,628.5	0.787	34,299.7	160.2
US0075/CA0075	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.412194	-118.030063	0.207	9,029.7	0.573	24,938.8	174.3
US0076/CA0076	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.426777	-118.032709	0.055	2,402.7	0.065	2,811.0	199.4
US0077/CA0077	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.42897	-118.033104	0.002	90.9	0.042	1,850.5	182.6
US0078/CA0078	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.444549	-118.035959	0.002	103.2	0.005	206.9	206.8
US0079/CA0079	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.458823	-118.037095	0.002	96.2	0.004	192.7	192.9
US0080/CA0080	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.460101	-118.036907	0.001	45.8	0.002	91.9	91.6
US0081/CA0081	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.464829	-118.037159	0.001	61.5	0.003	123.7	62.3
US0082/CA0082	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.464826	-118.037047	0.003	114.5	0.005	229.6	229.8
US0083/CA0083	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.488221	-118.035493	0.008	359.8	0.042	1,837.8	179.3
US0084/CA0084	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.601255	-118.042464	0.006	266.7	0.026	1,131.0	294.4
US0085/CA0085	Streambed Veg	Ephemeral	Other Waters	1602	Riparian Forest/Woodlanc	36.610167	-118.046651	0.367	15,976.5	0.400	17,439.9	166.7
US0086/CA0086	Streambed Veg	Ephemeral	Other Waters	1602	Riparian Forest/Woodlanc	36.612041	-118.047585	0.242	10,548.9	0.242	10,548.9	150.6
US0087/CA0087	Streambed Unv	Perennial	Other Waters	1602	Riparian Scrub	36.629556	-118.067399	0.047	2,065.2	0.151	6,590.8	219.2
US0088/CA0088	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.635673	-118.076944	0.033	1,444.3	0.060	2,595.6	288.2
US0089/CA0089	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.636176	-118.077348	0.004	155.5	0.007	310.8	312.1
US0090/CA0090	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.636537	-118.07761	0.009	378.6	0.026	1,139.2	378.6
US0091/CA0091	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.643863	-118.083831	0.002	76.3	0.004	152.9	153.0
US0092/CA0092	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.649162	-118.087981	0.033	1,418.4	0.041	1,765.9	166.8
US0093/CA0093	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.674225	-118.096549	0.014	597.0	0.028	1,230.0	168.7
US0094/CA0094	Streambed Veg	Perennial	Other Waters	1602	Grass/Herbs	36.677118	-118.099089	0.018	766.8	0.030	1,318.7	181.8
US0095/CA0095	Streambed Veg	Perennial	Other Waters	1602	Grass/Herbs	36.677937	-118.099729	0.028	1,213.0	0.047	2,066.8	212.6
US0096/CA0096	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.682292	-118.102574	0.623	27,144.0	0.674	29,364.1	1081.3
US0097/CA0097	Streambed Unv	Perennial	Other Waters	1602	Scrub-Shrub	36.695123	-118.109667	0.007	287.6	0.060	2,630.2	225.3
US0098/CA0098	Streambed Veg	Perennial	Other Waters	1602	Riparian Scrub	36.698203	-118.111471	0.004	172.2	0.008	344.4	175.0
US0099/CA0099	Streambed Veg	Perennial	Other Waters	1602	Grass/Herbs	36.705192	-118.115349	0.088	3,822.7	0.088	3,822.7	176.8
US0100/CA0100	Streambed Veg	Perennial	Other Waters	1602	Grass/Herbs	36.706506	-118.1161	0.224	9,756.7	0.224	9,756.7	155.8
US0101/CA0101	Streambed Veg	Perennial	Other Waters	1602	Riparian Forest/Woodlanc	36.738329	-118.132289	0.425	18,503.7	0.425	18,503.7	136.0
US0102/CA0102	Streambed Veg	Ephemeral	Other Waters	1602	Riparian Scrub	36.741613	-118.133535	0.132	5,734.3	0.188	8,182.6	194.4
US0103/CA0103	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.746397	-118.135306	0.003	116.0	0.005	232.3	232.7
US0104/CA0104	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.754234	-118.137744	0.077	3,352.9	0.088	3,850.3	259.4

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US0105/CA0105	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.757638	-118.138774	0.110	4,782.8	0.244	10,611.1	467.7
US0106/CA0106	Streambed Unv	Perennial	Other Waters	1602	Marsh/Wetlands	36.7697	-118.142555	0.121	5,273.3	0.201	8,758.7	350.8
US0107/CA0107	Streambed Unv	Perennial	Other Waters	1602	Scrub-Shrub	36.797331	-118.151144	0.007	316.2	0.022	948.5	158.2
US0108/CA0108	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.820785	-118.15838	0.020	866.8	0.065	2,832.2	291.6
US0109/CA0109	Streambed Unv	Perennial	Other Waters	1602	Riparian Scrub	36.825537	-118.159888	0.027	1,184.6	0.181	7,890.6	395.0
US0110/CA0110	Streambed Unv	Perennial	Other Waters	1602	Scrub-Shrub	36.831653	-118.161864	0.010	439.3	0.020	878.8	219.8
US0111/CA0111	Other	Perennial	Other Waters	1602	Scrub-Shrub	36.872137	-118.174399	1.550	67,529.5	1.762	76,762.3	655.0
US0112/CA0112	Streambed Unv	Perennial	Other Waters	1602	Marsh/Wetlands	36.878618	-118.176491	0.041	1,785.4	0.061	2,678.0	178.6
US0113/CA0113	Streambed Veg	Ephemeral	Other Waters	1602	Marsh/Wetlands	36.924175	-118.19075	0.088	3,842.3	0.117	5,113.2	241.2
US0114/CA0114	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.969207	-118.204818	0.572	24,925.1	0.742	32,304.4	713.2
US0115/CA0115	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.9715	-118.20555	0.221	9,635.3	0.265	11,563.1	180.9
US0116/CA0116	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.999628	-118.217064	0.179	7,780.7	0.245	10,689.2	273.0
US0117/CA0117	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.016775	-118.221265	0.015	632.9	0.043	1,882.5	162.3
US0118/CA0118	Streambed Veg	Perennial	Other Waters	1602	Riparian Scrub	37.023141	-118.223804	0.134	5,842.3	0.198	8,603.3	188.8
US0119/CA0119	Streambed Veg	Perennial	Other Waters	1602	Riparian Scrub	37.028133	-118.225459	0.253	11,035.2	0.604	26,309.5	263.2
US0120/CA0120	Streambed Veg	Perennial	Other Waters	1602	Riparian Scrub	37.030985	-118.22621	0.025	1,074.7	0.121	5,274.7	42.4
US0121/CA0121	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.031914	-118.226821	0.015	640.1	0.039	1,720.3	313.3
US0122/CA0122	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.061852	-118.241631	0.001	46.8	0.002	94.2	93.6
US0123/CA0123	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.06698	-118.24705	0.001	37.6	0.002	74.2	74.0
US0124/CA0124	Streambed Veg	Perennial	Other Waters	1602	Scrub-Shrub	37.070633	-118.251426	0.040	1,737.1	0.160	6,984.1	353.4
US0125/CA0125	Streambed Unv	Perennial	Other Waters	1602	Riparian Scrub	37.076793	-118.25742	0.045	1,966.7	0.704	30,670.9	328.2
US0126/CA0126	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.077874	-118.25773	0.184	8,025.5	0.225	9,798.8	468.4
US0127/CA0127	Streambed Unv	Ephemeral	Other Waters	1602	Grass/Herbs	37.124222	-118.275871	0.001	52.5	0.001	52.5	105.2
US0128/CA0128	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.14555	-118.290172	0.094	4,094.1	0.126	5,488.0	372.8
US0129/CA0129	Streambed Unv	Perennial	Other Waters	1602	Scrub-Shrub	37.147674	-118.29157	0.002	102.3	0.019	825.5	204.9
US0130/CA0130	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.148023	-118.291906	0.002	69.4	0.002	69.4	139.0
US0131/CA0131	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.148192	-118.291976	0.002	82.1	0.004	164.8	164.3
US0132/CA0132	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.150186	-118.293284	0.011	492.3	0.019	823.9	163.1
US0133/CA0133	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.151706	-118.294251	0.002	70.6	0.002	70.6	141.5
US0134/CA0134	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.151988	-118.294435	0.002	80.3	0.011	485.9	160.9
US0135/CA0135	Ditch/Canal	Perennial	Other Waters	1602	Scrub-Shrub	37.154288	-118.295927	0.049	2,136.0	0.081	3,528.8	707.7
US0136/CA0136	Ditch/Canal	Ephemeral	Other Waters	1602	Scrub-Shrub	37.154981	-118.29646	0.079	3,427.7	0.184	8,025.3	249.6
US0137/CA0137	Streambed Veg	Ephemeral	Other Waters	1602	Riparian Forest/Woodlanc	37.155325	-118.296745	0.025	1,092.6	0.217	9,454.7	213.1
US0138/CA0138	Ditch/Canal	Perennial	Other Waters	1602	Riparian Scrub	37.156235	-118.297659	0.004	185.9	0.007	307.1	60.9
US0139/CA0139	Streambed Veg	Perennial	Other Waters	1602	Riparian Scrub	37.157131	-118.297868	0.048	2,079.9	0.376	16,366.1	246.6
US0140/CA0140	Streambed Veg	Perennial	Other Waters	1602	Riparian Forest/Woodlanc	37.159406	-118.299535	0.023	990.3	0.425	18,491.4	59.6
US0141/CA0141	Streambed Veg	Perennial	Other Waters	1602	Riparian Scrub	37.160295	-118.300014	0.082	3,589.6	0.261	11,355.5	242.8
US0142/CA0142	Streambed Veg	Perennial	Other Waters	1602	Riparian Scrub	37.161283	-118.300631	0.074	3,241.6	0.372	16,189.9	164.8
US0143/CA0143	Streambed Veg	Perennial	Other Waters	1602	Riparian Forest/Woodlanc	37.169537	-118.306198	0.034	1,466.1	0.360	15,682.8	189.4
US0144/CA0144	Streambed Unv	Perennial	Other Waters	1602	Riparian Forest/Woodlanc	37.16993	-118.306474	0.008	347.5	0.407	17,741.9	173.8
US0145/CA0145	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.171806	-118.307823	0.019	845.6	0.245	10,668.6	114.0
US0146/CA0146	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.171884	-118.307511	0.008	348.6	0.187	8,138.7	43.8
US0147/CA0147	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.17243	-118.308064	0.026	1,126.6	0.264	11,478.2	338.2
US0148/CA0148	Streambed Veg	Intermittent	Other Waters	1602	Riparian Scrub	37.185322	-118.316619	0.027	1,170.8	0.044	1,934.2	387.5
US0149/CA0149	Streambed Unv	Perennial	Other Waters	1602	Riparian Scrub	37.188988	-118.319148	0.263	11,457.7	0.395	17,185.8	1146.1
US0150/CA0150	Streambed Veg	Perennial	Other Waters	1602	Riparian Forest/Woodlanc	37.229502	-118.346196	0.068	2,973.9	0.092	3,987.9	197.7
US0151/CA0151	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.235818	-118.350285	0.001	45.6	0.002	91.7	91.1
US0152/CA0152	Streambed Unv	Perennial	Other Waters	1602	Scrub-Shrub	37.237789	-118.351783	0.012	512.9	0.035	1,541.9	513.1
US0153/CA0153	Ditch/Canal	Perennial	Other Waters	1602	Scrub-Shrub	37.240662	-118.353598	0.084	3,679.3	0.121	5,261.2	524.0
US0154/CA0154	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.242209	-118.354605	0.003	124.0	0.006	249.6	123.4
US0155/CA0155	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.2512	-118.360757	0.001	40.0	0.002	80.5	80.1
US0156/CA0156	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.251793	-118.36113	0.004	178.9	0.012	539.2	178.7

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US0157/CA0157	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.261625	-118.367921	0.002	103.8	0.005	208.4	208.3
US0158/CA0158	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.26927	-118.372669	0.002	107.4	0.007	325.3	107.1
US0159/CA0159	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.269693	-118.373009	0.012	535.7	0.029	1,257.8	177.7
US0160/CA0160	Streambed Veg	Perennial	Other Waters	1602	Scrub-Shrub	37.270409	-118.373465	0.017	746.2	0.035	1,504.3	184.1
US0161/CA0161	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.275052	-118.37654	0.007	294.9	0.033	1,455.3	171.3
US0162/CA0162	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.276923	-118.377896	0.006	248.3	0.017	747.7	248.2
US0163/CA0163	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.277992	-118.378537	0.002	108.9	0.015	657.9	218.0
US0164/CA0164	Streambed Veg	Perennial	Other Waters	1602	Scrub-Shrub	37.279604	-118.379372	0.038	1,638.8	0.350	15,233.7	550.0
US0165/CA0165	Ditch/Canal	Ephemeral	Other Waters	1602	Scrub-Shrub	37.279968	-118.379717	0.003	118.7	0.017	720.0	237.9
US0166/CA0166	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.282285	-118.381224	0.081	3,517.3	0.302	13,141.7	842.8
US0167/CA0167	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.283703	-118.382349	0.009	383.9	0.035	1,541.0	384.1
US0168/CA0168	Streambed Veg	Perennial	Other Waters	1602	Riparian Scrub	37.285191	-118.383282	0.017	749.2	0.114	4,961.9	203.2
US0169/CA0169	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.287173	-118.384679	0.009	390.0	0.013	585.1	195.1
US0170/CA0170	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.290014	-118.386579	0.008	337.5	0.015	674.7	168.8
US0171/CA0171	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.292017	-118.387922	0.004	165.5	0.011	499.2	165.3
US0172/CA0172	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.292697	-118.388466	0.007	298.6	0.021	900.4	298.4
US0173/CA0173	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.303027	-118.395251	0.002	73.7	0.003	147.9	147.8
US0174/CA0174	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.304613	-118.396331	0.036	1,578.2	0.036	1,578.2	157.9
US0175/CA0175	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.306538	-118.397655	0.004	194.6	0.013	585.3	194.7
US0176/CA0176	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.307163	-118.398085	0.091	3,951.6	0.091	3,951.6	161.2
US0177/CA0177	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.307837	-118.398595	0.001	60.8	0.001	60.8	122.4
US0178/CA0178	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.308037	-118.39857	0.004	170.6	0.008	342.2	343.4
US0179/CA0179	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.308962	-118.399251	0.011	479.3	0.018	798.6	159.9
US0180/CA0180	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.311975	-118.401236	0.002	74.5	0.002	74.5	150.2
US0181/CA0181	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.312203	-118.401442	0.005	213.8	0.025	1,076.8	213.5
US0182/CA0182	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.312931	-118.401915	0.007	313.8	0.011	470.7	156.9
US0183/CA0183	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.317168	-118.410144	0.003	143.6	0.003	143.6	288.0
US0184/CA0184	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.317343	-118.410739	0.013	563.7	0.058	2,517.5	164.5
US0185/CA0185	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.318222	-118.413261	0.002	82.5	0.002	82.5	165.4
US0186/CA0186	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.318531	-118.414019	0.002	84.6	0.004	169.6	169.9
US0187/CA0187	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.31873	-118.414598	0.005	205.5	0.009	411.9	205.4
US0188/CA0188	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.319126	-118.415518	0.017	747.6	0.029	1,246.4	248.3
US0189/CA0189	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.319271	-118.416266	0.038	1,674.9	0.038	1,674.9	264.8
US0190/CA0190	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.319156	-118.416188	0.005	213.6	0.005	213.6	75.7
US0191/CA0191	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.320194	-118.418833	0.069	3,010.3	0.069	3,010.3	176.3
US0192/CA0192	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.320527	-118.420106	0.040	1,744.2	0.051	2,206.3	230.6
US0193/CA0193	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.321714	-118.425081	0.004	161.3	0.011	486.3	161.2
US0194/CA0194	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.324591	-118.435932	0.007	292.2	0.020	876.2	292.6
US0195/CA0195	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.324734	-118.436715	0.103	4,507.2	0.103	4,507.2	166.1
US0196/CA0196	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.325551	-118.440019	0.004	159.6	0.022	958.6	159.8
US0197/CA0197	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.326453	-118.443482	0.004	168.1	0.004	168.1	167.9
US0198/CA0198	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.326842	-118.445056	0.002	84.3	0.002	84.3	169.2
US0199/CA0199	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.326908	-118.445315	0.012	503.7	0.012	503.7	166.8
US0200/CA0200	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.327324	-118.44703	0.045	1,972.0	0.045	1,972.0	158.9
US0201/CA0201	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.327731	-118.448394	0.002	70.0	0.002	70.0	140.4
US0202/CA0202	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.328016	-118.449669	0.008	364.3	0.008	364.3	186.0
US0203/CA0203	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.32877	-118.452397	0.081	3,533.9	0.081	3,533.9	307.9
US0204/CA0204	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.332944	-118.469107	0.064	2,795.3	0.071	3,103.0	139.3
US0205/CA0205	Streambed Unv	Perennial	Other Waters	1602	Riparian Scrub	37.335335	-118.478559	0.173	7,529.5	1.488	64,806.1	168.7
US0206/CA0206	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	35.866205	-117.876221	0.017	721.6	0.025	1,082.2	275.1
US0207/CA0207	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	35.869318	-117.877369	0.005	217.5	0.010	434.9	165.8
US0208/CA0208	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.06319	-117.943618	0.884	38,503.2	2.026	88,270.1	360.7

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US0209/CA0209	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.46873	-118.03675	0.047	2,040.3	1.204	52,426.6	155.5
US0210/CA0210	Streambed Unv	Ephemeral	Other Waters	1602	Grass/Herbs	36.49529	-118.034738	0.984	42,863.1	1.020	44,447.6	203.5
US0211/CA0211	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.513897	-118.032869	0.774	33,730.1	0.798	34,777.1	151.7
US0212/CA0212	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.57345	-118.038115	0.141	6,151.0	1.008	43,894.2	935.7
US0213/CA0213	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.602257	-118.042847	0.031	1,357.2	0.062	2,710.7	207.1
US0214/CA0214	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.603591	-118.043491	0.024	1,037.4	0.048	2,073.6	158.2
US0215/CA0215	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.61405	-118.048611	0.139	6,055.9	0.244	10,620.2	177.8
US0216/CA0216	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.615037	-118.048918	0.064	2,774.6	0.108	4,706.1	158.5
US0217/CA0217	Streambed Unv	Ephemeral	Other Waters	1602	Grass/Herbs	36.685671	-118.104374	0.032	1,377.9	0.063	2,753.8	210.1
US0218/CA0218	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.691683	-118.107783	0.012	505.0	0.035	1,514.8	153.6
US0219/CA0219	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.827273	-118.160425	0.107	4,652.5	0.321	13,975.7	169.8
US0220/CA0220	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.982075	-118.209697	0.111	4,813.4	0.221	9,621.2	734.2
US0221/CA0221	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.983342	-118.21016	0.074	3,231.5	0.148	6,457.2	492.9
US0222/CA0222	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	36.98513	-118.21093	0.141	6,134.3	0.281	12,257.0	935.7
US0223/CA0223	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.168925	-118.305729	0.012	535.6	0.020	866.1	220.0
US0224/CA0224	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.304353	-118.396166	0.026	1,151.2	0.040	1,726.7	175.5
US0225/CA0225	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.333985	-118.473419	0.047	2,036.6	0.093	4,070.6	310.6
US0226/CA0226	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.164616	-118.302892	0.005	198.2	0.009	396.7	151.0
US0227/CA0227	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.16494	-118.303098	0.005	208.9	0.010	417.7	159.2
US0228/CA0228	Streambed Unv	Intermittent	Other Waters	1602	Scrub-Shrub	35.960229	-117.910996	0.042	1,829.2	0.047	2,030.0	154.3
US0229/CA0229	Streambed Unv	Intermittent	Other Waters	1602	Scrub-Shrub	35.960894	-117.911373	0.039	1,687.3	0.043	1,885.1	150.3
US0231/CA0230	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.723686	-118.125754	0.012	542.2	0.025	1,085.7	165.1
US0232/CA0232	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.724461	-118.12621	0.011	497.6	0.023	995.2	151.7
US0233/CA0233	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.724899	-118.126459	0.012	521.2	0.024	1,042.4	158.9
US0234/CA0234	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.726759	-118.127456	0.015	648.9	0.030	1,297.1	197.9
US0235/CA0235	Streambed Veg	Perennial	Other Waters	1602	Scrub-Shrub	36.729266	-118.128532	0.012	510.7	0.035	1,531.9	155.7
US0236/CA0236	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.731521	-118.129391	0.008	343.8	0.016	687.4	262.0
US0237/CA0237	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.733199	-118.130108	0.005	215.0	0.010	429.8	163.9
US0238/CA0238	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.734007	-118.130451	0.005	201.2	0.009	403.8	152.8
US0239/CA0239	Streambed Unv	Ephemeral	Other Waters	1602	Scrub-Shrub	37.298874	-118.392504	0.003	113.5	0.005	226.9	172.9
US0240/CA0240	Lake/Reservoir	Perennial	Other Waters	1602	TBD	35.942869	-117.906072	3.415	148,772.2	3.415	148,772.2	1076.0
US0241/CA0241	Streambed Veg	Perennial	Other Waters	1602	Marsh/Wetlands	36.659585	-118.091728	0.007	298.8	0.024	1,045.4	227.7
USW0008	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.313791	-118.017772	29.085	1,266,924.7	--	--	--
USW0019	Wetland	Emergent	Wetlands	n/a	Scrub-Shrub	36.698199	-118.111451	0.192	8,376.8	--	--	--
USW0013	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.665762	-118.093243	1.714	74,642.3	--	--	--
USW0015	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.671381	-118.094579	0.301	13,094.1	--	--	--
USW0017	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.684483	-118.103735	1.018	44,328.0	--	--	--
USW0045	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.795132	-118.15051	0.419	18,266.8	--	--	--
USW0051	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.920215	-118.189651	0.082	3,578.8	--	--	--
USW0052	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.970275	-118.205174	4.553	198,346.7	--	--	--
USW0010	Wetland	Emergent	Wetlands	n/a	Riparian Forest/Woodlanc	36.630003	-118.068336	2.571	111,973.7	--	--	--
USW0022	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.712971	-118.12	0.013	558.4	--	--	--
USW0021	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.713002	-118.119713	0.100	4,335.0	--	--	--
USW0024	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.723669	-118.125843	0.166	7,211.8	--	--	--
USW0023	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.7238	-118.125555	0.009	374.0	--	--	--
USW0026	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.724468	-118.126287	0.115	4,988.4	--	--	--
USW0025	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.724523	-118.126008	0.018	791.5	--	--	--
USW0029	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.72489	-118.126582	0.100	4,376.1	--	--	--
USW0028	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.724939	-118.126297	0.018	779.8	--	--	--
USW0027	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.724879	-118.126205	0.007	295.9	--	--	--
USW0033	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.731545	-118.129446	0.131	5,695.3	--	--	--
USW0032	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.731467	-118.12908	0.022	941.1	--	--	--

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
USW0031	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.729273	-118.128545	0.566	24,661.1	--	--	--
USW0035	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.734014	-118.130483	0.396	17,257.4	--	--	--
USW0034	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.733195	-118.130137	0.049	2,134.7	--	--	--
USW0030	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.726767	-118.127468	0.221	9,637.5	--	--	--
USW0037	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.774301	-118.143949	2.041	88,901.5	--	--	--
USW0038	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.783215	-118.14675	2.086	90,860.6	--	--	--
USW0039	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.78412	-118.147039	0.424	18,458.2	--	--	--
USW0040	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.78496	-118.147288	1.758	76,564.0	--	--	--
USW0041	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.785917	-118.147589	0.900	39,212.8	--	--	--
USW0042	Wetland	Emergent	Wetlands	n/a	Grass/Herbs	36.787504	-118.148092	3.331	145,098.3	--	--	--
USW0043	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.790624	-118.148971	0.580	25,245.7	--	--	--
USW0048	Wetland	Emergent	Wetlands	n/a	Scrub-Shrub	36.896167	-118.181971	8.586	374,002.5	--	--	--
USW0057	Wetland	Emergent	Wetlands	n/a	Grass/Herbs	35.938305	-117.904995	3.881	169,066.7	--	--	--
USW0009	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.617585	-118.053069	2.325	101,276.7	--	--	--
USW0062	Wetland	Emergent	Wetlands	n/a	Scrub-Shrub	36.271563	-117.989631	2.967	129,248.2	--	--	--
USW0007	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.295748	-118.003329	20.194	879,648.6	--	--	--
USW0059	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	35.944721	-117.906608	0.779	33,923.3	--	--	--
USW0058	Wetland	Emergent	Wetlands	n/a	Grass/Herbs	35.941337	-117.905695	0.549	23,896.5	--	--	--
USW0060	Wetland	Emergent	Wetlands	n/a	Scrub-Shrub	36.016422	-117.931887	2.207	96,130.0	--	--	--
USW0061	Wetland	Emergent	Wetlands	n/a	Scrub-Shrub	36.022278	-117.933328	0.460	20,042.3	--	--	--
USW0018	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.686872	-118.104978	0.247	10,756.7	--	--	--
USW0074	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.690104	-118.106874	1.076	46,849.9	--	--	--
USW0073	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.675843	-118.097917	3.821	166,443.6	--	--	--
USW0016	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.681358	-118.10197	7.713	335,973.4	--	--	--
USW0055	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	37.181048	-118.313888	4.158	181,117.0	--	--	--
USW0071	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.661751	-118.092172	0.440	19,171.6	--	--	--
USW0012	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.663466	-118.092668	0.043	1,857.8	--	--	--
USW0009	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.620783	-118.053069	5.425	236,315.5	--	--	--
USW0066	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.566186	-118.037444	0.292	12,712.7	--	--	--
USW0067	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.577538	-118.038507	1.509	65,748.4	--	--	--
USW0036	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.735485	-118.131048	3.706	161,413.6	--	--	--
USW0047	Wetland	Scrub Shrub	Wetlands	n/a	Marsh/Wetlands	36.880708	-118.177137	5.243	228,384.2	--	--	--
USW0056	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	37.187016	-118.317828	2.336	101,759.3	--	--	--
USW0056	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	37.189697	-118.319503	2.953	128,615.5	--	--	--
USW0054	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	37.000356	-118.217373	1.639	71,386.9	--	--	--
USW0087	Wetland	Potential	Wetlands	n/a	Scrub-Shrub	37.044322	-118.231523	0.411	17,903.7	--	--	--
USW0044	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.793007	-118.149792	1.310	57,068.9	--	--	--
USW0080	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.789514	-118.148704	2.109	91,875.4	--	--	--
USW0081	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.791777	-118.149421	1.460	63,614.4	--	--	--
USW0085	Wetland	Potential	Wetlands	n/a	Scrub-Shrub	37.01965	-118.222301	1.993	86,805.4	--	--	--
USW0086	Wetland	Potential	Wetlands	n/a	Scrub-Shrub	37.042762	-118.230799	0.632	27,517.5	--	--	--
USW0011	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.65963	-118.091775	0.370	16,136.7	--	--	--
USW0068	Wetland	Potential	Wetlands	n/a	Scrub-Shrub	36.637714	-118.07854	0.094	4,073.5	--	--	--
USW0069	Wetland	Potential	Wetlands	n/a	Scrub-Shrub	36.639067	-118.079795	0.229	9,966.3	--	--	--
USW0070	Wetland	Potential	Wetlands	n/a	Scrub-Shrub	36.640208	-118.080668	0.147	6,393.0	--	--	--
USW0065	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.563904	-118.037022	1.676	73,009.2	--	--	--
USW0063	Wetland	Potential	Wetlands	n/a	Scrub-Shrub	36.533409	-118.034348	0.436	19,004.5	--	--	--
USW0064	Wetland	Potential	Wetlands	n/a	Scrub-Shrub	36.53401	-118.034106	0.181	7,880.6	--	--	--
USW0049	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.902516	-118.183946	3.690	160,728.5	--	--	--
USW0084	Wetland	Potential	Wetlands	n/a	Scrub-Shrub	36.909666	-118.186175	2.786	121,337.4	--	--	--
USW0082	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.831644	-118.161819	8.855	385,719.4	--	--	--
USW0083	Wetland	Potential	Wetlands	n/a	Scrub-Shrub	36.845657	-118.166197	9.160	399,024.1	--	--	--

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
USW0076	Wetland	Emergent	Wetlands	n/a	Grass/Herbs	36.75279	-118.137294	1.536	66,889.1	--	--	--
USW0077	Wetland	Emergent	Wetlands	n/a	Grass/Herbs	36.760627	-118.139725	6.622	288,468.0	--	--	--
USW0078	Wetland	Emergent	Wetlands	n/a	Grass/Herbs	36.765647	-118.141291	6.885	299,918.4	--	--	--
USW0079	Wetland	Emergent	Wetlands	n/a	Grass/Herbs	36.770887	-118.142918	7.190	313,178.4	--	--	--
USW0053	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.980324	-118.208961	22.998	1,001,808.6	--	--	--
USW0053	Wetland	Scrub Shrub	Wetlands	n/a	Scrub-Shrub	36.990126	-118.213003	4.060	176,870.3	--	--	--
USW0020	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.70233	-118.113688	0.793	34,544.0	--	--	--
USW0075	Wetland	Potential	Wetlands	n/a	Grass/Herbs	36.704515	-118.115011	0.420	18,315.2	--	--	--
USW0089	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	37.170541	-118.306882	0.527	22,957.8	--	--	--
USW0014	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.668095	-118.093781	1.623	70,676.8	--	--	--
USW0072	Wetland	Emergent	Wetlands	n/a	Marsh/Wetlands	36.669733	-118.093949	0.149	6,487.5	--	--	--
USWR0037A	Wetland	Emergent	Wetlands	n/a	Grass/Herbs	36.77637	-118.144623	3.539	154,155.2	--	--	--

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Southern California Edison Company

WETLANDS AND OTHER WATERS JURSIDICTIONAL DELINEATION REPORT

Ivanpah-Coolwater-Kramer-Inyokern 115 kV Subtransmission Line Project
San Bernardino County and
Kern County, California

January 2019

WETLANDS AND OTHER WATERS JD REPORT

ICKI 115KV Subtransmission Line Project San Bernardino County and Kern County, CA

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ACRONYMS AND ABBREVIATIONS

amsl	above mean sea level
Arcadis	Arcadis U.S., Inc.
°C	degrees Celsius
CAISO	California Independent System Operator
cm	centimeter(s)
CDFW	California Department of Fish and Wildlife
CFR	Code of Federal Regulations
CPUC	California Public Utilities Commission
CWA	Clean Water Act
°F	degrees Fahrenheit
FAC	Facultative species (wetland indicator status)
FACU	Facultative Upland species (wetland indicator status)
FACW	Facultative Wetland species (wetland indicator status)
GO 95	General Order 95, Rules for Overhead Electric Line Construction
GPS	Global Positioning System
HA	Hydrologic Area
ha	hectare(s)
HR	Hydrologic Region
HU	Hydrologic Unit
HUC	Hydrologic Unit Code
ICKI	Ivanpah-Coolwater-Kramer-Inyokern Alignment
km	kilometer(s)
km^2	square kilometers
LiDAR	Light Detection and Ranging
LWS	lightweight steel
m	meters
m^2	square meters
mm	millimeters
NERC	North American Electric Reliability Corporation
NRCS	National Resource Conservation Service

OBL	Obligate wetland species (wetland indicator status)
OHWM	ordinary highwater mark
Project	Ivanpah-Coolwater-Kramer-Inyokern (ICKI) 115kV Subtransmission Line Project
RPW	relatively permanent waters
RWQCB	Regional Water Quality Control Board
SCE	Southern California Edison Company
SWRCB	State Water Resources Control Board
TLRR	Transmission Line Rating Remediation
TNW	traditional navigable waters
TSP	tubular steel pole
USACE	United States Army Corps of Engineers

1 INTRODUCTION

Arcadis U.S., Inc. (Arcadis) was retained by Southern California Edison Company (SCE) to conduct a jurisdictional delineation to determine the extent of Waters of the United States (U.S.), including wetlands, pursuant to the federal Clean Water Act (CWA) Section 404, regulated by the United States Army Corps of Engineers (USACE), and CWA Section 401 and the Porter Cologne Water Quality Control Act (Porter-Cologne) regulated by the Regional Water Quality Control Board (RWQCB). The delineation also identified the extent of lakes, rivers, or streambeds and associated riparian vegetation pursuant to the California Fish and Game Code Sections 1600-1617, regulated by the California Department of Fish and Wildlife (CDFW). This delineation was performed along the Ivanpah-Coolwater-Kramer-Inyokern (ICKI) 115 kV Subtransmission Line Project (Project) in San Bernardino and Kern counties, California (Attachment A).

The results of this delineation will be used to support the Project's design and implementation and to maximize avoidance and minimization of impacts on jurisdictional waters, including wetlands; to prepare a Proponent's Environmental Assessment; to support additional environmental assessment and permitting as needed; and to obtain permits for construction, if required.

1.1 Project Background

The ICKI Project alignment is located between Inyokern Substation (located approximately 1 mile [1.6 kilometers] east of Inyokern, California) and the Ivanpah Substation in California (located approximately 6 miles [9.7 kilometers] southwest of Primm, Nevada).

Specifically, the ICKI Project includes:

- Installation of single-circuit and double-circuit tubular steel poles (TSPs).
- Installation of single-circuit and double-circuit lightweight steel (LWS) poles and LWS H-frames.
- Installation of LWS poles to carry telecommunications cable at line crossings.
- Installation of multi-pole TSP structures.
- Installation of OPGW/ADSS fiber optic cable.
- Removal of existing subtransmission structures where appropriate.
- Installation of marker balls on overhead wire where determined to be appropriate.
- Reconductoring the split bundled Kramer-Inyokern-Randsburg No.1 115 kV Subtransmission Line by removing approximately 288 miles (464 km) of existing conductor and installing approximately 144 miles (232 km) of replacement conductor.
- Reconductoring the Kramer-Coolwater 115 kV Subtransmission Line by removing approximately 132 miles (212 km) of existing conductor and installing approximately 132 (212 km) miles of replacement conductor.
- Reconductoring the Tortilla-Kramer 115 kV Subtransmission Line and the Coolwater-Tortilla segment of the Coolwater-SEGS2-Tortilla 115 kV Subtransmission Line by removing approximately 132 miles (212 km) of existing conductor and installing approximately 132 miles (212 km) of replacement conductor.

2 PROJECT LOCATION

The Project alignment is located within the following U.S. Geological Survey 7.5-minute quadrangles: Alvord Mtn. East, Alvord Mtn. West, Baker, Barstow, Bird Spring, Blackwater Mine, Boron, Boron NE, Boron NW, Camp Rock Mine, Castle Peaks, Cave Mountain, Cima Dome, Clark Mtn., Cronese Lakes, Crystal Lake, Daggett, Dunn, East of Kingston Spring, East of Kingston Peak, East of Langford Well, El Paso Peaks, Freeman Junction, Fremont Peak, Galileo Hill, Garlock, Harvard Hill, Hinkley, Horse Thief Springs, Indian Spring, Inyokern, Inyokern SE, Ivanpah, Ivanpah Lake, Johannesburg, Kingston Peak, Klinker Mountain, Kramer Hills, Kramer Junction, Lane Mountain, Leuhman Ridge, Lockhart, Manix, Mescal Range, Mesquite Lake, Mineral Hill, Minneola, Mud Hills, Nebo, Newberry Springs, Owens Peak, Pachalka Springs, Pearsonville, Pinto Valley, Red Mountain, Ridgecrest North, Ridgecrest South, Saddleback Mountain, Soda Lake North, Solomons Knob, State Line Pass, The Buttes, Troy Lake, Turquoise Mtn., Twelve Gauge Lake, Valley Wells, Valyermo, Walker Pass, West of Soda Lake, Williams Well, and Yermo.

3 ENVIRONMENTAL SETTING

The Project is located within the Mojave Desert. Temperatures here vary significantly, with highs typically exceeding 100 degrees Fahrenheit (°F; 37.8° Celsius [°C]) in the summer to lows of near 30°F (-1.1°C) in the winter (National Weather Service 2017). Average rainfall varies from 0 inches to as much as 6 inches (15 centimeters [cm]) per year. The Project alignment crosses numerous drainages of varying size.

3.1 Topography

The Project lies within typical basin and range topography for the Mojave Desert. Elevations in the Project area range from a low of approximately 930 feet (284 meters [m]) above mean sea level (amsl) to a high of approximately 5,300 feet (1,615 m) amsl. Surface water on large alluvial fans, or bajadas, which occur adjacent to the mountain fronts, form ephemeral streams, which drain and deposit alluvial materials into valleys and, eventually, into dry lakes and the Mojave River. Soils within the Project area vary from extremely gravelly to sandy loam.

3.2 Hydrology

Surface waters are delineated by the United States Geological Service (USGS), which divides surface waters into successively smaller hydrologic units classified into four levels: regions, sub-regions, accounting units, and cataloging units. The hydrologic units are arranged within each other, from the smallest (cataloging units) to the largest (regions). Each hydrologic unit is identified by a unique hydrologic unit code (HUC) consisting of two to eight digits based on the four levels of classification in the hydrologic unit system. The first level of classification divides the Nation into 21 major geographic areas, or regions. The second level of classification divides the 21 regions into 221 sub-regions. A sub-region includes the area drained by a river system, a reach of a river and its tributaries in that reach, a closed basin(s), or a group of streams forming a coastal drainage area. The third level of classification subdivides many of the sub-regions into accounting units. The fourth level of classification is the cataloging unit, the smallest element in the hierarchy of hydrologic units. A cataloging unit is a geographic area representing part or all of a surface drainage basin, a combination of drainage basins, or a distinct hydrologic feature (sometimes referred to as watersheds).

The Project alignment is within the Northern Mojave Accounting Unit (180902) and the Northern Mojave-Mono Lake Subregion (1809). The Project is located within the following HUs: Indian Wells-Searles Valley (18090205), Coyote-Cuddeback Lakes (18090207), Antelope-Fremont Valleys (18090206), Death Valley-Lower Amargosa (18090203), Mohave (18090208), and Ivanpah-Pahrump Valleys (16060015). A map depicting the HUs along the ICKI Project alignment is provided in Attachment B. Many of the HUs and or Hydrologic Area/Subwatersheds have the potential to be closed isolated valleys or have endorheic basins/dry lakes. Within these areas the drainages, including unnamed ephemeral drainages, flow from the surrounding mountains and alluvial fans to the valley floor into dry lakes. The Mojave River is the major surface water feature along the Project alignment.

3.3 Water Quality

3.3.1 Beneficial Uses

The Project is located within the Lahontan RWQCB Lahontan Region Basin Plan (RWQCB 1995). The Basin Plan identifies beneficial uses and water quality objectives that are the water quality standards for the Lahontan Region. The Lahontan Region identifies 23 beneficial uses for the surface and groundwater resources within the region. Beneficial uses for drainages located within the Project area are shown below in Table 1; the primary beneficial uses as determined by prevalence are as follows.

- **AGR** Agricultural Supply. Beneficial uses of waters used for farming, horticulture, or ranching, including, but not limited to, irrigation, stock watering, and support of vegetation for range grazing.
- **COMM** Commercial and Sportfishing. Beneficial uses of waters used for commercial or recreational collection of fish or other organisms including, but not limited to, uses involving organisms intended for human consumption.
- **GWR** Ground Water Recharge. Beneficial uses of waters used for natural or artificial recharge of ground water for purposes of future extraction, maintenance of water quality, or halting of saltwater intrusion into freshwater aquifers.
- **MUN** Municipal and Domestic Supply. Beneficial uses of waters used for community, military, or individual water supply systems including, but not limited to, drinking water supply.
- **REC-1** Water Contact Recreation. Beneficial uses of waters used for recreational activities involving body contact with water where ingestion of water is reasonably possible. These uses include, but are not limited to, swimming, wading, water-skiing, skin and scuba diving, surfing, white water activities, fishing, and use of natural hot springs.
- **REC-2** Noncontact Water Recreation. Beneficial uses of waters used for recreational activities involving proximity to water, but not normally involving body contact with water where ingestion of water is reasonably possible. These uses include, but are not limited to, picnicking, sunbathing, hiking, beachcombing, camping, boating, tidepool and marine life study, hunting, sightseeing, and aesthetic enjoyment in conjunction with the above activities.
- **WARM** Warm Freshwater Habitat. Beneficial uses of waters that support warm water ecosystems including, but not limited to, preservation and enhancement of aquatic habitats, vegetation, fish, and wildlife, including invertebrates.
- **WILD** Wildlife Habitat. Beneficial uses of waters that support wildlife habitats including, but not limited to, the preservation and enhancement of vegetation and prey species used by wildlife, such as waterfowl.

Table 1. Beneficial Uses for Drainages Located within the Project area.

Feature	MUN	AGR	PRO	IND	GWR	FRSH	NAV	POW	REC-1	REC-2	COMM	AQUA	COLD	WARM	SAL	WILD	BIOL	RARE	MGR	SPWN	WQE	FLD
Lahontan Region Basin Plan																						
Minor Surface Waters*	X	X			X				X	X	X		X	X		X						
Mojave River	X	X			X				X	X	X		X	X		X						

MUN – Municipal and Domestic Supply
AGR – Agricultural Supply
PRO – Industrial Process Supply
IND – Industrial Service Supply
GWR – Ground Water Recharge
FRSH – Freshwater Replenishment
NAV – Navigation
POW – Hydropower Generation
REC1 – Water Contact Recreation
REC2 – Non-contact Water Recreation
COMM – Commercial and Sport Fishing
AQUA – Aquaculture
COLD – Cold Freshwater Habitat
WARM – Warm Freshwater Habitat
SAL – Inland Saline Water Habitat
WILD – Wildlife Habitat
BIOL – Preservation of Biological Habitats of Special Significance
RARE – Rare, Threatened or Endangered Species
MGR – Migration of Aquatic Organisms
SPWN – Spawning, Reproduction, and Development
WQE – Water Quality Enhancement
FLD – Flood Peak Attenuation/Flood Water Storage
X – Existing Beneficial Uses
I – Intermittent Uses
NA – Not Available

*Tributary Rule – All surface waters of the Lahontan Region are not named. Waters not mentioned by name are included in the categories Minor Surface Waters and Minor Wetlands within each Hydrologic Unit or Hydrologic Area. Beneficial uses are designated for these categories. However, additional beneficial uses may apply to waters with these categories under the Tributary Rule, which provides that water quality standards for specific water bodies apply upstream to tributaries for which no site-specific standards have been adopted.

3.3.2 Impaired Water Bodies; CWA Section 303(d)

Listing a water body as impaired in California is governed by the Water Quality Policy for developing California CWA, Section 303(d) Listing Policy. The State Water Resources Control Board (SWRCB) and RWQCBs assess water quality data for California's waters every two years to determine if they contain pollutants at levels that exceed protective water quality criteria and standards. This biennial assessment is required under Section 303(d) of the CWA. The Mojave River (receiving waters) is listed as a 303(d) impaired water but not within the Project area (Table 2).

Table 2. Impaired Water Bodies, per CWA Section 303(d), of the Project Area.

Region	Region Name	Water Body Name	Water Body Type	Water Body Type Code	Pollutant	Pollutant Category	Final Listing Decision	TMDL Requirement Status
6	Regional Board 6 - Lahontan Region	Mojave River (Mojave Forks Reservoir outlet to Upper Narrows)	River and Stream	R	Fluoride	Other Inorganics	List on 303(d) list (TMDL required list)	5A
6	Regional Board 6 - Lahontan Region	Mojave River (Upper Narrows to Lower Narrows)	River and Stream	R	Fluoride	Other Inorganics	List on 303(d) list (TMDL required list)	5A
6	Regional Board 6 - Lahontan Region	Mojave River (Upper Narrows to Lower Narrows)	River and Stream	R	Sulfates	Other Inorganics	List on 303(d) list (TMDL required list)	5A
6	Regional Board 6 - Lahontan Region	Mojave River (Upper Narrows to Lower Narrows)	River and Stream	R	Sulfates	Other Inorganics	List on 303(d) list (TMDL required list)	5A
6	Regional Board 6 - Lahontan Region	Mojave River (Upper Narrows to Lower Narrows)	River and Stream	R	Total Dissolved Solids	Salinity	List on 303(d) list (TMDL required list)	5A

R – Riverine
TMDL – Total Maximum Daily Loads
5A – 303(d) list requiring the development of a TMDL

3.4 Hydric Soils

The Project is located within the Natural Resource Conservation Service's *Soil Survey for Edwards Airforce Base California, Parts of Kern, Los Angeles, and San Bernardino Counties; Kern County California, Southeast Part; San Bernardino County California Mojave River Area, Mojave Desert Area, Northwest Part; and Mojave Desert Area, Northeast Part*. A large portion of the ICKI alignment is designated as "not commissioned" and soil data are not available. The Project area is characterized by numerous soil types. Soil maps are provided in Attachment C. Hydric soil map units within the survey area are provided in Table 3.

Table 3. Hydric Soil Map Units

Soil Map Unit*	Description	Hydric*
21	Cave loam, Dry, 0 to 2 percent slopes	3
22	Dune Land	3
23	Fluvents, occasionally flooded	2, 3
24	Halloran sandy loam	3
33	Lavic loamy fine sand	3
37	Nebona-Cuddeback complex, 2 to 9 percent slopes	3
38	Norod-Halloran complex, 0 to 5 percent slopes	3
39	Pits	4
40	Playas	3
41	Riverwash	2, 3
43	Rosamond loam, saline-alkali	3
48	Victorville sandy loam	2
49	Victorville variant sand	3
50	Villa loamy sand	2
52	Yermo-Kimberlina, cool, association, sloping	3
53	Water	
54	Miscellaneous Water	

Notes:
1.All Histels except Folistels and Histosols except Folists; or
2.Map unit components in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, or Andic, Cumulic, Pachic, or Vitrandic subgroups that:
   a. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
   b. Show evidence that the soil meets the definition of a hydric soil;
3. Map unit components that are frequently ponded for long duration or very long duration during the growing season that:
   a. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
   b. Show evidence that the soil meets the definition of a hydric soil; or
4. Map unit components that are frequently flooded for long duration or very long duration during the growing season that:
   a. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
   b. Show evidence that the soils meet the definition of a hydric soil.
*Soil map units were not confirmed in the field.

4 NATURAL COMMUNITIES

Surveys performed along the ICKI Project alignment in 2017 and 2018 identified thirty vegetation alliances as described in the *California Manual of Vegetation*, Second Edition (Sawyer et al. 2009), online updates (CNPS 2018), and the updated California State Natural Communities List, also called the List of Vegetation Alliances and Associations (CDFW 2018). These include five woodland alliances: Desert-willow - Smoketree Wash Woodland, Utah Juniper Woodland, Singleleaf Pinyon – Utah Juniper Woodland, Mesquite Thickets, and Joshua Tree Woodland; twenty-one shrubland alliances: White Bursage Scrub, Cheesebush – Sweetbush Scrub, Fourwing Saltbush Scrub, Shadscale Scrub, Allscale Scrub, Spinescale Scrub, Black Brush Scrub, Acton's and Virgin River Brittle Brush – Net-veined Goldeneye Scrub, Brittle Bush Scrub, California Joint-fir – Longleaf Joint-fir Scrub, Cooper's Goldenbush Scrub, Winterfat Scrubland, Creosote Bush Scrub, Creosote Bush - White Bursage Scrub, Creosote Bush – Brittle Bush Scrub, Scalebroom Scrub, Desert Almond – Mexican Bladdersage Scrub, Catclaw Acacia – Desert Lavender – Chuparosa Scrub, Bush Seepweed Scrub, Mojave Yucca Scrub, Tamarix Thickets; and four herbaceous alliances: Brittle Spineflower – Field Suncup Provisional Desert Pavement Sparsely Vegetated Alliance, Mojave – Sonoran Desert Dunes, Big Galleta Shrub-Steppe, and Red Brome or Mediterranean Grass Grasslands.

The National Wetland Plant List (Lichvar et al. 2016) designates wetland indicator species based on their occurrence in wetland habitats at least some of the time. For the purposes of this report, wetland indicator plants are identified as obligate wetland species (OBL), facultative wetland species (FACW), and/or facultative wetland species (FAC). Natural communities dominated (>50 percent relative cover) by wetland indicator plants are listed first in Section 4.1, followed by upland vegetation types. All observed alliances and/or associations within the survey area are shown in Table 4 along with the wetland indicator status of the dominant species.

Table 4. Vegetation Alliances and Associations Mapped within the Survey Area

Alliance Name	Alliance Scientific Name	Association(s) – if present	Wetland Indicator Status for Dominant Species in Alliance[1]
Natural Communities Dominated by Species with Wetland Indicator Status of FAC, FACW, OBL			
Woodland Alliances			
Desert-willow - Smoketree Wash Woodland	*Chilopsis linearis* - *Psorothamnus spinosus* Woodland Alliance	*Chilopsis linearis* Association	FAC
		Chilopsis linearis / *Ambrosia salsola* Association	
Shrubland Alliances			
Spinescale Scrub	*Atriplex spinifera* Shrubland Alliance	--	FAC

Alliance Name	Alliance Scientific Name	Association(s) – if present	Wetland Indicator Status for Dominant Species in Alliance[1]
Bush Seepweed Scrub	*Suaeda nigra* (*moquinii*) Shrubland Alliance	--	OBL
Tamarisk Thickets[2]	*Tamarix* spp. Shrubland Semi-Natural Alliance	--	FAC
Natural Communities Dominated by Upland Species (FACU or no wetland indicator status)			
Woodland Alliances			
Utah Juniper Woodland	*Juniperus osteosperma* Woodland Alliance	*Juniperus osteosperma / Coleogyne ramosissima* Association	none
Singleleaf Pinyon - Utah Juniper Woodlands	*Pinus monophylla* – (*Juniperus osteosperma*) Woodland Alliance	*Pinus monophylla - Juniperus osteosperma / Coleogyne ramosissima* Association	none
Mesquite Thickets	*Prosopis glandulosa - Prosopis velutina – Prosopis pubescens* Woodland Alliance	*Prosopis glandulosa* var. *torreyana* Association	FACU
Natural Communities Dominated by Upland Species (FACU or no wetland indicator status)			
Woodland Alliances			
Joshua Tree Woodland	*Yucca brevifolia* Shrubland Alliance	*Yucca brevifolia / Coleogyne ramosissima* Association	none
		Yucca brevifolia / Larrea tridentata - Ambrosia dumosa Association	

Alliance Name	Alliance Scientific Name	Association(s) – if present	Wetland Indicator Status for Dominant Species in Alliance[1]
		Yucca brevifolia / Larrea tridentata - Yucca schidigera Association	
		Yucca brevifolia / Larrea tridentata / Pleuraphis rigida Association	
Shrubland Alliances			
White Bursage Scrub	*Ambrosia dumosa* Shrubland Alliance	--	none
		Ambrosia dumosa / Pleuraphis rigida Provisional Association	
Cheesebush – Sweetbush Scrub	*Ambrosia salsola – Bebbia juncea* Shrubland Alliance	--	none
		Ambrosia salsola Association	
		Senna armata - Ambrosia salsola Association	
Fourwing Saltbush Scrub	*Atriplex canescens* Shrubland Alliance	--	none
		Atriplex canescens / herbaceous Association	
Natural Communities Dominated by Upland Species (FACU or no wetland indicator status)			
Shrubland Alliances			
Shadscale Scrub	*Atriplex confertifolia* Shrubland Alliance	--	none
Allscale Scrub		--	FACU

Alliance Name	Alliance Scientific Name	Association(s) – if present	Wetland Indicator Status for Dominant Species in Alliance[1]
	Atriplex polycarpa Shrubland Alliance	*Atriplex polycarpa* Sparse Playa Association	
Black Brush Scrub	*Coleogyne ramosissima* Shrubland Alliance	--	none
Acton's and Virgin River Brittle Brush – Net-veined Goldeneye Scrub	*Encelia* (*actoni*, *virginensis*) – *Viguiera reticulata* Shrubland Alliance	*Encelia actonii* Association	none
Brittle Bush Scrub	*Encelia farinosa* Shrubland Alliance	--	none
California Joint-fir – Longleaf Joint-fir Scrub	*Ephedra californica* – *Ephedra trifurca* Shrubland Alliance	*Ephedra californica* Association	none
Cooper's Goldenbush Scrub	*Ericameria cooperi* Provisional Shrubland Alliance	--	none
Winterfat Scrubland	*Krascheninnikovia lanata* Shrubland Alliance	--	none
Natural Communities Dominated by Upland Species (FACU or no wetland indicator status)			
Shrubland Alliances			
Creosote Bush Scrub	*Larrea tridentata* Shrubland Alliance	--	none
		Larrea tridentata - *Atriplex polycarpa* Association	

Alliance Name	Alliance Scientific Name	Association(s) – if present	Wetland Indicator Status for Dominant Species in Alliance[1]
		Larrea tridentata - Ephedra nevadensis Association	
		Larrea tridentata - Senna armata Provisional Association	
		Larrea tridentata / Pleuraphis rigida Association	
Creosote Bush – White Bursage Scrub	*Larrea tridentata – Ambrosia dumosa* Shrubland Alliance	--	none
		Larrea tridentata - Ambrosia dumosa - (Ephedra nevadensis - Lycium andersonii) Association	
		Larrea tridentata - Ambrosia dumosa - Senna armata Association	
		Larrea tridentata - Ambrosia dumosa / Pleuraphis rigida Association	
Creosote Bush – Brittle Bush Scrub	*Larrea tridentata – Encelia farinosa* Shrubland Alliance	--	none
Natural Communities Dominated by Upland Species (FACU or no wetland indicator status)			
Shrubland Alliances			
Scalebroom Scrub	*Lepidospartum squamatum* Shrubland Alliance	--	FACU

Alliance Name	Alliance Scientific Name	Association(s) – if present	Wetland Indicator Status for Dominant Species in Alliance[1]
Desert Almond – Mexican Bladdersage Scrub	*Prunus fasciculata – Scutellaria (Salazaria) mexicana* Shrubland Alliance	*Prunus fasciculata - Salazaria mexicana* Association	none
		Prunus fasciculata Association	
		Salazaria mexicana Association	
		Salvia dorrii Wash Association	
Catclaw Acacia - Desert Lavender - Chuparosa Scrub	*Senegalia greggii - Hyptis emoryi - Justicia californica* Shrubland Alliance	*Senegalia greggii* Wash Association	FACU
		Senegalia greggii - Ambrosia salsola Association	
Mojave Yucca Scrub	*Yucca schidigera* Shrubland Alliance	*Yucca schidigera / Larrea tridentata - Ambrosia dumosa* Association	none
Herbaceous Alliances			
Big Galleta Shrub-Steppe	*Pleuraphis rigida* Herbaceous Alliance	*Pleuraphis rigida/Atriplex canescens* Association	none
Mojave-Sonoran Desert Dunes	*Dicoria canescens – Abronia villosa – Panicum urvilleanum* Sparsely Vegetated Alliance	--	none
Natural Communities Dominated by Upland Species (FACU or no wetland indicator status)			
Herbaceous Alliances			
Brittle Spineflower - Field Suncup Provisional Desert	*Chorizanthe brevicornu - Camissonia campestris* Provisional Desert	--	none

Alliance Name	Alliance Scientific Name	Association(s) – if present	Wetland Indicator Status for Dominant Species in Alliance[1]
Pavement Sparsely Vegetated Alliance	Pavement Herbaceous Stands		
Red Brome or Mediterranean Grass Grasslands	*Bromus rubens – Schismus (arabicus, barbatus)* Herbaceous Semi-Natural Stands	--	none

1 Lichvar et al. 2016
2 Wetland indicator status applies only to *Tamarix aphylla*. *Tamarix ramosissima* lacks a wetland indicator status

Below are brief descriptions of each alliance and any associations within a given alliance that were observed along the ICKI alignment. Species mentioned in these descriptions were observed in the Project area; these descriptions do not represent associated species for a given natural community state-wide.

4.1 Natural Communities Dominated by Plants with a Wetland Indicator Status

Four natural communities along the ICKI alignment are dominated by species with a wetland indicator status of FAC, FACW, or OBL. In desert areas, most wetlands are seasonally moist, with a long dry season. One wash woodland vegetation type is present (Desert-willow - Smoketree Wash Woodland), along with two shrubland types typically found near old lakebeds, playas, and the base of alluvial fans (Spinescale Scrub and Bush Seepweed Scrub). One non-native shrubland, Tamarisk Thickets, occurs along washes and the edges of playas where moisture is available on at least a seasonal basis.

4.1.1 Woodland Alliances

4.1.1.1 Desert-willow - Smoketree Wash Woodland (*Chilopsis linearis Psorothamnus spinosus* Woodland Alliance)

Desert-willow - Smoketree Wash Woodland is dominated by desert-willow and/or by smoketree in a two-tiered canopy with small trees. Smoketree was not documented as a dominant in this natural community along the Project alignment, but was observed in lower numbers in limited areas at the east end of the alignment. As a result, this alliance was mapped as the *Chilopsis linearis* Association in most cases; in addition, the *Chilopsis linearis / Ambrosia salsola* Association was observed. Other woody associates of this vegetation type in the Project area include honey mesquite (*Prosopis glandulosa*) and Joshua tree (*Yucca brevifolia*). Desert-willow - Smoketree Wash Woodland is typically associated with washes, canyon bottoms, arroyos, and along floodplains and wash terraces. Soils are well drained sands and gravels that are moderately acidic to slightly alkaline. Desert-willow Woodland occurs at elevations

ranging below 7,000 feet (2,100 m) amsl. Desert-willow has a wetland indicator status of FAC, a species that is equally likely to occur in wetlands and non-wetlands (Lichvar et al. 2016).

4.1.2 Shrubland Alliances

4.1.2.1 Spinescale Scrub (*Atriplex spinifera* Shrubland Alliance)

Spinescale Scrub in the Project area is dominated by spinescale, along with scattered individuals of desert alyssum (*Lepidium fremontii*), allscale (*Atriplex polycarpa*), cheesebush (*Ambrosia salsola*), white bursage (*Ambrosia dumosa*), and California joint-fir (*Ephedra californica*). Spinescale Scrub is typically associated with alluvial fans and old lake beds perched above current drainages. Soils are moderately sandy clay loams to fine silty clay that may be carbonate-rich. Spinescale Scrub occurs at elevations ranging from 165 to 2,600 feet (50 – 800 m) amsl. Spinescale saltbush has a wetland indicator status of FAC, a species that is equally likely to occur in wetlands as in non-wetlands (Lichvar et al. 2016).

4.1.2.2 Bush Seepweed Scrub (*Suaeda nigra* [*moquinii*] Shrubland Alliance*)*

Bush Seepweed Scrub is dominated by bush seepweed; it is also known as Mojave seablite and is currently classified as *Suaeda nigra* but was previously classified as *Suaeda moquinii*. Associated species along the ICKI alignment include desert holly (*Atriplex hymenelytra*) and non-native grasses – Mediterranean canarygrass (*Phalaris minor*) and foxtail barley (*Hordeum murinum*). Soils tend to be deep and alkaline or saline. Bush Seepweed Scrub occurs in alkali sinks and along the edges of valley bottoms, alluvial fans and bajadas, primarily in alkaline substrates below 4,000 feet (1,200 m). Bush seepweed has a wetland indicator status of OBL, meaning that it always occurs in wetlands (Lichvar et al. 2016).

4.1.2.3 Tamarisk Thickets (*Tamarix* sp. Shrubland Semi-Natural Alliance)

Saltcedar (*Tamarix ramosissima*) or Athel tamarisk (*Tamarix aphylla*) is dominant in the shrub canopy of Tamarisk Thickets. Tamarisk Thickets generally occur along arroyo margins, lake margins, ditches, washes, rivers, and other watercourses at elevations ranging from 240 to 2,600 feet (75 – 800 m) amsl. Athel tamarisk has a wetland indicator status of FAC, a facultative species that is equally likely to occur in wetlands as in non-wetlands (Lichvar et al. 2016); saltcedar lacks a wetland indicator status.

4.2 Upland Vegetation Types

Twenty-six vegetation types are dominated by upland species. These vegetation types can be found on mountain slopes, bajadas, alluvial fans, and washes, as well as upland areas in valleys and basins.

4.2.1 Woodland Alliances

4.2.1.1 Utah Juniper Woodland (*Juniperus osteosperma* Woodland Alliance)

Utah Juniper Woodland in the Project area is dominated by Utah juniper and mostly occurs in drainages and on nearby slopes in the Mountain Pass area. Utah juniper is surrounded by black brush (*Coleogyne*

ramosissima) in these areas, which was mapped as the *Juniperus osteosperma / Coleogyne ramosissima* Association. Other common associated species include Joshua tree, Mojave yucca (*Yucca schidigera*), green Mormon-tea (*Ephedra viridis*), and buckhorn cholla (*Cylindropuntia acanthocarpa*), as well occasional seasonal herbaceous annuals and perennials. Utah Juniper Woodland occurs in well drained rocky or alluvial soils on slopes and in washes above 4,300 feet (1,300 m) amsl surrounding the Mojave and Great Basin deserts. Soils tend to be well-drained rocky or gravelly alluvium that are sometimes calcareous; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.1.2 Singleleaf Pinyon - Utah Juniper Woodland (*Pinus monophylla – [Juniperus osteosperma]* Woodland Alliance)

Singleleaf Pinyon - Utah Juniper Woodland in the Project area is dominated by singleleaf pinyon pine and Utah Juniper Woodland and common associated species include black brush, Mojave yucca, green Mormon-tea, and turpentine broom (*Thamnosma montana*). This vegetation was mapped as the *Pinus monophylla - Juniperus osteosperma / Coleogyne ramosissima* Association due to the consistent presence of all three species. Singleleaf Pinyon - Utah Juniper Woodland occurs primarily above 4,300 feet (1,300 m) amsl and often above 5,000 feet (1,524 m) or more in the Project area on rocky or gravelly well-drained slopes, alluvial fans, and in washes and ravines. Neither singleleaf pinyon nor Utah juniper have a wetland indicator status (Lichvar et al. 2016).

4.2.1.3 Mesquite Thickets (*Prosopis glandulosa - Prosopis velutina – Prosopis pubescens* Woodland Alliance)

Mesquite Thickets in the Project area are dominated by honey mesquite (*Prosopis glandulosa* var. *torreyana*), represented as the *Prosopis glandulosa* var. *torreyana* Association, along with scattered shrubs such as white bursage, fourwing saltbush (*Atriplex canescens*), allscale, sweetbush (*Bebbia juncea*), sandpaper plant (*Petalonyx thurberi*), or bush seepweed. Mesquite Thickets generally occur in washes, river terraces, stream banks, floodplains, on the fringes of playa lakes, and as well as on sand dunes and sheets where roots tap into water sources in the sand lenses at elevations below 5,600 feet (1,700 m) amsl. Honey mesquite has a wetland indicator status of FACU, a facultative upland plant that typically occurs in non-wetland habitats but may in saturated soils (Lichvar et al. 2016).

4.2.1.4 Joshua Tree Woodland (*Yucca brevifolia* Woodland Alliance)

Joshua Tree Woodland in the Project area includes Joshua tree associated with black brush, Nevada joint-fir (*Ephedra nevadensis*), winter fat (*Krascheninnikovia lanata*), Mojave yucca, creosote bush (*Larrea tridentata*), white bursage, and many others, depending on location. In sandy soils, big galleta (*Hilaria [Pleuraphis] rigida*) is occasionally co-dominant. Four association within the Joshua Tree Woodland alliance were mapped: the *Yucca brevifolia / Coleogyne ramosissima* Association, *Yucca brevifolia / Larrea tridentata - Ambrosia dumosa* Association, *Yucca brevifolia / Larrea tridentata - Yucca schidigera* Association, and *Yucca brevifolia / Larrea tridentata / Pleuraphis rigida* Association. Joshua Tree Woodland occurs on gentle alluvial fans, ridges, and gentle to moderate slopes at elevations ranging from 2,400 to 5,900 feet (750 – 1,800 m) amsl. Soils are coarse sands, very fine silts, gravel, or sandy loams. Many sites have bimodal soils with both coarse sands and fine silts. This species has no wetland indicator status (Lichvar et al. 2016).

4.2.2 Shrubland Alliances

4.2.2.1 White Bursage Scrub (*Ambrosia dumosa* Shrubland Alliance)

White Bursage Scrub in the Project area is dominated by white bursage but other shrubs may be present, including shadscale (*Atriplex confertifolia*), fourwing saltbush, and creosote bush, along with with seasonal annuals and herbaceous perennials such as big galleta. White Bursage Scrub includes one mapped association in addition to the more widespread alliance, the *Ambrosia dumosa / Pleuraphis rigida* Provisional Association observed on sandy soils. White Bursage Scrub is typically associated with older washes and river terraces, bajadas, rocky hills, partially stabilized sand fields, and upland slopes. Soils are sandy, clay-rich, or calcareous at elevations below 5,580 feet (1,700 m) amsl; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.2 Cheesebush - Sweetbush Scrub (*Ambrosia salsola – Bebbia juncea* Shrubland Alliance)

Cheesebush - Sweetbush Scrub in the Project area is dominated by cheesebush and occasionally sweetbush, often associated with nearby upland woody species such as creosote bush and California joint-fir, as well as species occurring in washes and drainages such as desert senna (*Senna armata*), Mojave indigo bush (*Psorothamnus arborescens),* rayless encelia *(Encelia frutescens)*, and others. Mapped associations of Cheesebush - Sweetbush Scrub include the *Ambrosia salsola* Association and the *Senna armata – Ambrosia salsola* Association. Both cheesebush and sweetbush were codominant in two locations, but in most locations only the *Ambrosia salsola* Association was present; the *Senna armata – Ambrosia salsola* Association occurred was uncommon. Shrublands dominated by Cheesebush - Sweetbush Scrub occur primarily in arroyos, intermittent channels, and washes, as well as valleys and flats, to 5,200 feet (1,600 m) amsl. Soils are alluvial, sandy, gravelly, and disturbed desert. Cheesebush and sweetbush lack any wetland indicator status (Lichvar et. al 2016).

4.2.2.3 Fourwing Saltbush Scrub (*Atriplex canescens* Shrubland Alliance)

Fourwing Saltbush Scrub in the Project area is dominated by fourwing saltbush, with shrub associates that include cheesebush, white bursage, allscale, shadscale, green rabbitbrush (*Chrysothamnus viscidiflorus*), hopsage (*Grayia spinosa*), and bush seepweed. One area supporting Fourwing Saltbush Scrub with high cover of herbaceous species was mapped as the *Atriplex canescens* / herbaceous Association and included desert fiddleneck (*Amsinckia tessellata*), desert dandelion (*Malacothrix glabrata*), and others. Shrublands dominated by fourwing saltbush occur primarily on playas, old beach and shores, and lake deposits from below 250 to above 5,000 feet (75 – 1,500 m) amsl throughout the Mojave and Sonoran Deserts, the Great Basin and arid regions in the Intermountain West. Soils are often carbonate rich, alkaline, sandy, or sandy clay loams; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.4 Shadscale Scrub (*Atriplex confertifolia* Shrubland Alliance)

Shadscale Scrub in the Project area is dominated by shadscale and associated shrubs such as cheesebush, white bursage, allscale, Anderson’s boxthorn (*Lycium andersonii*), spinescale, horsebrush

(*Tetradymia axillaris*), and others. Shadscale Scrub is typically associated with bajadas, flats, lower slopes, rocky hills, valleys, minor rills, washes, and edges of playas at elevations between 1,500 and 8,200 feet (450 and 2,500 m) amsl. Soils are variable and may be clay rich, carbonate rich, or contain sand, and may include desert pavement; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.5 Allscale Scrub (*Atriplex polycarpa* Shrubland Alliance)

Allscale Scrub in the Project area is dominated by allscale saltbush, and may be associated with white bursage, cheeseweed, fourwing saltbush, pale desert thorn (*Lycium pallidum*), alkali goldenbush (*Isocoma acradenia*), creosote bush, and others. In addition to the Allscale Scrub alliance, one association was mapped at a playa (Silver Dry Lake) just north of Baker with low cover of allscale saltbush and no other species, the *Atriplex polycarpa* Sparse Playa Association. Allscale Scrub is typically associated with washes, playa lake beds and shores, dissected alluvial fans, rolling hills, terraces, and edges of large, low-gradient washes at elevations between 250 and 5,000 feet (75 and 1,500 m) amsl. Soils within this vegetation community may be carbonate rich, alkaline, sandy, or sandy clay loams. Allscale saltbush has a wetland indicator status of FACU, a facultative upland plant that typically occurs in non-wetland habitats but may occur in standing water or saturated soils (Lichvar et al. 2016).

4.2.2.6 Black Brush Scrub (*Coleogyne ramosissima* Shrubland Alliance)

Black Brush Scrub in the Project area is dominated by black brush, along with shadscale, hopsage, Utah juniper, single-needle pinyon pine, green Mormon-tea, buckhorn cholla, and turpentine broom. Black Brush Scrub is associated with alluvial fans bordering intermountain basins, slopes, upper bajadas, and rocky highlands between 4,000 to 6,000 feet (1,200 and 1,850 m) amsl. Soils are often thin and gravelly or sandy, with abundant exposed rock, and sometimes a caliche layer; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.7 Acton's and Virgin River Brittle Brush - Net-Veined Goldeneye Scrub (*Encelia* [*actoni, virginensis*] - *Viguiera reticulata* Shrubland Alliance)

Acton's and Virgin River Brittle Brush - Net-Veined Goldeneye Scrub is dominated by Acton's and Virgin River brittle bush and in the Project area is represented solely by the *Encelia actoni* Association. Associated species include desert sage (*Salvia dorrii*), cheesebush, desert mallow (*Sphaeralcea ambigua*), and other seasonal herbaceous species. Acton's encelia occurs on rocky slopes between 980 and 6,200 feet (300 – 1,900 m) amsl. Soils tend to be well-drained cobbles and gravels. Acton's encelia has no wetland indicator status (Lichvar et al. 2016).

4.2.2.8 Brittle Bush Scrub (*Encelia farinosa* Shrubland Alliance)

Brittle Bush Scrub in the Project area is dominated by brittlebush and includes associated shrubs such as white bursage, creosote bush, and cheesebush, along with a range of herbaceous species, including notch-leaved phacelia (*Phacelia crenulata*), brittle spineflower (*Chorizanthe brevicornu*), field suncups (*Camissonia campestris*), birdnest buckwheat (*Eriogonum nidularium*), desert trumpet (*Eriogonum*

inflatum), and small wire lettuce (*Stephanomeria exigua*). Brittle Bush Scrub occurs primarily on alluvial fans, bajadas, rocky hillsides, and slopes of small washes from 250 to 4,600 feet (75–1,400 m) amsl. Soils are usually well drained, rocky, and may be covered by desert pavement; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.9 California Joint-fir - Longleaf Joint-fir Scrub (*Ephedra californica - Ephedra trifurca* Shrubland Alliance)

California Joint-fir - Longleaf Joint-fir Scrub is dominated by California joint-fir and/or longleaf joint-fir and in the Project area is represented solely by the *Ephedra californica* Association. Frequent associated species include creosote bush, cheesebush, white bursage, and pencil cholla (*Cylindropuntia ramosissima*). Shrublands dominated by California joint-fir occur primarily on intermittently-flooded arroyos, washes, and adjacent to alluvial fans or residual dunes and xeric fine-grained sedimentary substrates from 650 to 4,000 feet (200 – 1,200 m). Soils tend to be coarse to medium sands, loamy sands, and sandy clay loams; California joint-fir has no wetland indicator status (Lichvar et al. 2016).

4.2.2.10 Cooper's Goldenbush Scrub (*Ericameria cooperi* Provisional Shrubland Alliance)

Cooper's Goldenbush Scrub in the Project area is dominated by Cooper's goldenbush (*Ericameria cooperi*), along with associated species such as white bursage and spinescale saltbush. Shrublands supporting Cooper's goldenbush occur on well-drained slopes and in washes from 985 to 6,500 feet (300 – 2,000 m) amsl. Soils are coarse and well-drained; Cooper's goldenbush has no wetland indicator status (Lichvar et al. 2016).

4.2.2.11 Winterfat Scrubland (*Krascheninnikovia lanata* Shrubland Alliance)

Winterfat Scrubland in the Project area is dominated by winterfat, and associated shrubs include spinescale saltbush, creosote bush, hopsage, shadscale, and black brush. Winterfat Scrubland is associated with alkaline flats around playas and along drainages, plains, and old lakebeds above current drainages from 300 to 8,900 feet (100 – 2,700 m) amsl. Soils are thin to moderately deep rocky to silty clay loams that are calcareous, moderately alkaline, and sometimes alkaline; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.12 Creosote Bush Scrub (*Larrea tridentata* Shrubland Alliance)

Creosote Bush Scrub in the Project Area is dominated by creosote bush, which is often associated with white bursage, shadscale, allscale, woolly brickellia (*Brickellia incana*), brittle bush, California joint-fir, Nevada ephedra, and Anderson’s boxthorn. The association between creosote bush and white bursage occurs so frequently that an alliance with the two listed as co-dominants is described below. Spring annuals forbs and grasses appear after sufficient rainfall in this vegetation type. Creosote Bush Scrub covers a large area along the ICKI alignment and is the second largest natural community after Creosote Bush – White Bursage Scrub. Mapped associations of Creosote Bush Scrub include the *Larrea tridentata - Atriplex polycarpa* Association, the *Larrea tridentata - Ephedra nevadensis* Association, the *Larrea tridentata - Senna armata* Provisional Association, and the *Larrea tridentata / Pleuraphis rigida*

Association. Creosote Bush Scrub is generally associated with alluvial fans, bajadas, upland slopes, and intermittent washes below 250 to above 3,280 feet (75 – 1,000 m) amsl primarily in the Mojave and Sonoran Deserts. Soils within this vegetation community are well drained, sometimes with desert pavement; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.2.13 Creosote Bush–White Bursage Scrub (*Larrea tridentata–Ambrosia dumosa* Shrubland Alliance)

Creosote Bush - White Bursage Scrub in the Project Area is co-dominated by creosote bush and white bursage. Associated woody species include shadscale, allscale saltbush, brittlebush, Mojave indigo bush, and a diverse assemblage of herbaceous species, depending on season and location. Creosote Bush – White Bursage Scrub occurs in large stands in many locations along the ICKI alignment and is the largest natural community documented in the Project area. Mapped associations of Creosote Bush - White Bursage Scrub include the *Larrea tridentata - Ambrosia dumosa* - (*Ephedra nevadensis - Lycium andersonii*) Association, the *Larrea tridentata - Ambrosia dumosa - Senna armata* Association, and the *Larrea tridentata - Ambrosia dumosa / Pleuraphis rigida* Association. *Larrea tridentata* - Creosote Bush - White Bursage Scrub generally occurs in minor washes and rills, alluvial fans, bajadas, and upland slopes at elevations ranging from below 250 to above 4,000 feet (75 – 1,200 m) amsl. Soils within this vegetation community are well-drained, alluvial, colluvial, sandy, and are sometimes underlain by a hardpan that may be calcareous and/or covered with desert pavement; these species lack a wetland indicator status (Lichvar et al. 2016).

4.2.2.14 Creosote Bush - Brittle Bush Scrub (*Larrea tridentata – Encelia farinosa* Shrubland Alliance)

Creosote Bush - Brittle Bush Scrub in the Project Area is co-dominated by creosote bush and brittle bush, along with cheesebush and herbaceous species such as brittle spineflower. Creosote Bush - Brittle Bush Scrub often occurs in rocky canyons that are underlain with volcanic or granitic substrates, usually below 6,000 feet (1,400 m) amsl; soils may include desert pavement. These species lack a wetland indicator status (Lichvar et al. 2016).

4.2.2.15 Scalebroom Scrub (*Lepidospartum squamatum* Shrubland Alliance)

Scalebroom Scrub in the Project Area occurs where the ICKI alignment crosses the Mojave River near Yermo and is dominated by scalebroom, with other native woody plants present, such as desert-willow, honey mesquite, and cheesebush, as well as non-native saltcedar and athel tamarisk. Shrublands dominated by scale-broom occur primarily on intermittently flooded, low-gradient alluvial deposits along streams, washes, and fans from 165 to 5,000 feet (50 – 1,500 m). Scalebroom has a wetland indicator status of facultative upland (FACU), meaning that it typically occurs in non-wetland habitats but may occur in standing water or saturated soils (Lichvar et al. 2016).

4.2.2.16 Desert Almond - Mexican Bladdersage Scrub (*Prunus fasciculata* – *Scutellaria [Salazaria] mexicana* Shrubland Alliance)

Desert Almond - Mexican Bladdersage Scrub in the Project Area is dominated by desert almond and Mexican bladdersage. Associated species include woolly brickellia, cheesebush, bladderpod (*Peritoma arborea*), desert sage, green Mormon-tea, and a range of seasonal herbaceous species. Four associations within the Desert Almond - Mexican Bladdersage Scrub Alliance were mapped: the *Prunus fasciculata - Salazaria mexicana* Association, the *Prunus fasciculata* Association, the *Salazaria mexicana* Association, and the *Salvia dorrii* Wash Association. Shrublands dominated by desert almond - Mexican bladdersage occur primarily in canyons and washes below 6,000 feet (1,880 m) amsl. Soils tend to be alluvium derived from calcareous, volcanic, and granitic substrates. These species lack a wetland indicator status (Lichvar et al. 2016).

4.2.2.17 Catclaw Acacia - Desert Lavender - Chuparosa Scrub (*Senegalia greggii - Hyptis emoryi - Justicia californica* Shrubland Alliance)

Catclaw Acacia - Desert Lavender - Chuparosa Scrub is dominated by catclaw acacia, desert lavender, and chuparosa Only catclaw acacia was present as a dominant along the ICKI alignment. Associated species include cheesebush, sweetbush, bladderpod, woolly brickellia, and a diverse array of seasonal herbaceous species. Two associations within the Catclaw Acacia - Desert Lavender - Chuparosa Scrub were mapped: the *Senegalia greggii* Wash Association and the *Senegalia greggii - Ambrosia salsola* Association. Shrublands dominated by Catclaw Acacia - Desert Lavender - Chuparosa Scrub occur primarily in canyons, washes, and on bajadas and slopes below 5,000 feet (1,500 m) amsl. Soils tend to be coarse gravels, sands, and loams. Catclaw acacia has a wetland indicator status of facultative upland (FACU), meaning that it typically occurs in non-wetland habitats but may occur in standing water or saturated soils (Lichvar et al. 2016).

4.2.2.18 Mojave Yucca Scrub (*Yucca schidigera* Shrubland Alliance)

Mojave Yucca Scrub is dominated by Mojave yucca in the Project Area, which almost always occurs in mixed shrub stands that can include creosote bush, white bursage, Joshua tree, black brush, and many others, along with native grasses and seasonal herbaceous species. Along the ICKI alignment, Mojave yucca consistently occurred with creosote bush and white bursage, and Mojave Yucca Scrub was mapped as the *Yucca schidigera / Larrea tridentata - Ambrosia dumosa* Association. Mojave Yucca Scrub occurs primarily in well-drained soils below 5,000 feet (1,800 m) amsl. Soils tend to be gravels and sands, including loams. Mojave yucca has no wetland indicator status (Lichvar et al. 2016).

4.2.3 Herbaceous Alliances

4.2.3.1 Brittle Spineflower - Field Suncup Provisional Desert Pavement Sparsely Vegetated Alliance (*Chorizanthe brevicornu – Camissonia campestris* Provisional Desert Pavement Herbaceous Stands)

Brittle Spineflower - Field Suncup Provisional Desert Pavement Sparsely Vegetated Alliance is dominated by seasonal cover of herbaceous annual and perennial species on fairly well-developed desert pavement in the Project Area. Brittle spineflower and field suncups predominate in one small stand in the Project area, along with winged forget-me-not (*Cryptantha pterocarya*), desert dandelion, Mojave desert star (*Monoptilon bellioides*), Mojave spineflower (*Chorizanthe spinosa*), and very low cover of creosote bush. This area of desert pavement occurs on rocky slopes with low shrub and sparse to moderately dense cover of mostly annuals. No species in the Brittle Spineflower - Field Suncup Provisional Desert Pavement Sparsely Vegetated Alliance have a wetland indicator status (Lichvar et al. 2016).

4.2.3.2 Mojave – Sonoran Desert Dunes (*Dicoria canescens – Abronia villosa - Panicum urvilleanum* Sparsely Vegetated Alliance)

Mojave – Sonoran Desert Dunes in the Project Area are dominated by desert dicoria, desert sand verbena, and silky panic grass. Dominant plants tend to be annuals or herbaceous perennials with spreading roots; in the Project area these include desert dicoria, desert sand verbena, California croton (*Croton californicus*), and desert needlegrass (*Stipa hymenoides*), but other species are present as well, such as desert dandelion and prickly poppy (*Argemone munita*). This alliance occurs below 4,500 feet (1,300 m) on active or partially stabilized dunes in deep sandy soils, often associated with washes or dry river beds such as the Mojave River. Vegetation cover in Mojave – Sonoran Desert Dunes is often low (less than 5%) in most years, but can increase sharply during years of high rainfall (Barbour et al. 2007). No species in this alliance has a wetland indicator status (Lichvar et al. 2016).

4.2.3.3 Big Galleta Shrub-Steppe (*Pleuraphis rigida* Herbaceous Alliance)

Big Galleta Shrub-Steppe in the Project Area is dominated by big galleta in spreading patches with associated woody species such as fourwing saltbush and cheesebush; it is often found near the edges of small drainages. Big Galleta Shrub-Steppe occurs on flat ridges, lower bajadas, slopes, dune aprons and stabilized dunes at elevations ranging from 1,640 to 4,593 feet (500 – 1,400 m) amsl. Soils may be clayey, sandy, or rocky; this species has no wetland indicator status (Lichvar et al. 2016).

4.2.3.4 Red Brome or Mediterranean Grass Grasslands (*Bromus rubens – Schismus [arabicus, barbatus]* Herbaceous Semi-Natural Alliance)

Red Brome or Mediterranean Grass Grasslands are dominated by red brome and Mediterranean grass in the Grass Family (Poaceae); grasslands dominated by red brome and Mediterranean grass are widespread below 7,000 feet (2100 m) amsl. Red Brome or Mediterranean Grass Grasslands were observed in the Project area with Russian-thistle (*Salsola tragus*) in disturbed areas. Red brome and Mediterranean grass lack a wetland indicator status (Lichvar et. al 2016).

5 REGULATORY BACKGROUND

5.1 Executive Order 11990 (May 24, 1977) Protection of Wetlands

This federal Executive Order establishes a national policy "to avoid the long- and short-term adverse impacts associated with the destruction or modification of wetlands and to avoid direct or indirect support of new construction in wetlands wherever there is a practical alternative."

5.2 United States Army Corps of Engineers

Pursuant to Section 404 of the CWA, the USACE regulates the discharge of dredged and/or fill material into waters of the United States (waters of the U.S.). The term "Waters of the United States" is defined in 33 Code of Federal Regulations (CFR) Part 328, and includes (1) all navigable waters (including all waters subject to the ebb and flow of the tide), (2) all interstate waters and wetlands, (3) all impoundments of waters mentioned above, (4) all tributaries to waters mentioned above, (5) the territorial seas, and (6) all wetlands adjacent to waters mentioned above. Wetlands are defined in 33 CFR 328.3(b) as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support a prevalence of vegetation typically adapted for life in saturated soil conditions."

The USACE will assert jurisdiction over traditional navigable waters (TNW), all wetlands adjacent to TNWs, non-navigable tributaries of TNWs that are relatively permanent waters (RPW) (tributaries that typically flow year-round or have continuous flow at least seasonally), wetlands that directly abut such tributaries, and non-relatively permanent waters (RPWs) if the water body is determined to have a significant nexus with a TNW (Rapanos 2007).

5.3 Regional Water Quality Control Board

Dredge and fill activities in waters of the U.S. that trigger coverage under Section 404 of the CWA must also receive water quality certification under Section 401 of the CWA. The State Water Resources Control Board (SWRCB), through its RWQCBs, has jurisdiction over Section 401 water quality certification in California. Under CWA Section 401, the RWQCB must certify that a permit issued under CWA Section 404 meets the water quality objectives of the State of California.

The Porter-Cologne Water Quality Control Act (Porter-Cologne), Division 7 of the California Water Code, establishes the responsibilities and authorities of the nine RWQCBs and the SWRCB.

This act establishes that the "Waters of the State" shall be protected for use and enjoyment by the people of the State and that activities and factors that may affect the quality of the waters of the State shall be regulated to attain the highest water quality. "Waters of the State" are defined as any surface water or groundwater, including saline waters, within the boundaries of the state. Porter-Cologne also names the RWQCBs to formulate and adopt water quality control plans.

5.4 California Department of Fish and Wildlife

Pursuant to Sections 1600-1617 of the Fish and Game Code, CDFW may require a Lake or Streambed Alteration Agreement prior to any activity that will substantially divert or obstruct the natural flow or

substantially change the bed, channel, or bank of a river, stream or lake, or use material from a streambed.

CDFW defines a stream (including creeks and rivers) as “a body of water that flows at least periodically or intermittently through a bed or channel having banks, and supports fish or other aquatic life. This includes watercourses having surface or subsurface flow that supports or has supported riparian vegetation.” CDFW’s definition of a lake includes natural lakes or man-made reservoirs. In addition to the bed and banks of a stream, CDFW jurisdiction includes riparian or wetland vegetation associated with a stream.

6 METHODOLOGY

Prior to conducting field surveys, a detailed desktop review was conducted to identify the likelihood of jurisdictional waterway and wetland features along the ICKI Project alignment. The desktop review used aerial photography, United States Geological Survey (USGS) topographical maps, National Wetland Inventory maps, and other available resources. A jurisdictional delineation of waters of the U.S., including wetlands and waters of the State, was conducted for the Project area from January 20 to March 3, 2017. Field delineations were conducted by qualified wetland delineators, consisting of five teams of two. For the purposes of the delineation, the Project area consisted of a survey buffer extending 75 feet (25 m) from either side of the alignment centerline and a circle with a 100-foot (30-m) radius around each existing tower.

The delineation teams walked the Project alignment and collected data on all state and federal jurisdictional features. At each drainage feature, average channel width and depth were estimated in the field in accordance with the descriptions below and features such as substrate type and topography were recorded. Once the outer jurisdictional limits were identified in the field, the boundary of the feature was walked with a Trimble GeoXH Geoexplorer 2008 handheld Global Positioning System (GPS) unit set to collect positional data. Photographs were taken to document site conditions. When field data collection was complete, jurisdictional boundaries were downloaded from the Trimble GPS unit and converted into a GIS GeoDatabase using ArcGIS software.

Paleo-channels (features that may have once conveyed water but lacking recent indications of water flow) and remnants of inactive stream channels that did not exhibit evidence of modern water flow were determined to be non-jurisdictional due to the lack of bed and bank or indicators of ordinary high water mark (OHWM), or active hydrologic connection.

6.1 Delineation of Wetland Waters of the U.S.

The wetland field delineation methodology followed the routine onsite determination method described in the Corps of Engineers Wetland Delineation Manual (USACE 1987) as well as regional approaches identified in the Final Regional Supplement to the Corps of Engineers Wetland Delineation Manual Arid West Region (Version 2.0; USACE 2010).

6.2 Delineation of Non-Wetland Waters of the U.S. (USACE AND RWQCB Jurisdiction)

The boundaries of non-tidal, non-wetland water features were delineated at the OHWM as defined in 33 CFR 328.3 and in accordance with *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States, A Delineation Manual* (August 2008).

Field data forms for determining the OHWM were completed for representative drainages with multiple low flow channels and not at all of the smaller single-channel drainage features. Features with an OHWM were considered jurisdictional non-wetland waters of the U.S. pursuant to the CWA, regulated by the USACE, unless the features were isolated and not within USACE jurisdiction. Field data forms were completed for representative non-wetland features and are included in Attachment D. USACE jurisdictional waters mapping is shown in Appendix E and CDFW jurisdictional waters mapping is provided in Appendix F. A photographic log is presented in Appendix G.

6.3 Delineation of CDFW Jurisdiction

The boundaries of waters subject to regulation by the CDFW were delineated using agency-issued guidance under the California Fish and Game Code, related CDFW materials, and standard practices by CDFW personnel and wetland delineation professionals. CDFW jurisdiction was delineated by measuring the outer boundaries of the greater of either the top of bank measurement (bankfull width) or the extent of associated riparian or wetland vegetation.

7 RESULTS

Drainages identified within the Project alignment are typical ephemeral washes of the Mojave Desert and are characterized as single or compound channels (single, low-flow, meandering channels inset into wider braided channel network). These drainages are highly susceptible to widening and avulsions during moderate to high discharges, while reestablishing a low-flow channel during subsequent flows. Paleo features or channels and swales occurred throughout the Project area; however, they were determined not to be jurisdictional due to the lack of bed and bank and/or indicators of an OHWM.

Within the Project survey area, approximately 667,901 linear feet (203,576 m) and approximately 179 acres (7,784,172 square feet) of potentially jurisdictional non-wetland waters subject to the jurisdiction of the USACE and RWQCB were identified. The drainages totaled 270 acres (11,778,624 square feet) of CDFW jurisdiction. No wetlands were identified.

Mapping for the USACE and RWQCB jurisdictional drainages are provided in Attachment E, and mapping for CDFW jurisdiction is provided in Appendix F. Representative photos of the drainages within the Project area are presented in Attachment G. A summary of jurisdiction, area, and linear feet by individual feature is provided as Attachment H.

7.1 Clean Water Act Sections 404 and 401

With the exception of the Mojave River, drainages identified within the study area are unnamed ephemeral non-RPWs. The ephemeral drainages exhibit channel morphology and OHWM indicators such as bank, scour, and sediment deposits with only riverine hydrological indicators. The majority of the drainages traverse upland Mojave Desert habitats and exhibit a lack of vegetation or occurrence of upland desert vegetation within the channels. While reviewing existing mapping and aerial photography of the study area prior to the field survey, many potential features seemed to be present or to extend farther than currently mapped; however, during the field surveys, these features were evaluated closely (when present) and do not meet the standards for jurisdiction and/or end abruptly.

The USACE has made previous jurisdictional determinations on some of the areas and dry lakes into which Project area ephemeral drainages flow. The determinations were made based on the dry lakes being isolated intrastate waters with no recreational navigation activities and the drainages are not (a)(3) waters as defined by 33 CFR 328.3, and do not meet criteria (a)(3)(iii), since surface waters are not used for industrial or other commercial purposes for interstate commerce. Therefore, based on this information, ephemeral non-relative permanent waters are isolated with no connection to a downstream TNW and thus are not jurisdictional. Therefore, Project ephemeral drainages within these areas may be considered isolated and not under the jurisdiction of USACE and RWQCB pursuant to the CWA (Attachment G). However, those features would still be subject to RWQCB jurisdiction pursuant to the Porter-Cologne Water Quality Control Act. Table 5 presents the HU/HA in which the Project is located, the potential jurisdictional determination, and if a determination has been made by the USACE on ephemeral drainages or dry lakes.

Table 5. USACE Jurisdictional Determinations within the Project Vicinity

Hydrologic Region / Watershed HU	Sub-watershed Basin	Flows to	JD	NJD	Comments
South Lahontan/Ivanpah	Ivanpah Valley	Ivanpah Dry Lake		X	USACE determination for Ivanpah lake-SPL-2011-01051
South Lahontan/Amargosa	Upper and Lower Kingston Valley	Silurian Valley, Kingston Wash, Amargosa River	X		
South Lahontan/Mojave	Lower Mojave River	Mojave River	X		
	Middle Mojave River	Mojave River	X		
	Afton (Cave Canyon)	Mojave River	X		
	Baker (Cronese Valley)	Cronese Lake		X	USACE determination for Cronese, Silver, and Soda Lake: SPL-2010-01042
	Silver Lake	Silver Lake		X	
	Soda Lake	Soda Lake		X	
	Lockhart (Harper Valley)	Harper Dry Lake		X	USACE determinations for Harper Dry Lake: SPL-2010-01042, SPL-2007-01449

Hydrologic Region / Watershed HU	Sub-watershed Basin	Flows to	JD	NJD	Comments
South Lahontan/Antelope	Antelope	Koehn Dry Lake		X	USACE determination for Koehn Dry Lake: SPL-2013-00162, SPL-2012-00698
South Lahontan/Cuddeback	Cuddeback	Cuddeback Dry Lake		X	USACE determination for Cuddeback Dry Lake: SPL-2013-00162, SPL-2012-00698
South Lahontan/Fremont	Koehn (Fremont)	Rogers Dry Lake		X	USACE determination for Rogers Dry Lake: SPL-2013-00162, SPL-2012-00698, SPL 2013-00459
South Lahontan/Indian Wells	China Lake (Indian Wells)	China Lake		X	Potential NJD

7.2 California Fish and Game Code1602

The drainages within the study area subject to California Fish and Game Code 1602 are ephemeral washes of the Mojave Desert, and are characterized as single or compound channels. The drainages traverse upland desert habitats and generally lack vegetation or have upland desert vegetation within the channels. In general, because of the lack of riparian habitat, the top of bank was the farthest extent of CDFW jurisdiction for each feature.

8 CONCLUSION

Within the Project alignment, there are approximately 179 acres (7,784,172 square feet) of other waters under CWA jurisdiction 404 and 401. Approximately 270 acres (11,778,624 square feet) of features under CDFW 1602 jurisdiction were identified within the Project alignment. No jurisdictional wetlands were identified. Table 6 summarizes the area of jurisdiction within the Project alignment. Implementation of the Project may require permits and authorizations from USACE, RWQCB or CDFW depending on the potential for temporary or permanent impacts on jurisdictional features.

Table 6. CWA 404 and 401 and CDFW 1602 Results

Jurisdiction	Acres	Square Feet	Linear Feet
CWA 404/401 Wetlands	0	0	
CWA 404/401 Other Waters	179	7,784,172	667,901
CDFW 1602	270	11,778,624	667,901

9 REFERENCES

Barbour, M.G., T. Keeler-Wolf, and A. A. Schoenerr (eds). 2007. Terrestrial Vegetation of California. Third Edition. University of California Press. Berkeley, CA.

Blazevic, M., W.R. Laton, and J. Foster J. (n.d.). Hydrogeological Investigation of a Closed Alluvial basin Lucerne Valley, San Bernardino County, California. California State University, Fullerton, Department of Geological Sciences.

California Department of Fish and Wildlife (CDFW). 2018. Vegetation Classification and Mapping Program – Natural Communities. https://www.wildlife.ca.gov/Data/VegCAMP/Natural-Communities#natural%20communities%20lists

California Native Plant Society (CNPS). 2018. A Manual of California Vegetation Online. http://vegetation.cnps.org/

California Regional Water Quality Control Board (RWQCB). 1995. Water Quality Control Plan for the Lahontan Region North and South Basins, State Water Resources Control Board Lahontan Region.

Lichvar, R.W., D.L. Banks, W.N. Kirchner, and N.C. Melvin. 2016. The National Wetland Plant List: 2016 wetland ratings. Phytoneuron 2016-30: 1-17. Published 28 April 2016. ISSN 2153 733X.

Natural Resource Conservation Service (NRCS). Web Soil Survey. https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx. Accessed May 2017.

NRCS. 2014. National List of Hydric Soils. http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/. Accessed May 2017.

National Weather Service (NWS). 2017. National Oceanic and Atmospheric Administration, United States Department of Commerce. https://www.weather.gov/

Sawyer, Keeler-Wolf, and Evens. 2009. A Manual of California Vegetation, Second Edition. California Native Plant Society, Sacramento, CA.

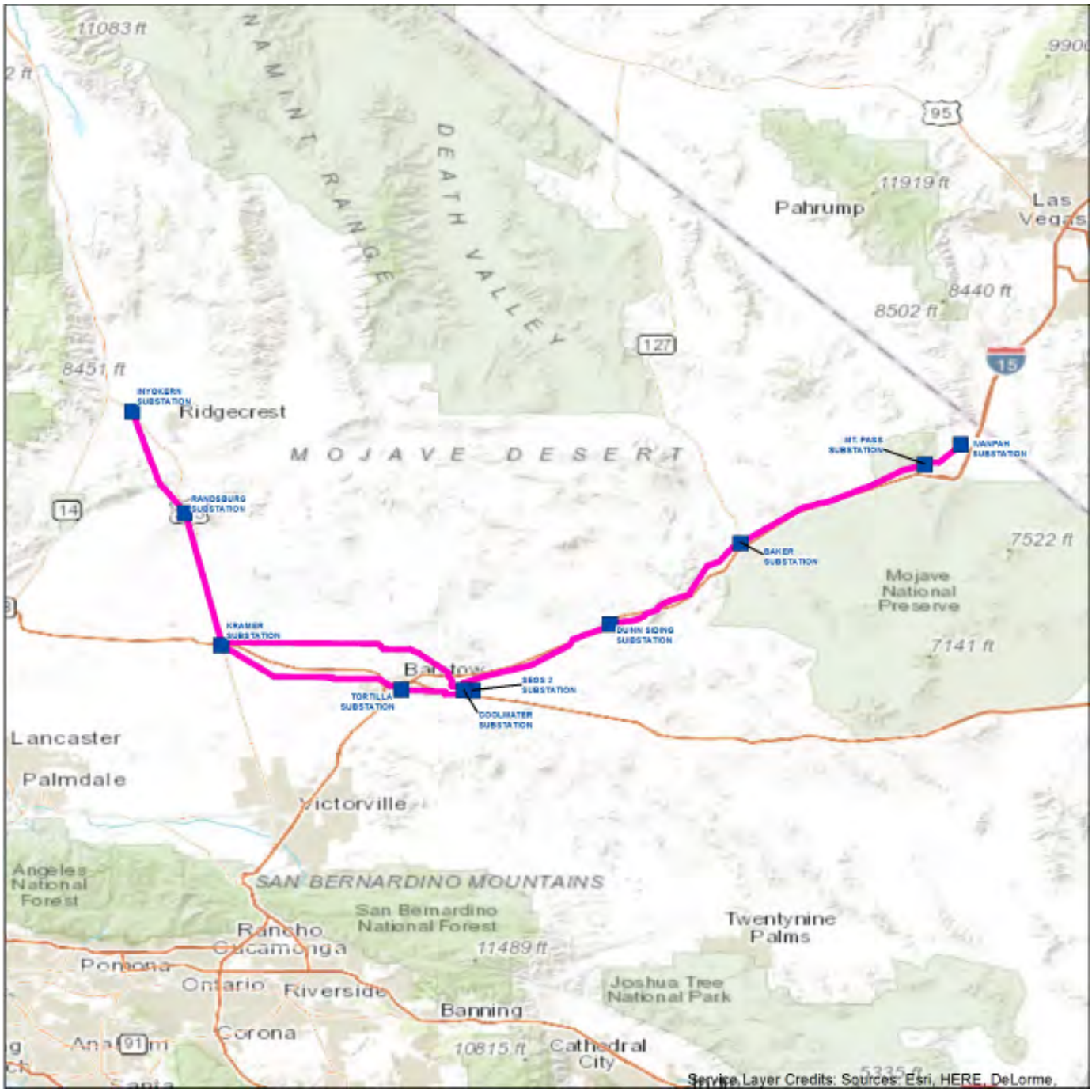
U.S. Army Corps of Engineers (USACE). 1987. Corps of Engineers Wetlands Delineation Manual. Wetlands Research Program Technical Report Y-87-1. Department of the Army, Vicksburg, VA. U.S. Army Waterways Experiment Station. Hickman. J.C. [ed.].

USACE. 2008. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0). J.S. Wakeley, R.W. Lichvar, and C.V. Noble [eds.]. ERDC/EL TR-06016. Vicksburg, MS. U.S. Army Engineer Research and Development Center.

USACE. 2010. Field Guide to the identification of the Ordinary High Water Mark (OHWM) In the Arid West Region of the U.S. A Delineation Manual. R.W. Lichvar and S.M. McColley. ERDC/CRREL. TR-08-12. Cole Regions Research and Engineering Laboratory. Hanover, NH U.S. Army Engineer Research and Development Center.

ATTACHMENT A

Project Location Map



Legend

ICKI Alignment

County

ATTACHMENT A

PROJECT LOCATION MAP

ARCADIS

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

ATTACHMENT B

Hydrology Map

Legend

- ICKI Project Alignment
- County
- Watersheds - HUC08
- Substation

Flood Zone Subtype

- 0.2% Annual Chance Flood Hazard
- Area of Minimal Flood Hazard

0 32

Miles

NOTES:
(1) Watersheds source:
https://services.arcgis.com/jDGuO8tYggdCCnUJ/arcgis/rest/services/CA_Watersheds_-_HUC08/FeatureServer
(2) National Flood Hazard Layer (NFHL) source:
https://https://www.floodmaps.fema.gov/NFHL/status.shtml

TLRR ICKI Project Alignment

IVANPAH-COOLWATER-KRAMER-INYOKERN WATERSHEDS AND FLOODPLAINS

ARCADIS | SOUTHERN CALIFORNIA EDISON

FIGURE B

City: Div/Group: Created By: Last Saved By: MGI01044
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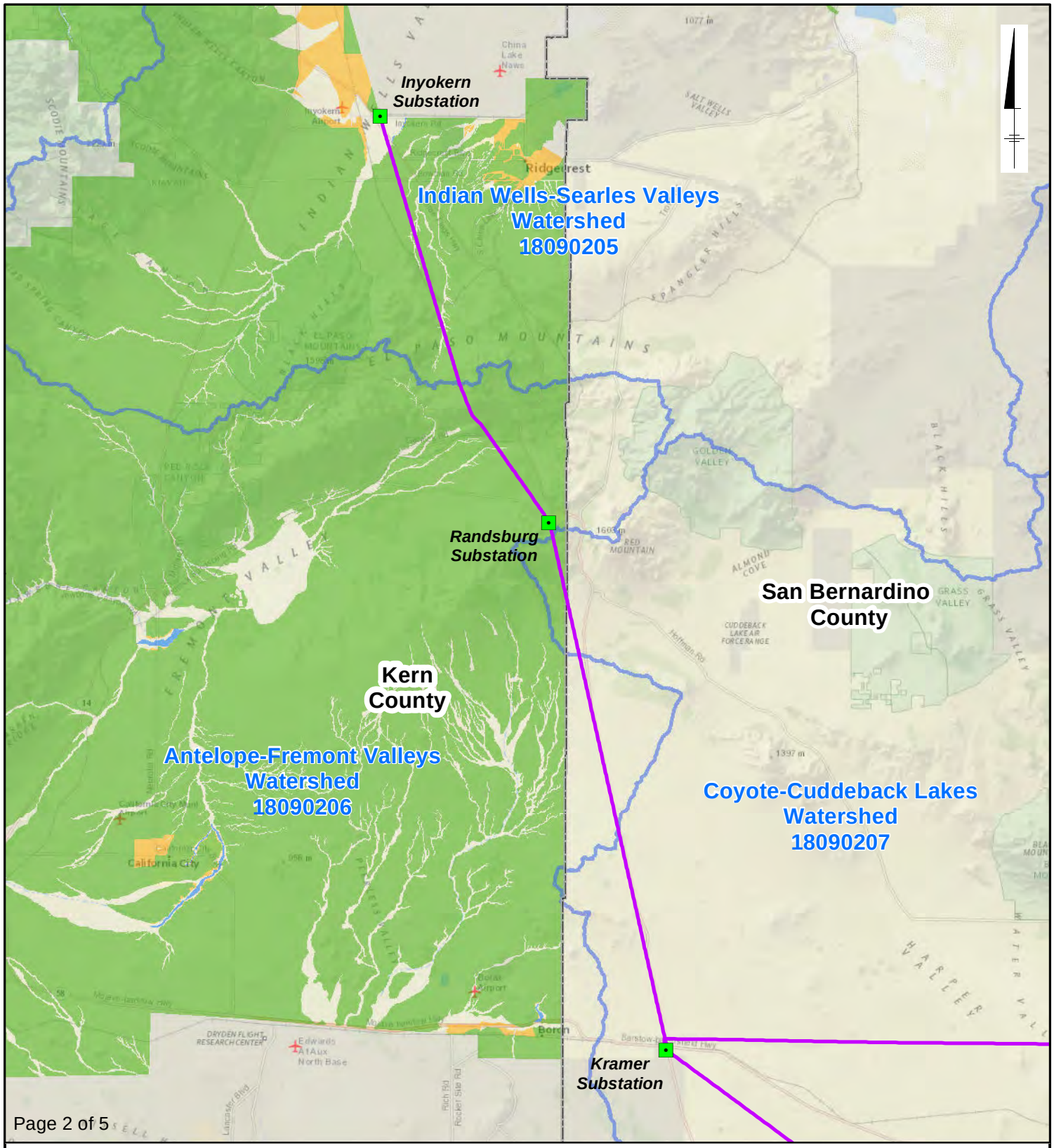

Legend

- ICKI Project Alignment
- County
- Watersheds - HUC08
- Substation

Flood Zone Subtype

- 0.2% Annual Chance Flood Hazard
- Area of Minimal Flood Hazard

0 10

Miles

NOTES:
(1) Watersheds source:
https://services.arcgis.com/jDGuO8tYggdCCnUJ/arcgis/rest/services/CA_Watersheds_-_HUC08/FeatureServer
(2) National Flood Hazard Layer (NFHL) source:
https://https://www.floodmaps.fema.gov/NFHL/status.shtml

TLRR ICKI Project Alignment

IVANPAH-COOLWATER-KRAMER-INYOKERN WATERSHEDS AND FLOODPLAINS

ARCADIS | SOUTHERN CALIFORNIA EDISON

FIGURE B

City: Div/Group: Created By: Last Saved By: MGI01044
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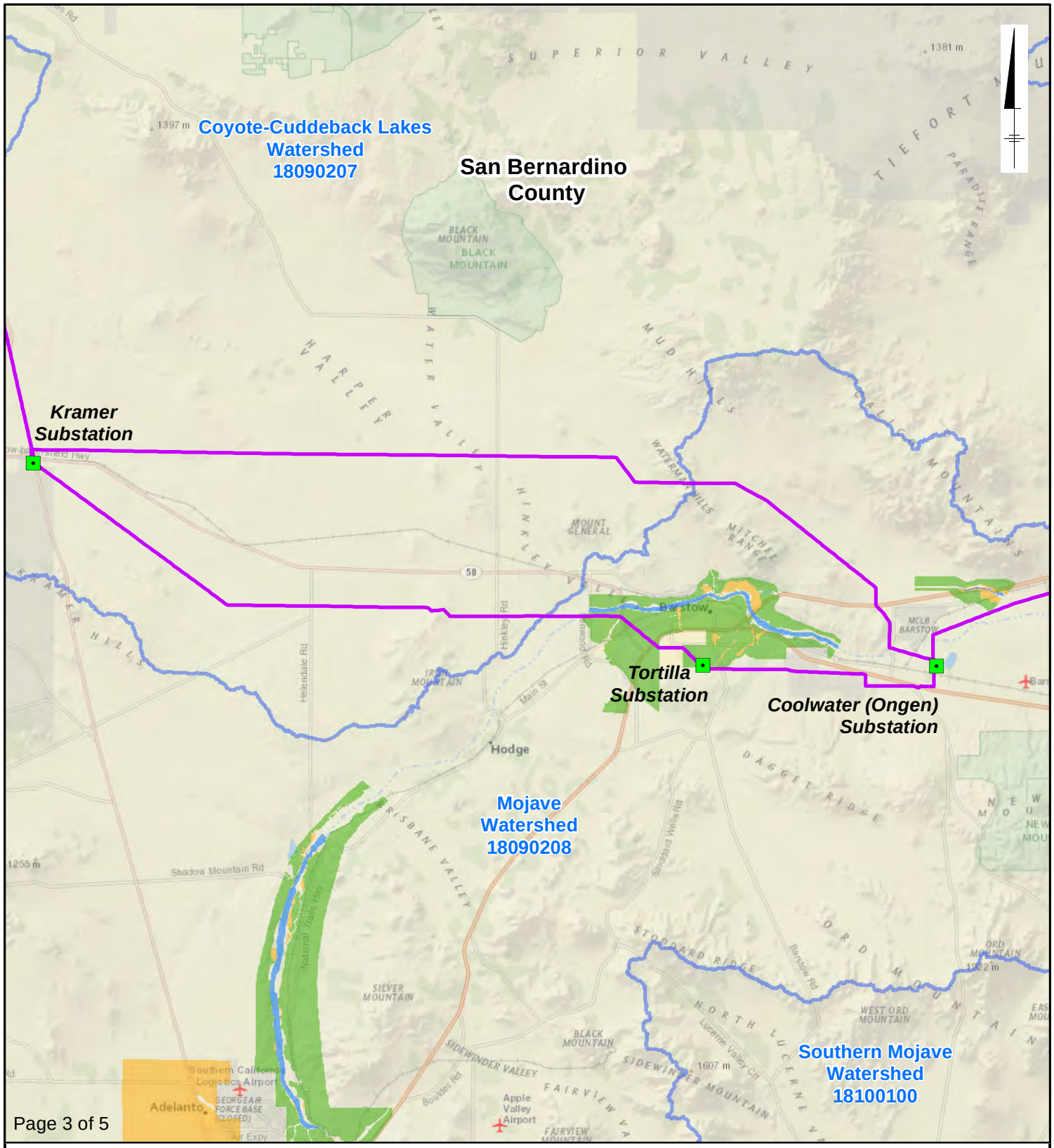

Legend

- ICKI Project Alignment
- County
- Watersheds - HUC08
- Substation

Flood Zone Subtype

- 0.2% Annual Chance Flood Hazard
- Area of Minimal Flood Hazard

0 8

Miles

NOTES:
(1) Watersheds source:
https://services.arcgis.com/jDGuO8tYggdCCnUJ/arcgis/rest/services/CA_Watersheds_-_HUC08/FeatureServer
(2) National Flood Hazard Layer (NFHL) source:
https://https://www.floodmaps.fema.gov/NFHL/status.shtml

TLRR ICKI Project Alignment

IVANPAH-COOLWATER-KRAMER-INYOKERN WATERSHEDS AND FLOODPLAINS

ARCADIS | SOUTHERN CALIFORNIA EDISON

FIGURE **B**

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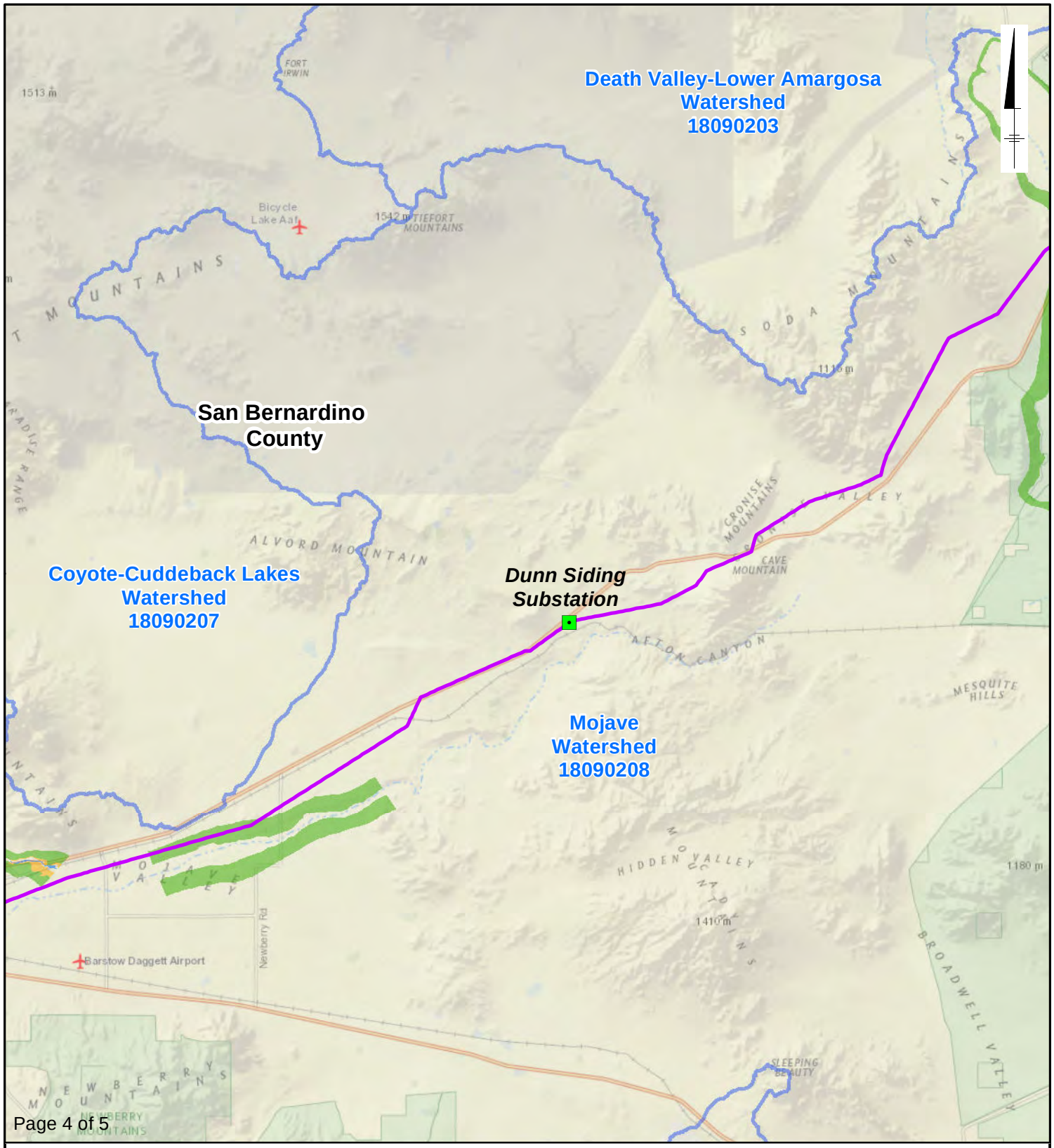

Legend

- ICKI Project Alignment
- County
- Watersheds - HUC08
- Substation

Flood Zone Subtype

- 0.2% Annual Chance Flood Hazard
- Area of Minimal Flood Hazard

0 8

Miles

NOTES:
(1) Watersheds source:
https://services.arcgis.com/jDGuO8tYggdCCnUJ/arcgis/rest/services/CA_Watersheds_-_HUC08/FeatureServer
(2) National Flood Hazard Layer (NFHL) source:
https://https://www.floodmaps.fema.gov/NFHL/status.shtml

TLRR ICKI
Project Alignment

IVANPAH-COOLWATER-KRAMER-INYOKERN WATERSHEDS AND FLOODPLAINS

ARCADIS | SOUTHERN CALIFORNIA EDISON

FIGURE
B

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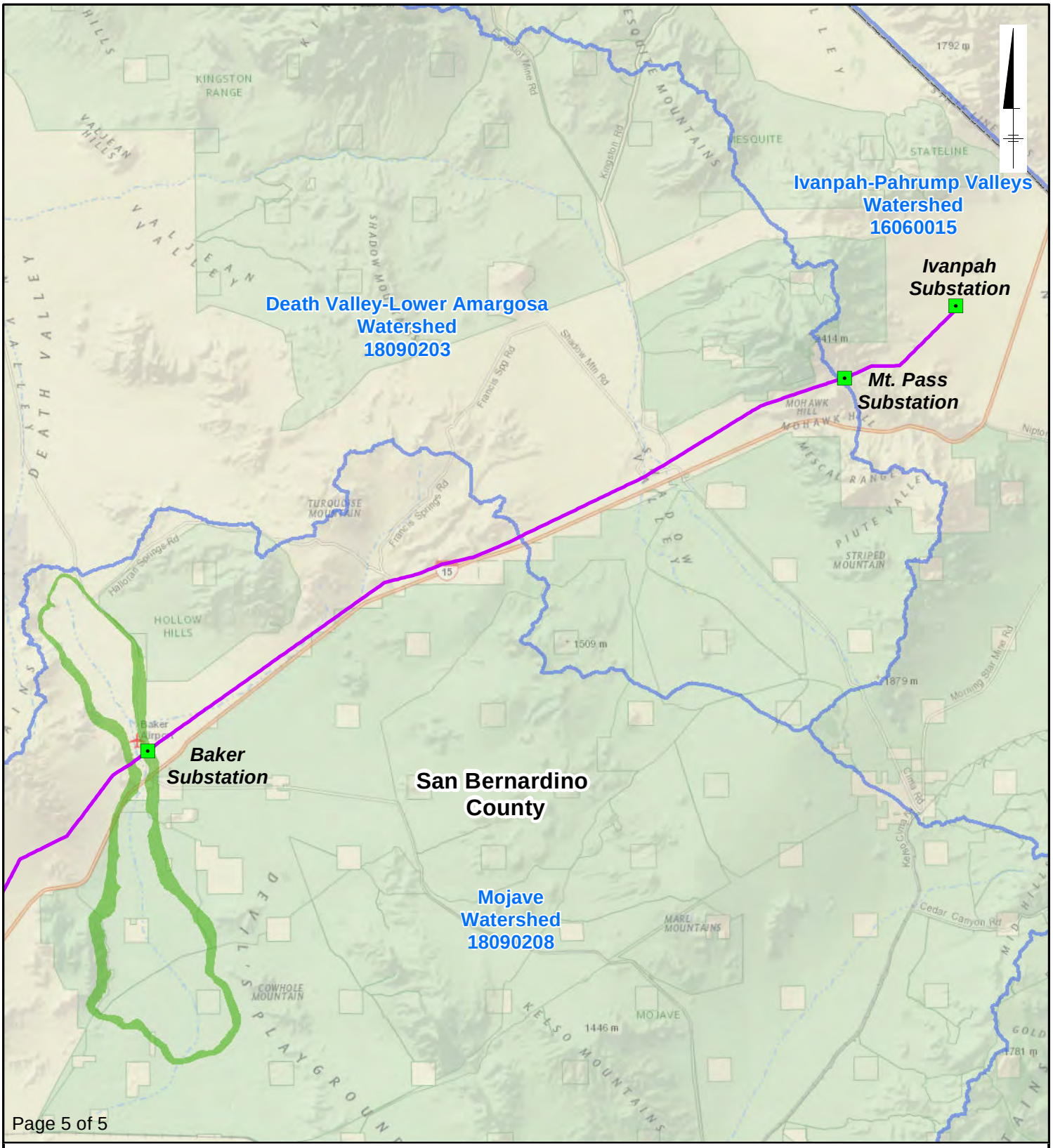

Page 5 of 5

Legend

- ICKI Project Alignment
- County
- Watersheds - HUC08
- Substation

Flood Zone Subtype

- 0.2% Annual Chance Flood Hazard
- Area of Minimal Flood Hazard

0 8

Miles

NOTES:
(1) Watersheds source:
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(2) National Flood Hazard Layer (NFHL) source:
https://https://www.floodmaps.fema.gov/NFHL/status.shtml

TLRR ICKI Project Alignment

IVANPAH-COOLWATER-KRAMER-INYOKERN WATERSHEDS AND FLOODPLAINS

ARCADIS | SOUTHERN CALIFORNIA EDISON

FIGURE B

City: Div/Group: Created By: Last Saved By: MGI01044
Project (Project #)
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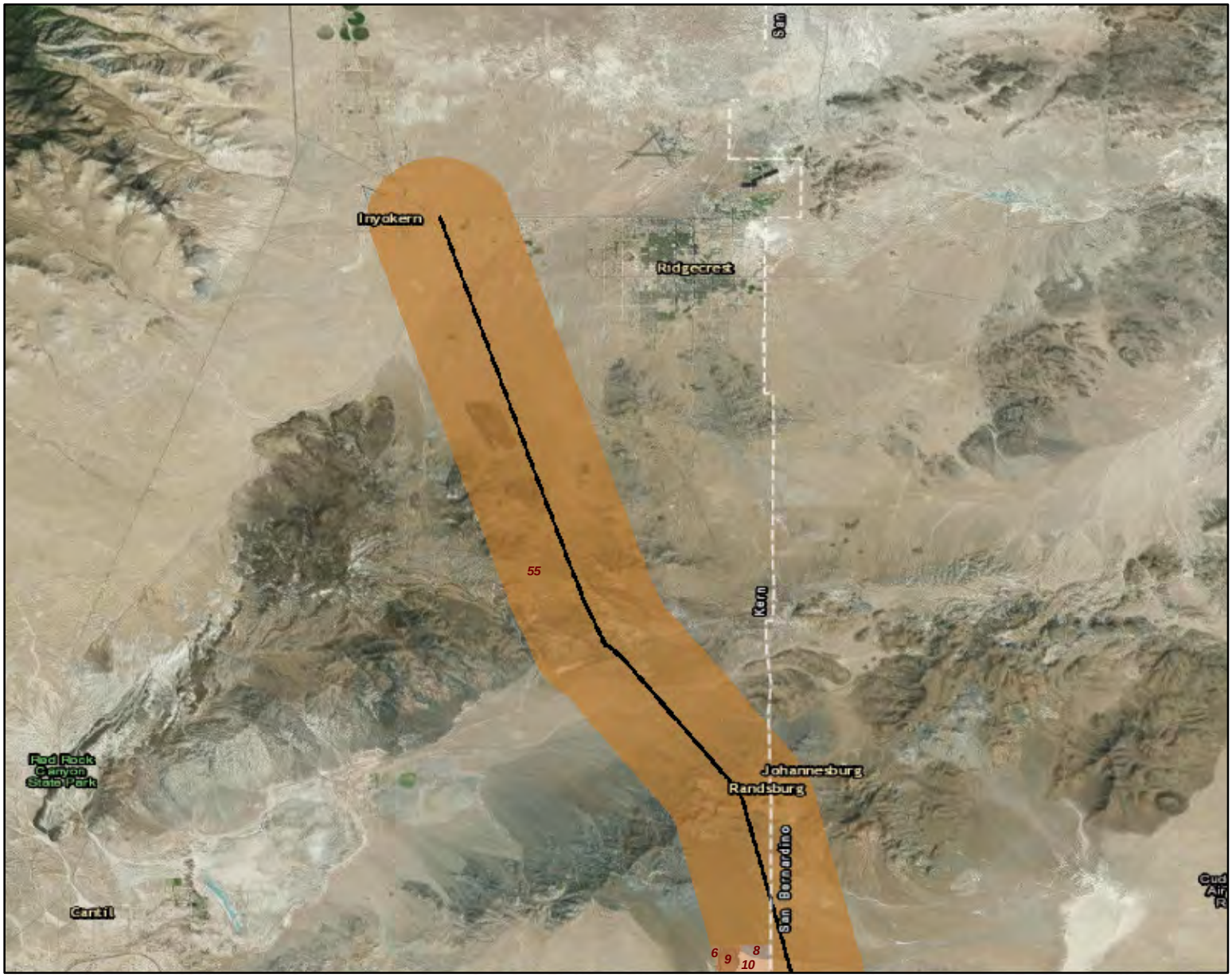
ATTACHMENT C

Soils Map



Project Alignment

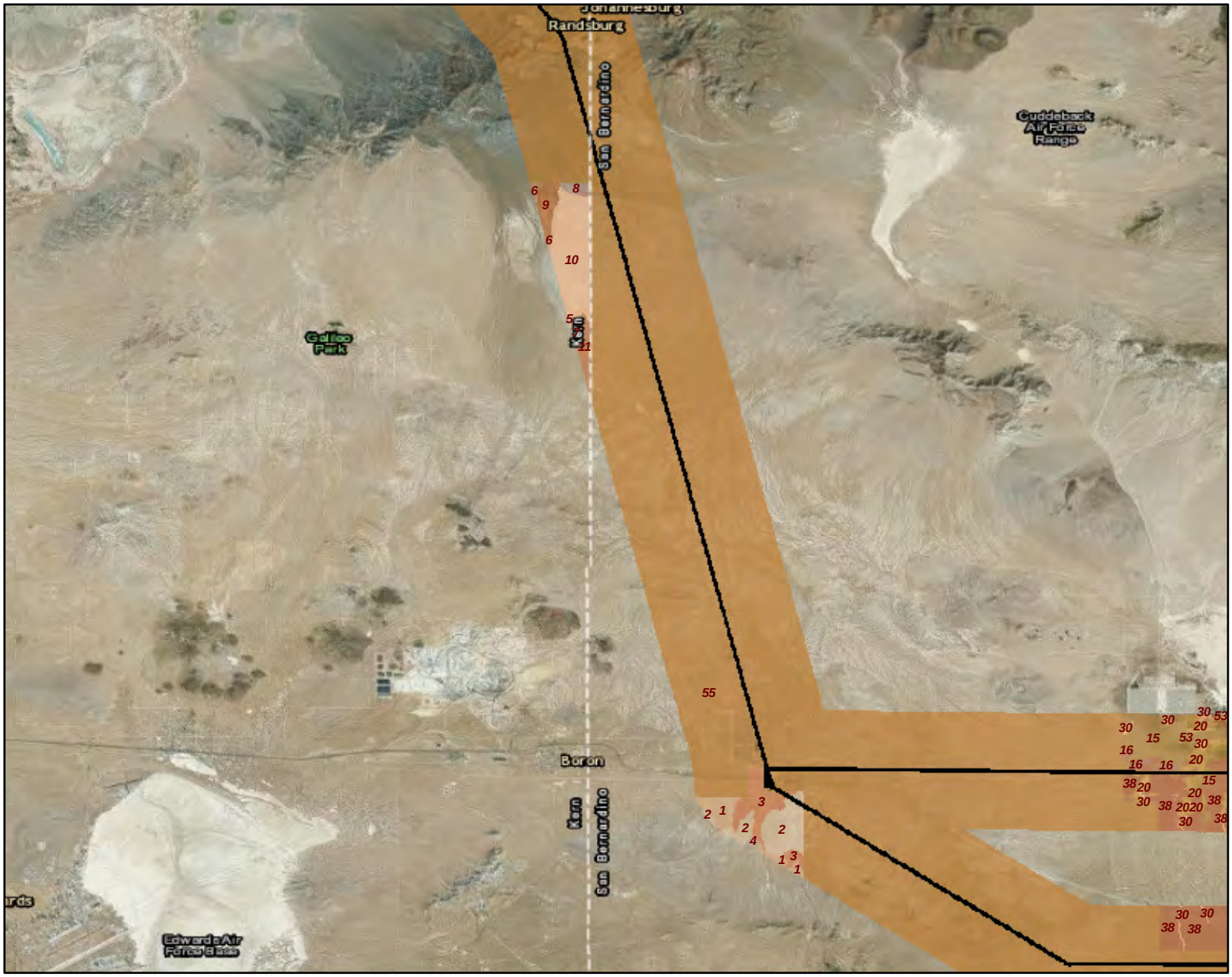
NRCS SSURGO Soils

- 6:ARIZO GRAVELLY LOAMY SAND, 2 TO 9 PERCENT SLOPES
- 8:GARLOCK LOAMY SAND, 2 TO 9 PERCENT SLOPES
- 9:MUROC SANDY LOAM, 2 TO 9 PERCENT SLOPES
- 10:MUROC-RANDSBURG SANDY LOAMS, 5 TO 9 PERCENT SLOPES
- 55:NOT COMPLETED

ARCADIS

0 2 4 8 Miles

N



Project Alignment

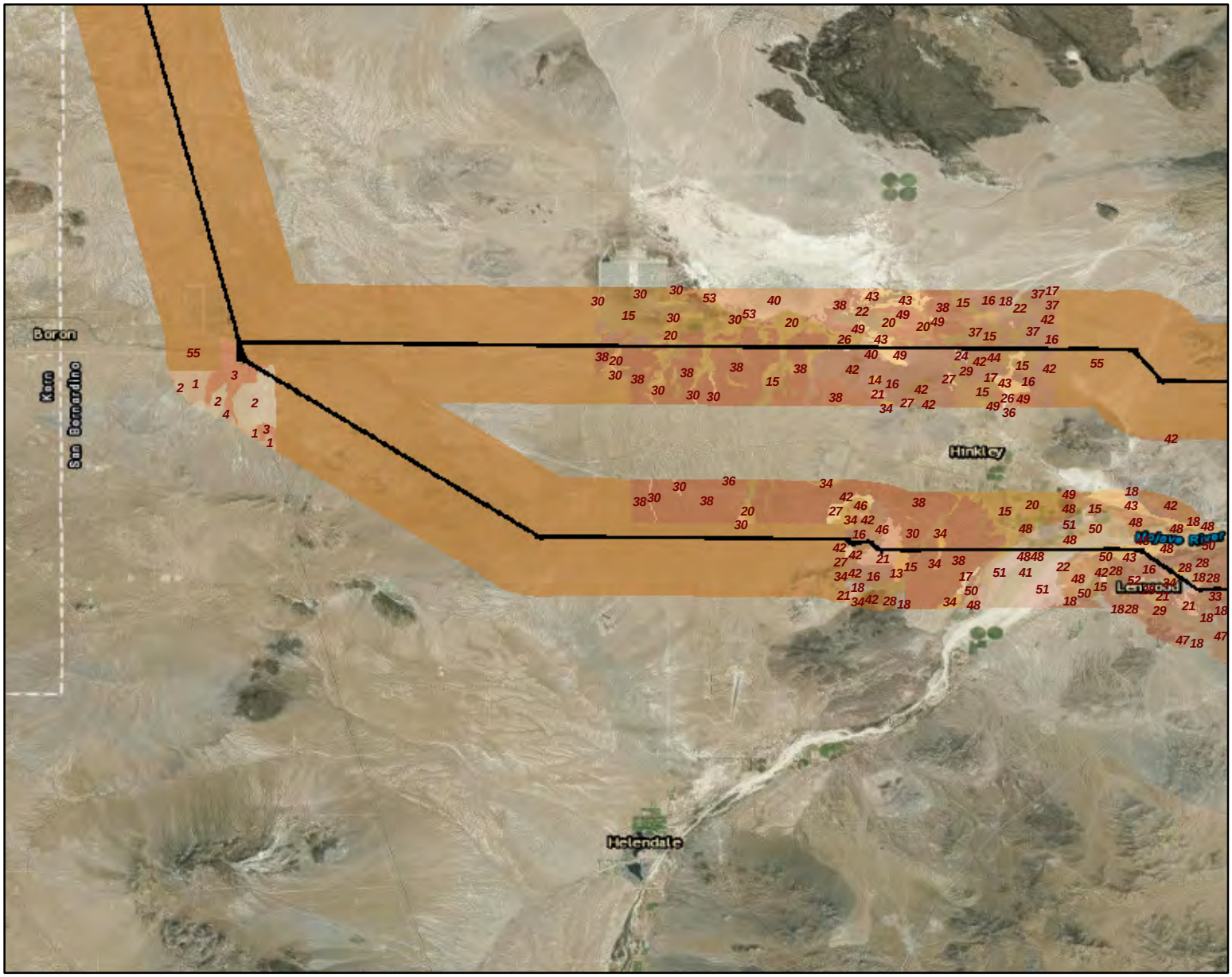
NRCS SSURGO Soils

- 1:CAJON-NOROB COMPLEX,2 TO 9 PERCENT SLOPES
- 2:LAVIC-NOROB COMPLEX, 2 TO 9 PERCENT CLOPES
- 3:NOROB SANDY LOAM. 2 TO 5 PERCENT SLOPES
- 4:SPARKHULE GRAVELLY SANDY LOAM, 5 TO 15 PERCENT SLOPES
- 5:ALKO-NEURALIA SANDY LOAMS, 0 TO 9 PERCENT SLOPES
- 6:ARIZO GRAVELLY LOAMY SAND, 2 TO 9 PERCENT SLOPES
- 7:CAJON LOAMY SAND, 0 TO 5 PERCENT SLOPES
- 8:GARLOCK LOAMY SAND, 2 TO 9 PERCENT SLOPES
- 9:MUROC SANDY LOAM, 2 TO 9 PERCENT SLOPES
- 10:MUROC-RANDSBURG SANDY LOAMS, 5 TO 9 PERCENT SLOPES
- 11:EURALIA SANDY LOAM, 2 TO 5 PERCENT SLOPES
- 15:CAJON SAND, 0 TO 2 PERCENT SLOPES
- 16:CAJON SAND, 2 TO 9 PERCENT SLOPES
- 20:CAJON LOAMY SAND, LOAMY SUBSTRATUM, 0 TO 2 PERCENT SLOPES
- 30:KIMBERLINA LOAMY FINE SAND, COOL, 0 TO 2 PERCENT SLOPES
- 38:NOROB-HALLORAN COMPLEX, 0 TO 5 PERCENT SLOPES
- 40:PLAYAS
- 53:WATER
- 55:NOT COMPLETED

ARCADIS

0 2 4 8 Miles

N



Project Alignment

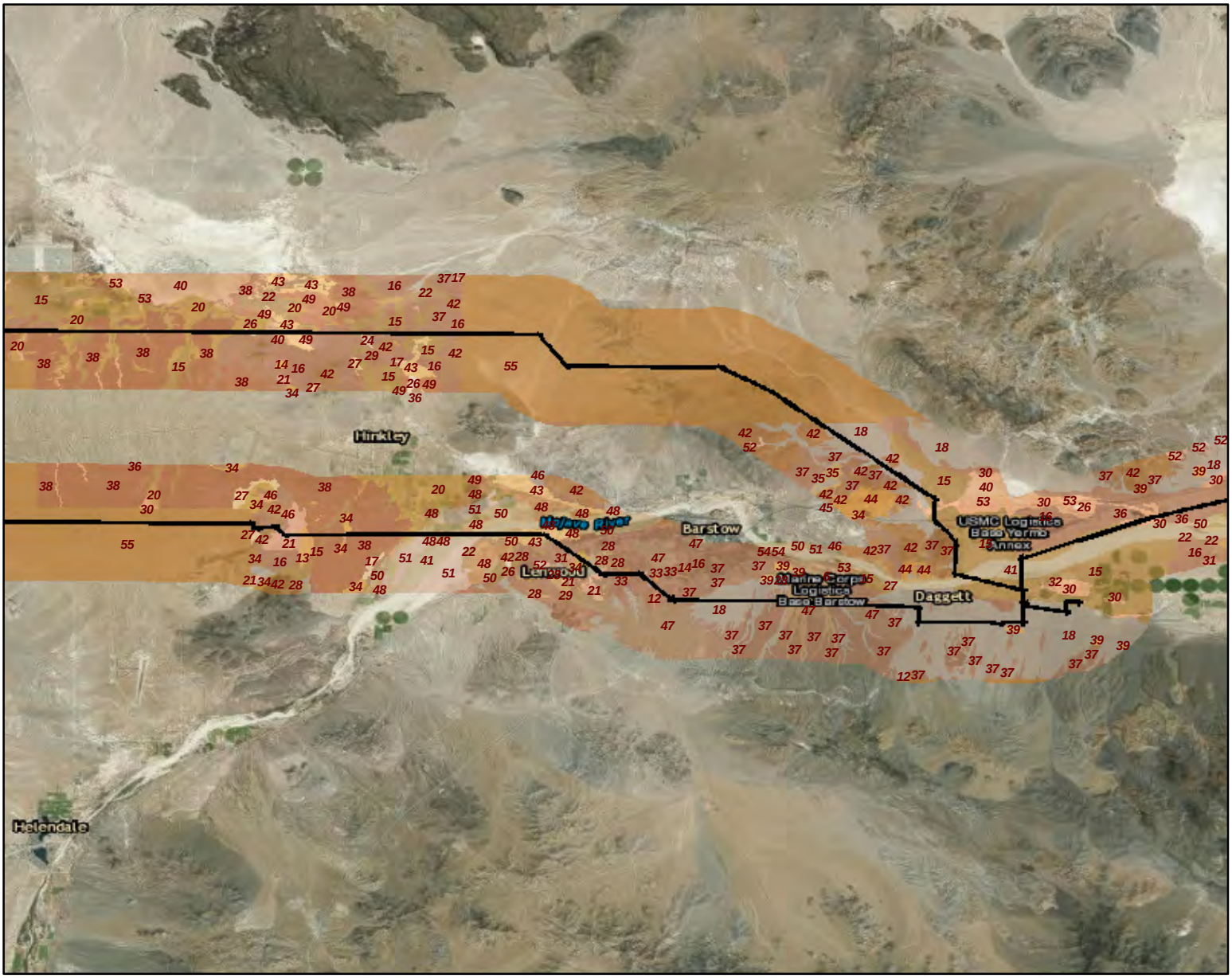
NRCS SSURGO Soils

- 1:CAJON-NOROB COMPLEX,2 TO 9 PERCENT SLOPES
- 2:LAVIC-NOROB COMPLEX, 2 TO 9 PERCENT CLOPES
- 3:NOROB SANDY LOAM. 2 TO 5 PERCENT SLOPES
- 4:SPARKHULE GRAVELLY SANDY LOAM, 5 TO 15 PERCENT SLOPES
- 13:BRYMAN LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES
- 14:BRYMAN LOAMY FINE SAND, 2 TO 5 PERCENT SLOPES
- 15:CAJON SAND, 0 TO 2 PERCENT SLOPES
- 16:CAJON SAND, 2 TO 9 PERCENT SLOPES
- 17:CAJON SAND, 9 TO 15 PERCENT SLOPES
- 18:CAJON GRAVELLY SAND, 2 TO 15 PERCENT SLOPES
- 20:CAJON LOAMY SAND, LOAMY SUBSTRATUM, 0 TO 2 PERCENT SLOPES
- 21:CAVE LOAM, DRY, 0 TO 2 PERCENT SLOPES
- 22:DUNE LAND
- 24:HALLORAN SANDY LOAM
- 26:HELENDALE LOAMY SAND, 0 TO 2 PERCENT SLOPES
- 27:HELENDALE LOAMY SAND, 2 TO 5 PERCENT SLOPES
- 28:JOSHUA LOAM, 2 TO 5 PERCENT SLOPES
- 29:JOSHUA LOAM, 9 TO 15 PERCENT SLOPES
- 30:KIMBERLINA LOAMY FINE SAND, COOL, 0 TO 2 PERCENT SLOPES
- 31:KIMBERLINA LOAMY FINE SAND, COOL, 2 TO 5 PERCENT SLOPES
- 33:LAVIC LOAMY FINE SAND
- 34:LOVELACE LOAMY SAND, 5 TO 9 PERCENT SLOPES
- 36:MOHAVE VARIANT LOAMY SAND, 0 TO 2 PERCENT SLOPES
- 37:NEBONA-CUDDEBACK COMPLEX, 2 TO 9 PERCENT SLOPES
- 38:NOROB-HALLORAN COMPLEX, 0 TO 5 PERCENT SLOPES
- 40:PLAYAS
- 41:RIVERWASH
- 42:ROCK OUTCROP-LITHIC TORRIORTHENTS COMPLEX, 15 TO 50% SLOPES
- 43:ROSAMOND LOAM, SALINE-ALKALI
- 44:SPARKHULE-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES
- 46:TRIGGER-ROCK OUTCROP COMPLEX, 30 TO 50 PERCENT SLOPES
- 47:TYPIC HAPLARGIDS-YERMO COMPLEX, 8 TO 30 PERCENT SLOPES
- 48:VICTORVILLE SANDY LOAM
- 49:VICTORVILLE VARIANT SAND
- 50:VILLA LOAMY SAND
- 51:VILLA LOAMY SAND, HUMMOCKY
- 52:YERMO-KIMBERLINA, COOL, ASSOCIATION, SLOPING
- 53:WATER
- 55:NOT COMPLETED

ARCADIS

0 2 4 8 Miles

N



Project Alignment

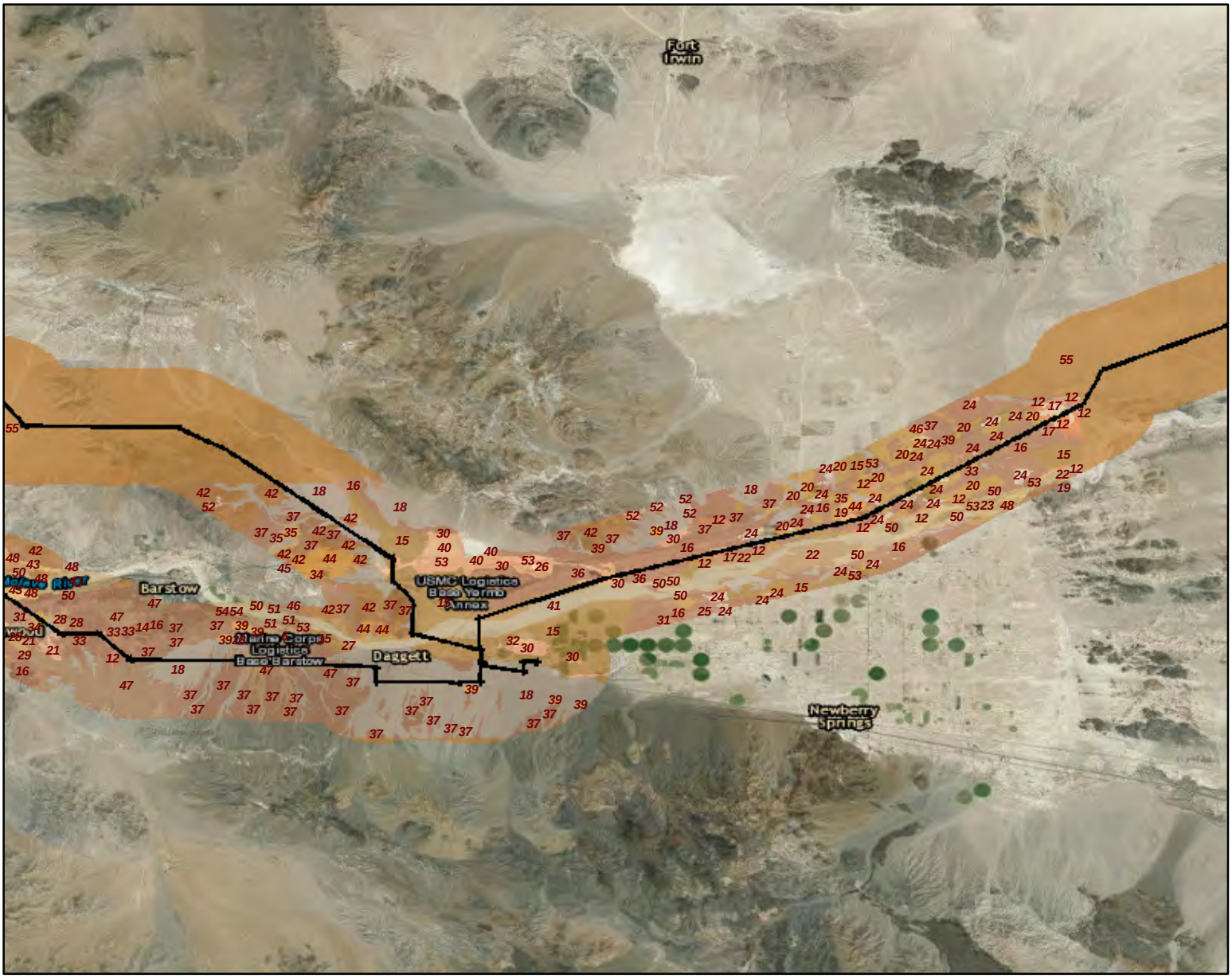
NRCS SSURGO Soils

- 6:ARIZO GRAVELLY LOAMY SAND, 2 TO 9 PERCENT SLOPES
- 12:BADLAND
- 13:BRYMAN LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES
- 14:BRYMAN LOAMY FINE SAND, 2 TO 5 PERCENT SLOPES
- 15:CAJON SAND, 0 TO 2 PERCENT SLOPES
- 16:CAJON SAND, 2 TO 9 PERCENT SLOPES
- 17:CAJON SAND, 9 TO 15 PERCENT SLOPES
- 18:CAJON GRAVELLY SAND, 2 TO 15 PERCENT SLOPES
- 20:CAJON LOAMY SAND, LOAMY SUBSTRATUM, 0 TO 2 PERCENT SLOPES
- 21:CAVE LOAM, DRY, 0 TO 2 PERCENT SLOPES
- 22:DUNE LAND
- 24:HALLORAN SANDY LOAM
- 25:HALLORAN-DUNELAND COMPLEX, 0 TO 15 PERCENT SLOPES
- 26:HELENDALE LOAMY SAND, 0 TO 2 PERCENT SLOPES
- 27:HELENDALE LOAMY SAND, 2 TO 5 PERCENT SLOPES
- 28:JOSHUA LOAM, 2 TO 5 PERCENT SLOPES
- 29:JOSHUA LOAM, 9 TO 15 PERCENT SLOPES
- 30:KIMBERLINA LOAMY FINE SAND, COOL, 0 TO 2 PERCENT SLOPES
- 31:KIMBERLINA LOAMY FINE SAND, COOL, 2 TO 5 PERCENT SLOPES
- 32:KIMBERLINA GRAVELLY SANDY LOAM, COOL, 2 TO 5 PERCENT SLOPES
- 33:LAVIC LOAMY FINE SAND
- 34:LOVELACE LOAMY SAND, 5 TO 9 PERCENT SLOPES
- 35:MIRAGE SANDY LOAM, 2 TO 5 PERCENT SLOPES
- 36:MOHAVE VARIANT LOAMY SAND, 0 TO 2 PERCENT SLOPES
- 37:NEBONA-CUDDEBACK COMPLEX, 2 TO 9 PERCENT SLOPES
- 38:NOROB-HALLORAN COMPLEX, 0 TO 5 PERCENT SLOPES
- 39:PITS
- 40:PLAYAS
- 41:RIVERWASH
- 42:ROCK OUTCROP-LITHIC TORRIORTHENTS COMPLEX, 15 TO 50% SLOPES
- 43:ROSAMOND LOAM, SALINE-ALKALI
- 44:SPARKHULE-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES
- 45:TRIGGER GRAVELLY LOAM, 5 TO 15 PERCENT SLOPES
- 46:TRIGGER-ROCK OUTCROP COMPLEX, 30 TO 50 PERCENT SLOPES
- 47:TYPIC HAPLARGIDS-YERMO COMPLEX, 8 TO 30 PERCENT SLOPES
- 48:VICTORVILLE SANDY LOAM
- 49:VICTORVILLE VARIANT SAND
- 50:VILLA LOAMY SAND
- 51:VILLA LOAMY SAND, HUMMOCKY
- 52:YERMO-KIMBERLINA, COOL, ASSOCIATION, SLOPING
- 53:WATER
- 54:MISCELLANEOUS WATER
- 55:NOT COMPLETED

ARCADIS

0 2 4 8 Miles

N



Project Alignment

NRCS SSURGO Soils

- 6:ARIZO GRAVELLY LOAMY SAND, 2 TO 9 PERCENT SLOPES
- 12:BADLAND
- 14:BRYMAN LOAMY FINE SAND, 2 TO 5 PERCENT SLOPES
- 15:CAJON SAND, 0 TO 2 PERCENT SLOPES
- 16:CAJON SAND, 2 TO 9 PERCENT SLOPES
- 17:CAJON SAND, 9 TO 15 PERCENT SLOPES
- 18:CAJON GRAVELLY SAND, 2 TO 15 PERCENT SLOPES
- 19:CAJON LOAMY SAND, 5 TO 9 PERCENT SLOPES
- 20:CAJON LOAMY SAND, LOAMY SUBSTRATUM, 0 TO 2 PERCENT SLOPES
- 21:CAVE LOAM, DRY, 0 TO 2 PERCENT SLOPES
- 22:DUNE LAND
- 23:FLUVENTS, OCCASIONALLY FLOODED
- 24:HALLORAN SANDY LOAM
- 25:HALLORAN-DUNELAND COMPLEX, 0 TO 15 PERCENT SLOPES
- 26:HELENDALE LOAMY SAND, 0 TO 2 PERCENT SLOPES
- 27:HELENDALE LOAMY SAND, 2 TO 5 PERCENT SLOPES
- 28:JOSHUA LOAM, 2 TO 5 PERCENT SLOPES
- 29:JOSHUA LOAM, 9 TO 15 PERCENT SLOPES
- 30:KIMBERLINA LOAMY FINE SAND, COOL, 0 TO 2 PERCENT SLOPES
- 31:KIMBERLINA LOAMY FINE SAND, COOL, 2 TO 5 PERCENT SLOPES
- 32:KIMBERLINA GRAVELLY SANDY LOAM, COOL, 2 TO 5 PERCENT SLOPES
- 33:LAVIC LOAMY FINE SAND
- 34:LOVELACE LOAMY SAND, 5 TO 9 PERCENT SLOPES
- 35:MIRAGE SANDY LOAM, 2 TO 5 PERCENT SLOPES
- 36:MOHAVE VARIANT LOAMY SAND, 0 TO 2 PERCENT SLOPES
- 37:NEBONA-CUDDEBACK COMPLEX, 2 TO 9 PERCENT SLOPES
- 39:PITS
- 40:PLAYAS
- 41:RIVERWASH
- 42:ROCK OUTCROP-LITHIC TORRIORTHENTS COMPLEX, 15 TO 50% SLOPES
- 43:ROSAMOND LOAM, SALINE-ALKALI
- 44:SPARKHULE-ROCK OUTCROP COMPLEX, 15 TO 50 PERCENT SLOPES
- 45:TRIGGER GRAVELLY LOAM, 5 TO 15 PERCENT SLOPES
- 46:TRIGGER-ROCK OUTCROP COMPLEX, 30 TO 50 PERCENT SLOPES
- 47:TYPIC HAPLARGIDS-YERMO COMPLEX, 8 TO 30 PERCENT SLOPES
- 48:VICTORVILLE SANDY LOAM
- 50:VILLA LOAMY SAND
- 51:VILLA LOAMY SAND, HUMMOCKY
- 52:YERMO-KIMBERLINA, COOL, ASSOCIATION, SLOPING
- 53:WATER
- 54:MISCELLANEOUS WATER
- 55:NOT COMPLETED

ARCADIS

0 2 4 8 Miles

N

Project Alignment

NRCS SSURGO Soils

- 12:BADLAND
- 15:CAJON SAND, 0 TO 2 PERCENT SLOPES
- 16:CAJON SAND, 2 TO 9 PERCENT SLOPES
- 17:CAJON SAND, 9 TO 15 PERCENT SLOPES
- 18:CAJON GRAVELLY SAND, 2 TO 15 PERCENT SLOPES
- 19:CAJON LOAMY SAND, 5 TO 9 PERCENT SLOPES
- 20:CAJON LOAMY SAND, LOAMY SUBSTRATUM, 0 TO 2 PERCENT SLOPES
- 22:DUNE LAND
- 23:FLUVENTS, OCCASIONALLY FLOODED
- 24:HALLORAN SANDY LOAM
- 25:HALLORAN-DUNELAND COMPLEX, 0 TO 15 PERCENT SLOPES
- 30:KIMBERLINA LOAMY FINE SAND, COOL, 0 TO 2 PERCENT SLOPES
- 31:KIMBERLINA LOAMY FINE SAND, COOL, 2 TO 5 PERCENT SLOPES
- 33:LAVIC LOAMY FINE SAND
- 34:LOVELACE LOAMY SAND, 5 TO 9 PERCENT SLOPES
- 35:MIRAGE SANDY LOAM, 2 TO 5 PERCENT SLOPES
- 36:MOHAVE VARIANT LOAMY SAND, 0 TO 2 PERCENT SLOPES
- 37:NEBONA-CUDDEBACK COMPLEX, 2 TO 9 PERCENT SLOPES
- 39:PITS
- 41:RIVERWASH
- 42:ROCK OUTCROP-LITHIC TORRIORTHENTS COMPLEX, 15 TO 50% SLOPES
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- 45:TRIGGER GRAVELLY LOAM, 5 TO 15 PERCENT SLOPES
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- 48:VICTORVILLE SANDY LOAM
- 50:VILLA LOAMY SAND
- 52:YERMO-KIMBERLINA, COOL, ASSOCIATION, SLOPING
- 53:WATER
- 55:NOT COMPLETED

ARCADIS

0 2 4 8 Miles

N

Project Alignment

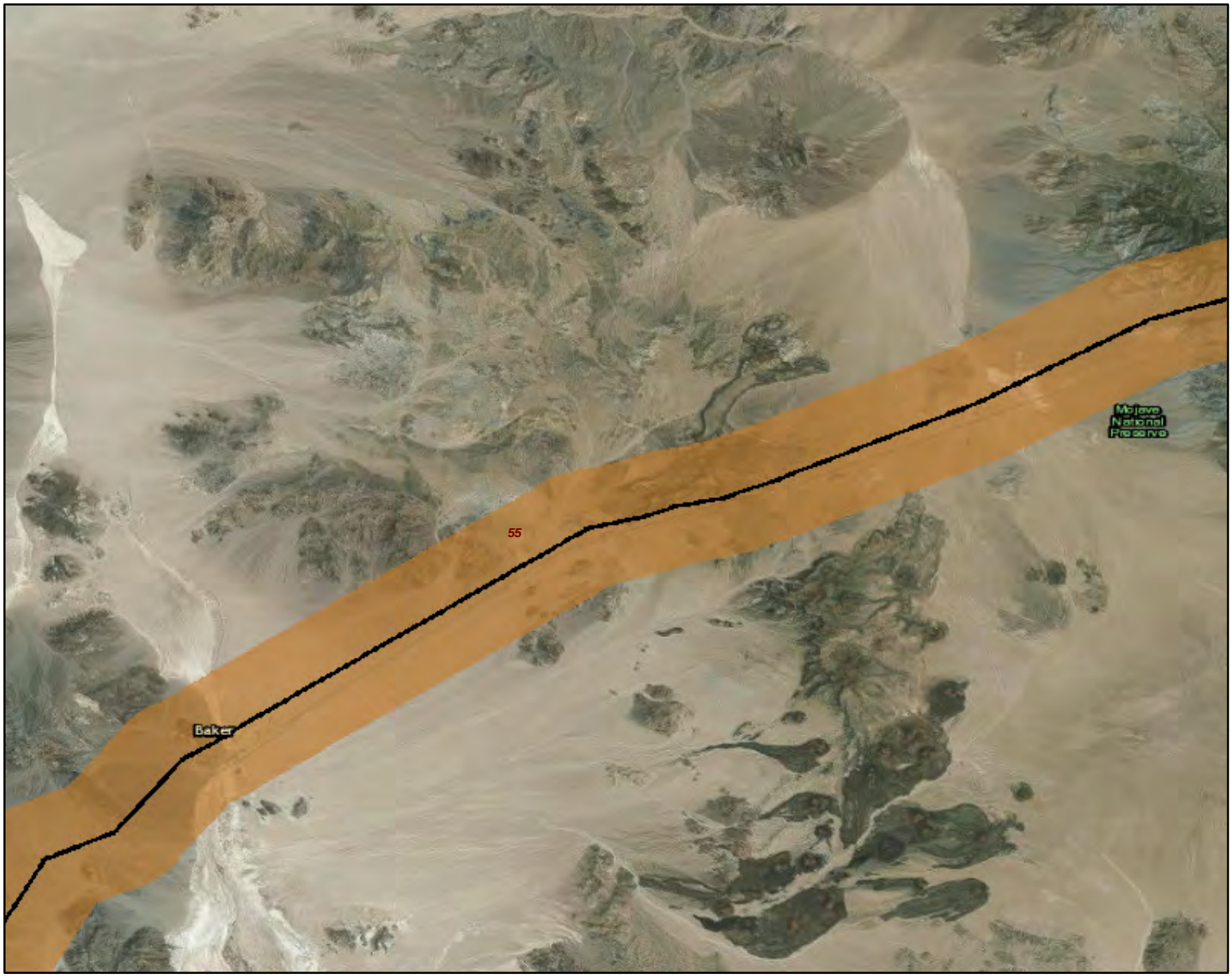
NRCS SSURGO Soils

55:NOT COMPLETED

ARCADIS

0 2 4 8 Miles

N



Project Alignment

NRCS SSURGO Soils

55:NOT COMPLETED

ARCADIS

0 2 4 8 Miles

N

Project Alignment

NRCS SSURGO Soils

- 55:NOT COMPLETED
- 56:COPPERWORLD ASSOCIATION, 30 TO 60 PERCENT SLOPES
- 57:ARIZO LOAMY SAND, 2 TO 8 PERCENT SLOPES
- 58:POPUPS SANDY LOAM, 2 TO 8 PERCENT SLOPES
- 59:COPPERWORLD-LITHIC USTIC HAPLARGIDS ASSOCIATION, 30 TO 60 PERCENT SLOPES
- 60:LITHIC USTIC HAPLARGIDS GRAVELLY SANDY LOAM, 30 TO 60 PERCENT SLOPES

ARCADIS

0 2 4 8 Miles

N

ATTACHMENT D

Field Data Forms

MS-7

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: SCE TLRR IVANPAH
Project Number: 3.1
Stream: Unnamed drainage
Investigator(s): Matt

Date: 2/24/17 **Time:** 1030
Town: INYOKERN **State:** CA
Photo begin file#: **Photo end file#:**

Y ☐ / N ☒ Do normal circumstances exist on the site?

Y ☒ / N ☐ Is the site significantly disturbed?

Location Details:
South of SR 395

Projection: LAT LONG **Datum:** NAD 83
Coordinates: 35.633236, -117.788842

Potential anthropogenic influences on the channel system:
several SCE Access Roads cross drainage, culverts installed upstream of SR 395, and OHV use

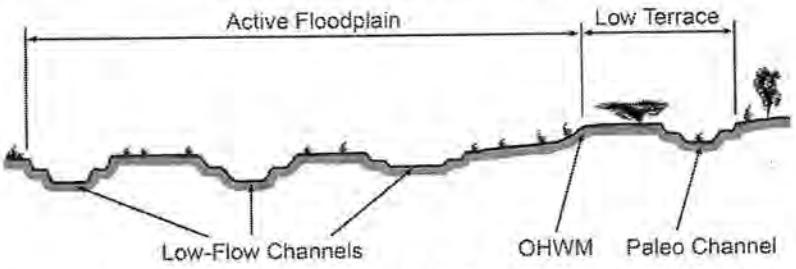
Brief site description:
Wide channel, single low flow channel, OHWM is adjacent to Low terrace and Paleo channel

Checklist of resources (if available):

- ☒ Aerial photography
  Dates:
- ☒ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies

- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

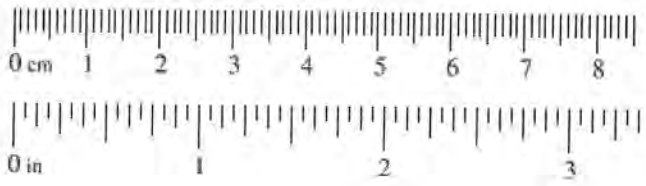


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☒ Mapping on aerial photograph
   - ☒ Digitized on computer
   - ☒ GPS
   - ☐ Other:

Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64	Pebble	
0.157	4	Granule	
0.079	2.00	Very coarse sand	
0.039	1.00	Coarse sand	
0.020	0.50	Medium sand	Sand
1/2 0.0098	0.25	Fine sand	
1/4 0.005	0.125	Very fine sand	
1/8 0.0025	0.0625	Coarse silt	
1/16 0.0012	0.031	Medium silt	
1/32 0.00061	0.0156	Fine silt	Silt
1/64 0.00031	0.0078	Very fine silt	
1/128 0.00015	0.0039	Clay	Mud



Project ID: **Cross section ID:** MS7 **Date:** **Time:**

Cross section drawing:

OHWM

GPS point: 35.633414, -117.748567

Indicators:

- [x] Change in average sediment texture
- [x] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Floodplain unit:

- [x] Low-Flow Channel
- [ ] Active Floodplain
- [ ] Low Terrace

GPS point: 35.633185, -117.788400

Characteristics of the floodplain unit:

Average sediment texture: coarse sand

Total veg cover: Ø % Tree: ____% Shrub: ____% Herb: ____%

Community successional stage:

- [x] NA
- [ ] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Project ID: **Cross section ID:** WS7 **Date:** **Time:**

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: 35.633180, -117.788943

Characteristics of the floodplain unit:

Average sediment texture: Coarse Sand

Total veg cover: 0 % Tree: ____ % Shrub: ____ % Herb: ____ %

Community successional stage:

- ☒ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: ____
- ☐ Other: ____
- ☐ Other: ____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☒ Low Terrace

GPS point: 35.633274, -117.788939

Characteristics of the floodplain unit:

Average sediment texture: Fine Sand

Total veg cover: 50 % Tree: ____ % Shrub: 40 % Herb: 10 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☒ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☒ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☐ Presence of bed and bank
- ☒ Benches
- ☒ Soil development
- ☐ Surface relief
- ☐ Other: ____
- ☐ Other: ____
- ☐ Other: ____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

MS-6

Project: SCE TLRR
Project Number: 3.1
Stream: unnamed Drainage
Investigator(s): MATT SCHAAF

Date: 2/24/17
Town: INYO
Time: 0905
State: CA
Photo begin file#:
Photo end file#:

Y ☒ / N ☐ Do normal circumstances exist on the site?

Y ☒ / N ☒ Is the site significantly disturbed?

Location Details:
SCE ACCESS Road South of Inyo Kern

Projection: Lat Long **Datum:** NAD83
Coordinates: 35.314118, -117.766845

Potential anthropogenic influences on the channel system:

Access Road crosses drainage, OHV use

Brief site description:

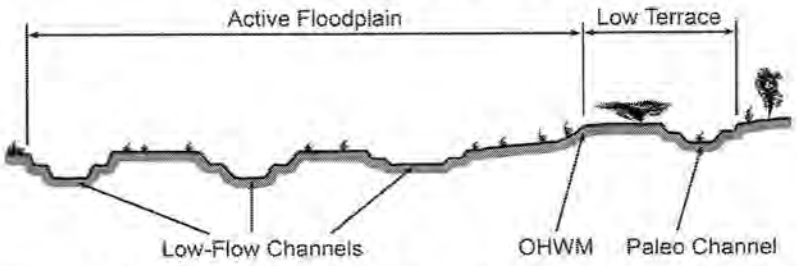
Wide channel. heavily disturbed by OHV use with COPN Island in the middle.

Checklist of resources (if available):

- ☒ Aerial photography
  Dates:
- ☒ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies

- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

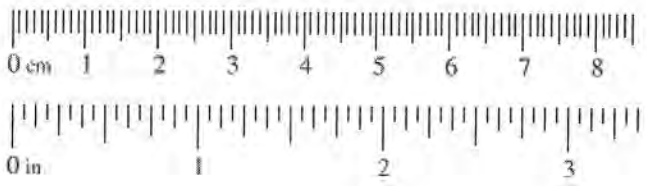


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☒ Mapping on aerial photograph
   - ☒ Digitized on computer
   - ☒ GPS
   - ☐ Other:

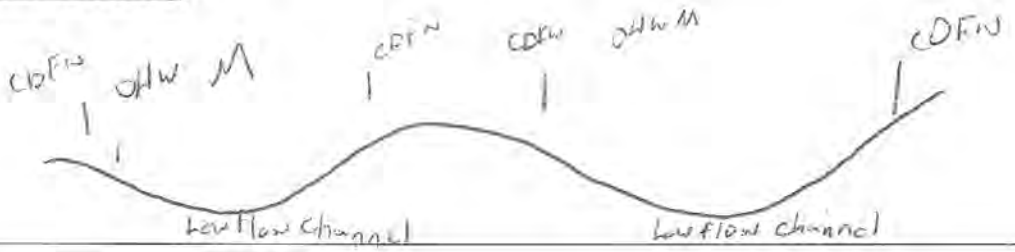
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64		
0.157	4	Pebble	
		Granule	
0.079	2.00		
0.039	1.00	Very coarse sand	
0.020	0.50	Coarse sand	
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	
1/8 0.0025	0.0625	Very fine sand	
1/16 0.0012	0.031	Coarse silt	
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	
1/128 0.00015	0.0039	Very fine silt	
		Clay	Mud



Project ID: **Cross section ID:** MS6 **Date:** **Time:**

Cross section drawing:



OHWM

GPS point: 35.574161, -117.766894

Indicators:

- ☐ Change in average sediment texture
- ☒ Change in vegetation species
- ☒ Change in vegetation cover
- ☑ Break in bank slope
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: 35.574140, -117.766884

Characteristics of the floodplain unit:

Average sediment texture: coarse sand

Total veg cover: 5 % Tree: ____% Shrub: ____% Herb: 5 %

Community successional stage:

- ☐ NA
- ☒ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Project ID: **Cross section ID:** MS6 **Date:** **Time:**

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: 35.573973, -117.766866

Characteristics of the floodplain unit:

Average sediment texture: coarse sand

Total veg cover: 2 % Tree: ____% Shrub: ____% Herb: 2 %

Community successional stage:

- ☐ NA
- ☒ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: 35.573983, -117.766845

Characteristics of the floodplain unit:

Average sediment texture: cobble

Total veg cover: 2 % Tree: ____% Shrub: ____% Herb: 2 %

Community successional stage:

- ☐ NA
- ☒ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☒ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLLR 4.1 **Date:** 2-24-17 **Time:** 11:10
Project Number: **Town:** **State:** CA
Stream: SJS **Photo begin file#:** **Photo end file#:**
Investigator(s): DW, SJ

Y ☑ / N ☐ Do normal circumstances exist on the site?

Y ☐ / N ☑ Is the site significantly disturbed?

Location Details:
35.417090, -117.691070

Projection: **Datum:**
Coordinates:

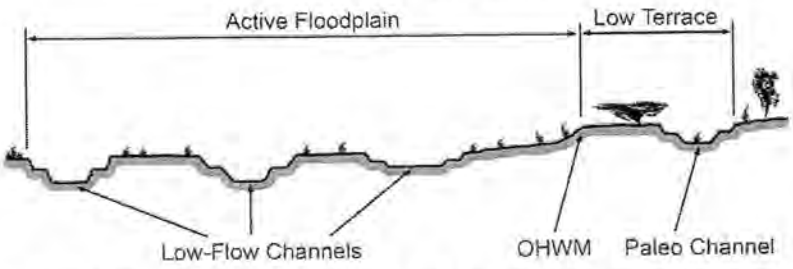
Potential anthropogenic influences on the channel system:
Dirt Road bisects channel; OHV use evidence up and down channel

Brief site description:
Broad desert wash with multiple low flow channels

Checklist of resources (if available):

- ☑ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☑ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units



Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
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   c) Identify any indicators present at the location.
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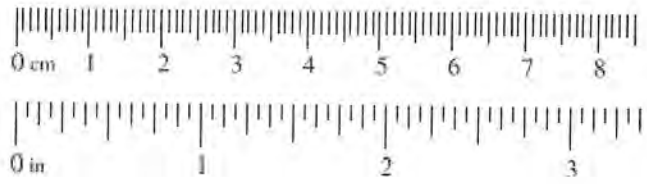
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☑ Mapping on aerial photograph
   - ☑ Digitized on computer
   - ☑ GPS
   - ☐ Other:

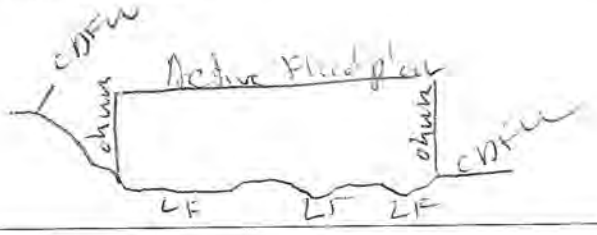
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	Gravel
2.56	64	Cobble	Gravel
0.157	4	Pebble	Gravel
0.079	2.00	Granule	Gravel
0.039	1.00	Very coarse sand	Sand
0.020	0.50	Coarse sand	Sand
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	Sand
1/8 0.0025	0.0625	Very fine sand	Sand
1/16 0.0012	0.031	Coarse silt	Silt
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	Silt
1/128 0.00015	0.0039	Very fine silt	Silt
		Clay	Mud



Project ID: TLRR **Cross section ID:** SJS **Date:** 2-24-17 **Time:** 11:20

Cross section drawing:



OHWM - Centerline

GPS point: 34.417090, -117.691070

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [ ] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Floodplain unit: [ ] Low-Flow Channel [x] Active Floodplain [ ] Low Terrace

GPS point: 35.417114, -117.691085

Characteristics of the floodplain unit:

Average sediment texture: Sandy/loam

Total veg cover: 0 % Tree: 0 % Shrub: ____ % Herb: ____ %

Community successional stage:

- [x] NA
- [ ] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [x] Soil development
- [x] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Project ID: TL **Cross section ID:** SJS **Date:** 2-24-17 **Time:**

Floodplain unit: ☑ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: 35.417099, -117.691085 / 35,417079, -117.691085 / 35,417133, -117.691045 ?

Multiple low flow channels

Characteristics of the floodplain unit:

Average sediment texture: Sand / loam

Total veg cover: 0 % Tree: 0 % Shrub: ____ % Herb: ____ %

Community successional stage:

- ☑ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☑ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☑ Active Floodplain ☐ Low Terrace

GPS point: 35.417117, -117.691118

Characteristics of the floodplain unit:

Average sediment texture: Sand / loam

Total veg cover: 0 % Tree: 0 % Shrub: ____ % Herb: ____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☑ Presence of bed and bank
- ☐ Benches
- ☑ Soil development
- ☑ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

CRST02

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: SCE TLRR
Project Number: Eldorado
Stream: Unnamed
Investigator(s): J. Tallis, PL, ST

Date: 3/14/2017 **Time:** 10:05
Town: Lucerne Valley **State:** CA
Photo begin file#: On Folcrum **Photo end file#:**

Y [X] / N [ ] Do normal circumstances exist on the site?

Y [ ] / N [X] Is the site significantly disturbed?

Location Details: Lucerne Valley Area along TLRR corridor

Projection: Lat Long **Datum:** NAD 83
Coordinates:

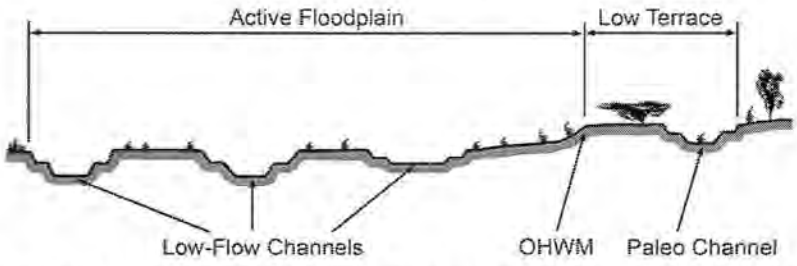
Potential anthropogenic influences on the channel system:
OHV + Motorcycle use. Permanent dirt road runs through channel.

Brief site description: Located at the base of a rocky hill. Wash flows gently to the south

Checklist of resources (if available):

- [X] Aerial photography
  Dates: 2
- [ ] Topographic maps
- [ ] Geologic maps
- [ ] Vegetation maps
- [ ] Soils maps
- [ ] Rainfall/precipitation maps
- [ ] Existing delineation(s) for site
- [X] Global positioning system (GPS)
- [ ] Other studies
- [ ] Stream gage data
  Gage number:
  Period of record:
  - [ ] History of recent effective discharges
  - [ ] Results of flood frequency analysis
  - [ ] Most recent shift-adjusted rating
  - [ ] Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

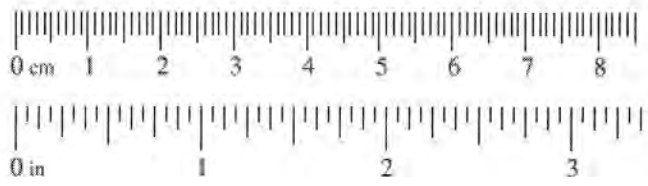


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - [ ] Mapping on aerial photograph
   - [ ] Digitized on computer
   - [X] GPS
   - [ ] Other:

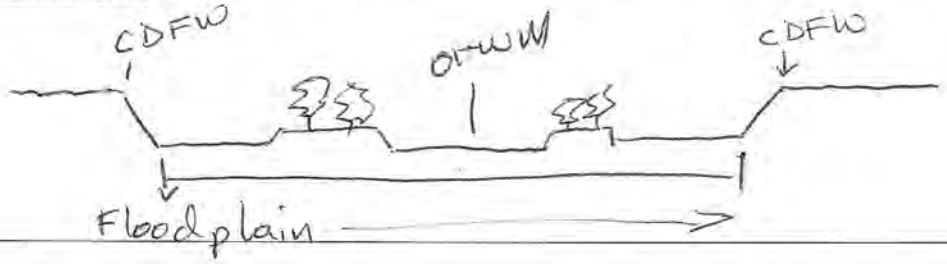
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64		
0.157	4	Pebble	
		Granule	
0.079	2.00		
0.039	1.00	Very coarse sand	
0.020	0.50	Coarse sand	
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	
1/8 0.0025	0.0625	Very fine sand	
1/16 0.0012	0.031	Coarse silt	
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	
1/128 0.00015	0.0039	Very fine silt	
		Clay	Mud



Project ID: TLRR **Cross section ID:** CRST02 **Date:** 3/14/2017 **Time:** 10:05

Cross section drawing:



OHWM ~~34.5692 5585, -116.6728 1114~~

GPS point: 34.56923225, -116.67287886

Indicators:

- [x] Change in average sediment texture
- [x] Change in vegetation species (none)
- [ ] Change in vegetation cover
- [ ] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Floodplain unit: [ ] Low-Flow Channel [x] Active Floodplain [ ] Low Terrace

GPS point: 34.56925585, -116.67281114 / 34.56917111, -116.67293544

Characteristics of the floodplain unit:

Average sediment texture: Coarse sand

Total veg cover: 10 % Tree: 0 % Shrub: 5 % Herb: 5 %

Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [x] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [x] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Creosote bush and cheese ~~bush~~ weed and herbs on mid-channel bars.

Project ID: **Cross section ID:** **Date:** **Time:**

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____% Shrub: _____% Herb: _____%

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____% Shrub: _____% Herb: _____%

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

MS-2

Project: SCE TLRR Ivanpah
Project Number: 3.1
Stream: Unnamed
Investigator(s): Matt Schaaf

Date: 2/23
Town: Barstow
Photo begin file#:

Time:
State: CA
Photo end file#:

Y ☐ / N ☒ Do normal circumstances exist on the site?

Y ☒ / N ☐ Is the site significantly disturbed?

Location Details:
SCE Access Road NW of Barstow

Projection: Lat./Long **Datum:** NAD 83
Coordinates: 34.994103, -117.098119

Potential anthropogenic influences on the channel system:
SCE Access Road Goes through wash

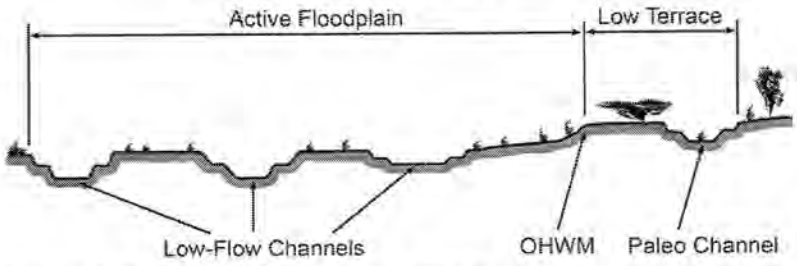
Brief site description:
Wide wash with 5 low flow channels and low terrace, ~~flow~~

Checklist of resources (if available):

- ☒ Aerial photography
  Dates:
- ☒ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies

- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

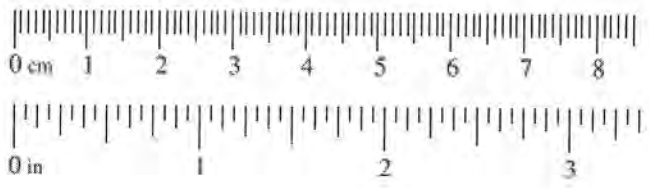


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☒ Mapping on aerial photograph
   - ☒ Digitized on computer
   - ☒ GPS
   - ☐ Other:

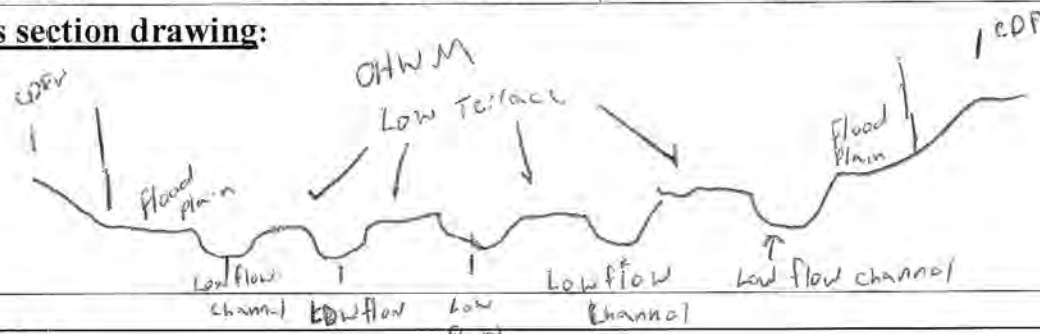
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
2.56	64	Cobble	Gravel
0.157	4	Pebble	
0.079	2.00	Granule	
0.039	1.00	Very coarse sand	
0.020	0.50	Coarse sand	
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	
1/8 0.0025	0.0625	Very fine sand	
1/16 0.0012	0.031	Coarse silt	
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	
1/128 0.00015	0.0039	Very fine silt	
		Clay	Mud



Project ID: **Cross section ID:** MS7 **Date:** **Time:**

Cross section drawing:



OHWM

GPS point: 34.994051, -117.098919

Indicators:

- [x] Change in average sediment texture
- [x] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Floodplain unit: [ ] Low-Flow Channel [x] Active Floodplain [ ] Low Terrace

GPS point: 34.994083, -117.098969

Characteristics of the floodplain unit:

Average sediment texture: coarse sand

Total veg cover: 25 % Tree: ____ % Shrub: 15 % Herb: 10 %

Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [x] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [x] Drift and/or debris
- [ ] Presence of bed and bank
- [ ] Benches
- [x] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Project ID: **Cross section ID:** MS2 **Date:** **Time:**

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: 34.994096, -117.098951

Characteristics of the floodplain unit:

Average sediment texture: coarse Sand

Total veg cover: 5 % Tree: ____ % Shrub: ____ % Herb: 5 %

Community successional stage:

- ☐ NA
- ☒ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments: 5 Low flow channels spanning Drainage bounded By low terrace

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☒ Low Terrace

GPS point: 34.994070, -117.099028

Characteristics of the floodplain unit:

Average sediment texture: Medium Sand

Total veg cover: 30 % Tree: ____ % Shrub: 20 % Herb: 10 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☒ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☐ Presence of bed and bank
- ☒ Benches
- ☒ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments: Several small terraces covered with creosote located amongst the low flow channels

Arid West Ephemeral and Intermittent Streams OHWM Datasheet MS. 5

Project: SCE TLRR 3.1 **Date:** 2/23/17 **Time:** 1050
Project Number: 3.1 **Town:** Barstow **State:** CA
Stream: unnamed Drainage **Photo begin file#:** **Photo end file#:**
Investigator(s): Matt Schamp

Y ☐ / N ☐ Do normal circumstances exist on the site?

Y ☐ / N ☐ Is the site significantly disturbed?

Location Details:
Fort Erwin Road

Projection: Lat, Long **Datum:** NAD83
Coordinates: 34.927602, -116.923163

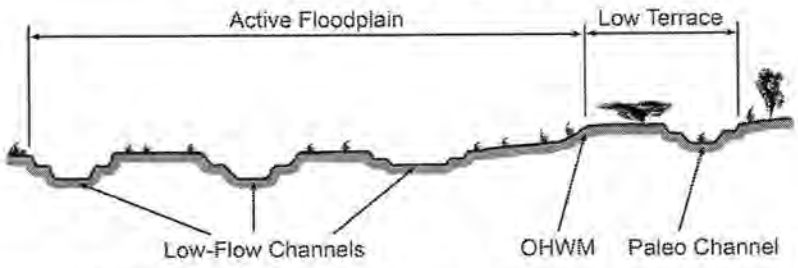
Potential anthropogenic influences on the channel system:
TRASH, SCE ACCESS ROAD, OHV, TOWER located on edge on WASH

Brief site description:
wide, shallow wash, unvegetated one low flow channel

Checklist of resources (if available):

- ☒ Aerial photography
  Dates:
- ☒ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

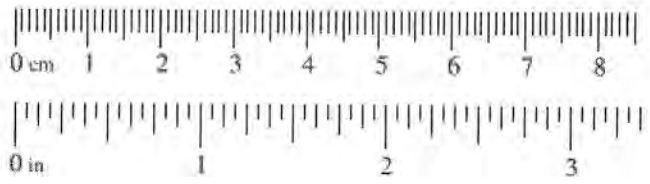


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☒ Mapping on aerial photograph
   - ☒ GPS
   - ☒ Digitized on computer
   - ☐ Other:

Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64		
0.157	4	Pebble	
		Granule	
0.079	2.00		
0.039	1.00	Very coarse sand	
0.020	0.50	Coarse sand	
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	
1/8 0.0025	0.0625	Very fine sand	
1/16 0.0012	0.031	Coarse silt	
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	
1/128 0.00015	0.0039	Very fine silt	
		Clay	Mud



Project ID: **Cross section ID:** MSS **Date:** **Time:**

Cross section drawing:

OHWM

GPS point: 34.927666, -116.923062

Indicators:

- ☐ Change in average sediment texture
- ☒ Change in vegetation species
- ☒ Change in vegetation cover
- ☒ Break in bank slope
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: 34.927642, -116.923163

Characteristics of the floodplain unit:

Average sediment texture: Coarse Sand

Total veg cover: 0 % Tree: ____% Shrub: ____% Herb: ____%

Community successional stage:

- ☒ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Project ID: **Cross section ID:** MJS **Date:** **Time:**

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: 34.927551, -116.923007

Characteristics of the floodplain unit:

Average sediment texture: medium sand

Total veg cover: 20 % Tree: ____ % Shrub: 15 % Herb: 5 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☒ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☒ Soil development
- ☒ Surface relief
- ☐ Other: ____
- ☐ Other: ____
- ☐ Other: ____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: 34.927642, -116.923163

Characteristics of the floodplain unit:

Average sediment texture: medium sand

Total veg cover: 30 % Tree: ____ % Shrub: 25 % Herb: 5 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☒ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☒ Soil development
- ☒ Surface relief
- ☐ Other: ____
- ☐ Other: ____
- ☐ Other: ____

Comments:

MS-4

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: SCE TLRR Ivanpah
Project Number: 3.1
Stream: unnamed drainage
Investigator(s): Matt Schaap

Date: 2/23/17
Time: 1515
Town: BARSTOW
State: CA
Photo begin file#:
Photo end file#:

Y ☐ / N ☑ Do normal circumstances exist on the site?

Y ☑ / N ☐ Is the site significantly disturbed?

Location Details:
SCE Access Road East of Barstow

Projection: Lat, Long **Datum:** NAD 83
Coordinates: 34.987438, -117.09179-2

Potential anthropogenic influences on the channel system:
SCE Access Road crosses drainage, ORV use

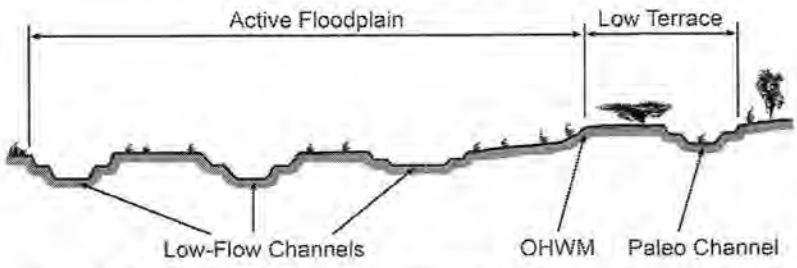
Brief site description:
Wide drainage with ~~sc~~ 2 shallow low flow channels, small islands of vegetation within drainage

Checklist of resources (if available):

- ☑ Aerial photography
  Dates:
- ☑ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☑ Global positioning system (GPS)
- ☐ Other studies

- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

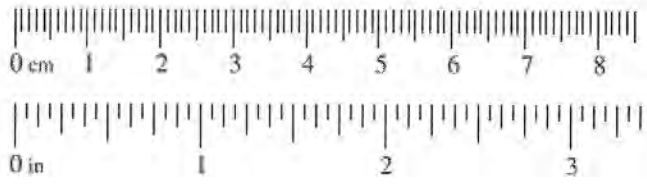


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☑ Mapping on aerial photograph
   - ☑ Digitized on computer
   - ☑ GPS
   - ☐ Other:

Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64	Pebble	
0.157	4	Granule	
0.079	2.00	Very coarse sand	
0.039	1.00	Coarse sand	
0.020	0.50	Medium sand	Sand
1/2 0.0098	0.25	Fine sand	
1/4 0.005	0.125	Very fine sand	
1/8 0.0025	0.0625	Coarse silt	
1/16 0.0012	0.031	Medium silt	
1/32 0.00061	0.0156	Fine silt	Silt
1/64 0.00031	0.0078	Very fine silt	
1/128 0.00015	0.0039	Clay	Mud



Project ID: **Cross section ID:** MSH **Date:** **Time:**

Cross section drawing:

OHWM

GPS point: 34.987555, -117.091871

Indicators:

- [x] Change in average sediment texture
- [x] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Floodplain unit: [x] Low-Flow Channel [ ] Active Floodplain [ ] Low Terrace

GPS point: 34.987524, -117.091810

Characteristics of the floodplain unit:

Average sediment texture: coarse Sand

Total veg cover: 2 % Tree: ____ % Shrub: ____ % Herb: 2 %

Community successional stage:

- [ ] NA
- [x] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Project ID: **Cross section ID:** MS4 **Date:** **Time:**

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: 34.987547, -117.09128

Characteristics of the floodplain unit:

Average sediment texture: medium sand

Total veg cover: 20 % Tree: ____ % Shrub: 10 % Herb: 10 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☒ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: ____
- ☐ Other: ____
- ☐ Other: ____

Comments:

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: 34.987436, -117.09151

Characteristics of the floodplain unit:

Average sediment texture: coarse sand

Total veg cover: 0 % Tree: ____ % Shrub: ____ % Herb: ____ %

Community successional stage:

- ☒ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: ____
- ☐ Other: ____
- ☐ Other: ____

Comments:

AD1

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TCRM
Project Number:
Stream:
Investigator(s): AD, CTN

Date: 2/22/17
Town: Barstow
Photo begin file#:

Time: 0945
State: CA
Photo end file#:

Y ☒ / N ☐ Do normal circumstances exist on the site?

Y ☐ / N ☒ Is the site significantly disturbed?

Location Details:

Projection: ?? **Datum:**
Coordinates: 34.95 32550 2 N -117. 48130778 E

Potential anthropogenic influences on the channel system:
OHV use & trash dumping & ROW road through center (perpendicular)

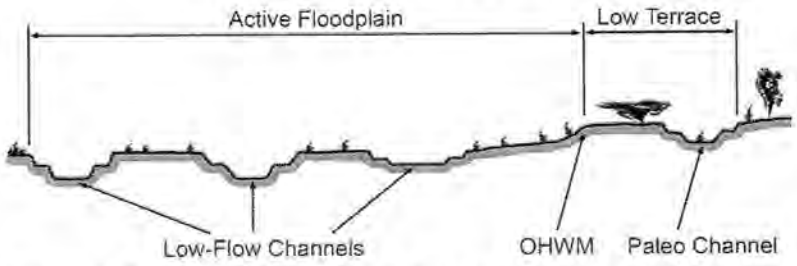
Brief site description:
Creosote bush scrub, large wash w/ braided channels & islands

Checklist of resources (if available):

- ☒ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies

- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

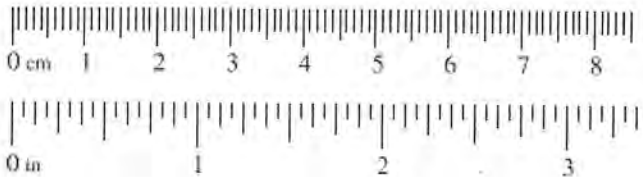


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☒ GPS
   - ☐ Digitized on computer
   - ☐ Other:

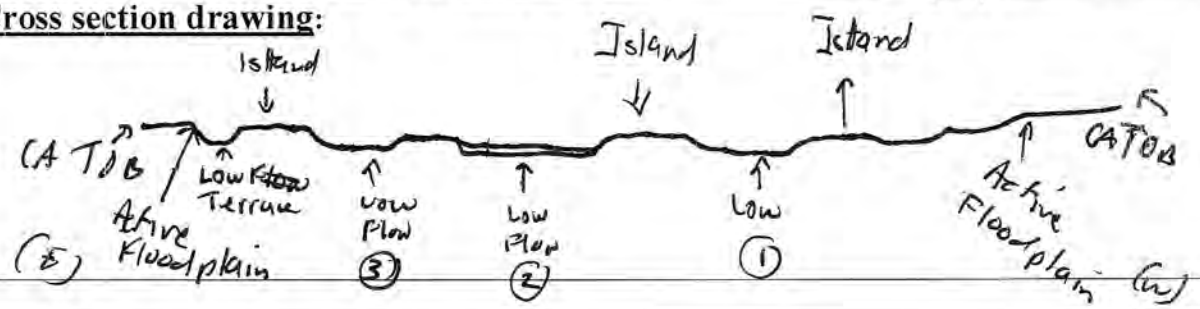
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
2.56	64	Cobble	Gravel
0.157	4	Pebble	
0.079	2.00	Granule	
0.039	1.00	Very coarse sand	
0.020	0.50	Coarse sand	
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	
1/8 0.0025	0.0625	Very fine sand	
1/16 0.0012	0.031	Coarse silt	
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	
1/128 0.00015	0.0039	Very fine silt	
		Clay	Mud



Project ID: **Cross section ID:** A01 **Date:** 2/22/17 **Time:** 0944

Cross section drawing:



OHWM

GPS point: 34.95327880, -117.48135433 (1)
34.95326259, -117.48135030

Indicators:

- [X] Change in average sediment texture
- [ ] Change in vegetation species
- [ ] Change in vegetation cover
- [X] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

(3) 34.95309386, -117.48126682
34.95310348, -117.48127822

(2) 34.95317822, -117.48130538
34.95319608, -117.48133086

Floodplain unit: [ ] Low-Flow Channel [X] Active Floodplain [ ] Low Terrace

GPS points 34.95328316, -117.48135868 (4)
34.95308864, -117.48126380 (5)

Characteristics of the floodplain unit:

Average sediment texture: Sandy

Total veg cover: ~~25~~ 0 % Tree: ~~15~~ 0 % Shrub: 15 % Herb: 15 %

Community successional stage:

- [ ] NA
- [X] ~~Early~~ (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [X] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [X] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

AOM

Project ID: **Cross section ID:** AD2 **Date:** 2/22 **Time:**

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: 34.95324005, -117.48132415 ①

Characteristics of the floodplain unit:

Average sediment texture: Sandy

Total veg cover: 5 % Tree: 0 % Shrub: 0 % Herb: 5 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

34.95318384, -117.48133052 ②

34.95309303, -117.48127654 ③

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____ % Shrub: _____ % Herb: _____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR 4.1 **Date:** 2/22/17 **Time:** 10:45 AM
Project Number: CB01 **Town:** Kramer Junction **State:** CA
Stream: **Photo begin file#:** **Photo end file#:**
Investigator(s): Colleen DelVecchio, Bryant Renolds

Y ☐ / N ☒ Do normal circumstances exist on the site?

Y ☒ / N ☐ Is the site significantly disturbed?

Location Details: Kramer transmission line, east of 395, South of HWY 58

Projection: Decimal degree **Datum:**
Coordinates: 34.943151°, -117.464286°

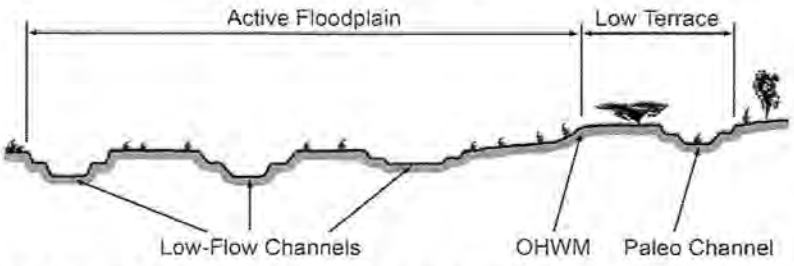
Potential anthropogenic influences on the channel system:
OHV open road BLM trail

Brief site description:
Broad wash w/ creosote bush veg. community

Checklist of resources (if available):

- ☒ Aerial photography
  - Dates: 2016
- ☒ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☐ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  - Gage number:
  - Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units



Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
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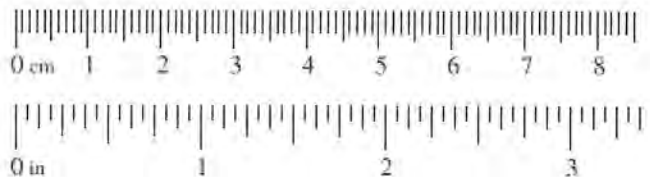
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☒ GPS
   - ☐ Digitized on computer
   - ☐ Other:

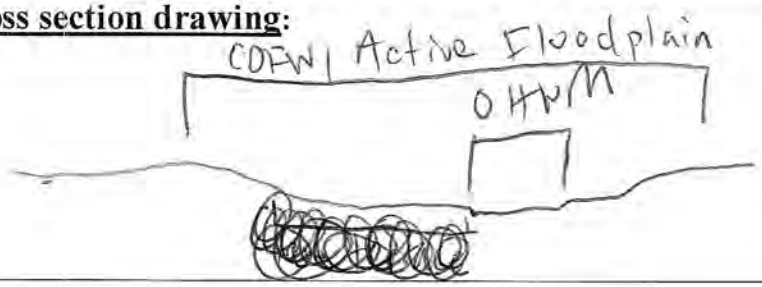
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64		
0.157	4	Pebble	
		Granule	
0.079	2.00		
0.039	1.00	Very coarse sand	
0.020	0.50	Coarse sand	
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	
1/8 0.0025	0.0625	Very fine sand	
1/16 0.0012	0.031	Coarse silt	
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	
1/128 0.00015	0.0039	Very fine silt	
		Clay	Mud



Project ID: ~~CB01~~ TLRR 4.1 Cross section ID: CB01 Date: 2/22/17 Time: 10:50AM

Cross section drawing:



OHWM centerline

GPS point: 34.94316833°, -117.46412180°

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [ ] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Extremely disturbed and difficult to see in sections due to OHV travel. A lot of fire tracks in the sand.

Floodplain unit: [ ] Low-Flow Channel [x] Active Floodplain [ ] Low Terrace

GPS point: 34.94331344, -117.4644393

Characteristics of the floodplain unit:

Average sediment texture: ~~Sand~~ coarse sand w/ cobble

Total veg cover: 60 % Tree: 0 % Shrub: 40 % Herb: 20 %

Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [x] Late (herbaceous, shrubs, mature trees)

Indicators:

- [x] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

TLR4.1

Project ID: [illegible] **Cross section ID:** CB01 **Date:** 2/22/17 **Time:** 1055

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: 34.943143772°, -117.464666615°

Characteristics of the floodplain unit:

Average sediment texture: coarse sand w/ cobble

Total veg cover: 75 % Tree: 0 % Shrub: 55 % Herb: 20 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☒ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☒ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☒ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____ % Shrub: _____ % Herb: _____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: +LRR4.1, Tranquah
Project Number: ~~DC~~ DC01
Stream: Unknown
Investigator(s): Colleen DeVecchio, Daniel

Date: 2/28/17 **Time:** 10:30AM
Town: **State:** CA
Photo begin file#: **Photo end file#:**

Y ☐ / N ☒ Do normal circumstances exist on the site?

Y ☒ / N ☐ Is the site significantly disturbed?

Location Details:

Projection: **Datum:**
Coordinates:

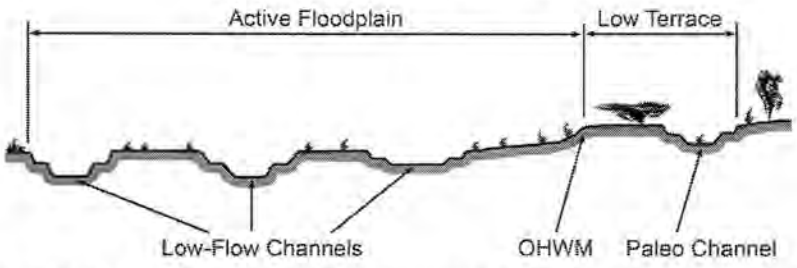
Potential anthropogenic influences on the channel system: Yes, access road for SCE ROW crosses through channel, recreational mtn. biking + OHV. Some areas significantly disturbed

Brief site description: Creosote Bush scrub, High volume of H_2O this season. All islands on aerial photos have OHWM cutting through them. One main channel with dozens of low flow channels. Manmade piles of soil created the valley this drainage is in.

Checklist of resources (if available):

- ☒ Aerial photography
  Dates: 2016
- ☒ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☐ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
- ☐ History of recent effective discharges
- ☐ Results of flood frequency analysis
- ☐ Most recent shift-adjusted rating
- ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units



Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
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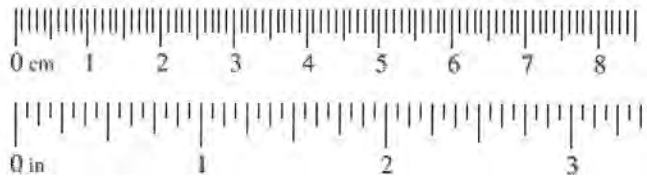
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☒ GPS
   - ☐ Digitized on computer
   - ☐ Other:

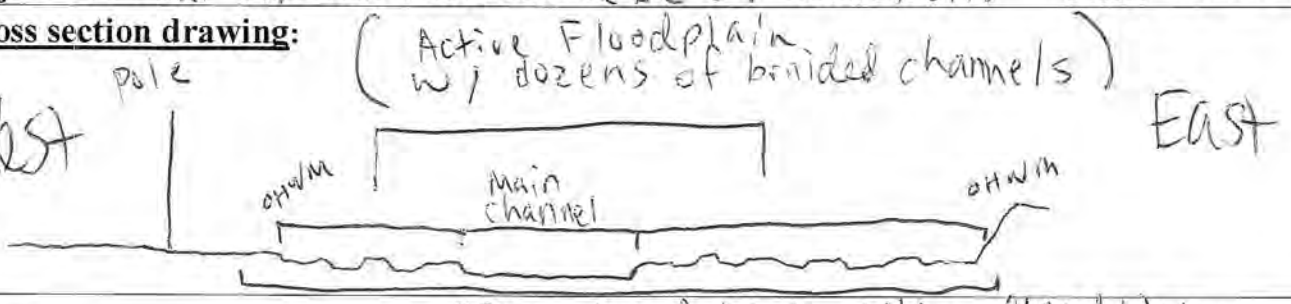
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64	Pebble	
0.157	4	Granule	
0.079	2.00	Very coarse sand	
0.039	1.00	Coarse sand	
0.020	0.50	Medium sand	Sand
1/2 0.0098	0.25	Fine sand	
1/4 0.005	0.125	Very fine sand	
1/8 0.0025	0.0625	Coarse silt	
1/16 0.0012	0.031	Medium silt	
1/32 0.00061	0.0156	Fine silt	Silt
1/64 0.00031	0.0078	Very fine silt	
1/128 0.00015	0.0039	Clay	Mud



Project ID: TLRR 4.1 **Cross section ID:** ~~DD~~ DC 01 **Date:** 2/28/17 **Time:** 10:00 AM

Cross section drawing:



CDFW top of bank, active floodplain

OHWM East Bank

GPS point: West Bank

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments: Took this point at the outermost braided channel that signified the end of the ~~active floodplain~~ OHWM.

Floodplain unit: [ ] Low-Flow Channel [x] Active Floodplain [ ] Low Terrace

GPS point: east bank 2

Characteristics of the floodplain unit:

Average sediment texture: sand

Total veg cover: 70 % Tree: 0 % Shrub: 50 % Herb: 30 %

Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [x] Late (herbaceous, shrubs, mature trees)

Indicators:

- [x] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [x] Soil development
- [ ] Surface relief
- [x] Other: Chang in veg. cover
- [ ] Other: _____
- [ ] Other: _____

Comments: large active floodplain.

Project ID: TLR4.1 **Cross section ID:** DC01 **Date:** 2/28/17 **Time:** 10:30

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: West Bank

Characteristics of the floodplain unit:

Average sediment texture: Sand

Total veg cover: 70 % Tree: 0 % Shrub: 50 % Herb: 30 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☒ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☒ Soil development
- ☐ Surface relief
- ☒ Other: Change in veg species
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____ % Shrub: _____ % Herb: _____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR
Project Number: Segment 3.2
Stream: Unnamed SJ1
Investigator(s): SJ, DW, CG

Date: 2-21-17
Town: Barstow
Time: 15:20
State: CA
Photo begin file#:
Photo end file#:

Y ☑ / N ☐ Do normal circumstances exist on the site?

Y ☑ / N ☐ Is the site significantly disturbed?

Location Details: 34

Projection: **Datum:**
Coordinates: 34.861503, -117.026527

Potential anthropogenic influences on the channel system:
off-road vehicle traffic, gravel road crosses wash

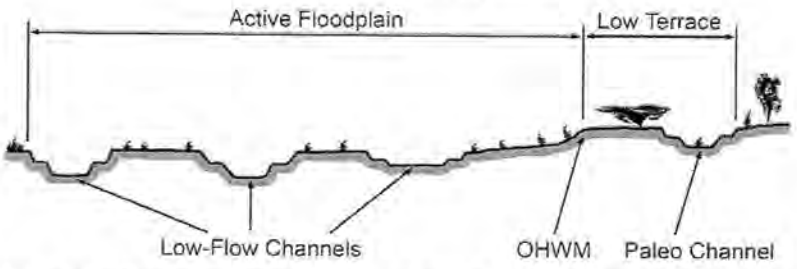
Brief site description:
Broad wash with multiple low flow channels bisected by gravel road. Significant ORV use.

Checklist of resources (if available):

- ☑ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☑ Global positioning system (GPS)
- ☐ Other studies

- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

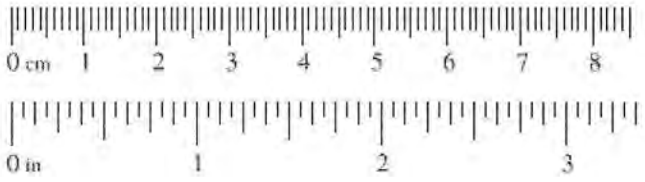


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☑ Mapping on aerial photograph
   - ☑ Digitized on computer
   - ☑ GPS
   - ☐ Other:

Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
2.56	64	Cobble	Gravel
0.157	4	Pebble	
0.079	2.00	Granule	
0.039	1.00	Very coarse sand	
0.020	0.50	Coarse sand	
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	
1/8 0.0025	0.0625	Very fine sand	
1/16 0.0012	0.031	Coarse silt	
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	
1/128 0.00015	0.0039	Very fine silt	
		Clay	Mud



Project ID: **Cross section ID:** SS1 **Date:** 2/21/17 **Time:** 3:26

Cross section drawing:

OHWM

GPS point: 34.861503, -117.026527

Indicators:

- ☐ Change in average sediment texture
- ☐ Change in vegetation species
- ☐ Change in vegetation cover
- ☐ Break in bank slope
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☑ Active Floodplain ☐ Low Terrace

GPS point: 34.861504, -117.026404

Characteristics of the floodplain unit:

Average sediment texture: Sand

Total veg cover: 1 % Tree: 0 % Shrub: 0 % Herb: 1 %

Community successional stage:

- ☐ NA
- ☑ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☑ Presence of bed and bank
- ☐ Benches
- ☑ Soil development
- ☑ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Project ID: **Cross section ID:** SJ_1 **Date:** **Time:**

Floodplain unit: ☐ Low-Flow Channel ☑ Active Floodplain ☐ Low Terrace

GPS point: 34.861522, -117.026684

Characteristics of the floodplain unit:

Average sediment texture: SAND

Total veg cover: 1 % Tree: 0 % Shrub: 0 % Herb: 1 %

Community successional stage:

- ☐ NA
- ☑ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☑ Presence of bed and bank
- ☐ Benches
- ☑ Soil development
- ☑ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____ % Shrub: _____ % Herb: _____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR 4.1
Project Number: Ivanpah 3.3
Stream: SJ II
Investigator(s):
Date: 3/1/17
Town:
Photo begin file#:
Time: 1152
State: CA
Photo end file#:

Y ☒ / N ☐ Do normal circumstances exist on the site?

Y ☒ / N ☐ Is the site significantly disturbed?

Location Details: Ivanpah 3.3 ~MP 26

Projection: **Datum:**
Coordinates:

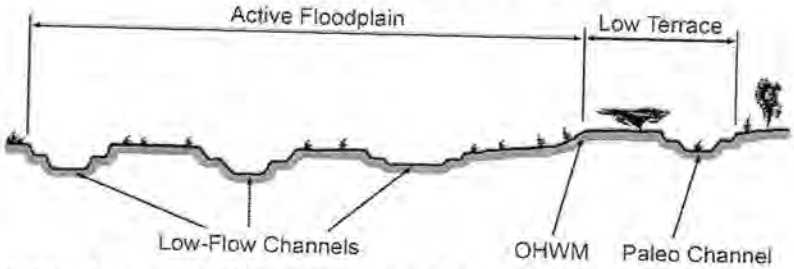
Potential anthropogenic influences on the channel system:
Access road bisects drainage. Some OHV use. and utility line

Brief site description:
Broad, ephemeral drainage with braided low flow channels and terraces.

Checklist of resources (if available):

- ☒ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

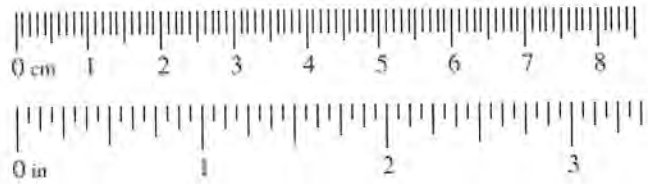


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☒ Mapping on aerial photograph
   - ☒ Digitized on computer
   - ☒ GPS
   - ☐ Other:

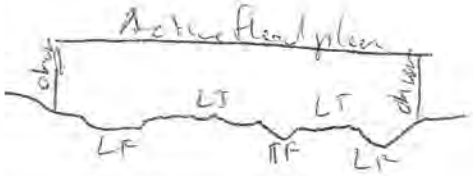
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	Gravel
2.56	64	Cobble	Gravel
0.157	4	Pebble	Gravel
0.079	2.00	Granule	Gravel
0.039	1.00	Very coarse sand	Sand
0.020	0.50	Coarse sand	Sand
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	Sand
1/8 0.0025	0.0625	Very fine sand	Sand
1/16 0.0012	0.031	Coarse silt	Silt
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	Silt
1/128 0.00015	0.0039	Very fine silt	Silt
		Clay	Mud



Project ID: **Cross section ID:** SJ11 **Date:** **Time:**

Cross section drawing:



OHWM

GPS point: 34.861249, -116.982248

Indicators:

- ☐ Change in average sediment texture
- ☐ Change in vegetation species
- ☒ Change in vegetation cover
- ☒ Break in bank slope
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit:

☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: 34.861288, -116.982129 (Eastern Edge)

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: 0 % Tree: ___ % Shrub: ___ % Herb: ___ %

Community successional stage:

- ☒ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☒ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Western Edge 34.861314, -116.982488 Vegetated 10% Shrub 5% Herb (15 total)

Project ID: **Cross section ID:** SS11 **Date:** **Time:**

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: 1st 34.861292, -116.982118

Characteristics of the floodplain unit:

Average sediment texture: Sandy

Total veg cover: 0 % Tree: ____ % Shrub: ____ % Herb: ____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☒ Soil development
- ☒ Surface relief
- ☐ Other: ____
- ☐ Other: ____
- ☐ Other: ____

Comments:

2nd 34.861249, -116.982248

3rd 34.861309, -116.982596

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☒ Low Terrace

GPS point: 1st 34.861306, -116.982133

Characteristics of the floodplain unit:

Average sediment texture: Cobble

Total veg cover: 30 % Tree: ____ % Shrub: 20 % Herb: 10 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☒ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☒ Soil development
- ☐ Surface relief
- ☒ Other: Vegetation
- ☐ Other: ____
- ☐ Other: ____

Comments:

2nd 34.861263, -116.982311 Vegcover: 20% shrub, 10% herb (30% total)

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLHR 6.1
Project Number: Lwr 3.3
Stream: SJ12
Investigator(s): SJ

Date: 3/1
Time: 330
Town:
State:
Photo begin file#:
Photo end file#:

Y ☐ / N ☐ Do normal circumstances exist on the site?

Y ☐ / N ☐ Is the site significantly disturbed?

Location Details:

Projection: **Datum:**
Coordinates:

Potential anthropogenic influences on the channel system:

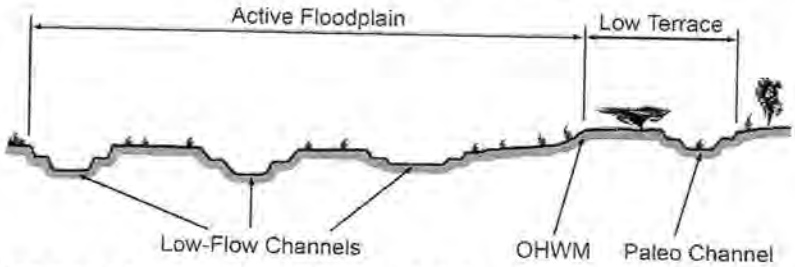
rd hisec/s drainage

Brief site description:

Checklist of resources (if available):

- ☑ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☑ Global positioning system (GPS)
- ☑ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

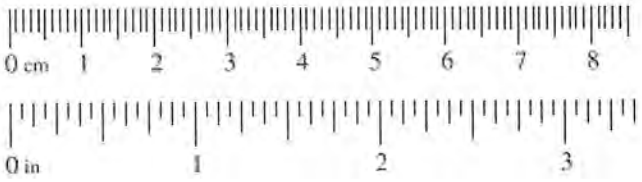


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☑ Mapping on aerial photograph
   - ☑ Digitized on computer
   - ☑ GPS
   - ☐ Other:

Wentworth Size Classes

Inches (in)		Millimeters (mm)	Wentworth size class	
	10.08	256	Boulder	
	2.56	64	Cobble	Gravel
	0.157	4	Pebble	
	0.079	2.00	Granule	
	0.039	1.00	Very coarse sand	
	0.020	0.50	Coarse sand	
1/2	0.0098	0.25	Medium sand	Sand
1/4	0.005	0.125	Fine sand	
1/8	0.0025	0.0625	Very fine sand	
1/16	0.0012	0.031	Coarse silt	
1/32	0.00061	0.0156	Medium silt	Silt
1/64	0.00031	0.0078	Fine silt	
1/128	0.00015	0.0039	Very fine silt	
			Clay	Mud



Project ID: **Cross section ID:** SS12 **Date:** **Time:**

Cross section drawing:

OHWM

GPS point: 34.861179 116.970253

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [ ] Change in vegetation cover
- [ ] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Floodplain unit:

- [ ] Low-Flow Channel
- [x] Active Floodplain
- [ ] Low Terrace

GPS point: 34.861194 116.970323

Characteristics of the floodplain unit:

Average sediment texture: Sand

Total veg cover: 0 % Tree: 8 % Shrub: ____ % Herb: ____ %

Community successional stage:

- [x] NA
- [ ] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Project ID: **Cross section ID:** SS12 **Date:** **Time:**

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: 34. 56180 116.97025 2

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: 0 % Tree: ____% Shrub: ____% Herb: ____%

Community successional stage:

- ☒ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: ____% Tree: ____% Shrub: ____% Herb: ____%

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Project ID: **Cross section ID:** PC03 **Date:** **Time:**

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☒ Low Terrace

GPS point: [illegible] West bank

Characteristics of the floodplain unit:

Average sediment texture: coarse sand

Total veg cover: 65 % Tree: 0 % Shrub: 35 % Herb: 30 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☒ Soil development
- ☒ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Basalt rocks, not in other areas

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: east bank

Characteristics of the floodplain unit:

Average sediment texture: coarse sand 50

Total veg cover: 80 % Tree: 0 % Shrub: 50 % Herb: 30 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

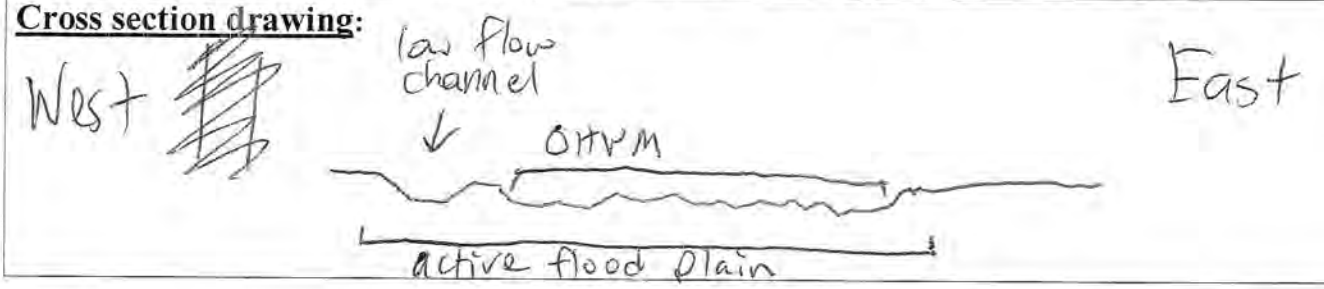
Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☒ Soil development
- ☒ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Project ID: **Cross section ID:** XC03 **Date:** **Time:**

Cross section drawing:



OHWM

GPS point: east bank / west bank

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [ ] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments: Highly disturbed from ~~OHV~~ OHV

Floodplain unit: [x] Low-Flow Channel [ ] Active Floodplain [ ] Low Terrace

GPS point: centerline

Characteristics of the floodplain unit:

Average sediment texture: Sand

Total veg cover: 40 % Tree: 0 % Shrub: 15 % Herb: 25 %

Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [x] Late (herbaceous, shrubs, mature trees)

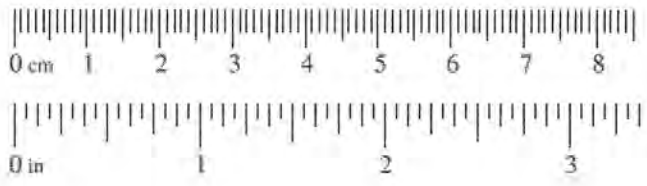
Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [x] Soil development
- [x] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
2.56	64	Cobble	Gravel
0.157	4	Pebble	
0.079	2.00	Granule	
0.039	1.00	Very coarse sand	
0.020	0.50	Coarse sand	
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	
1/8 0.0025	0.0625	Very fine sand	
1/16 0.0012	0.031	Coarse silt	
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	
1/128 0.00015	0.0039	Very fine silt	
		Clay	Mud



Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR 4.1 **Date:** 3/1/17 **Time:** 10:30
Project Number: DC03 **Town:** Dagget **State:** CA
Stream: unnamed drainage **Photo begin file#:** **Photo end file#:**
Investigator(s): Colleen Del Vecchio

Y ☐ / N ☒ Do normal circumstances exist on the site?

Y ☒ / N ☐ Is the site significantly disturbed?

Location Details:

Projection: **Datum:**
Coordinates:

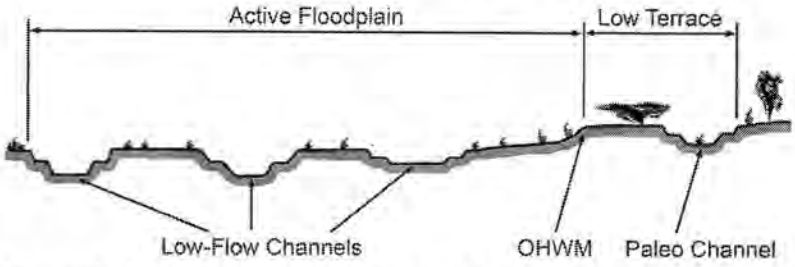
Potential anthropogenic influences on the channel system: Recreational OHV, trash, SCE transmission line and access road.

Brief site description: Highly disturbed wash by OHV, making OHWM difficult to distinguish in certain areas. Low flow channel on west side that connects to main downstream, low-flow channel on east side that connects to main as it crosses access road. Flow is S to N.

Checklist of resources (if available):

- ☒ Aerial photography
  Dates: 2016
- ☒ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☐ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
- ☐ History of recent effective discharges
- ☐ Results of flood frequency analysis
- ☐ Most recent shift-adjusted rating
- ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units



Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☒ GPS
   - ☐ Digitized on computer
   - ☐ Other:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR
Project Number:
Stream: ~~A02~~ A02
Investigator(s): Asher D, Cynthia N

Date: 2/28/17 **Time:** 0919
Town: Jaeger **State:** CA
Photo begin file#: **Photo end file#:**

Y ☐ / N ☒ Do normal circumstances exist on the site?

Y ☒ / N ☐ Is the site significantly disturbed?

Location Details:
~~along~~ along transmission line near mountain view community

Projection: **Datum:**
Coordinates:

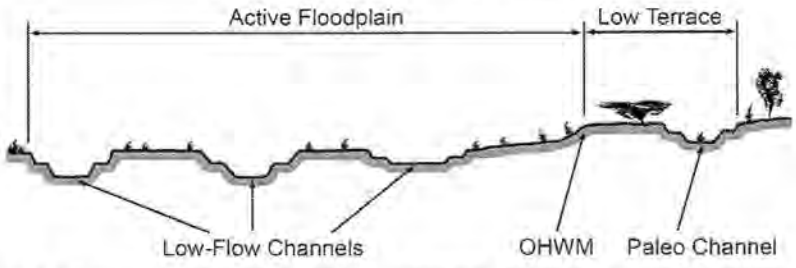
Potential anthropogenic influences on the channel system:
OHV traffic, road through it, highway to north, berm to the east (adjacent)

Brief site description:
100ft wide wash in Desert Wash Woodland - 50ft Northwest of Mt. View Estates (?) - Bermed (w/ road) on to the east (main wash runs N→S), ROW runs through. Multiple islands w/ obvious water flow w/in them. Multiple (west) braided channels (3 flow flow-fed).

Checklist of resources (if available):

- ☒ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
- ☐ History of recent effective discharges
- ☐ Results of flood frequency analysis
- ☐ Most recent shift-adjusted rating
- ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

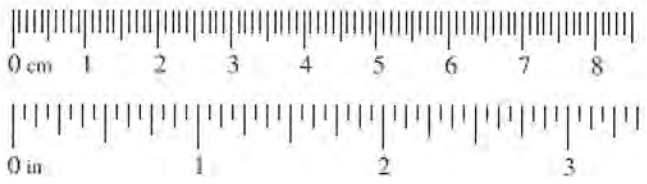


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☐ Digitized on computer
   - ☒ GPS
   - ☐ Other:

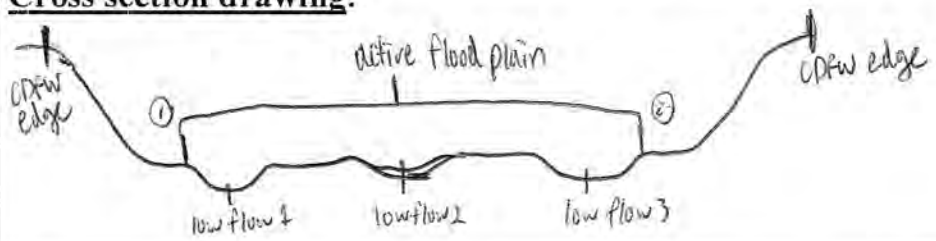
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
2.56	64	Cobble	Gravel
0.157	4	Pebble	
0.079	2.00	Granule	
0.039	1.00	Very coarse sand	
0.020	0.50	Coarse sand	
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	
1/8 0.0025	0.0625	Very fine sand	
1/16 0.0012	0.031	Coarse silt	
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	
1/126 0.00015	0.0039	Very fine silt	
		Clay	Mud



Project ID: **Cross section ID:** ~~AD2~~ AD2 **Date:** 2/28/17 **Time:** 0919

Cross section drawing:



OHWM

GPS point: _____

Indicators:

- ☐ Change in average sediment texture
- ☐ Change in vegetation species
- ☐ Change in vegetation cover
- ☐ Break in bank slope
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit:

☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: ① 34.902829 10, -116.79248948
③ 34.90273102, -116.79280949

Characteristics of the floodplain unit:

Average sediment texture: Sandy

Total veg cover: 30 % Tree: 10 % Shrub: 18 % Herb: 2 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☒ Mudcracks
- ☒ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Project ID: **Cross section ID:** AD2 **Date:** **Time:**

Floodplain unit: ☒ Low-Flow Channels ☐ Active Floodplain ☐ Low Terrace

GPS point: (1) 34.90280883, -116.79247387

Characteristics of the floodplain unit:

Average sediment texture: sandy

Total veg cover: ~~7~~ % Tree: ~~0~~ % Shrub: 5 % Herb: 2 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☒ Mudcracks
- ☒ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

(2) 34.90280828; -116.79269012

(3) 34.90275026; -116.79284569

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____ % Shrub: _____ % Herb: _____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLR	**Date:** 3/1/17	**Time:** 1045
Project Number:	**Town:**	**State:** CA
Stream: AD 3	**Photo begin file#:**	**Photo end file#:**
Investigator(s): A.A.D., CJN		

Y ☐ / N ☐ Do normal circumstances exist on the site?

Y ☒ / N ☐ Is the site significantly disturbed? flood, Rip Rap

Location Details:

Projection: **Datum:**

Coordinates:

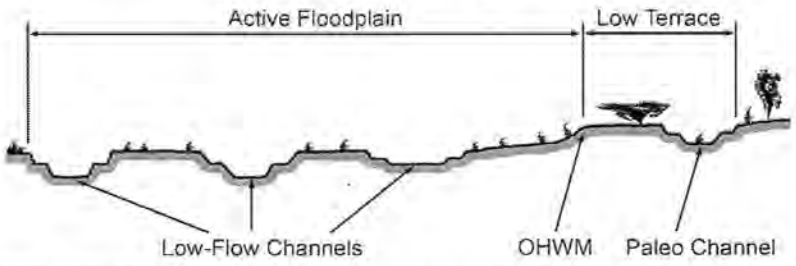
Potential anthropogenic influences on the channel system:
Alignment road runs perpendicular through channel. Freeway bridge over w/reinforced banks (riprap) & OHV tracks present. ~~Ditch~~ Drainage adjacent to highway (parallel) flows into channel ~~Highway built~~

Brief site description: large (200Ft across) desert wash, Creosote scrub (w/ Atriplex) w/ multiple channels, drainage from highway flowing from west. Runs North → South

Checklist of resources (if available):

- ☒ Aerial photography
  - Dates:
- ☒ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  - Gage number:
  - Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

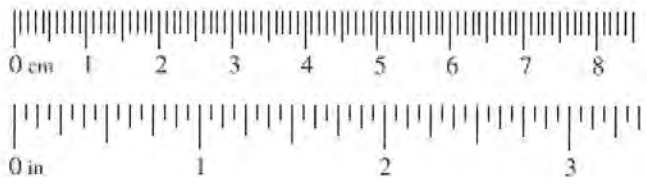


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☒ GPS
   - ☐ Digitized on computer
   - ☐ Other:

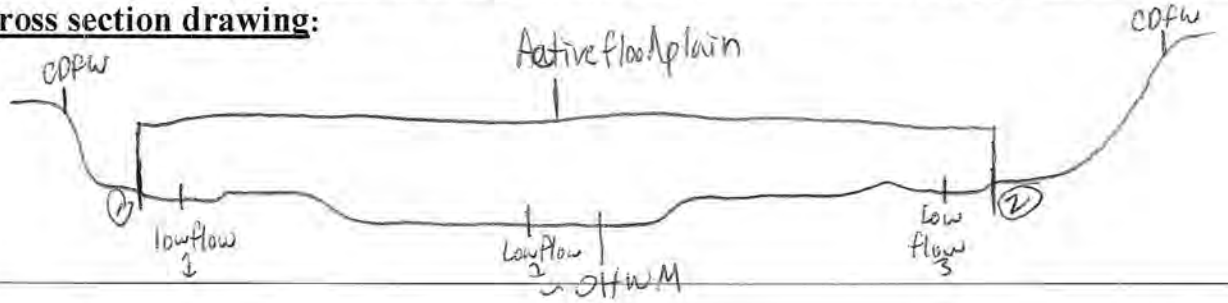
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64		
0.157	4	Pebble	
		Granule	
0.079	2.00		
0.039	1.00	Very coarse sand	
0.020	0.50	Coarse sand	
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	
1/8 0.0025	0.0625	Very fine sand	
1/16 0.0012	0.031	Coarse silt	
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	
1/128 0.00015	0.0039	Very fine silt	
		Clay	Mud



Project ID: TKRR **Cross section ID:** AD3 **Date:** 3/1/17 **Time:** 945

Cross section drawing:



OHWM

GPS point: 35.01808919, -116.51360091

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Floodplain unit:

- [ ] Low-Flow Channel
- [x] Active Floodplain
- [ ] Low Terrace

GPS point: (1) 35.01787200, -116.51388254
(2) 35.01818090, -116.51331794

Characteristics of the floodplain unit:

Average sediment texture: Sandy

Total veg cover: 30 % Tree: 0 % Shrub: 29 % Herb: 1 %

Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [x] Late (herbaceous, shrubs, mature trees)

Indicators:

- [x] Mudcracks
- [ ] Ripples
- [x] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Project ID: TLRR **Cross section ID:** AD3 **Date:** 3/1/17 **Time:**

Floodplain unit: ☒ Low-Flow Channels ☐ Active Floodplain ☐ Low Terrace

GPS point: (1) 35.01791099, -116.5138 9729

Characteristics of the floodplain unit:

Average sediment texture: Sandy

Total veg cover: 10 % Tree: 8 % Shrub: 19 % Herb: 1 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☒ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

(2) 35.018055 14, 116.51368707

(3) 35.01818035, -116.51332464

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____ % Shrub: _____ % Herb: _____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR
Project Number:
Stream: B203
Investigator(s): Bryant Reynolds Brad Olson

Date: 2-N-12
Town:
Photo begin file#:

Time:
State: AZ
Photo end file#:

Y ☒ / N ☐ Do normal circumstances exist on the site?

Y ☐ / N ☒ Is the site significantly disturbed?

Location Details:

Projection: **Datum:** WGS 84
Coordinates: 35.05316 W 111° 42.15"

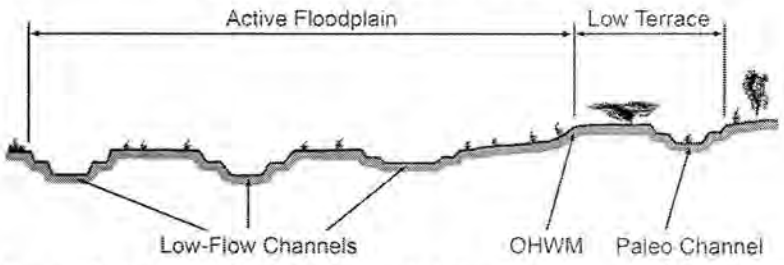
Potential anthropogenic influences on the channel system:

Brief site description:
Front compd channel

Checklist of resources (if available):

- ☐ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
- ☐ History of recent effective discharges
- ☐ Results of flood frequency analysis
- ☐ Most recent shift-adjusted rating
- ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units



Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☐ Digitized on computer
   - ☒ GPS
   - ☐ Other:

Project ID: **Cross section ID:** BVB03 **Date:** **Time:**

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: n35.05315 w 116.42:14

Characteristics of the floodplain unit:

Average sediment texture: sand

Total veg cover: 0 % Tree: 0 % Shrub: 0 % Herb: 0 %

Community successional stage:

- ☐ NA
- ☒ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☒ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: n35.05310 w 116.42171

Characteristics of the floodplain unit:

Average sediment texture: sand

Total veg cover: 0 % Tree: 0 % Shrub: 0 % Herb: 0 %

Community successional stage:

- ☐ NA
- ☒ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☒ Ripples
- ☒ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

WOHT

Project ID: TLRR **Cross section ID:** BB03 **Date:** 2 March 17 **Time:** 1345

Cross section drawing:

OHWM

GPS point: n 35.05310 w116.42171

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [ ] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Floodplain unit:

- [ ] Low-Flow Channel
- [x] Active Floodplain
- [ ] Low Terrace

GPS point: n 35.05317 w116.42136

Characteristics of the floodplain unit:

Average sediment texture: Sand

Total veg cover: 0 % Tree: 0 % Shrub: 0 % Herb: 0 %

Community successional stage:

- [x] NA
- [ ] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [x] Mudcracks
- [x] Ripples
- [x] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Fan

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TURR
Project Number:
Stream: AD5
Investigator(s): ADD, CJN

Date: 3/6/17
Town:
Photo begin file#:

Time: 0900
State: CA
Photo end file#:

Y ☒ / N ☒ Do normal circumstances exist on the site?

Y ☒ / N ☐ Is the site significantly disturbed?

Location Details:

Projection: **Datum:**
Coordinates:

Potential anthropogenic influences on the channel system:
Road adjacent w/ obvious dozer activity (large rocks berming side). Levee is adjacent.

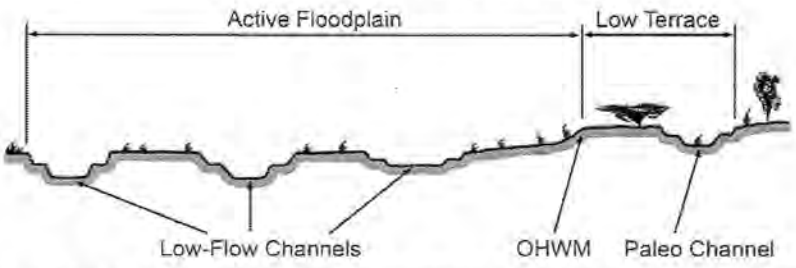
Brief site description: In large alluvial fan (very rocky) ~3 miles from I-15. Entering a drainage coming ~~Southwest~~ from the SW.

Checklist of resources (if available):

- ☒ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies

- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units



Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
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3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
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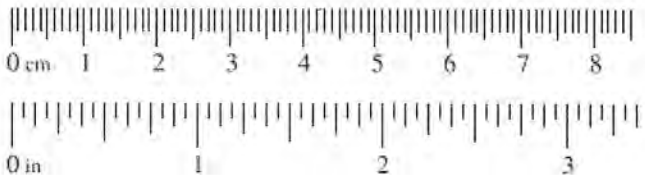
   - ☐ Mapping on aerial photograph
   - ☒ GPS
   - ☐ Digitized on computer
   - ☐ Other:

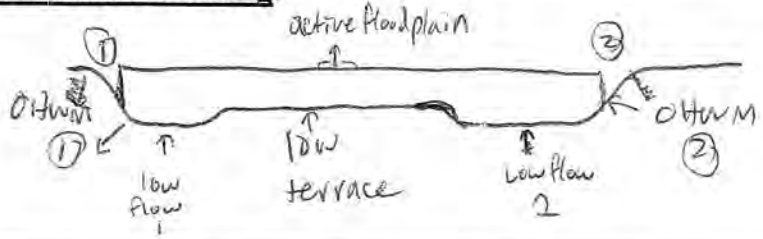
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	Gravel
2.56	64	Cobble	Gravel
0.157	4	Pebble	Gravel
0.079	2.00	Granule	Gravel
0.039	1.00	Very coarse sand	Sand
0.020	0.50	Coarse sand	Sand
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	Sand
1/8 0.0025	0.0625	Very fine sand	Sand
1/16 0.0012	0.031	Coarse silt	Silt
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	Silt
1/128 0.00015	0.0039	Very fine silt	Silt
		Clay	Mud



Project ID: TCRR **Cross section ID:** AD5 **Date:** 3/6/17 **Time:** 0900

Cross section drawing:



OHWM

GPS point: (1) 35.16780898, -116.20021261
(2) 35.16781109, -116.20041545

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [x] Change in vegetation cover
- [ ] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Floodplain unit: [ ] Low-Flow Channel [x] Active Floodplain [ ] Low Terrace

GPS point: (1) 35.16781007, -116.20020658
(2) 35.16761767, -116.20039064

Characteristics of the floodplain unit:

Average sediment texture: small d large cobble w/ sandy spots
Total veg cover: ~~8 75~~ 50 % Tree: 0 % Shrub: 35 % Herb: 15 %
Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [x] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Project ID: TLR **Cross section ID:** A05 **Date:** 3/6/17 **Time:** 0900

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: (1) 35.16781501, -116.20021865
(2) 35.16773388, -116.20029945

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: 50 % Tree: 0 % Shrub: 35 % Herb: 15 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☒ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____ % Shrub: _____ % Herb: _____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR
Project Number:
Stream: AD6
Investigator(s): AAD; CTN

Date: 3/6/17
Town:
Photo begin file#:

Time: 1050
State: CA
Photo end file#:

Y ☒ / N ☐ Do normal circumstances exist on the site?

Y ☐ / N ☒ Is the site significantly disturbed?

Location Details:

Projection: **Datum:**
Coordinates:

Potential anthropogenic influences on the channel system:
Nearby tower, adjacent road [bermed on sides w/ rock]

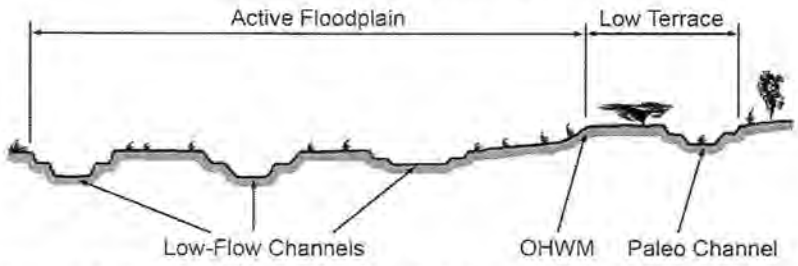
Brief site description:
Large alluvial fan component (wash - very rocky); Creosote brush-scrub
Incised banks.

Checklist of resources (if available):

- ☒ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies

- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

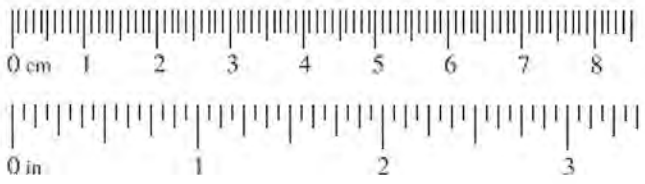


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☐ Digitized on computer
   - ☒ GPS
   - ☐ Other:

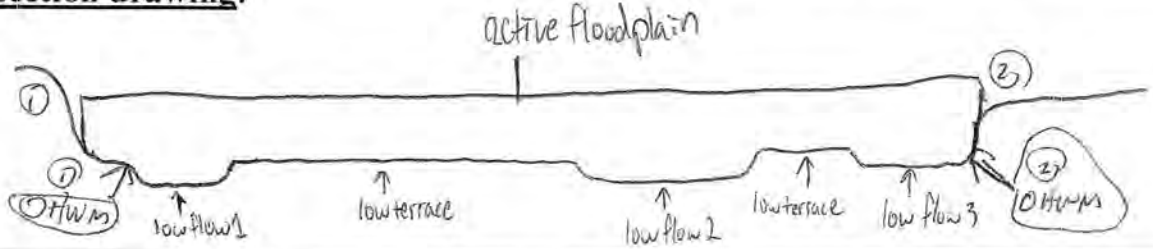
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
		Cobble	Gravel
2.56	64		
0.157	4	Pebble	
		Granule	
0.079	2.00	Very coarse sand	
0.039	1.00	Coarse sand	
0.020	0.50	Medium sand	Sand
1/2 0.0098	0.25	Fine sand	
1/4 0.005	0.125	Very fine sand	
1/8 0.0025	0.0625	Coarse silt	
1/16 0.0012	0.031	Medium silt	
1/32 0.00061	0.0156	Fine silt	Silt
1/64 0.00031	0.0078	Very fine silt	
1/128 0.00015	0.0039	Clay	Mud



Project ID: TLRR **Cross section ID:** A06 **Date:** 3/6/17 **Time:** 1050

Cross section drawing:



OHWM 1 35.17423749; -116.19628720
2 35.17370692, -116.19655777
GPS point:

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Floodplain unit: [ ] Low-Flow Channel [x] Active Floodplain [ ] Low Terrace

GPS point: 1 35.17426298, -116.19629223
2 35.17369979, -116.19656246

Characteristics of the floodplain unit:

Average sediment texture: Small & large cobble w/sand

Total veg cover: 75 % Tree: 0 % Shrub: 65 % Herb: 40 %

Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [x] Mid (herbaceous, shrubs, saplings)
- [x] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Project ID: TLRR **Cross section ID:** AD6 **Date:** 3/6/17 **Time:** 1080

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

① 35.17424701, -116.19622016

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____ % Shrub: _____ % Herb: _____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

② 35.17378036, -116.19649093

③ 35.17372027, -116.19655085

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____ % Shrub: _____ % Herb: _____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: ~~TLRR~~
Project Number: ~~ABSP~~
Stream: A09
Investigator(s): AAD; CJN, JLR

Date: 3/8/17 **Time:** 0900
Town: Baker **State:** CA
Photo begin file#: **Photo end file#:**

Y ☒ / N ☐ Do normal circumstances exist on the site?

Y ☐ / N ☒ Is the site significantly disturbed?

Location Details:

Projection: **Datum:**
Coordinates:

Potential anthropogenic influences on the channel system:
~~Rd~~ Road runs through; some OHV traffic, ~~steel~~ steel structure adjacent

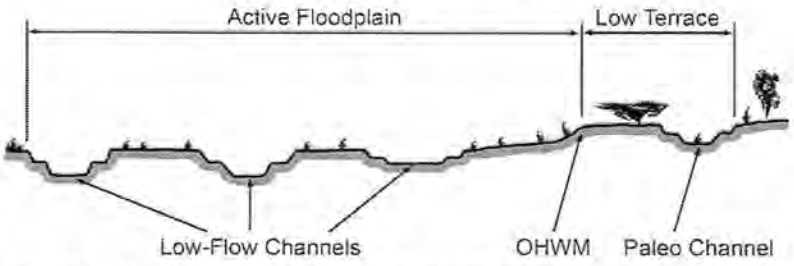
Brief site description: Rocky wash, in Creosote (co-dominant w/ Encelia & shrubs) & cheesebush; at near top of drainage.

Checklist of resources (if available):

- ☒ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies

- ☐ Stream gage data
  Gage number:
  Period of record:
- ☐ History of recent effective discharges
- ☐ Results of flood frequency analysis
- ☐ Most recent shift-adjusted rating
- ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

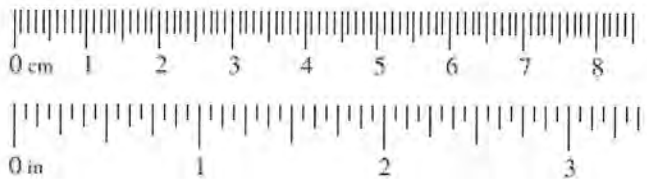


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☒ GPS
   - ☐ Digitized on computer
   - ☐ Other:

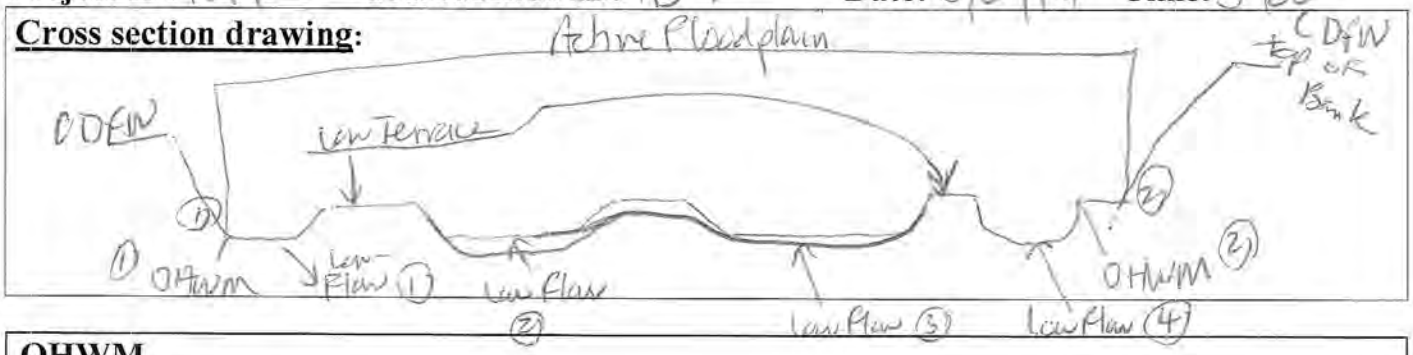
Wentworth Size Classes

Inches (in)	Millimeters (mm)	Wentworth size class	
10.08	256	Boulder	
2.56	64	Cobble	Gravel
0.157	4	Pebble	
0.079	2.00	Granule	
0.039	1.00	Very coarse sand	
0.020	0.50	Coarse sand	
1/2 0.0098	0.25	Medium sand	Sand
1/4 0.005	0.125	Fine sand	
1/8 0.0025	0.0625	Very fine sand	
1/16 0.0012	0.031	Coarse silt	
1/32 0.00061	0.0156	Medium silt	Silt
1/64 0.00031	0.0078	Fine silt	
1/128 0.00015	0.0039	Very fine silt	
		Clay	Mud



Project ID: TLR **Cross section ID:** 409 **Date:** 3/8/17 **Time:** 0900

Cross section drawing:



OHWM

GPS point: (1) (2) → 35.23379544 -116.12977613

Indicators:

- [x] Change in average sediment texture
- [ ] Change in vegetation species
- [x] Change in vegetation cover
- [x] Break in bank slope
- [ ] Other: _____
- [ ] Other: _____

Comments:

Floodplain unit:

- [ ] Low-Flow Channel
- [x] Active Floodplain
- [ ] Low Terrace

GPS point: (1) 35.23362757, -116.12975366

(2) 35.23380978, -116.12977948

Characteristics of the floodplain unit:

Average sediment texture: small to large cobble

Total veg cover: 40 % Tree: 5 % Shrub: 35 % Herb: 20 %

Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [x] Mid (herbaceous, shrubs, saplings)
- [x] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [x] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Project ID: TLCR **Cross section ID:** A09 **Date:** 3/4/17 **Time:** 0900

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: (1) 35.23364893, -116.1297556 E

Characteristics of the floodplain unit:

Average sediment texture: small cobble

Total veg cover: 35 % Tree: 0 % Shrub: 30 % Herb: 20 % (over lax ivy stalk)

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☒ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

(2) 35.23369192; -116.12977277

(3) 35.23377424; -116.12976075

(4) 35.23376970, -116.12977646

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____ % Shrub: _____ % Herb: _____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR
Project Number:
Stream: BB0306.03
Investigator(s): Bryant Reynolds Brody Olson

Date: 6 March 17 **Time:** 1420
Town: **State:** CA
Photo begin file#: **Photo end file#:**

Y [X] / N [ ] Do normal circumstances exist on the site?

Y [X] / N [ ] Is the site significantly disturbed?

Location Details:

Projection: **Datum:** WGS 84
Coordinates: N 35.44219 W115.70287

Potential anthropogenic influences on the channel system:

Burro disturbance, trails, track and scat motorcycle tracks

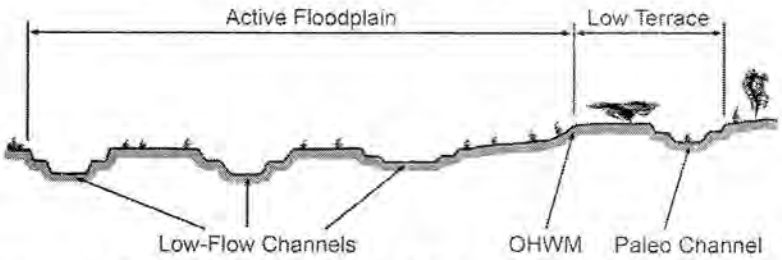
Brief site description:

150 foot floodplain with rabbit brush

Checklist of resources (if available):

- [ ] Aerial photography
  Dates:
- [ ] Topographic maps
- [ ] Geologic maps
- [ ] Vegetation maps
- [ ] Soils maps
- [ ] Rainfall/precipitation maps
- [ ] Existing delineation(s) for site
- [X] Global positioning system (GPS)
- [ ] Other studies
- [ ] Stream gage data
  Gage number:
  Period of record:
- [ ] History of recent effective discharges
- [ ] Results of flood frequency analysis
- [ ] Most recent shift-adjusted rating
- [ ] Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

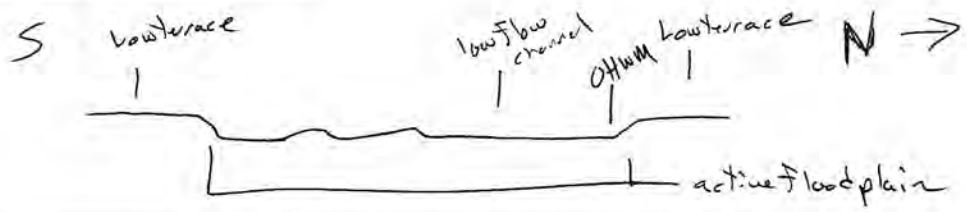


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - [ ] Mapping on aerial photograph
   - [X] GPS
   - [ ] Digitized on computer
   - [ ] Other:

Project ID: TLRR **Cross section ID:** BB0306.03 **Date:** 6 March 17 **Time:** 1415

Cross section drawing:



OHWM

GPS point: N 35.44247 W 115.70277

Indicators:

- [X] Change in average sediment texture
- [ ] Change in vegetation species
- [X] Change in vegetation cover
- [X] Break in bank slope
- [X] Other: debris
- [ ] Other: _____

Comments:

Floodplain unit:

- [ ] Low-Flow Channel
- [X] Active Floodplain
- [ ] Low Terrace

GPS point: N 35.44245 W 115.70278 (N)

Characteristics of the floodplain unit:

Average sediment texture: sand

Total veg cover: 40 % Tree: 0 % Shrub: 40 % Herb: 0 %

Community successional stage:

- [ ] NA
- [ ] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [X] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [X] Ripples
- [X] Drift and/or debris
- [X] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Project ID: TLRR **Cross section ID:** BB0306.03 **Date:** 6 March 17 **Time:** 14 15

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: N 35.44244 W 115.70285

Characteristics of the floodplain unit:

Average sediment texture: Sand

Total veg cover: 0 % Tree: 0 % Shrub: 0 % Herb: 0 %

Community successional stage:

- ☒ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☒ Ripples
- ☐ Drift and/or debris
- ☒ Presence of bed and bank
- ☒ Benches
- ☐ Soil development
- ☐ Surface relief
- ☒ Other: scoured
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: N 35.44241 W 115.70303

Characteristics of the floodplain unit:

Average sediment texture: Sand

Total veg cover: 25 % Tree: 0 % Shrub: 25 % Herb: 0 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☒ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☒ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR | **Date:** 6 March 17 | **Time:** 1450
Project Number: | **Town:** | **State:** CA
Stream: BB0306.05 | **Photo begin file#:** | **Photo end file#:**
Investigator(s): Bryant Reynolds Brady Olson

Y [X] / N [ ] Do normal circumstances exist on the site?

Y [ ] / N [X] Is the site significantly disturbed?

Location Details:

Projection: **Datum:** WGS 84
Coordinates: N 35.44570 W115.69662

Potential anthropogenic influences on the channel system:

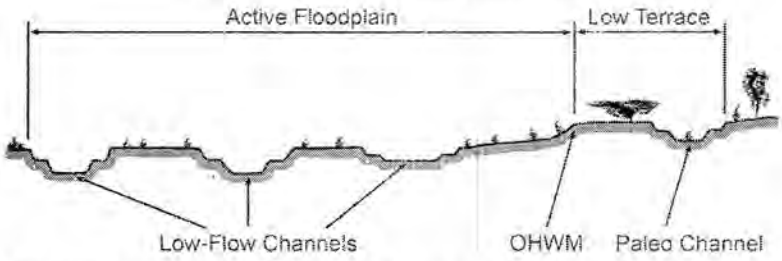
Brief site description:

Floodplain in low plain area, borro disturbance

Checklist of resources (if available):

- [ ] Aerial photography
  Dates:
- [ ] Topographic maps
- [ ] Geologic maps
- [ ] Vegetation maps
- [ ] Soils maps
- [ ] Rainfall/precipitation maps
- [ ] Existing delineation(s) for site
- [X] Global positioning system (GPS)
- [ ] Other studies
- [ ] Stream gage data
  Gage number:
  Period of record:
  - [ ] History of recent effective discharges
  - [ ] Results of flood frequency analysis
  - [ ] Most recent shift-adjusted rating
  - [ ] Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

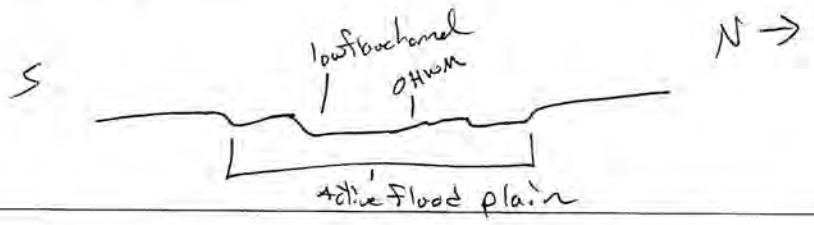


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - [ ] Mapping on aerial photograph
   - [X] GPS
   - [ ] Digitized on computer
   - [ ] Other:

Project ID: TLRR **Cross section ID:** BB0306-05 **Date:** 6 March 17 **Time:** 1450

Cross section drawing:



OHWM

GPS point: N 35.44571 W115.69657

Indicators:

- ☐ Change in average sediment texture
- ☐ Change in vegetation species
- ☐ Change in vegetation cover
- ☐ Break in bank slope
- ☒ Other: debris on shrubs
- ☒ Other: plants bent over

Comments:

Floodplain unit: ☒ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: N 35.44571 W115.69661

Characteristics of the floodplain unit:

Average sediment texture: sand

Total veg cover: 0 % Tree: 0 % Shrub: 0 % Herb: 0 %

Community successional stage:

- ☒ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☒ Other: scouring of stream bed
- ☐ Other: _____
- ☐ Other: _____

Comments:

Project ID: TLRR **Cross section ID:** BB0306.05 **Date:** 6 March 17 **Time:** 1450

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: N 35.44572 W115.69662 (s)

Characteristics of the floodplain unit:

Average sediment texture: Sand

Total veg cover: 60 % Tree: 0 % Shrub: 60 % Herb: 0 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

South side

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: N 35.44577 W 115.69647 (N)

Characteristics of the floodplain unit:

Average sediment texture: Sand

Total veg cover: 35 % Tree: 0 % Shrub: 25 % Herb: 10 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☒ Benches
- ☒ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

North side

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR
Project Number:
Stream: BB0306-01
Investigator(s): ~~BB0306~~ Bryant Reynolds Brody Olson

Date: 6 March 17 **Time:** 1000
Town:
State: CT
Photo begin file#: **Photo end file#:**

Y ☒ / N ☐ Do normal circumstances exist on the site?

Y ☐ / N ☒ Is the site significantly disturbed?

Location Details:

Projection: **Datum:** WGS84
Coordinates: N 35.48360 W 115.61815

Potential anthropogenic influences on the channel system:

Vehicle traffic

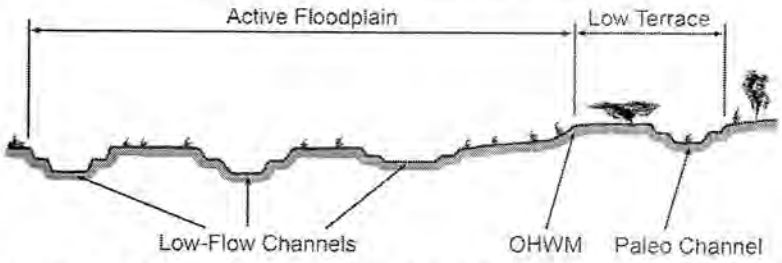
Brief site description:

Very broad >500 FT, OHWM throughout

Checklist of resources (if available):

- ☐ Aerial photography
  Dates:
- ☐ Topographic maps
- ☐ Geologic maps
- ☐ Vegetation maps
- ☐ Soils maps
- ☐ Rainfall/precipitation maps
- ☐ Existing delineation(s) for site
- ☒ Global positioning system (GPS)
- ☐ Other studies
- ☐ Stream gage data
  Gage number:
  Period of record:
  - ☐ History of recent effective discharges
  - ☐ Results of flood frequency analysis
  - ☐ Most recent shift-adjusted rating
  - ☐ Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

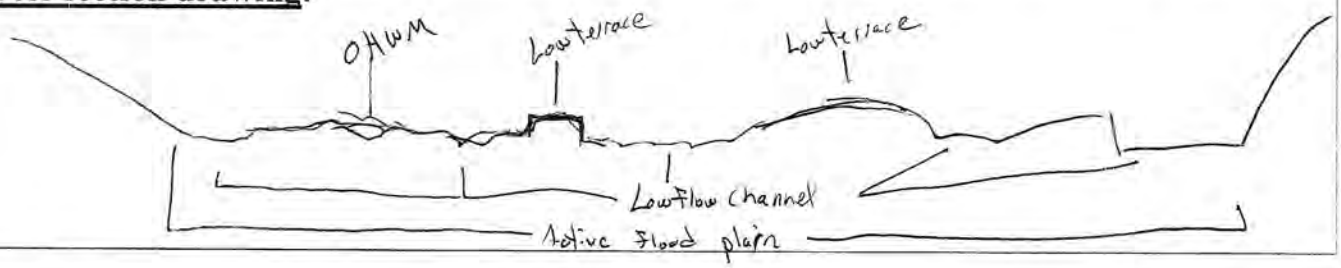


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - ☐ Mapping on aerial photograph
   - ☐ Digitized on computer
   - ☒ GPS
   - ☐ Other:

Project ID: TLRR **Cross section ID:** BB0306.01 **Date:** 6 Mar 17 **Time:** 1000

Cross section drawing:



OHWM

GPS point: N 35.48360 W115.61815

Indicators:

- [X] Change in average sediment texture
- [ ] Change in vegetation species
- [X] Change in vegetation cover
- [X] Break in bank slope
- [X] Other: litter / debris
- [ ] Other: _____

Comments:

Floodplain unit: [X] Low-Flow Channel [ ] Active Floodplain [ ] Low Terrace

GPS point: N 35.48363 W115.61818

Characteristics of the floodplain unit:

Average sediment texture: gravel

Total veg cover: 5 % Tree: 0 % Shrub: 0 % Herb: 5 %

Community successional stage:

- [ ] NA
- [X] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [ ] Ripples
- [ ] Drift and/or debris
- [X] Presence of bed and bank
- [X] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Also used as road

Project ID: TLRR **Cross section ID:** BB0306.01 **Date:** 6 Jun 17 **Time:** 1000

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☒ Low Terrace

GPS point: N 35.48365 W 115.61424

Characteristics of the floodplain unit:

Average sediment texture: cobble

Total veg cover: 30 % Tree: 5 % Shrub: 15 % Herb: 10 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☒ Mudcracks
- ☒ Ripples
- ☒ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☒ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

low terrace with mature vegetation and some OHWM indicators

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: N 35 48404 W 115.61829

Characteristics of the floodplain unit:

Average sediment texture: gravel

Total veg cover: 35 % Tree: 5 % Shrub: 10 % Herb: 20 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Arid West Ephemeral and Intermittent Streams OHWM Datasheet

Project: TLRR
Project Number:
Stream: BB 0306.02
Investigator(s): Bryant Reynolds Brody Olson

Date: 06 March 17 **Time:** 1300
Town: **State:** CA
Photo begin file#: **Photo end file#:**

Y [X] / N [ ] Do normal circumstances exist on the site?

Y [ ] / N [X] Is the site significantly disturbed?

Location Details:

Projection: **Datum:** WGS 84
Coordinates: N35.49137 W115.59115

Potential anthropogenic influences on the channel system:

Access road crosses wash

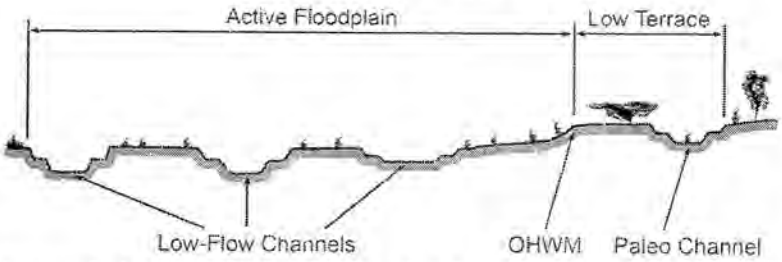
Brief site description:

steep, deep cuts in caliche

Checklist of resources (if available):

- [ ] Aerial photography
  Dates:
- [ ] Topographic maps
- [ ] Geologic maps
- [ ] Vegetation maps
- [ ] Soils maps
- [ ] Rainfall/precipitation maps
- [ ] Existing delineation(s) for site
- [x] Global positioning system (GPS)
- [ ] Other studies
- [ ] Stream gage data
  Gage number:
  Period of record:
  - [ ] History of recent effective discharges
  - [ ] Results of flood frequency analysis
  - [ ] Most recent shift-adjusted rating
  - [ ] Gage heights for 2-, 5-, 10-, and 25-year events and the most recent event exceeding a 5-year event

Hydrogeomorphic Floodplain Units

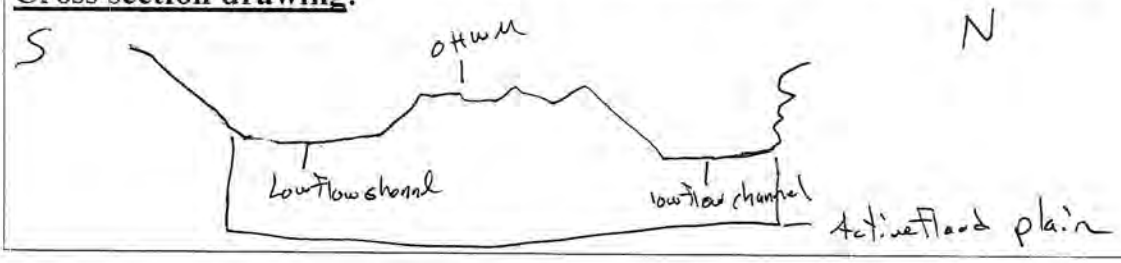


Procedure for identifying and characterizing the floodplain units to assist in identifying the OHWM:

1. Walk the channel and floodplain within the study area to get an impression of the geomorphology and vegetation present at the site.
2. Select a representative cross section across the channel. Draw the cross section and label the floodplain units.
3. Determine a point on the cross section that is characteristic of one of the hydrogeomorphic floodplain units.
   a) Record the floodplain unit and GPS position.
   b) Describe the sediment texture (using the Wentworth class size) and the vegetation characteristics of the floodplain unit.
   c) Identify any indicators present at the location.
4. Repeat for other points in different hydrogeomorphic floodplain units across the cross section.
5. Identify the OHWM and record the indicators. Record the OHWM position via:
   - [ ] Mapping on aerial photograph
   - [ ] Digitized on computer
   - [x] GPS
   - [ ] Other:

Project ID: TLRR **Cross section ID:** BB0306.02 **Date:** 6 March 17 **Time:** 1300

Cross section drawing:



OHWM

GPS point: N 35.49147 W115.59117

Indicators:

- [X] Change in average sediment texture
- [ ] Change in vegetation species
- [X] Change in vegetation cover
- [X] Break in bank slope
- [X] Other: debris
- [ ] Other: _____

Comments:

Floodplain unit: [X] Low-Flow Channel [ ] Active Floodplain [ ] Low Terrace

GPS point: N35.49144 W115.59123

Characteristics of the floodplain unit:

Average sediment texture: cobble

Total veg cover: 0 % Tree: 0 % Shrub: 0 % Herb: 0 %

Community successional stage:

- [ ] NA
- [X] Early (herbaceous & seedlings)
- [ ] Mid (herbaceous, shrubs, saplings)
- [ ] Late (herbaceous, shrubs, mature trees)

Indicators:

- [ ] Mudcracks
- [X] Ripples
- [X] Drift and/or debris
- [X] Presence of bed and bank
- [ ] Benches
- [ ] Soil development
- [ ] Surface relief
- [ ] Other: _____
- [ ] Other: _____
- [ ] Other: _____

Comments:

Project ID: TLRR **Cross section ID:** BB0306.02 **Date:** 6 March 17 **Time:** 1300

Floodplain unit: ☐ Low-Flow Channel ☒ Active Floodplain ☐ Low Terrace

GPS point: N 35.49158 W 115.59095

Characteristics of the floodplain unit:

Average sediment texture: cobble

Total veg cover: 45 % Tree: 5 % Shrub: 40 % Herb: 0 %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☒ Late (herbaceous, shrubs, mature trees)

Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☒ Drift and/or debris
- ☒ Presence of bed and bank
- ☒ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

Floodplain unit: ☐ Low-Flow Channel ☐ Active Floodplain ☐ Low Terrace

GPS point: _____

Characteristics of the floodplain unit:

Average sediment texture: _____

Total veg cover: _____ % Tree: _____ % Shrub: _____ % Herb: _____ %

Community successional stage:

- ☐ NA
- ☐ Early (herbaceous & seedlings)
- ☐ Mid (herbaceous, shrubs, saplings)
- ☐ Late (herbaceous, shrubs, mature trees)

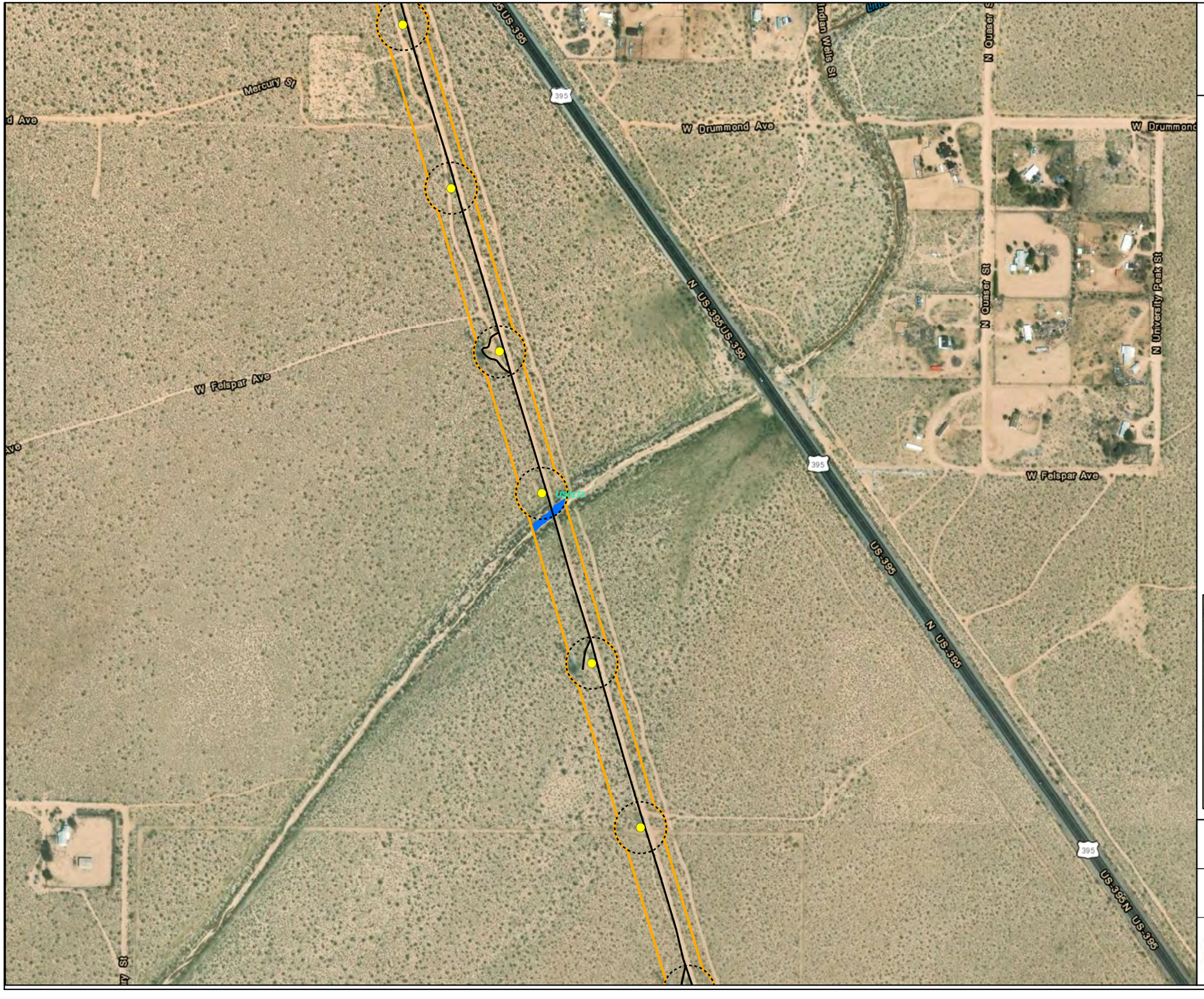
Indicators:

- ☐ Mudcracks
- ☐ Ripples
- ☐ Drift and/or debris
- ☐ Presence of bed and bank
- ☐ Benches
- ☐ Soil development
- ☐ Surface relief
- ☐ Other: _____
- ☐ Other: _____
- ☐ Other: _____

Comments:

ATTACHMENT E

USACE/RWQCB Jurisdictional Waters Mapping

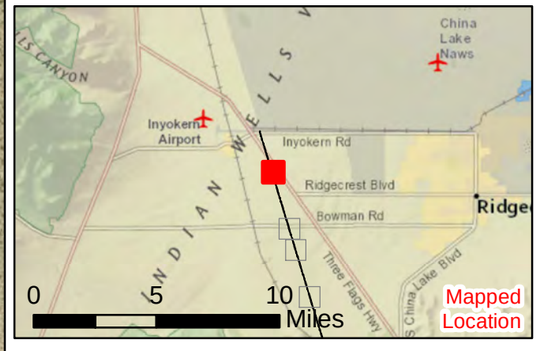


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

1 of 199

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
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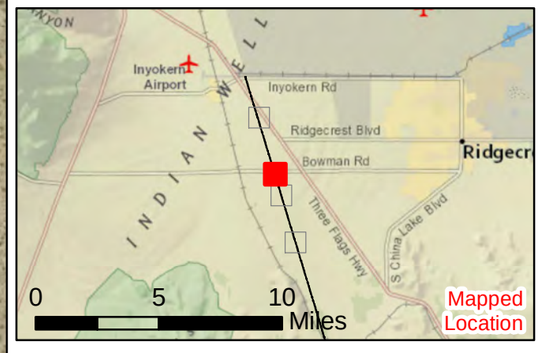
Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

2 of 199

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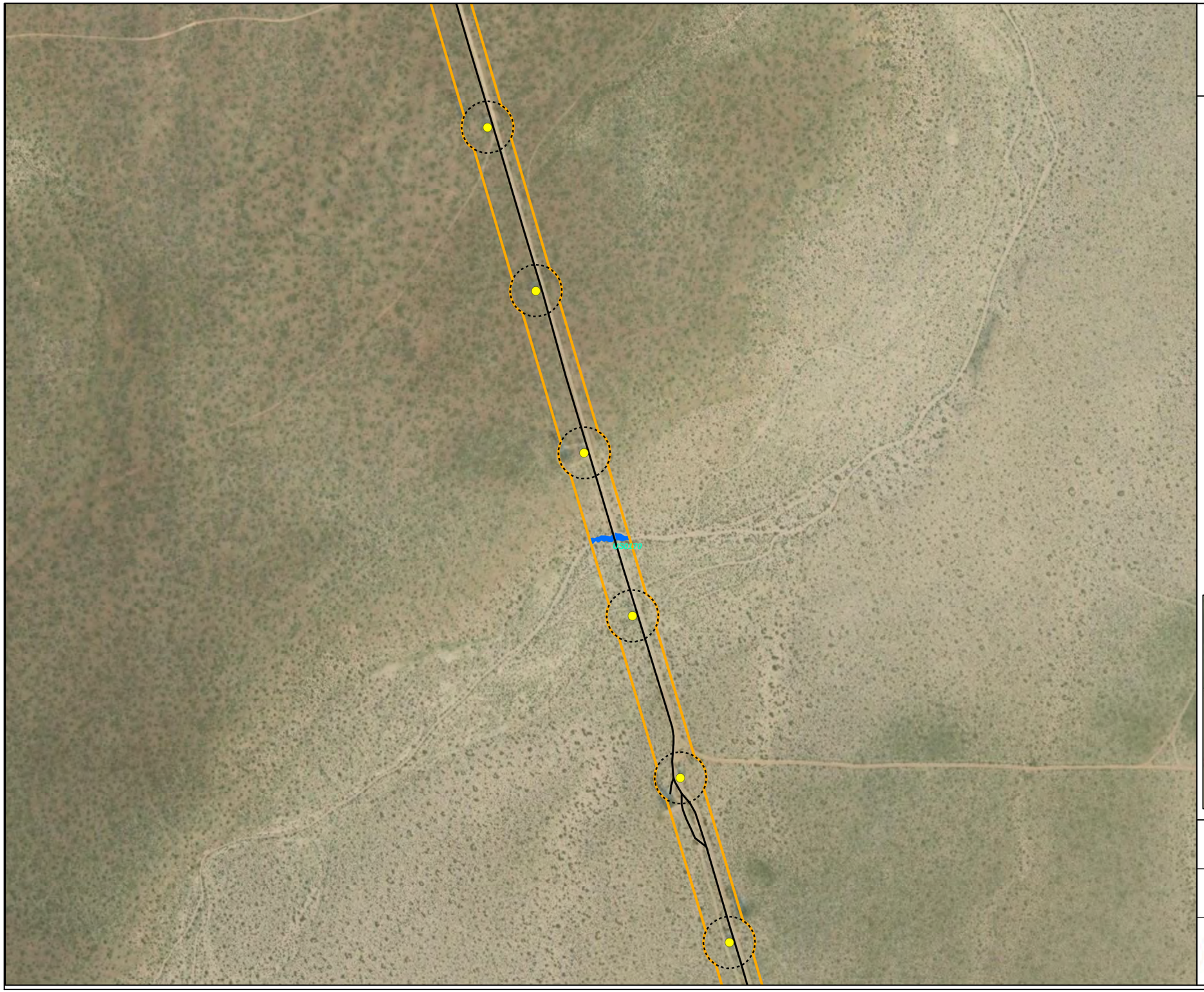
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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Legend

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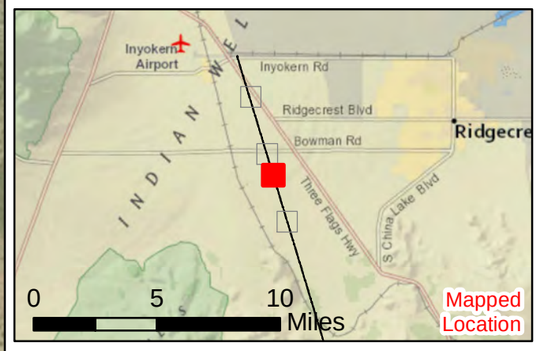
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

3 of 199

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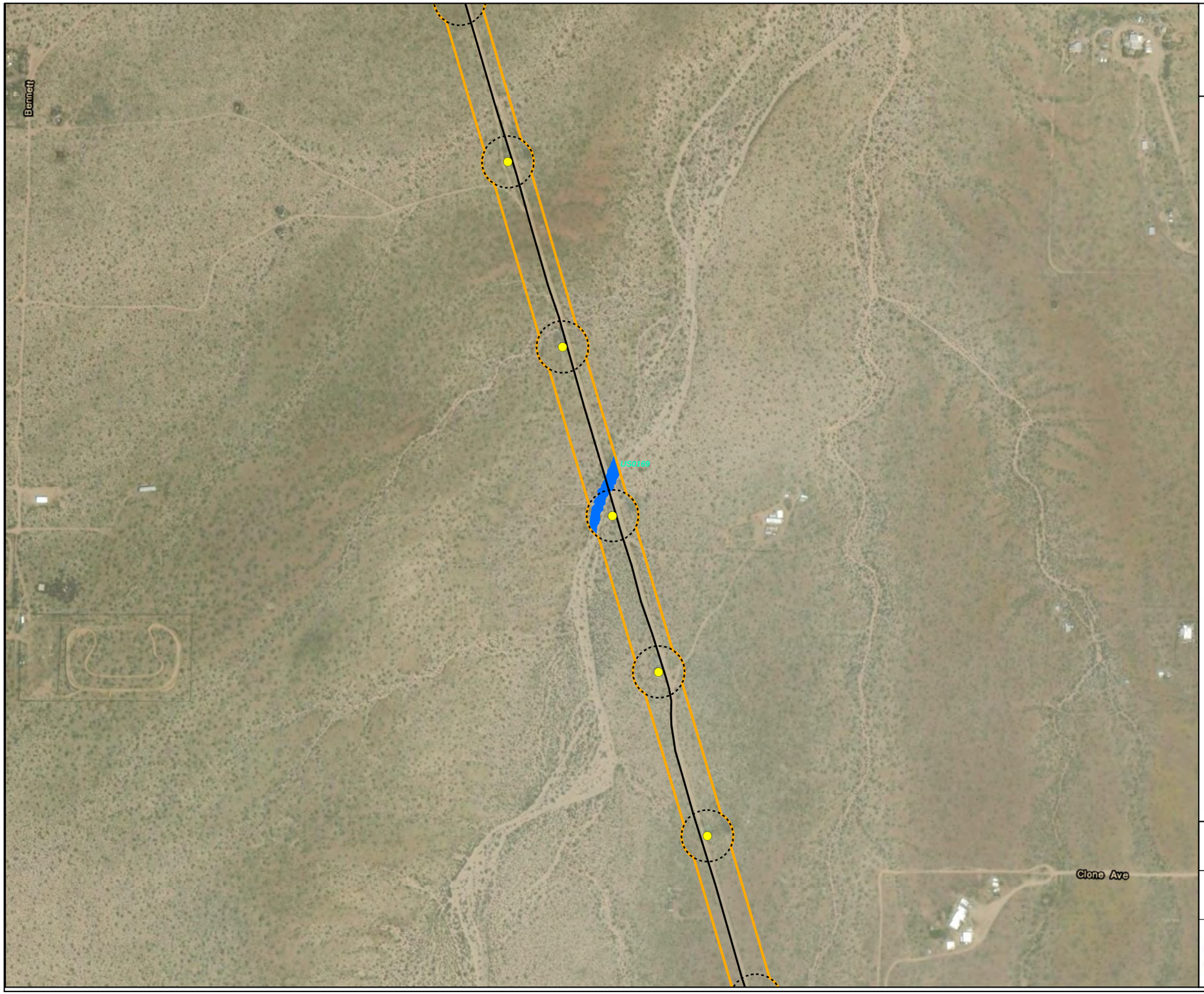

SOUTHERN CALIFORNIA EDISON
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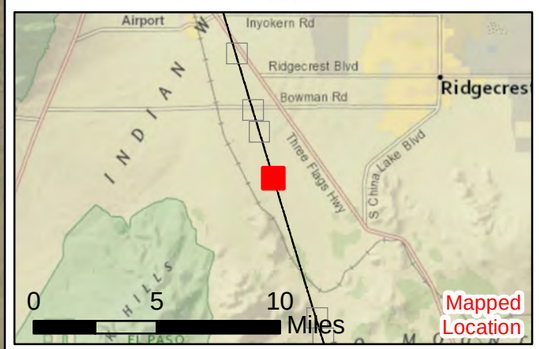
Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

4 of 199

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
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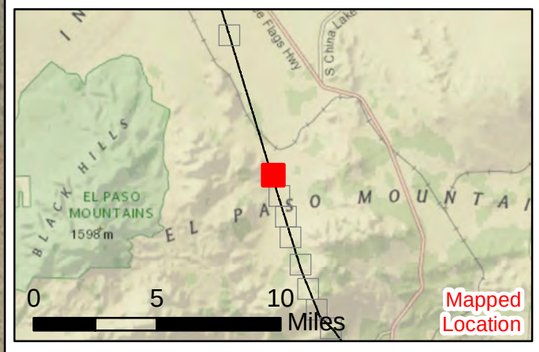
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

5 of 199

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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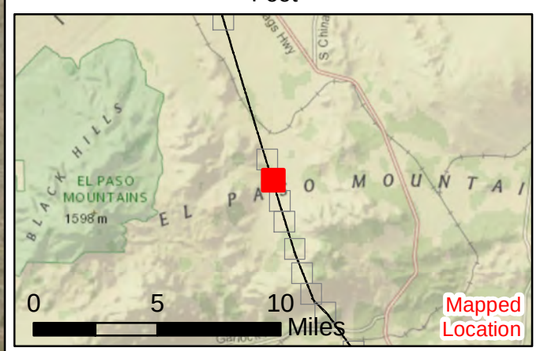
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

6 of 199

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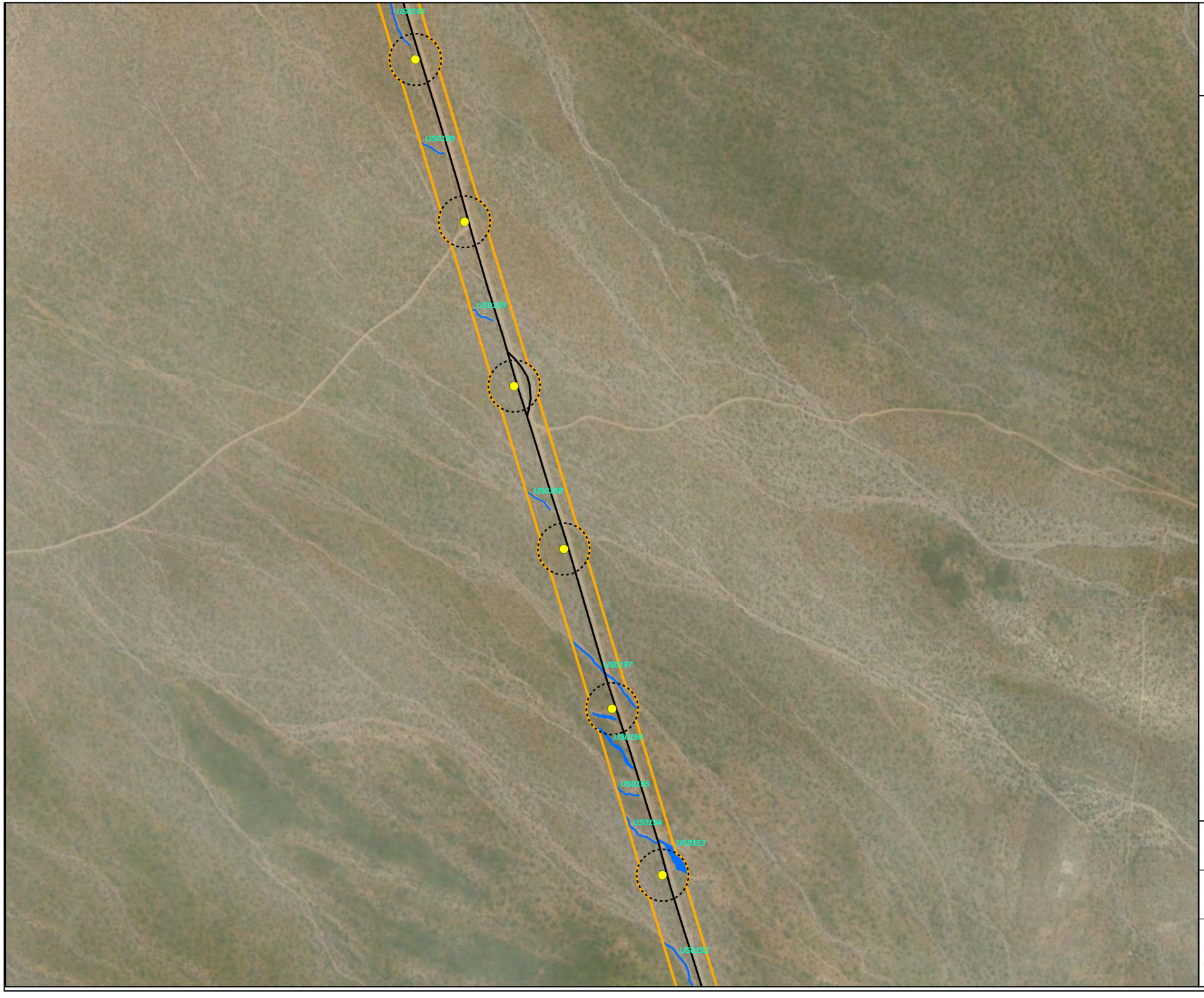
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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Legend

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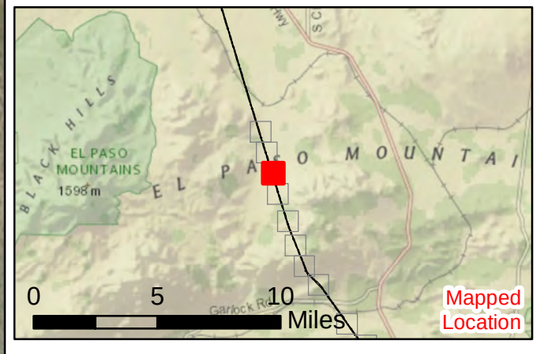
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

7 of 199

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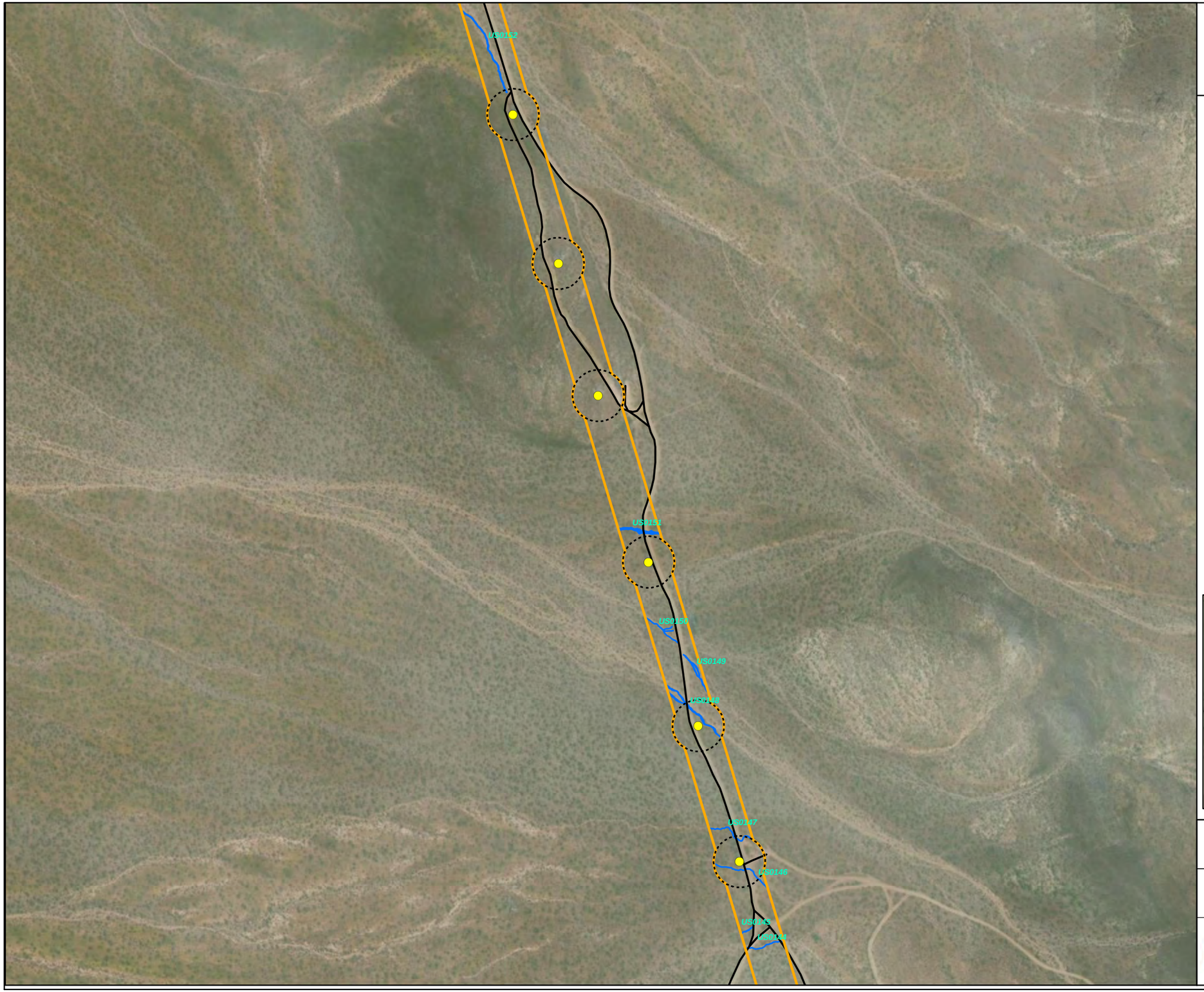
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON®
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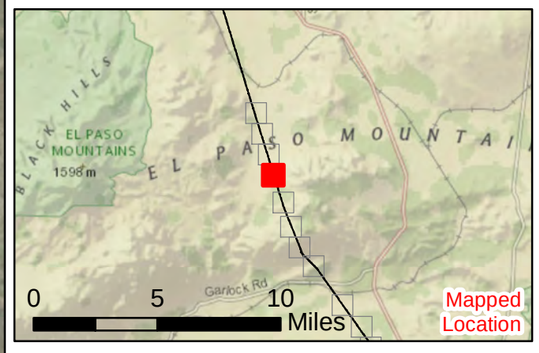
Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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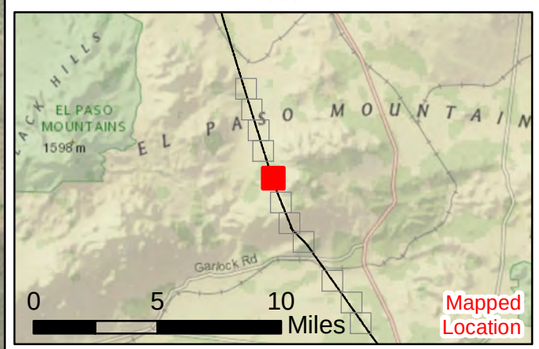
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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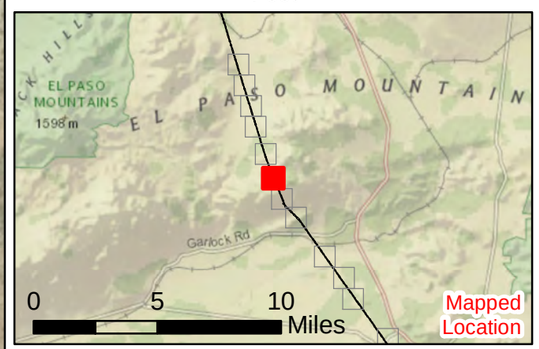
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON®
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Legend

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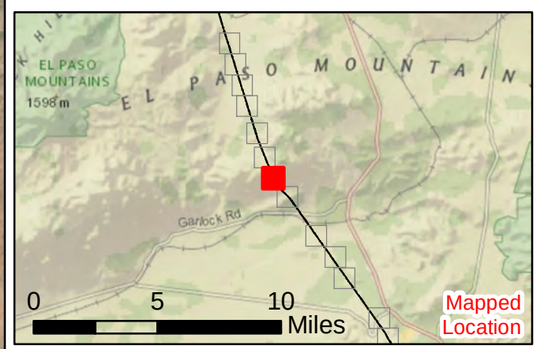
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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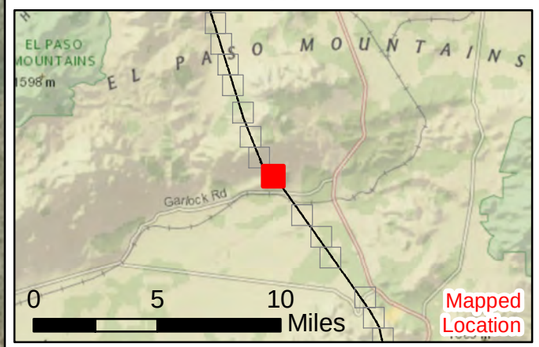
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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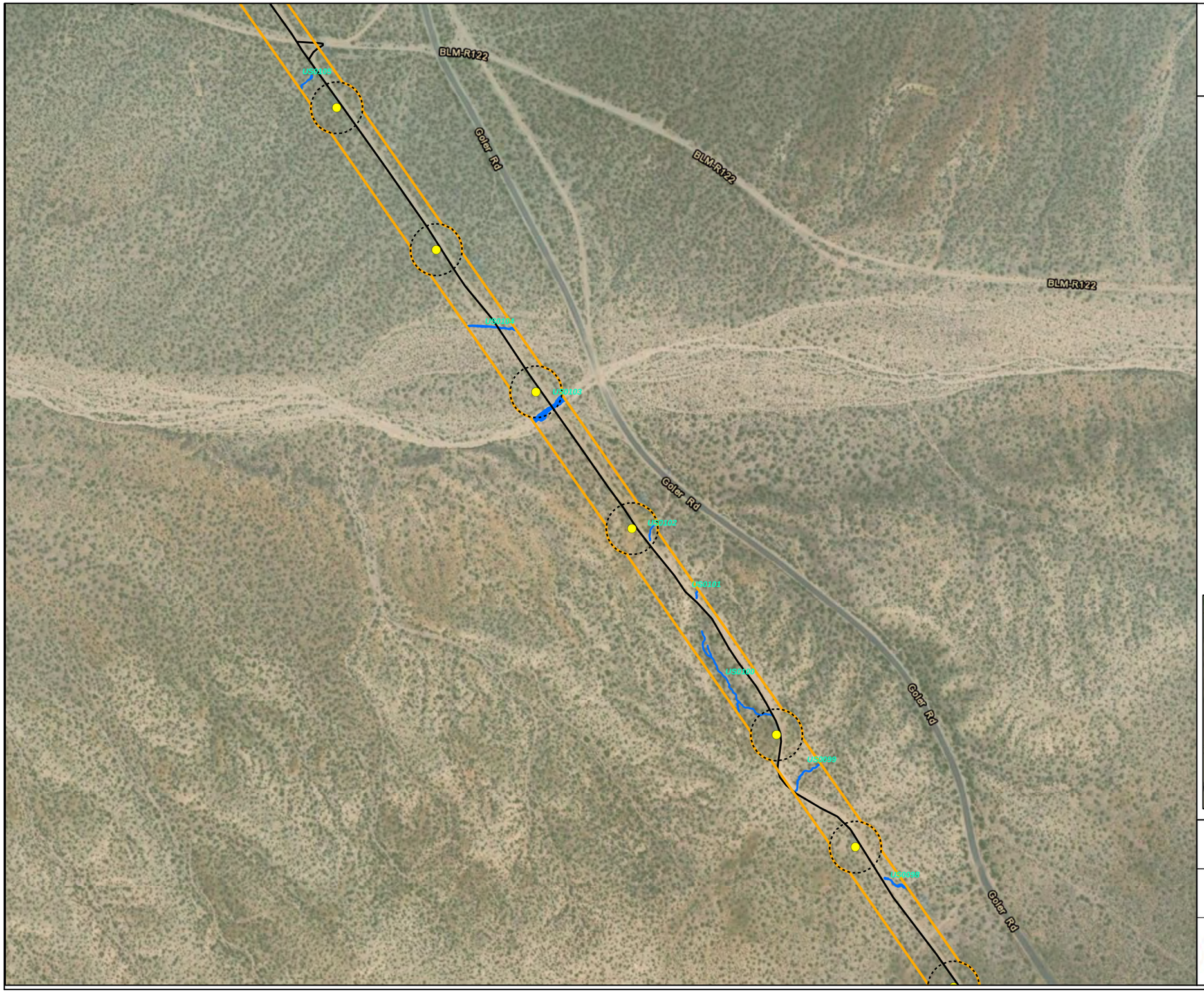
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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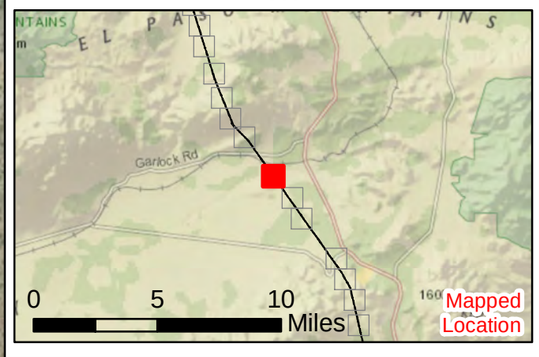
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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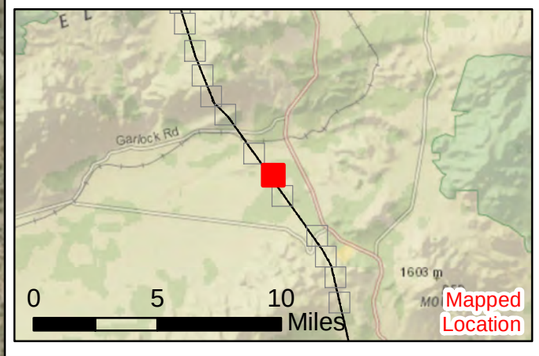
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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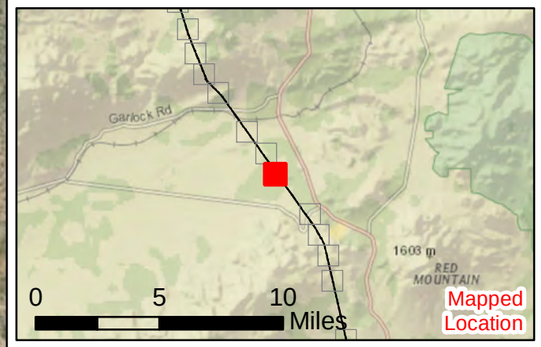
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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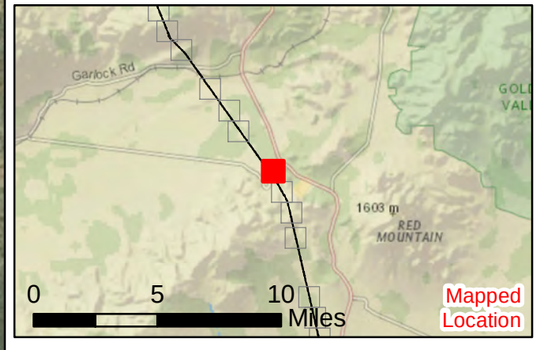
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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0 500 1,000
Feet

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Coordinate System: NAD 1983 UTM Zone 11N

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Legend

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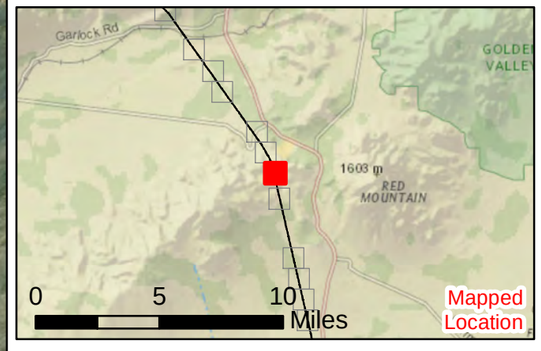
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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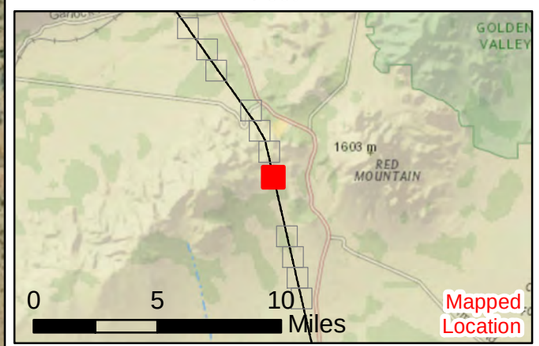
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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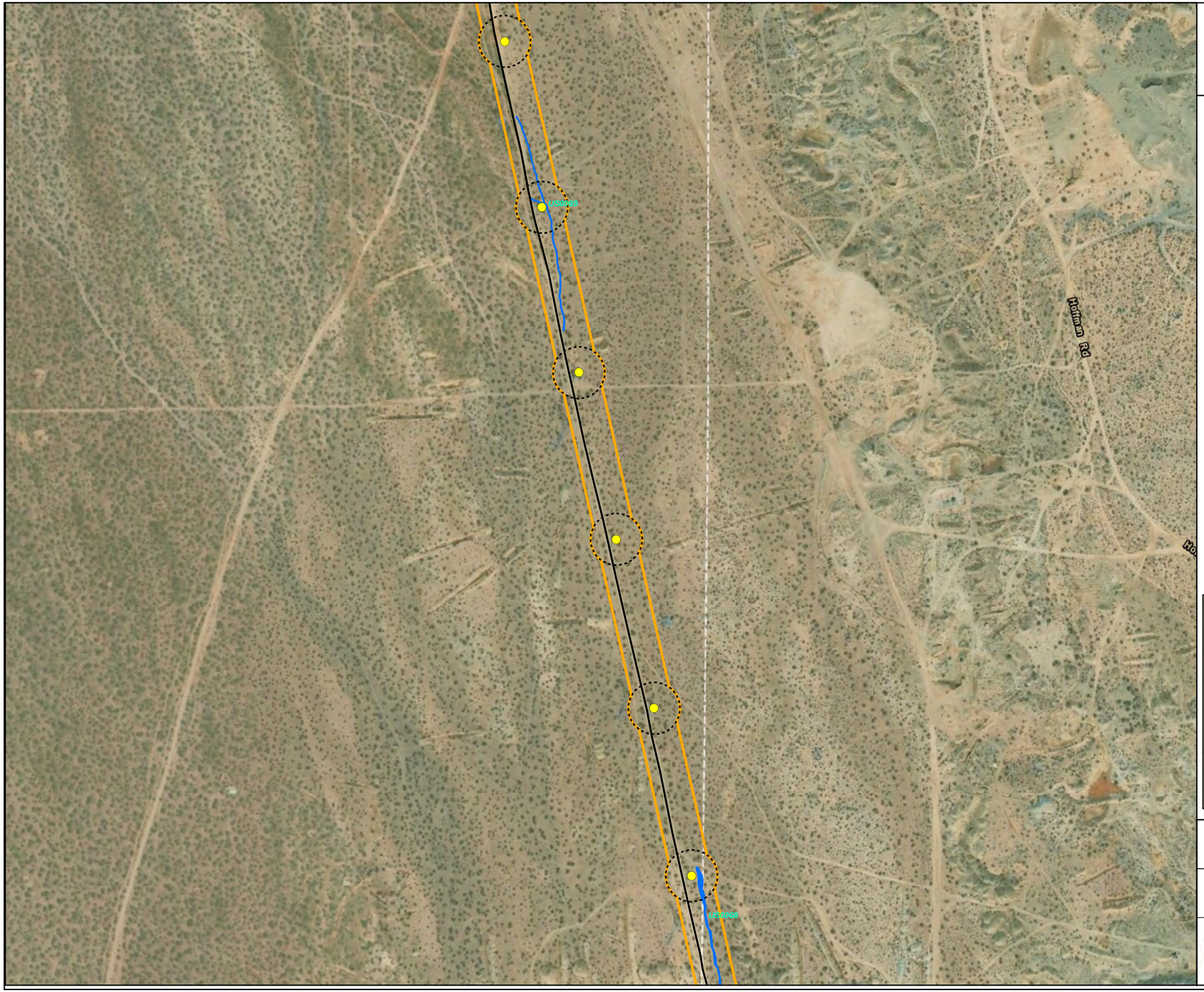
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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Legend

- Existing Structure Location
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- USACE/RWQCB Other Waters
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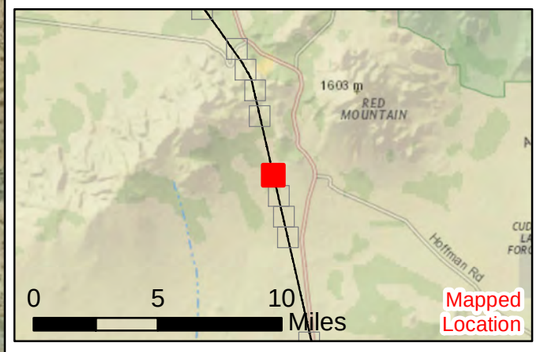
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
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Legend

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- Survey Area
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- USACE/RWQCB Other Waters
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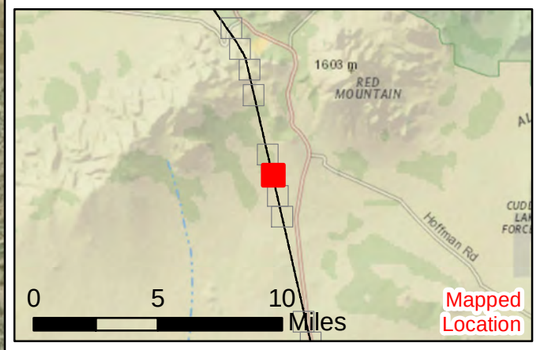
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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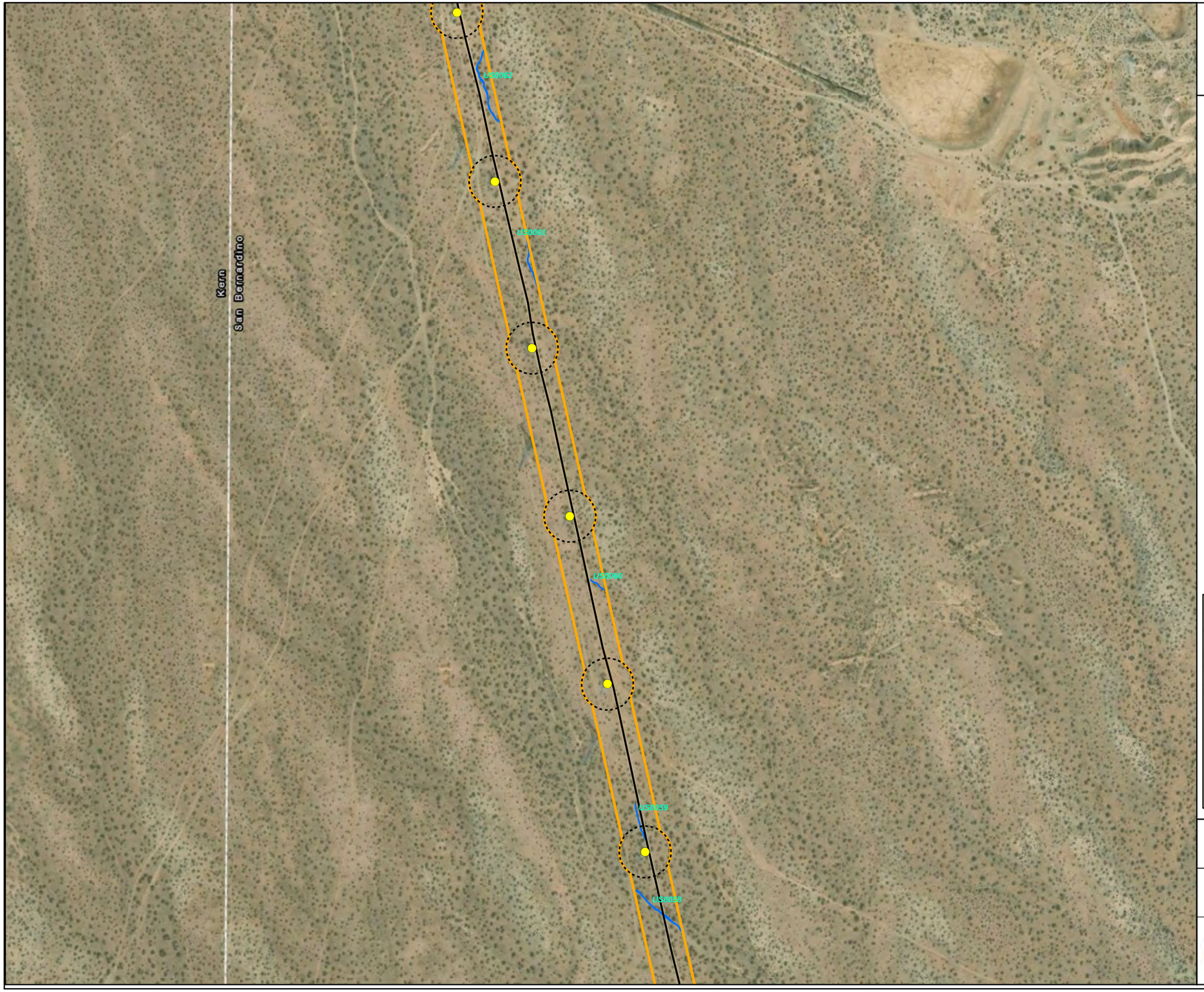
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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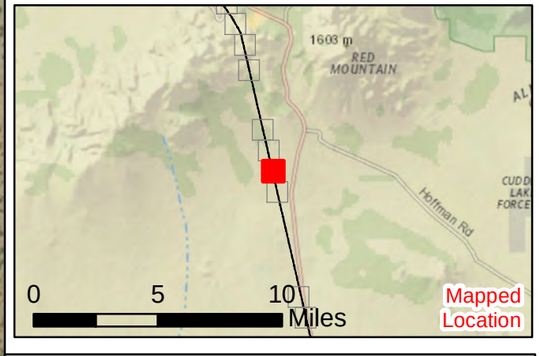
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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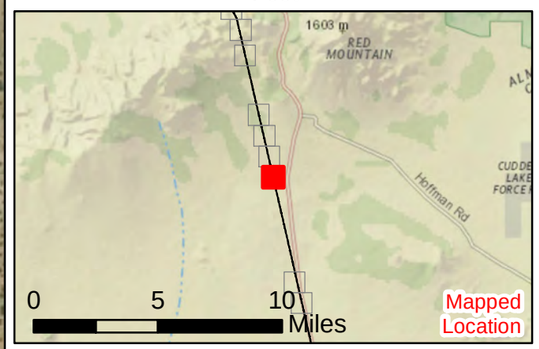

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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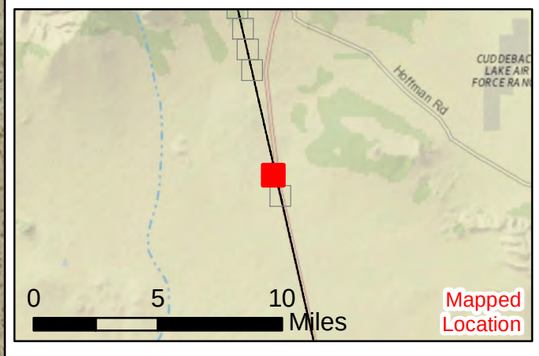

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON®
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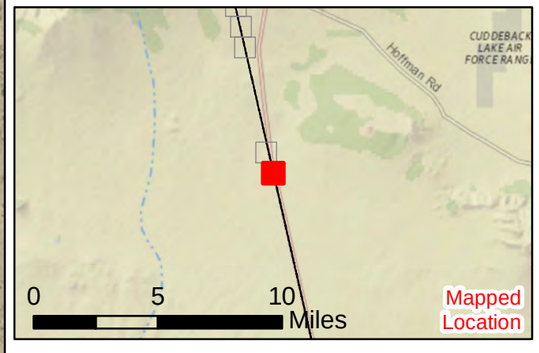

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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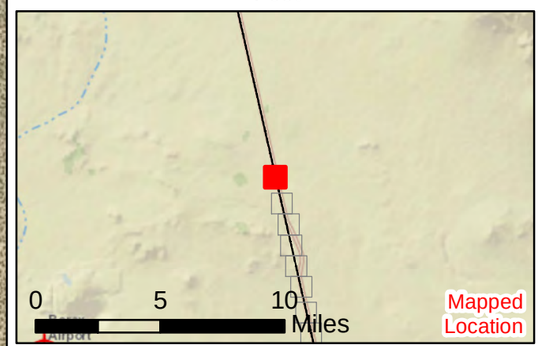

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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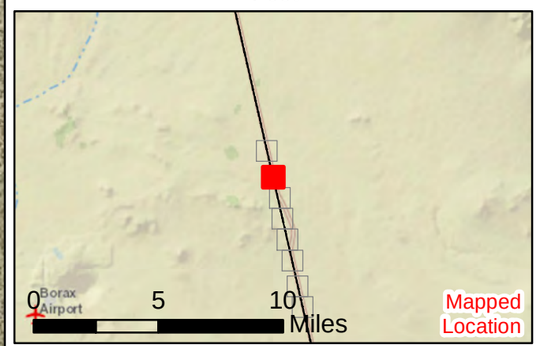

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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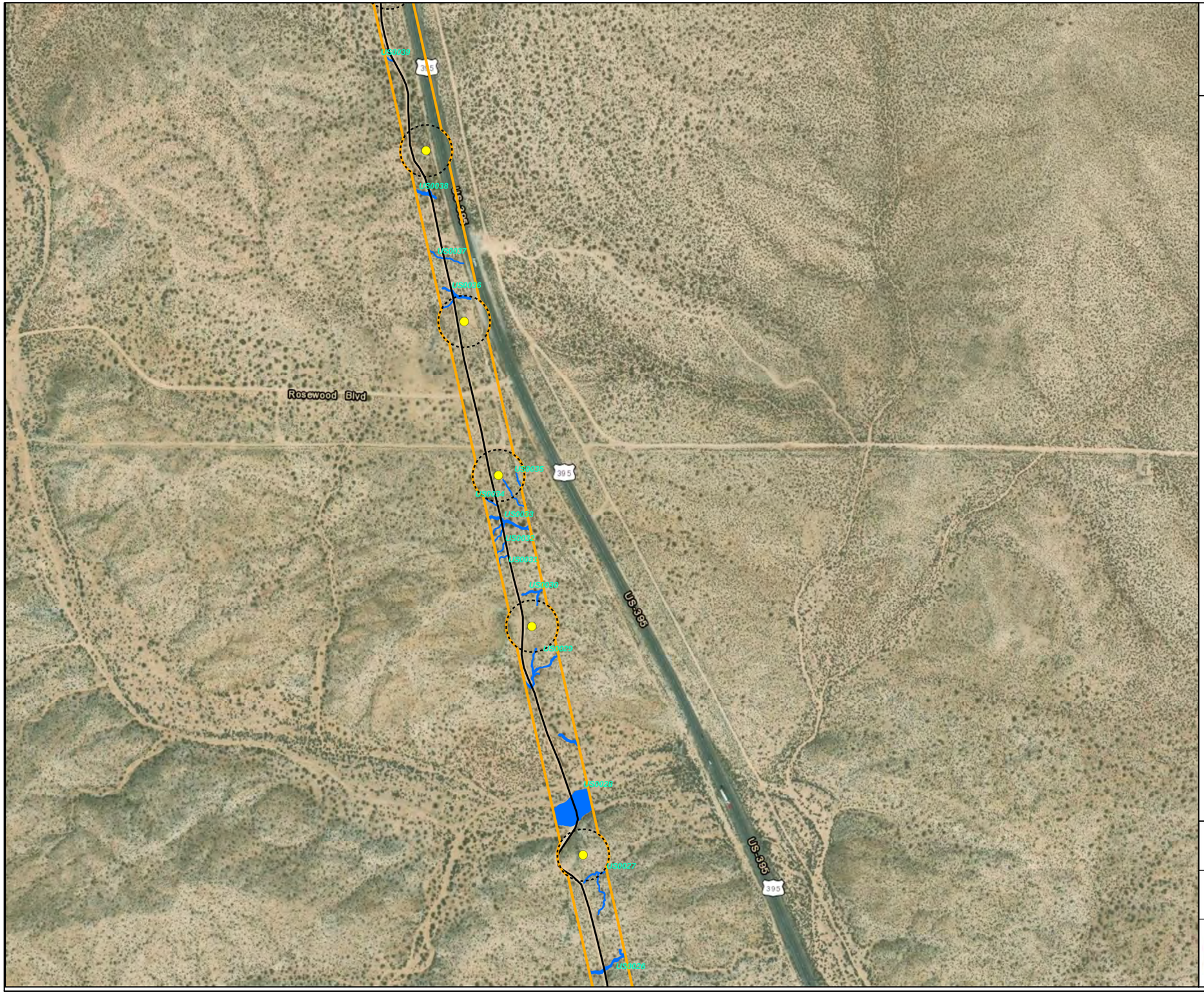

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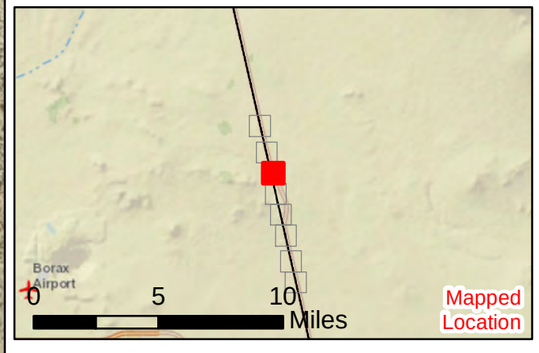

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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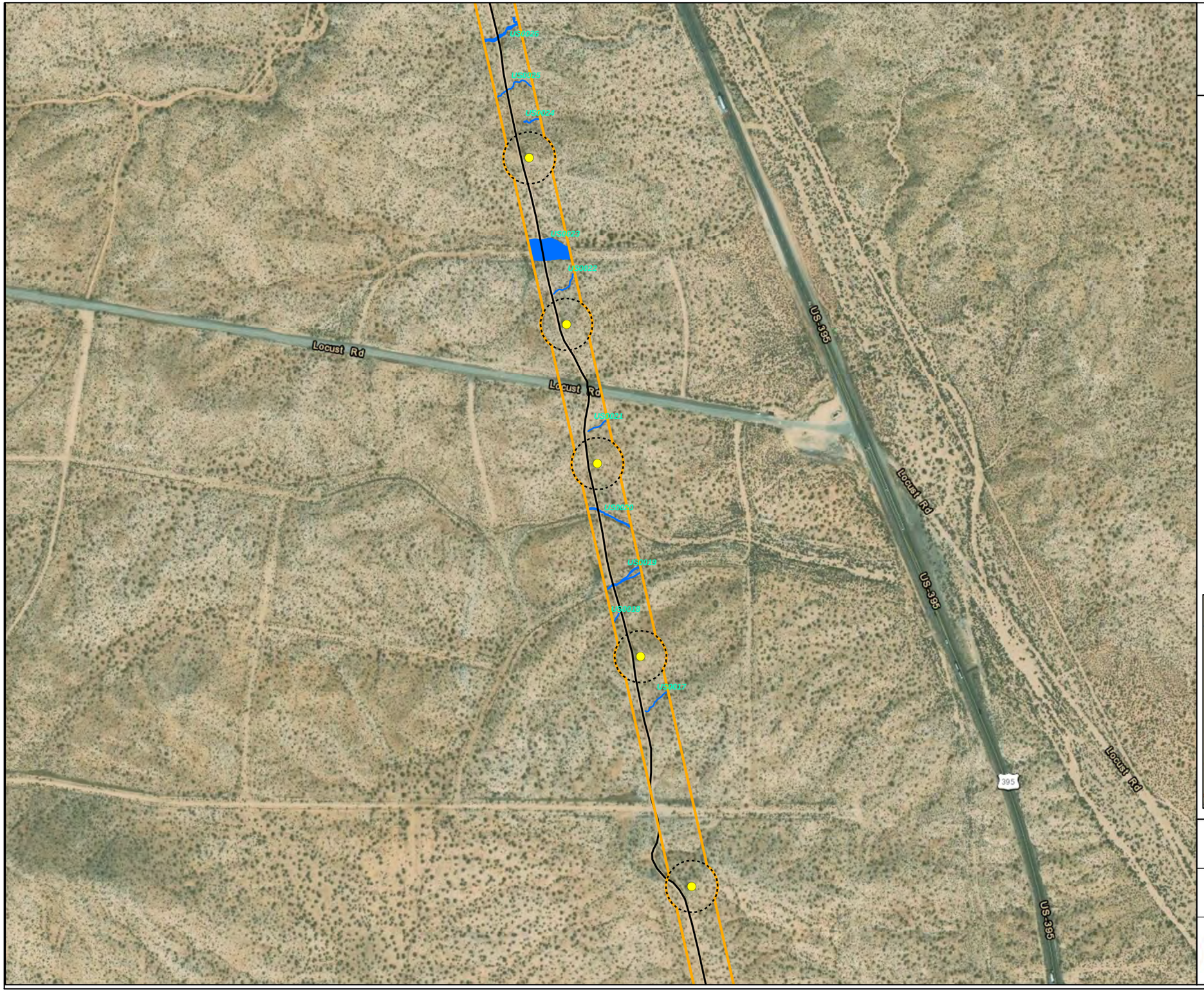
Coordinate System: NAD 1983 UTM Zone 11N

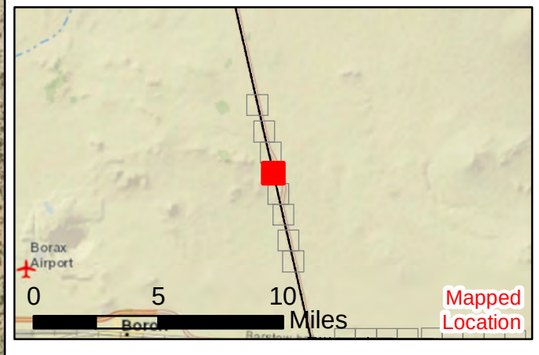


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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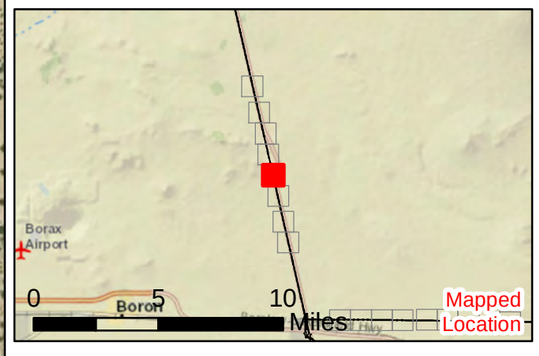
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating
Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern
Jurisdictional Delineation

ARCADIS

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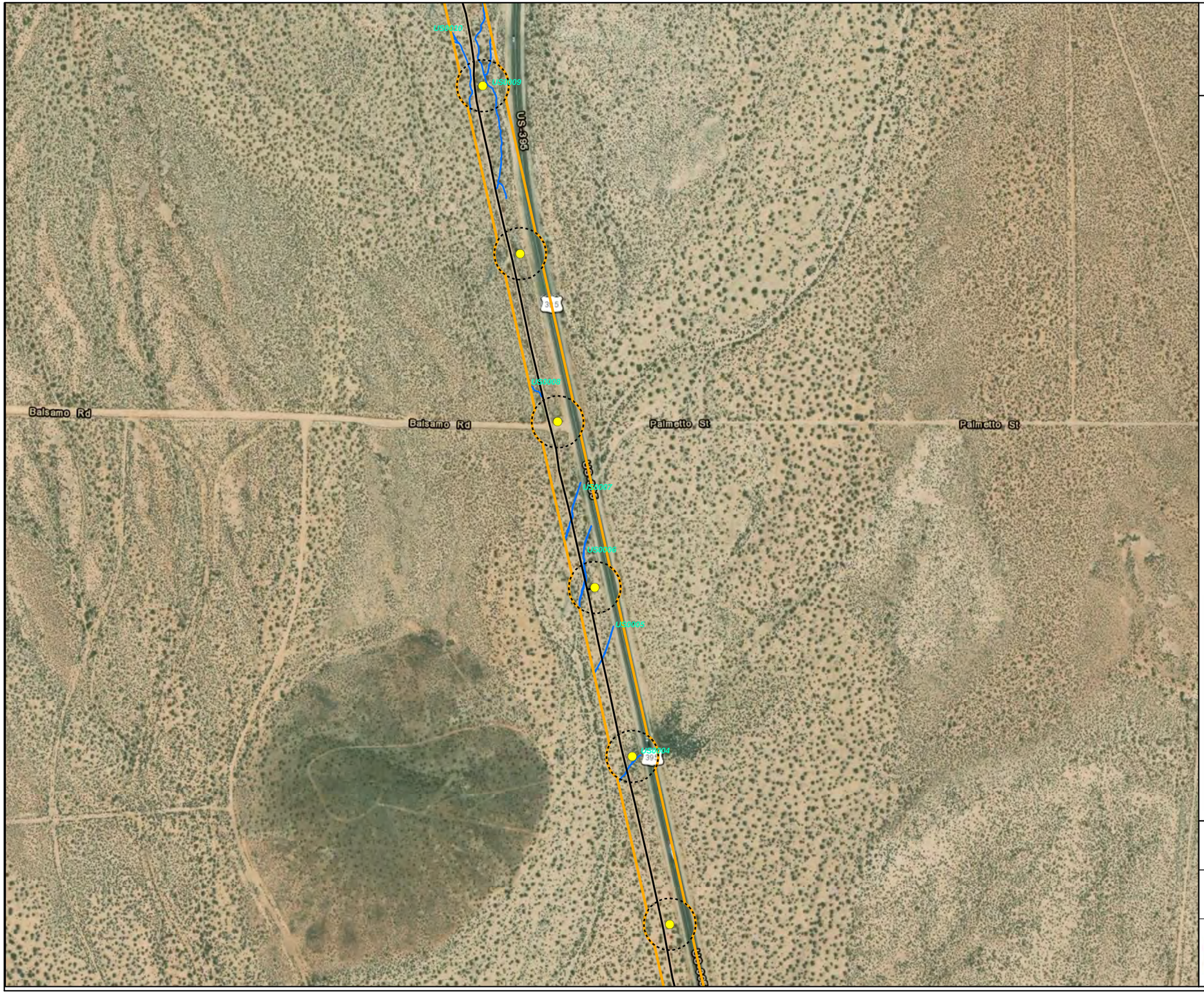
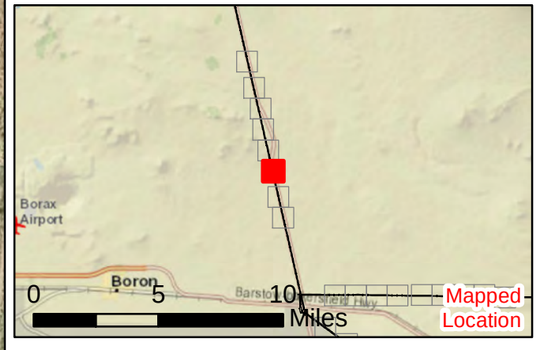


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
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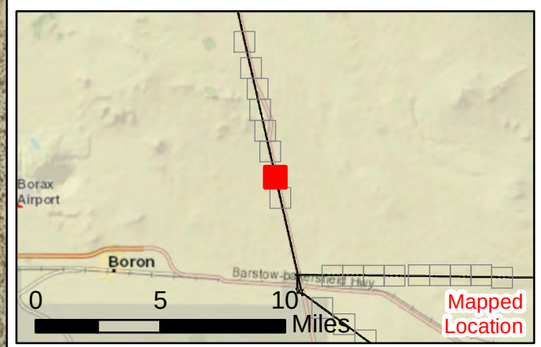
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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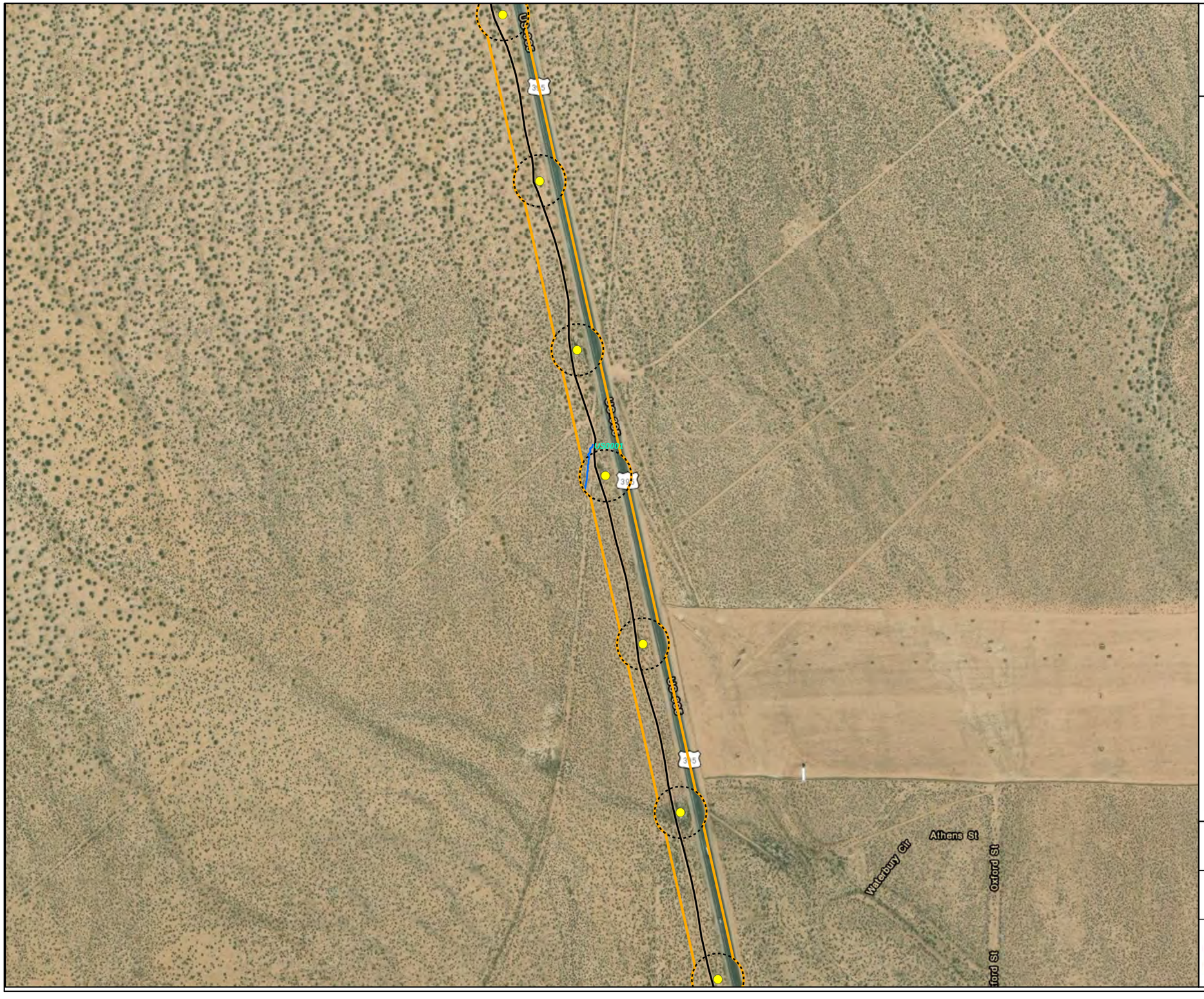

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
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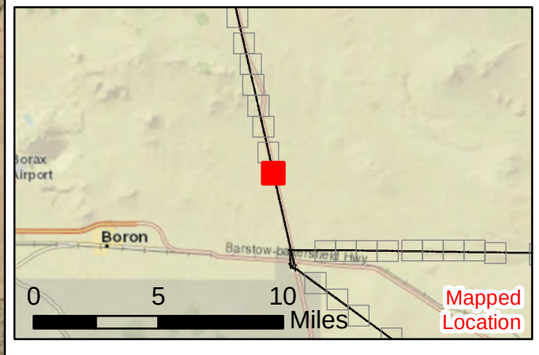
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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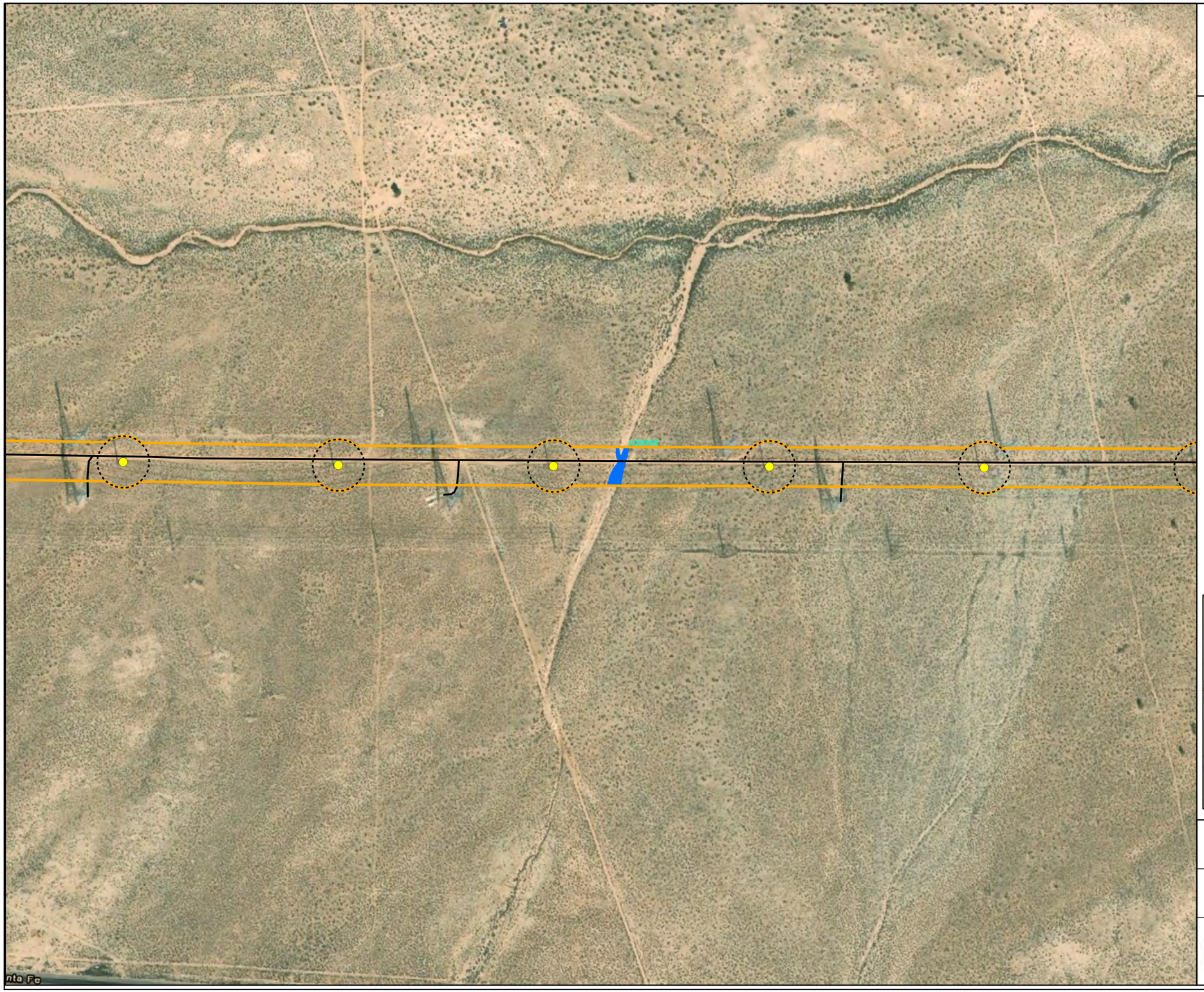
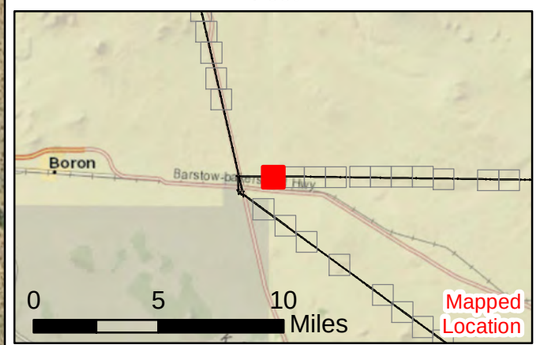


SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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\\corparcgis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
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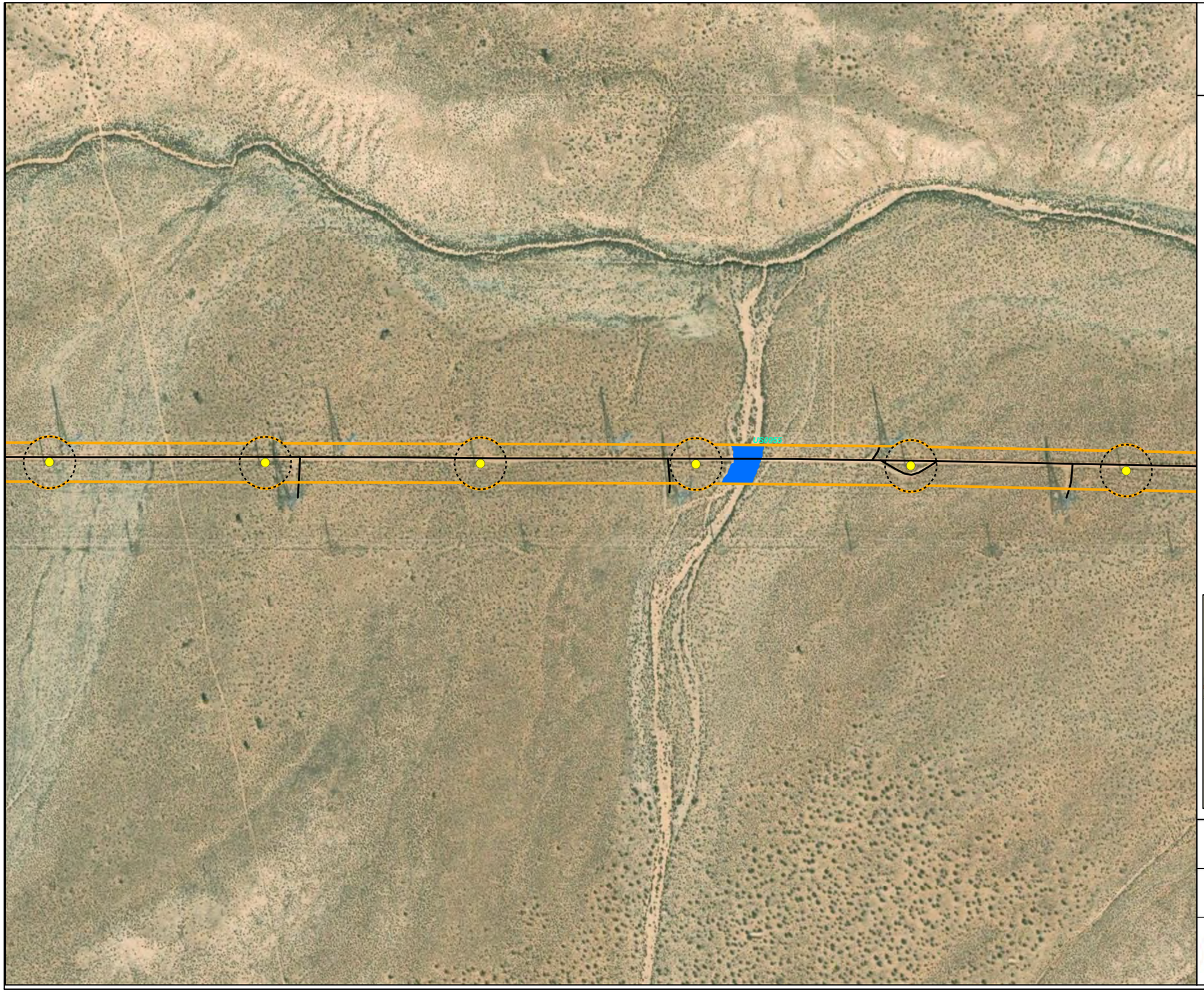

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
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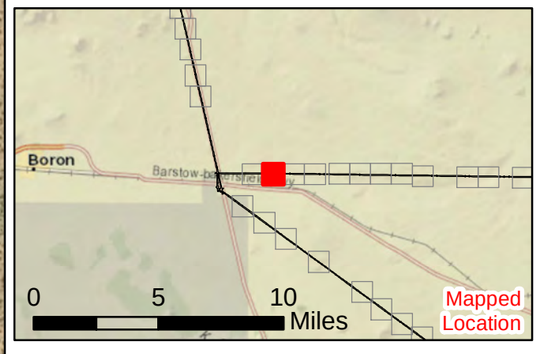
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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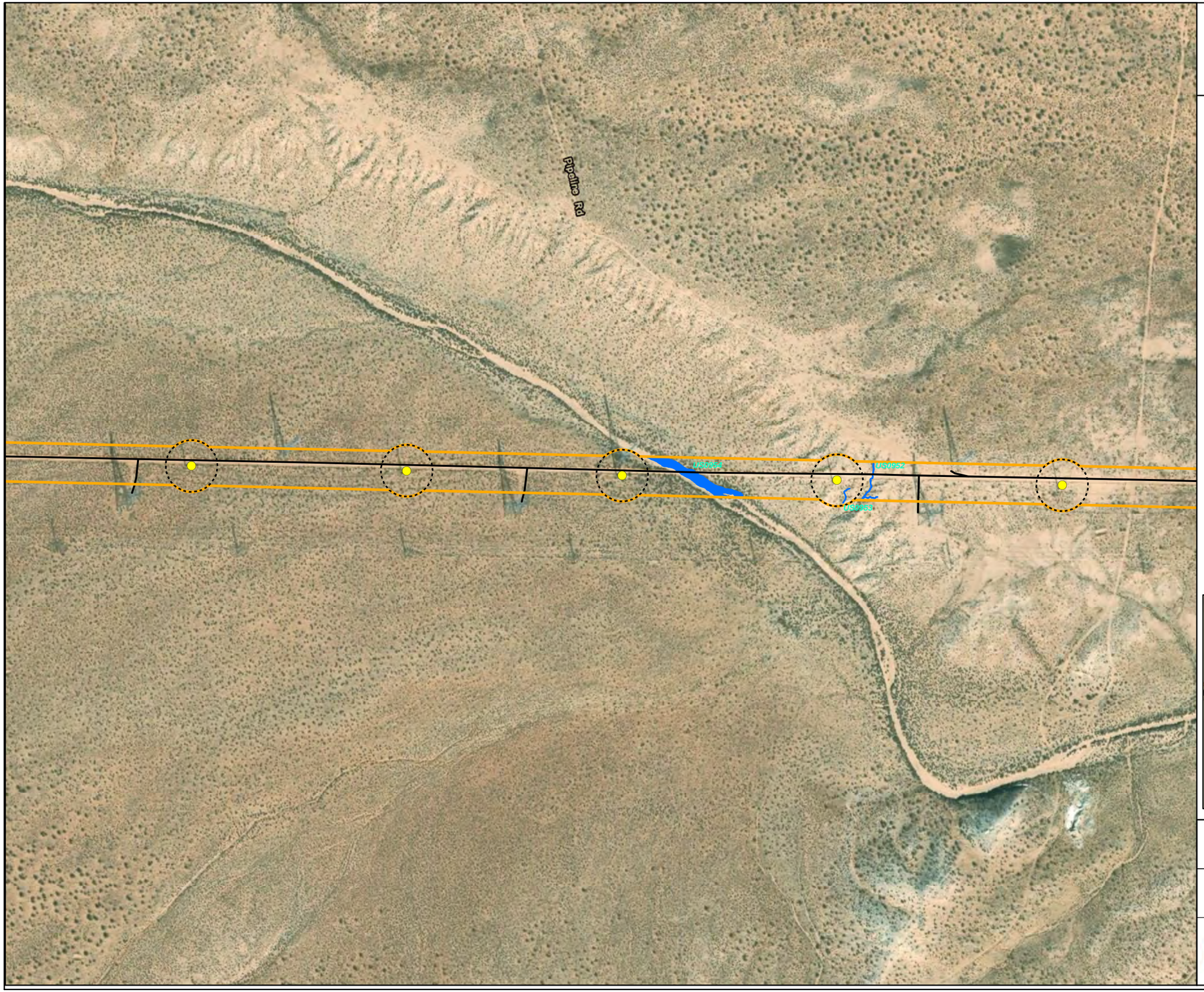

SOUTHERN CALIFORNIA EDISON®
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Legend

- Existing Structure Location
- Survey Area
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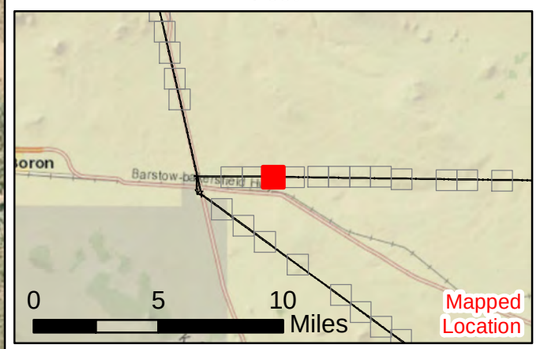
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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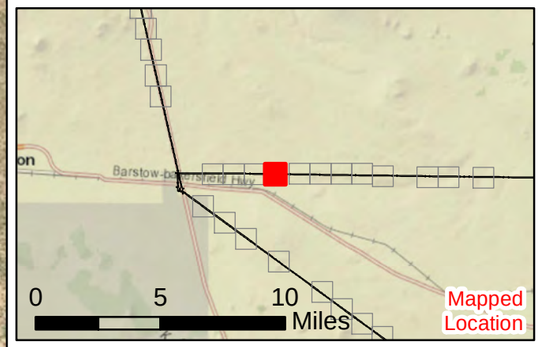
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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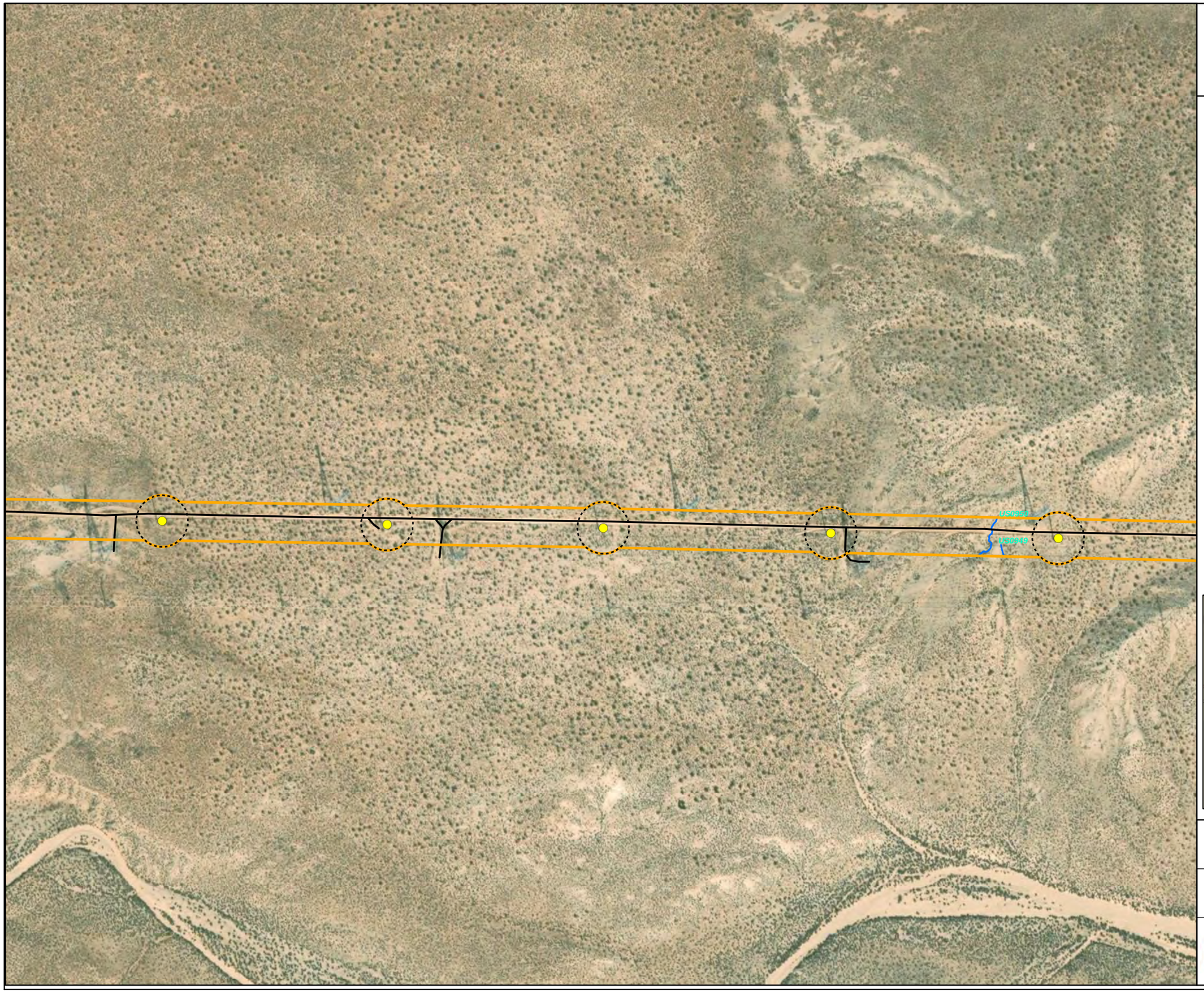

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
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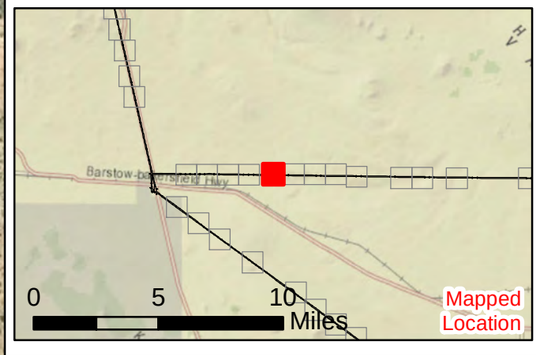
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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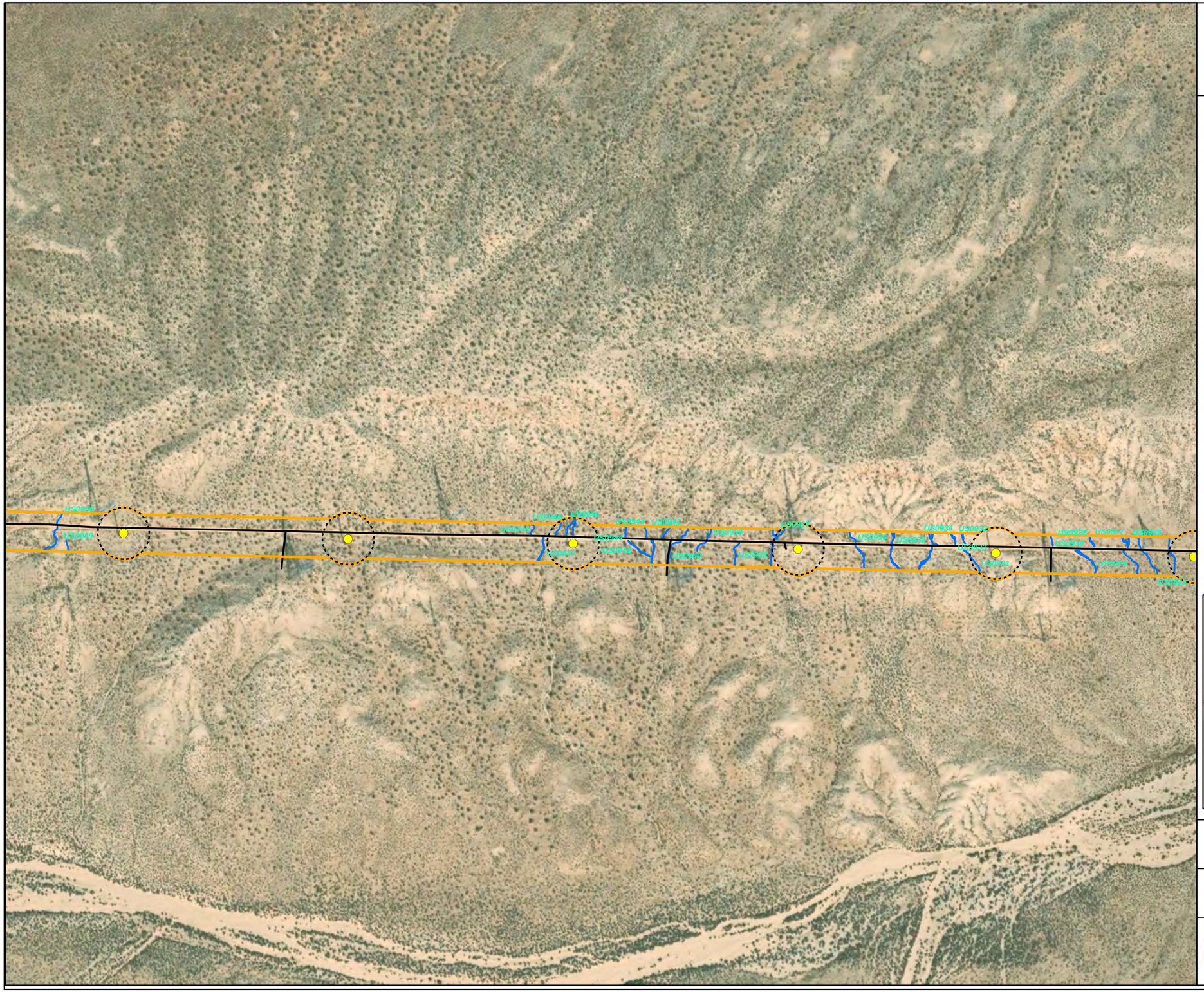

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Survey Area
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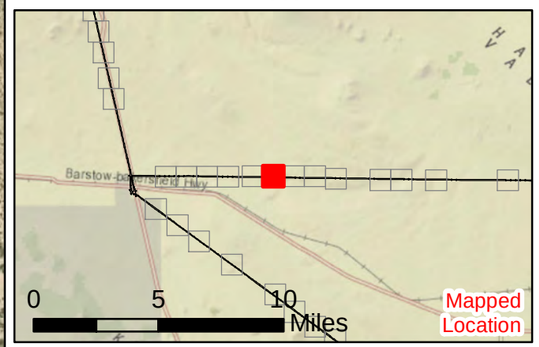
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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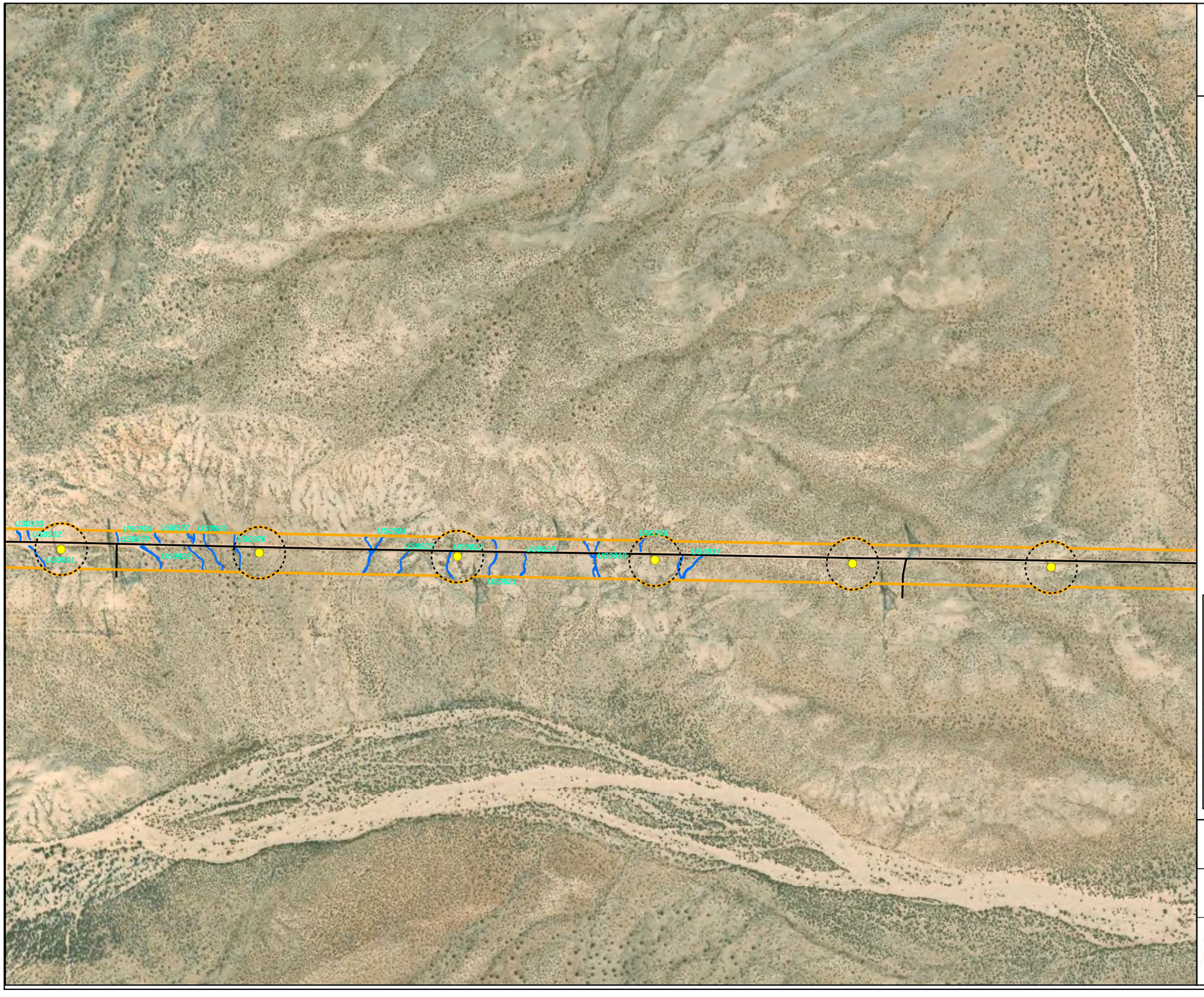

SOUTHERN CALIFORNIA EDISON®
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Legend

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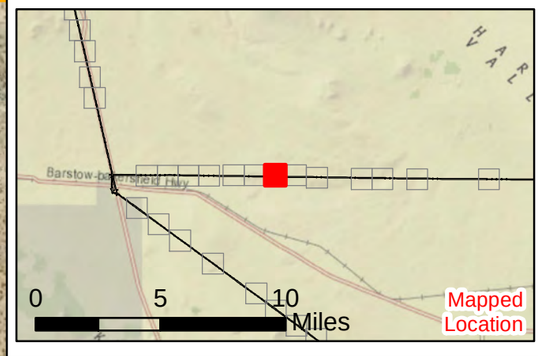
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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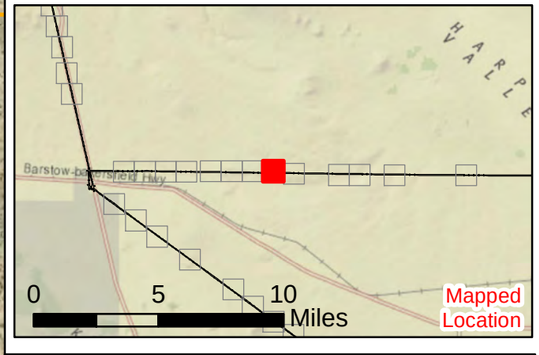
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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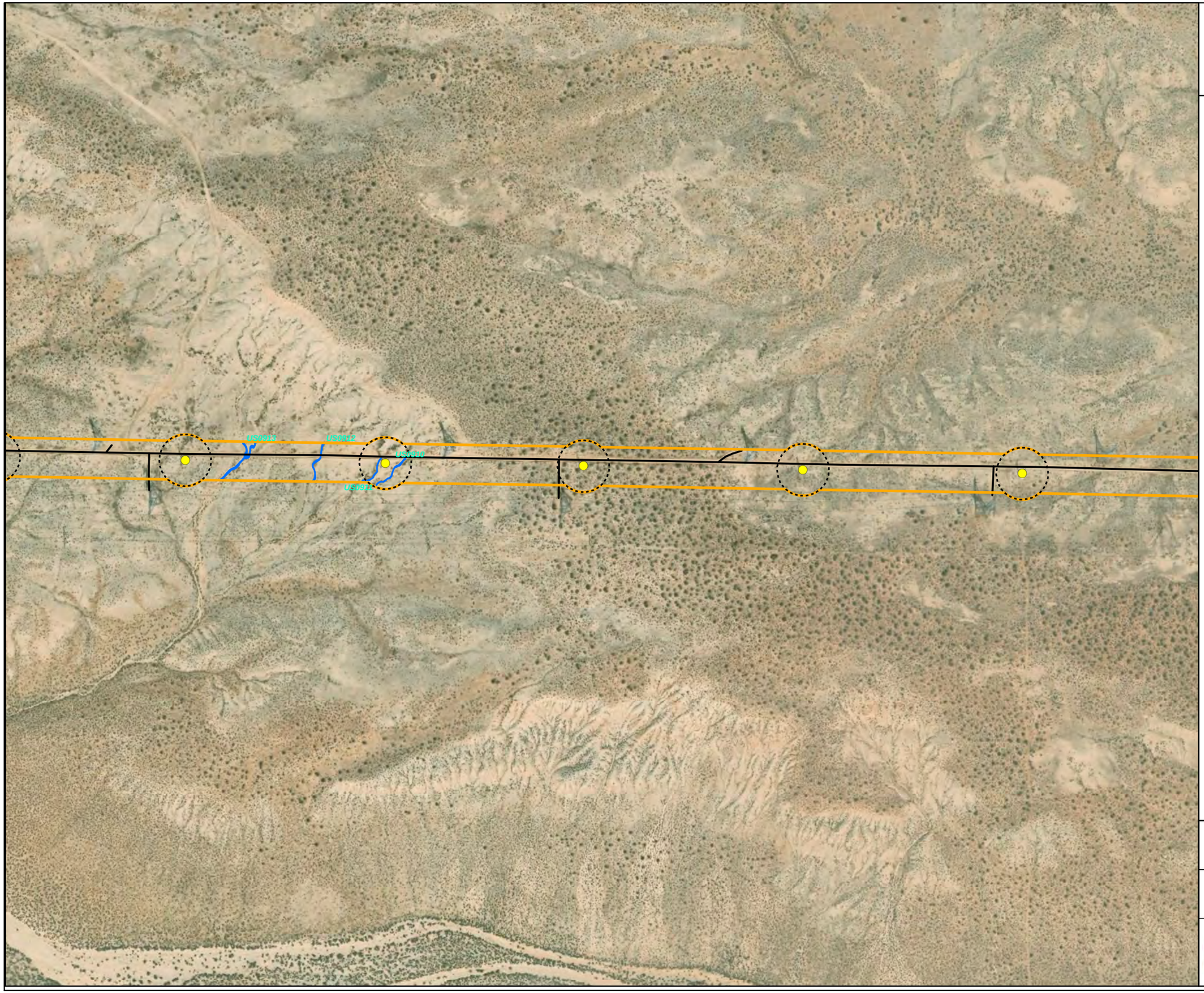

SOUTHERN CALIFORNIA EDISON®
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Legend

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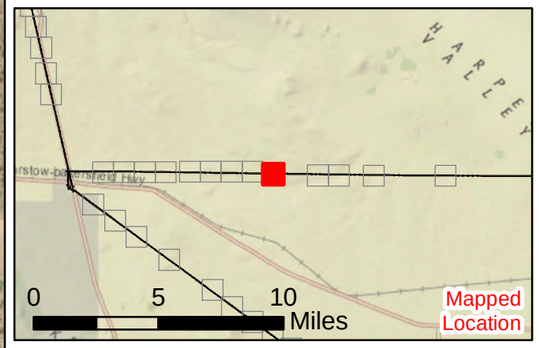
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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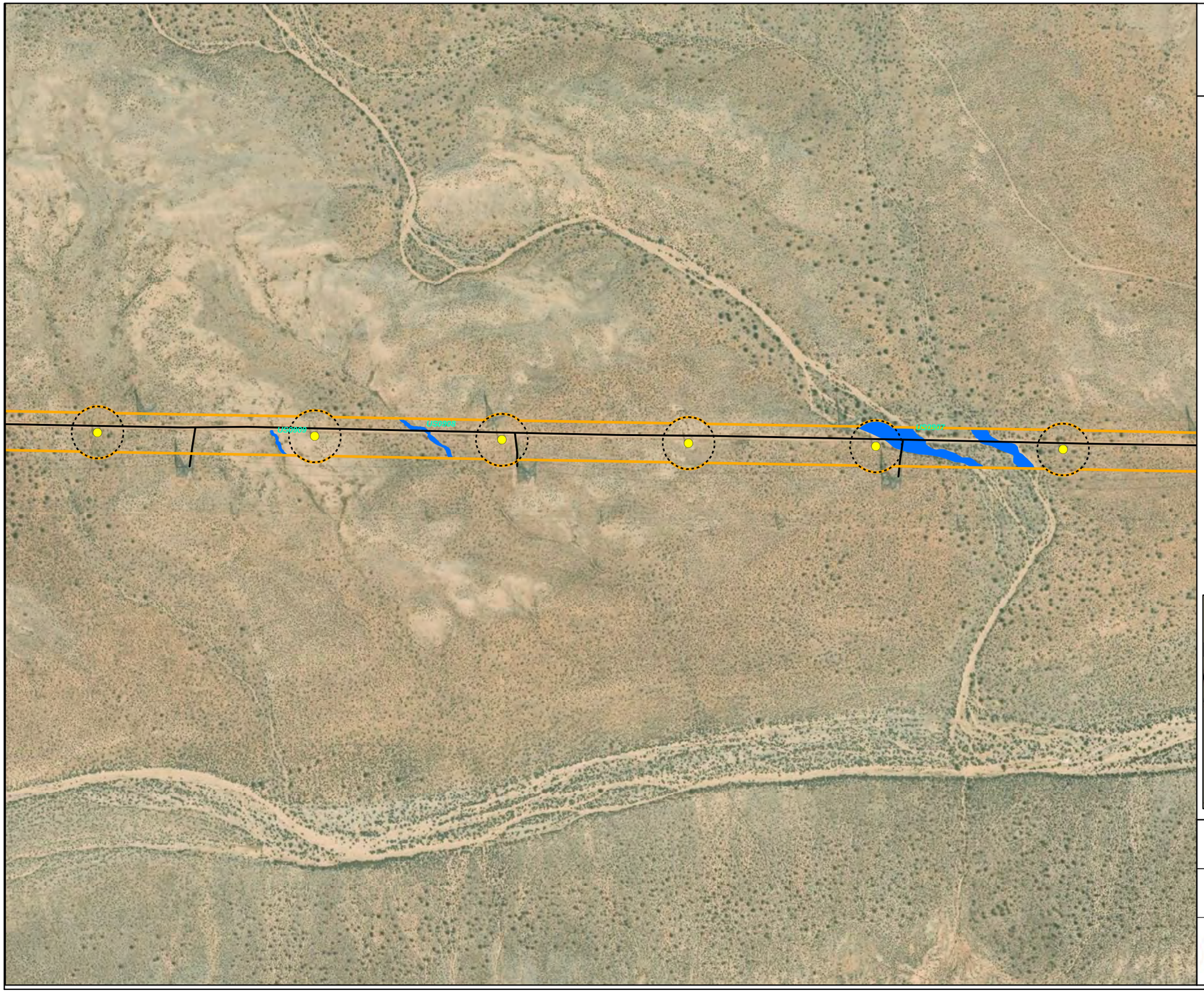

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
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- USACE/RWQCB Other Waters
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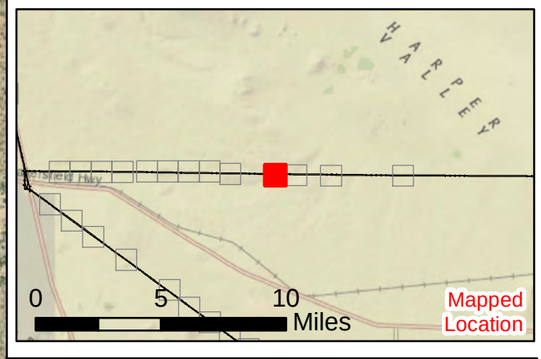
- Photo Locations

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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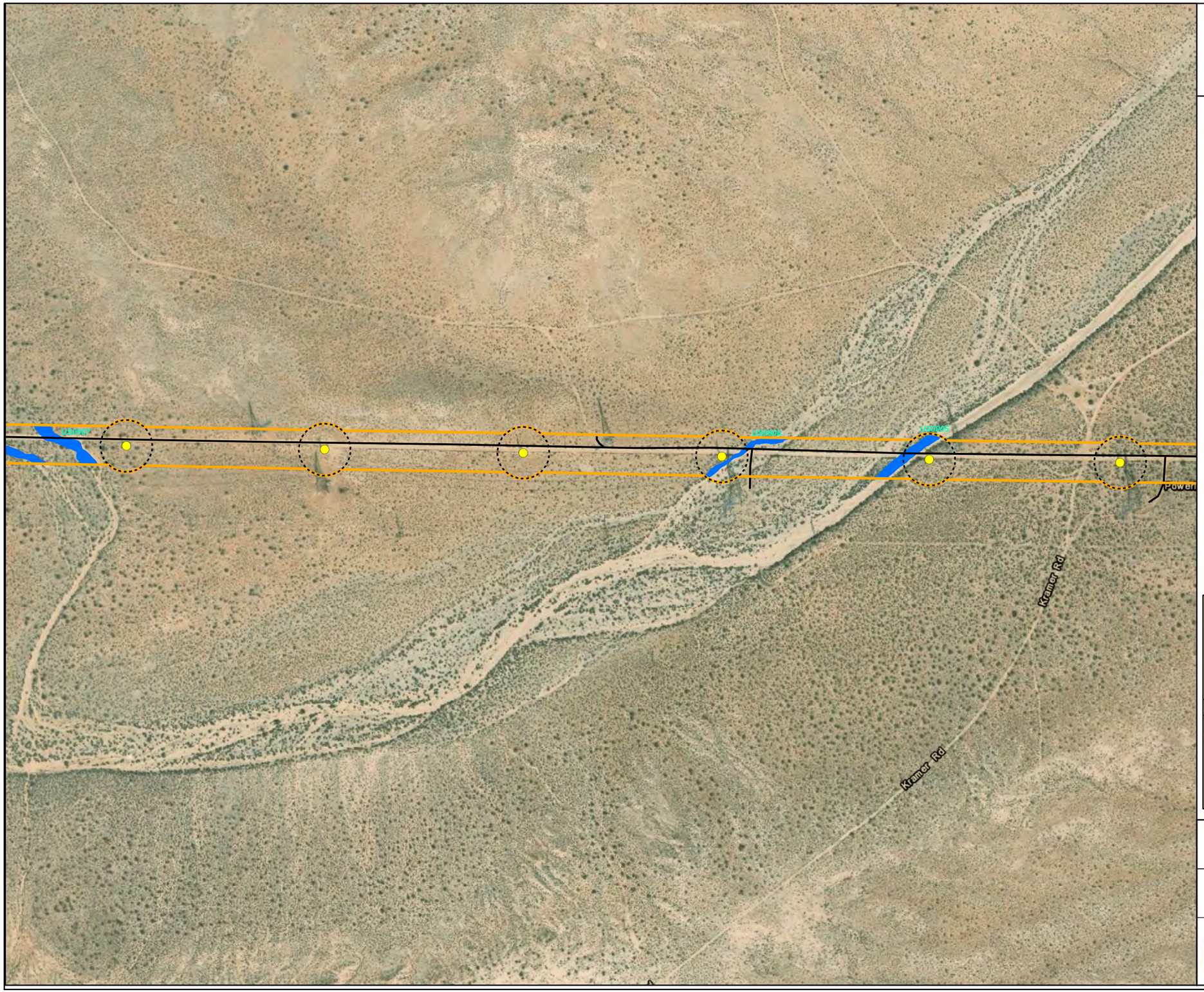
\\corparcgis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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- Existing Structure Location
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- USACE/RWQCB Other Waters
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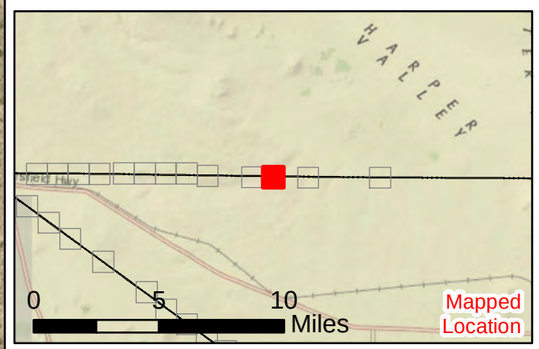
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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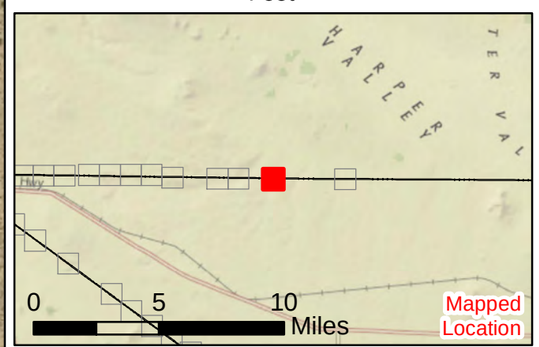
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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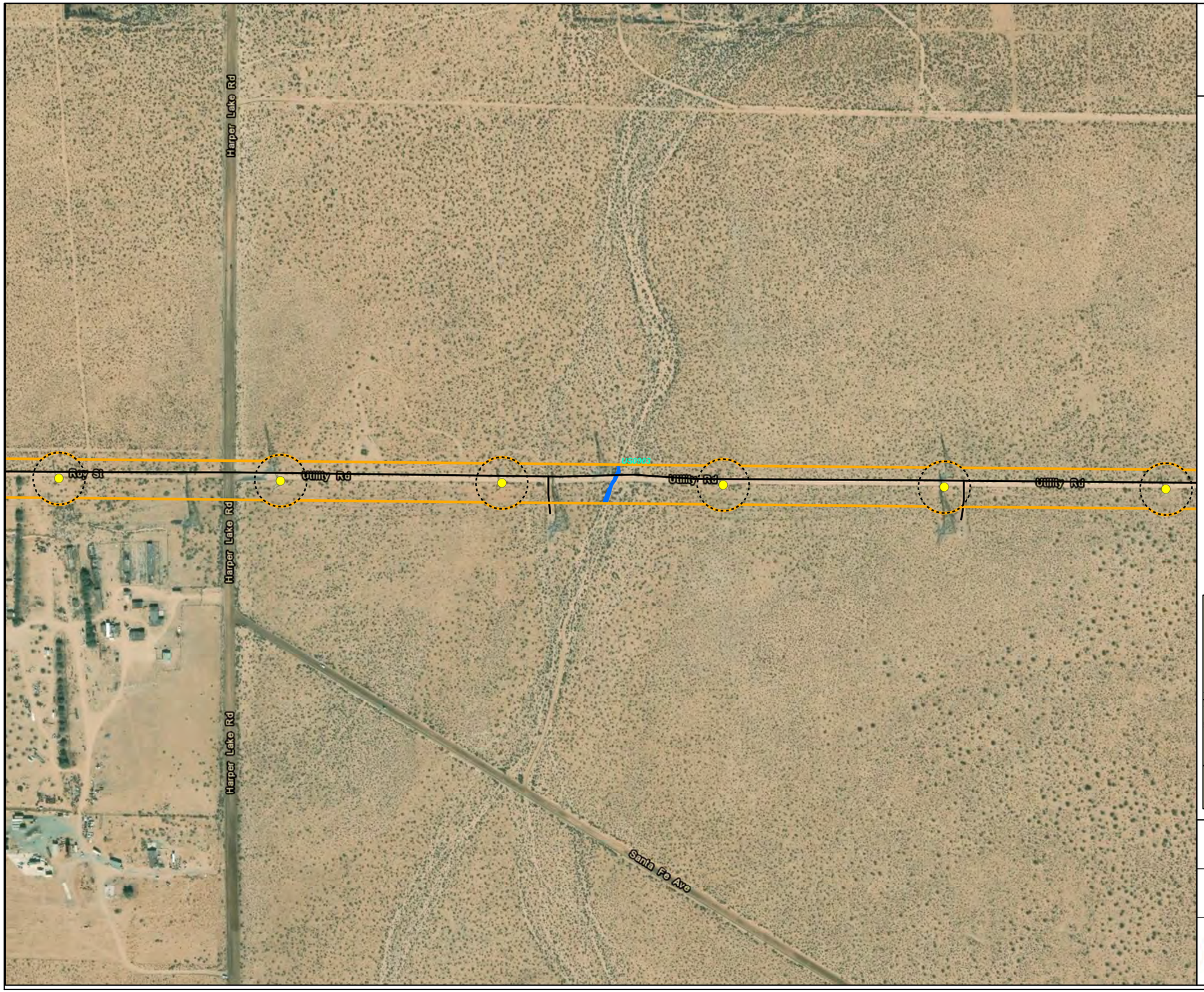

SOUTHERN CALIFORNIA EDISON
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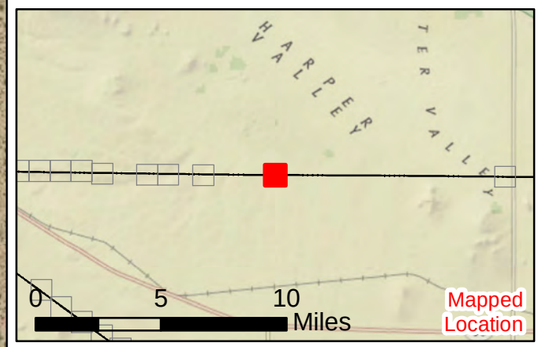
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-SISCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
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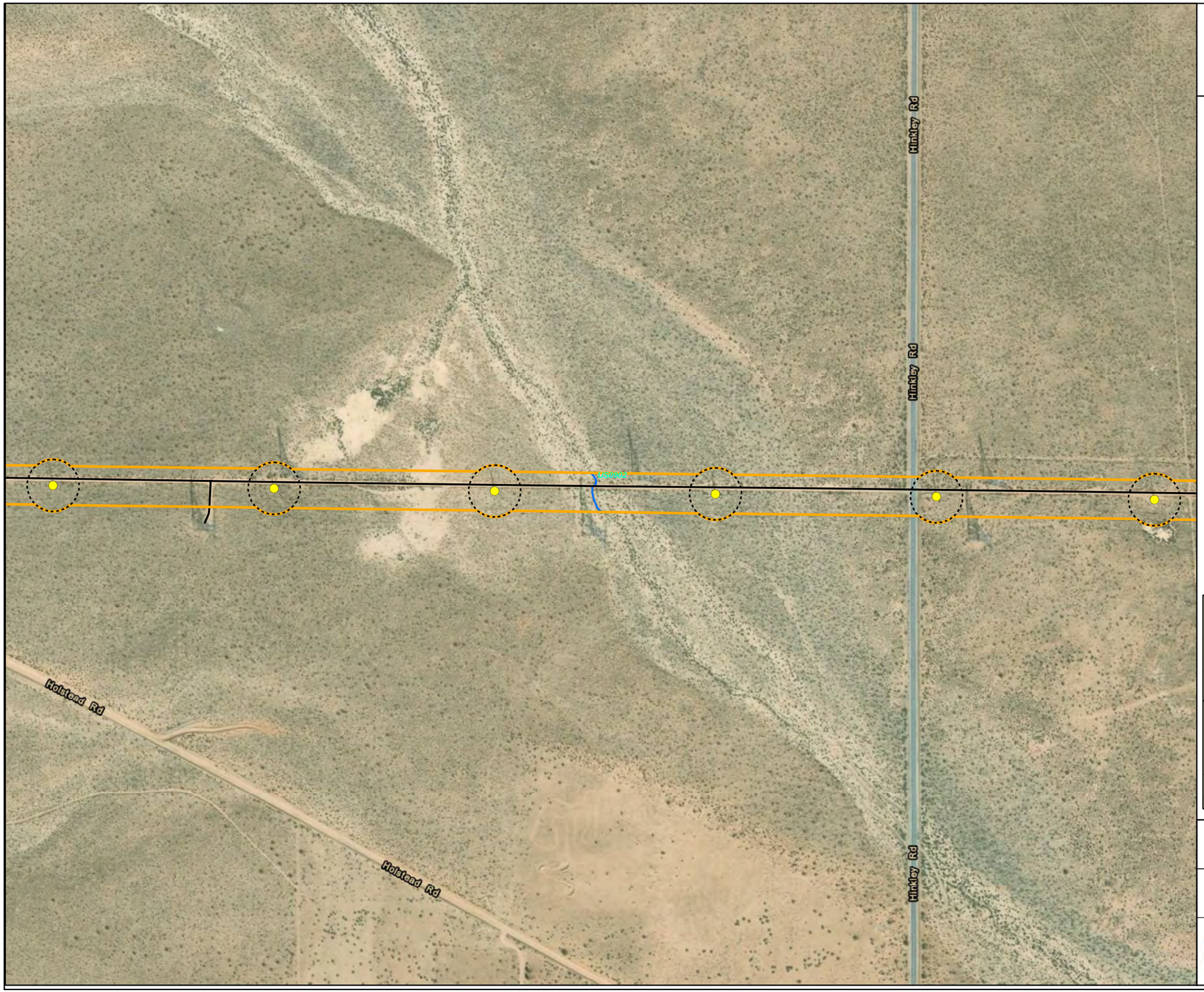
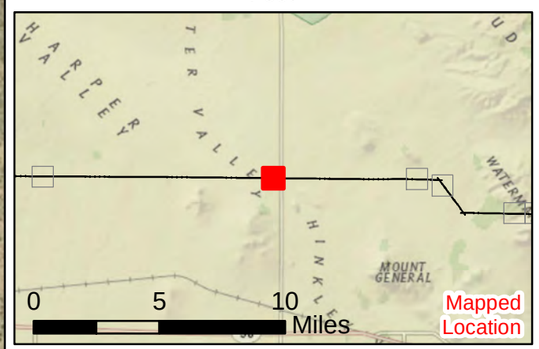


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Access Roads
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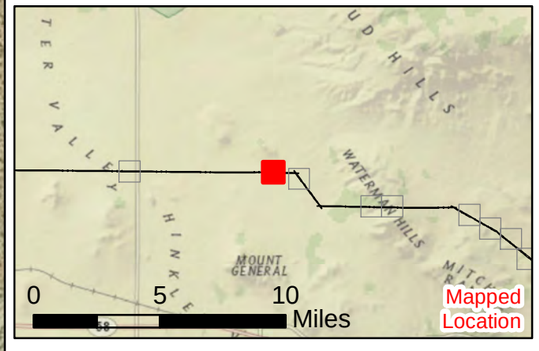
- Photo Locations

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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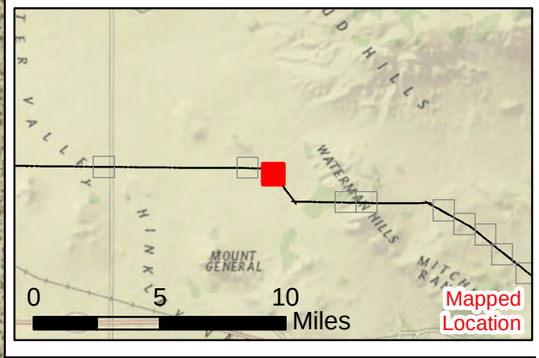
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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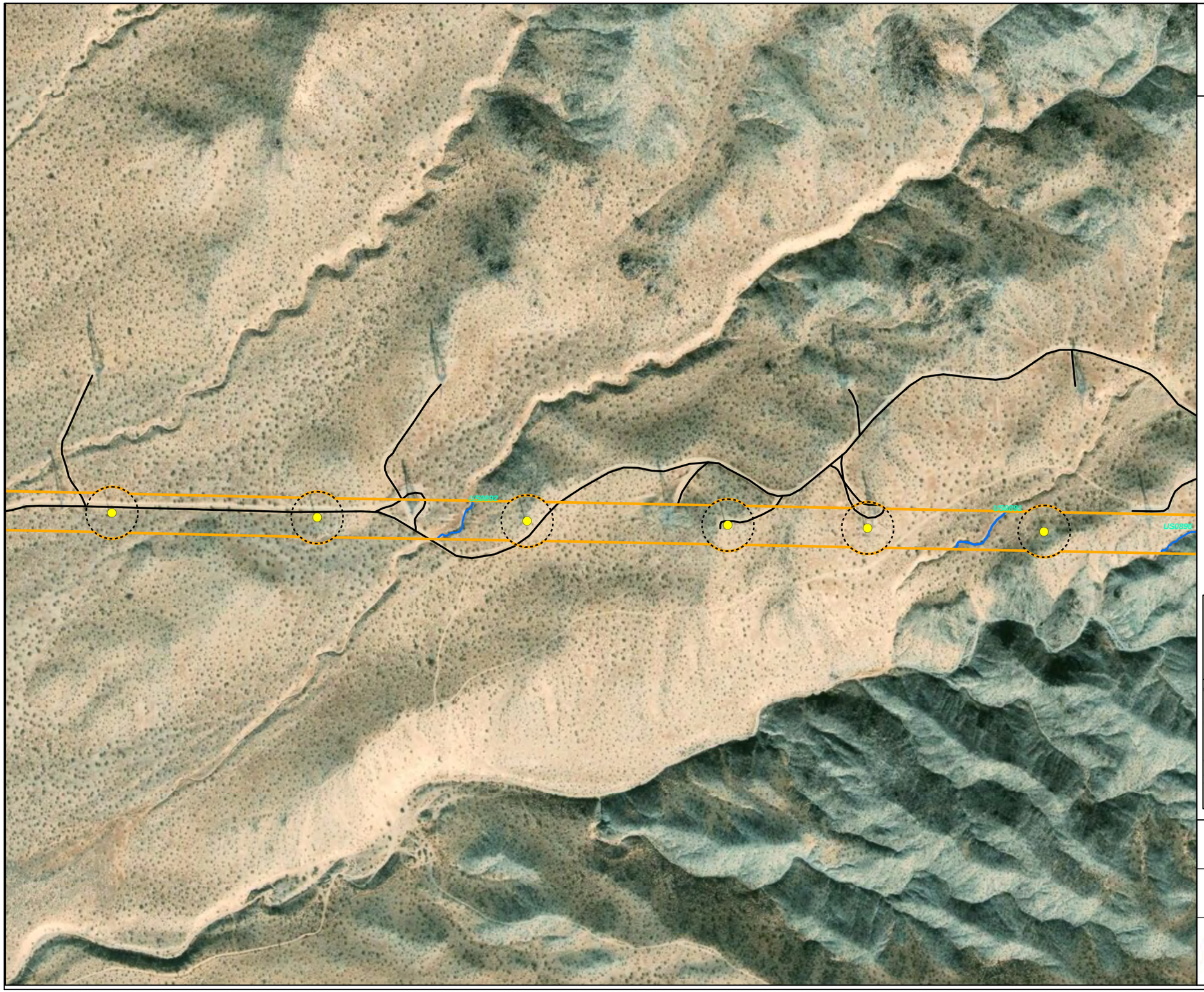

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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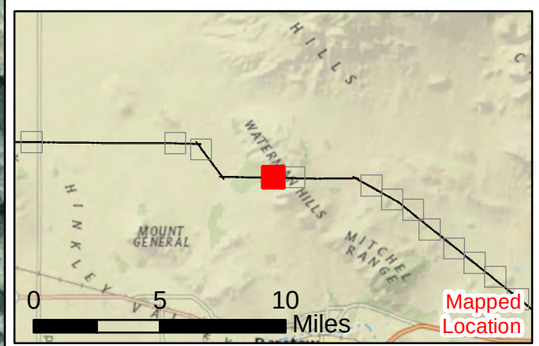
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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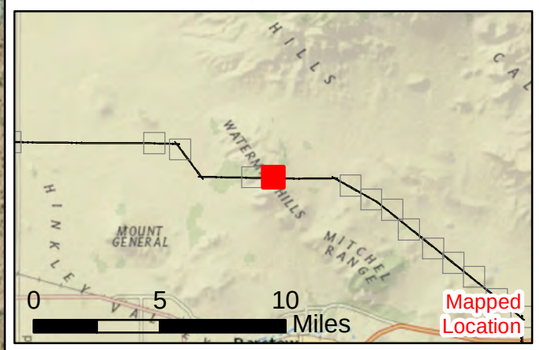
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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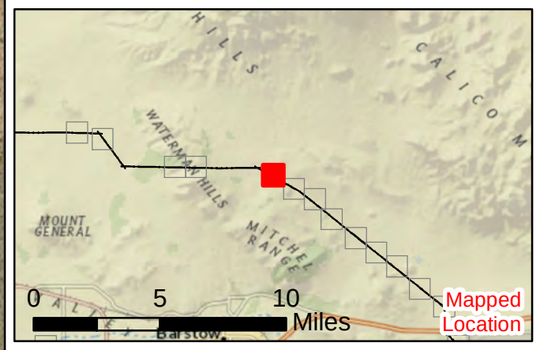

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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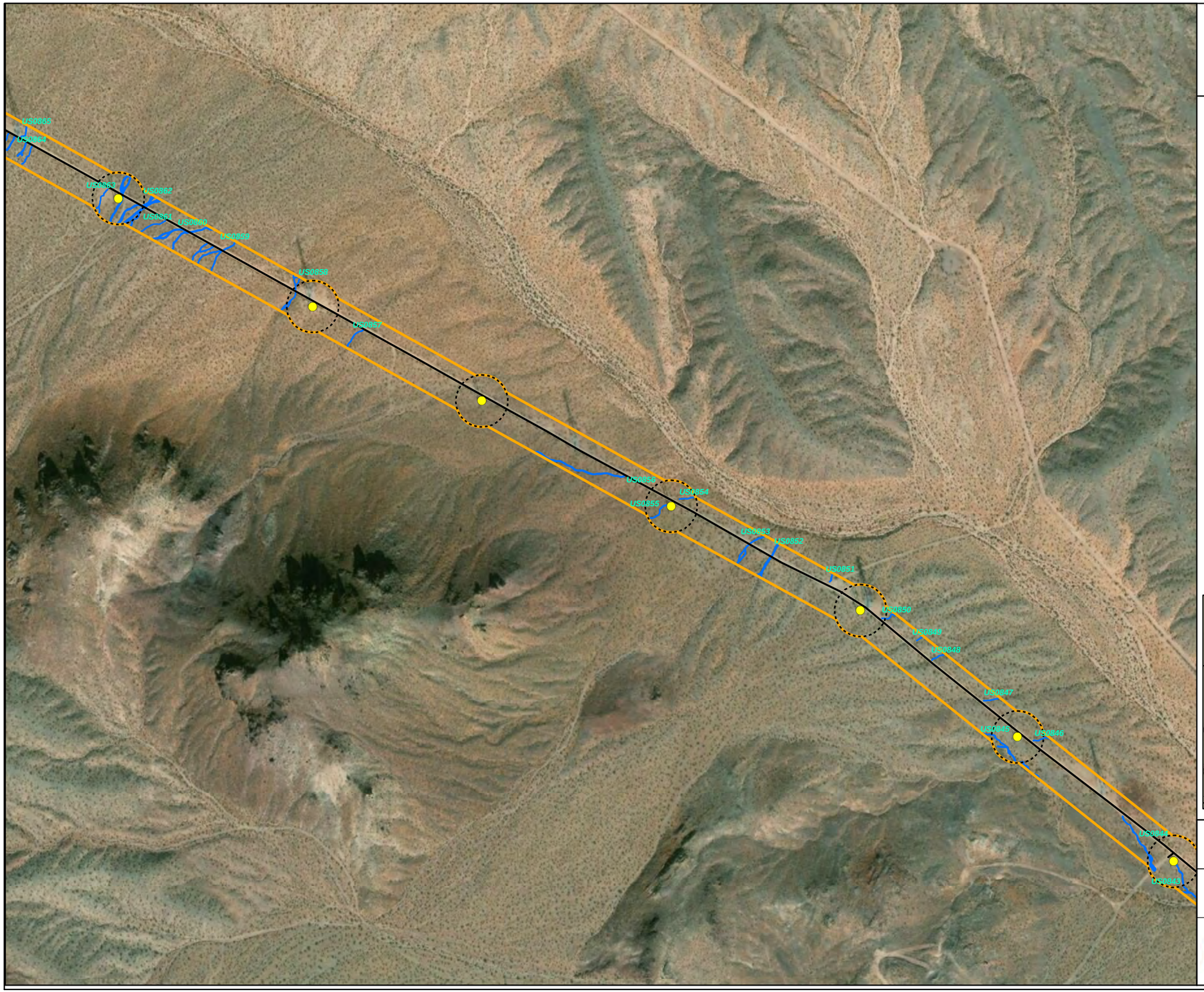
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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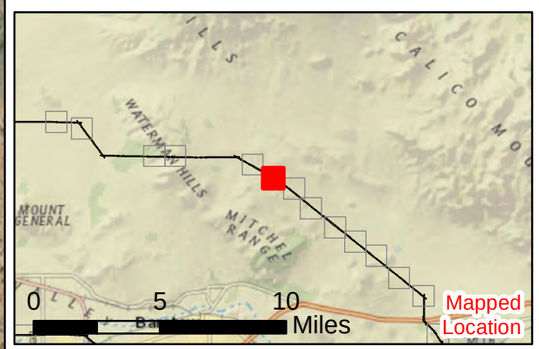

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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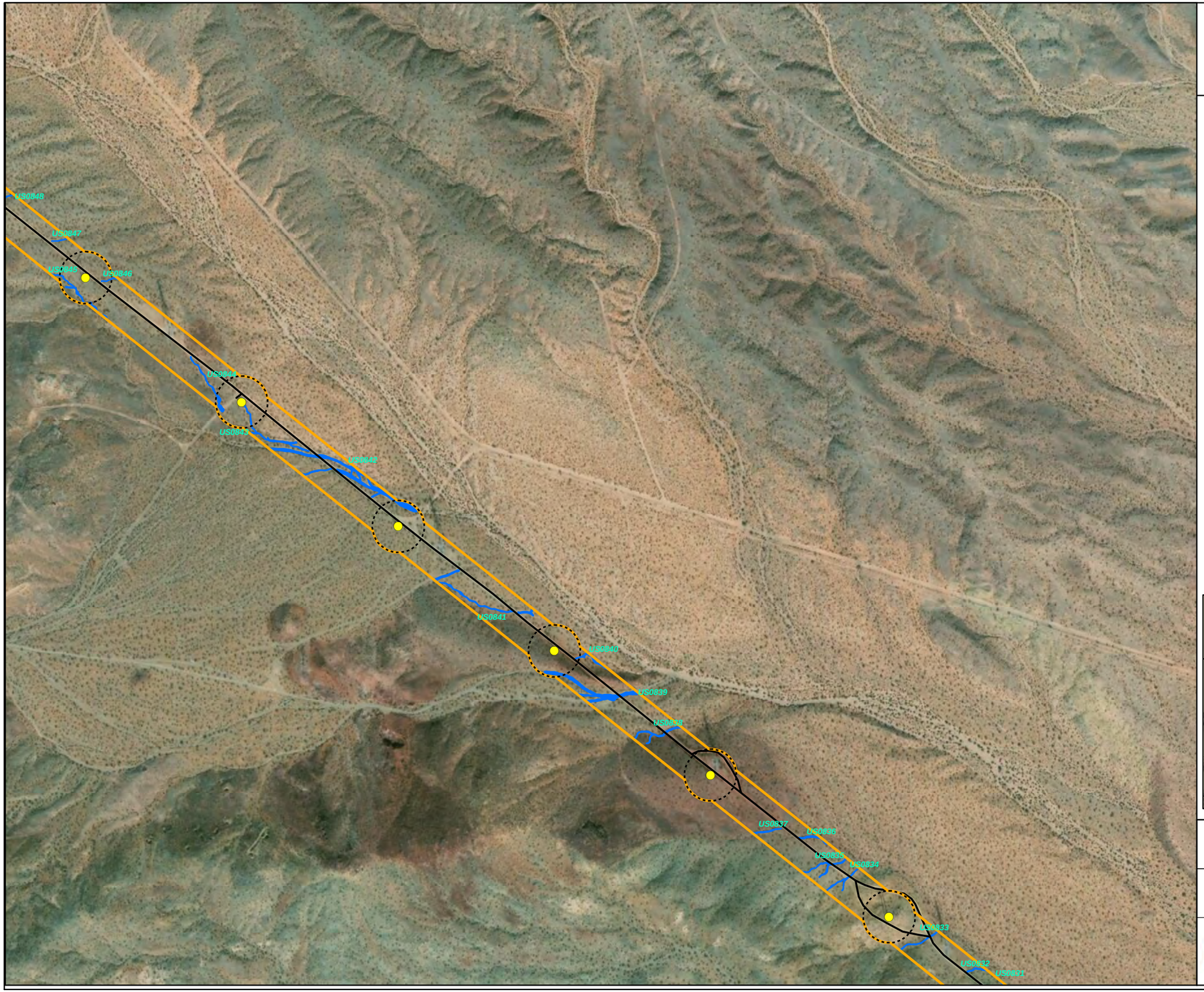
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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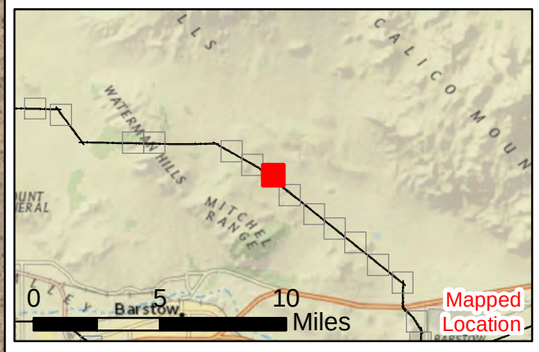

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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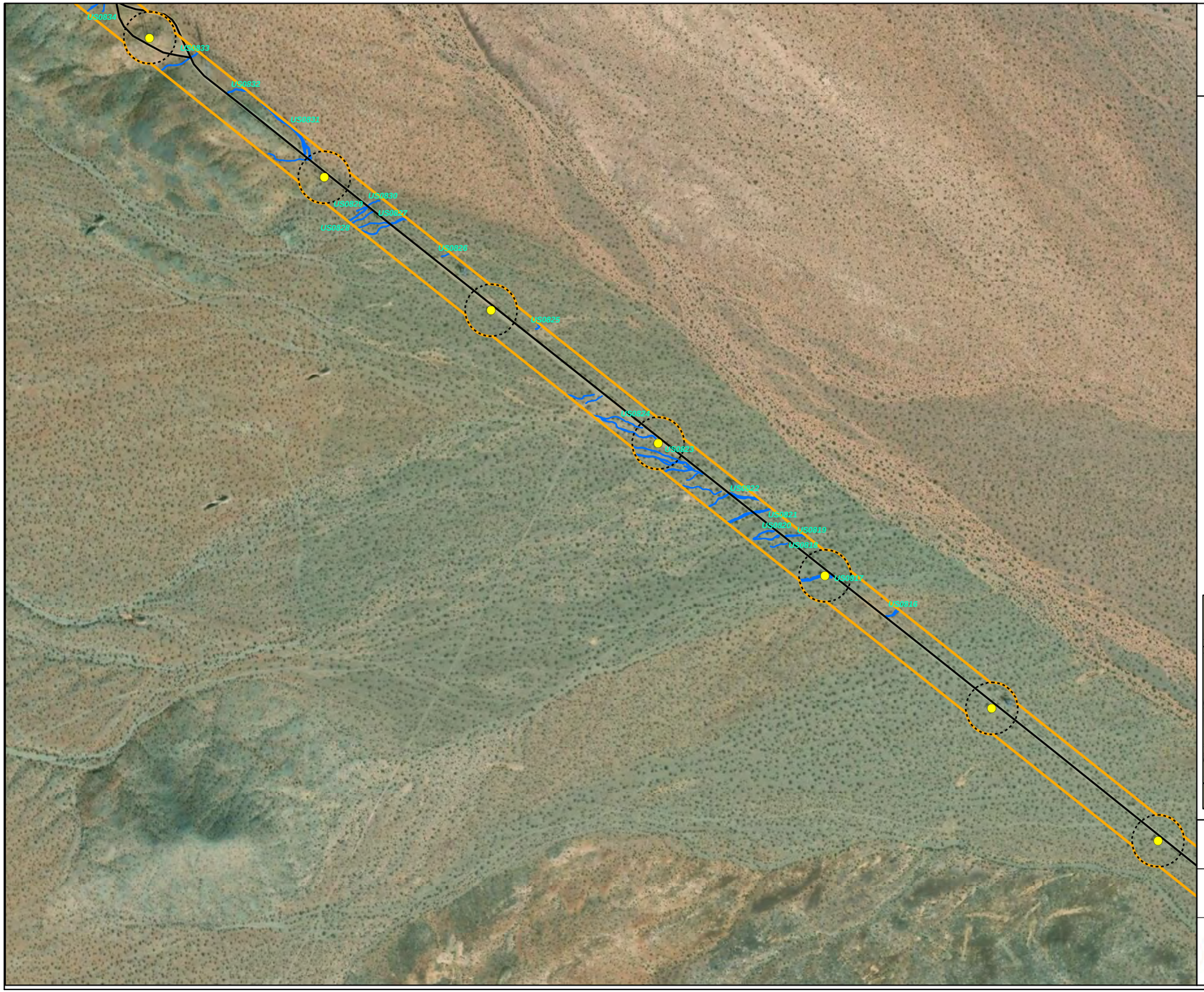
\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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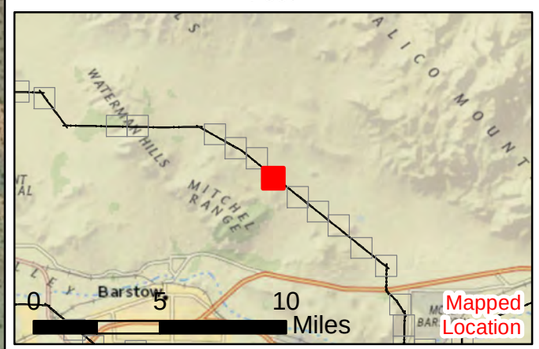

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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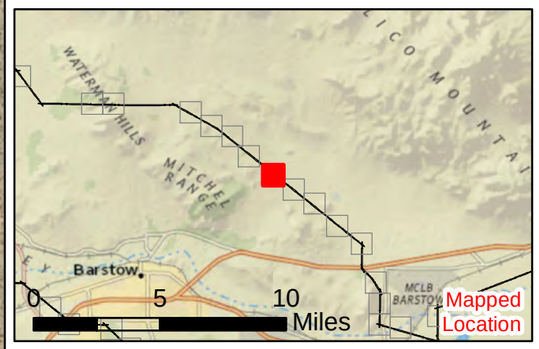

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
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SOUTHERN CALIFORNIA EDISON
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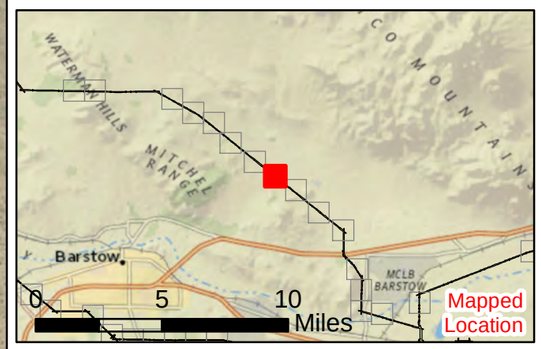

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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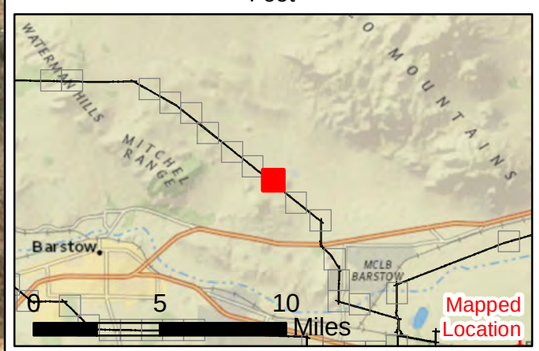

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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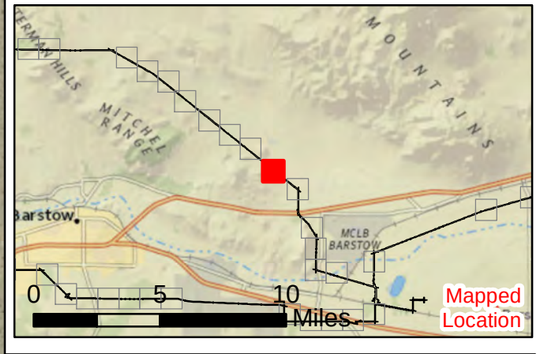

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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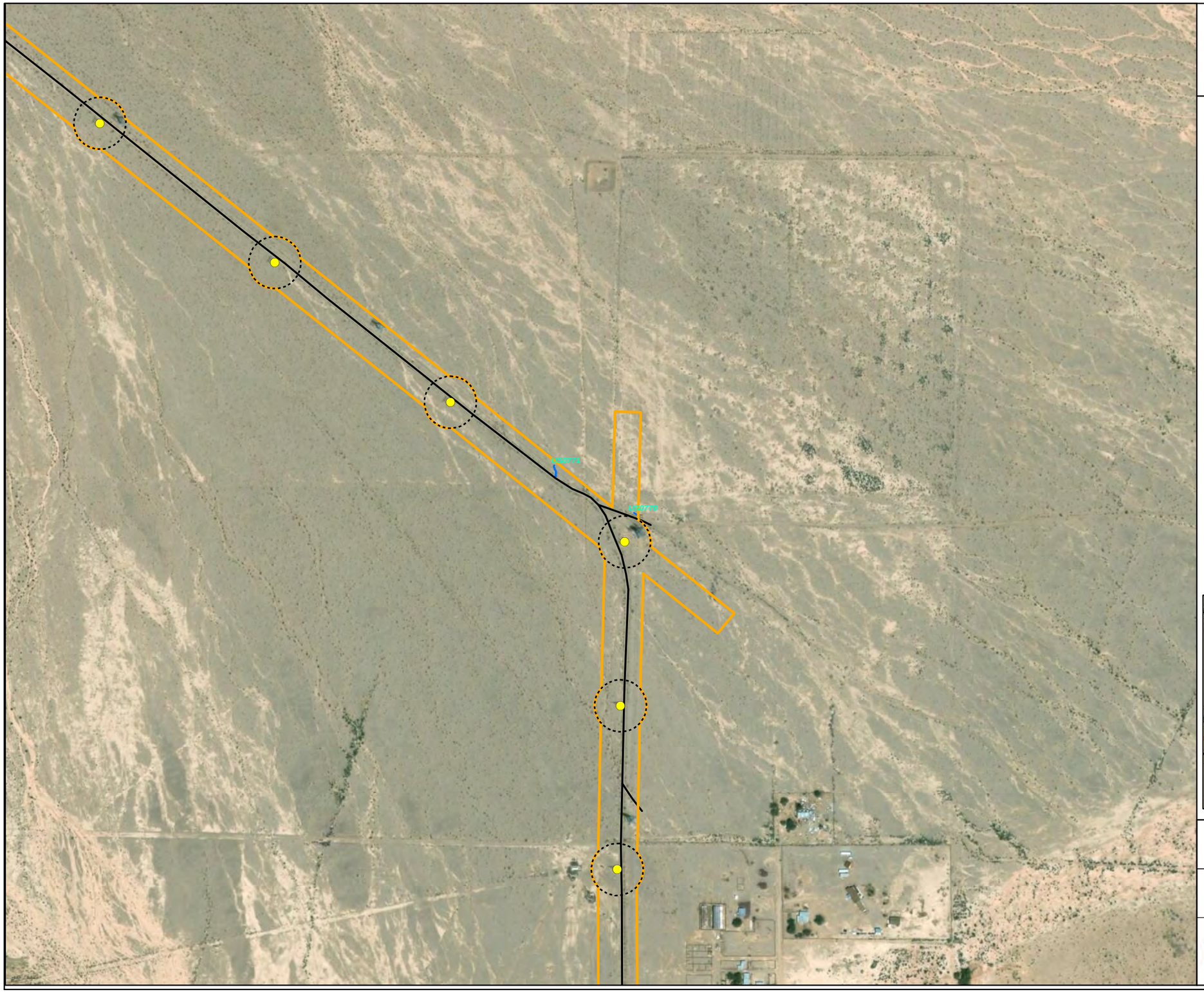

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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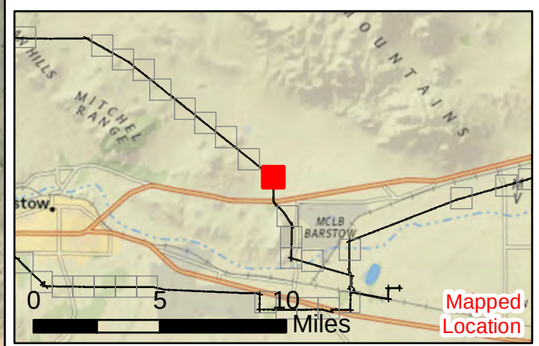

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

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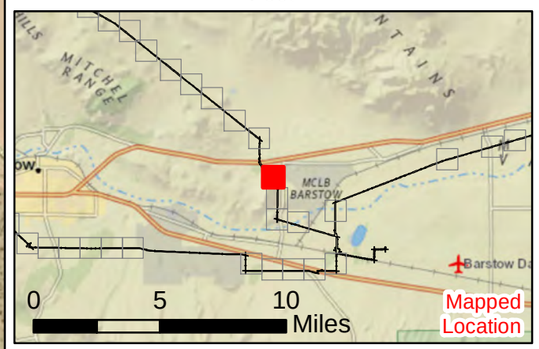

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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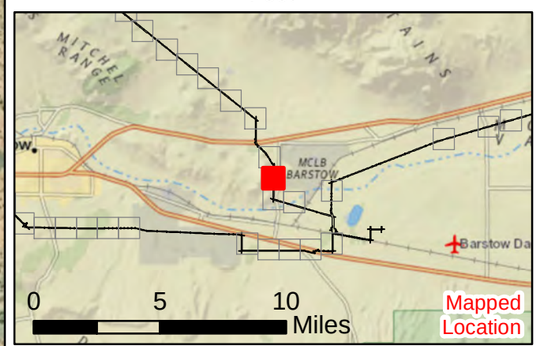

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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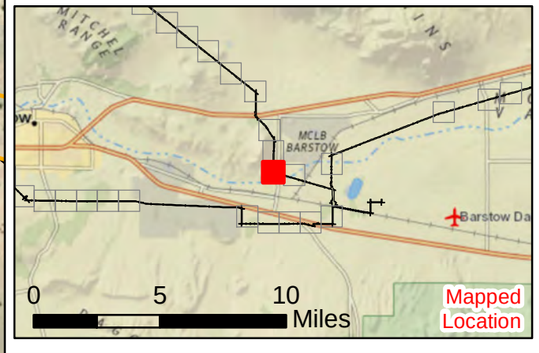

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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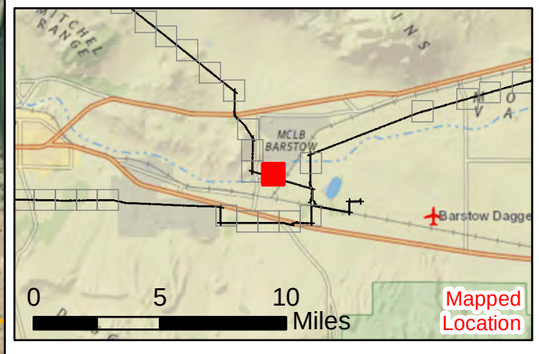

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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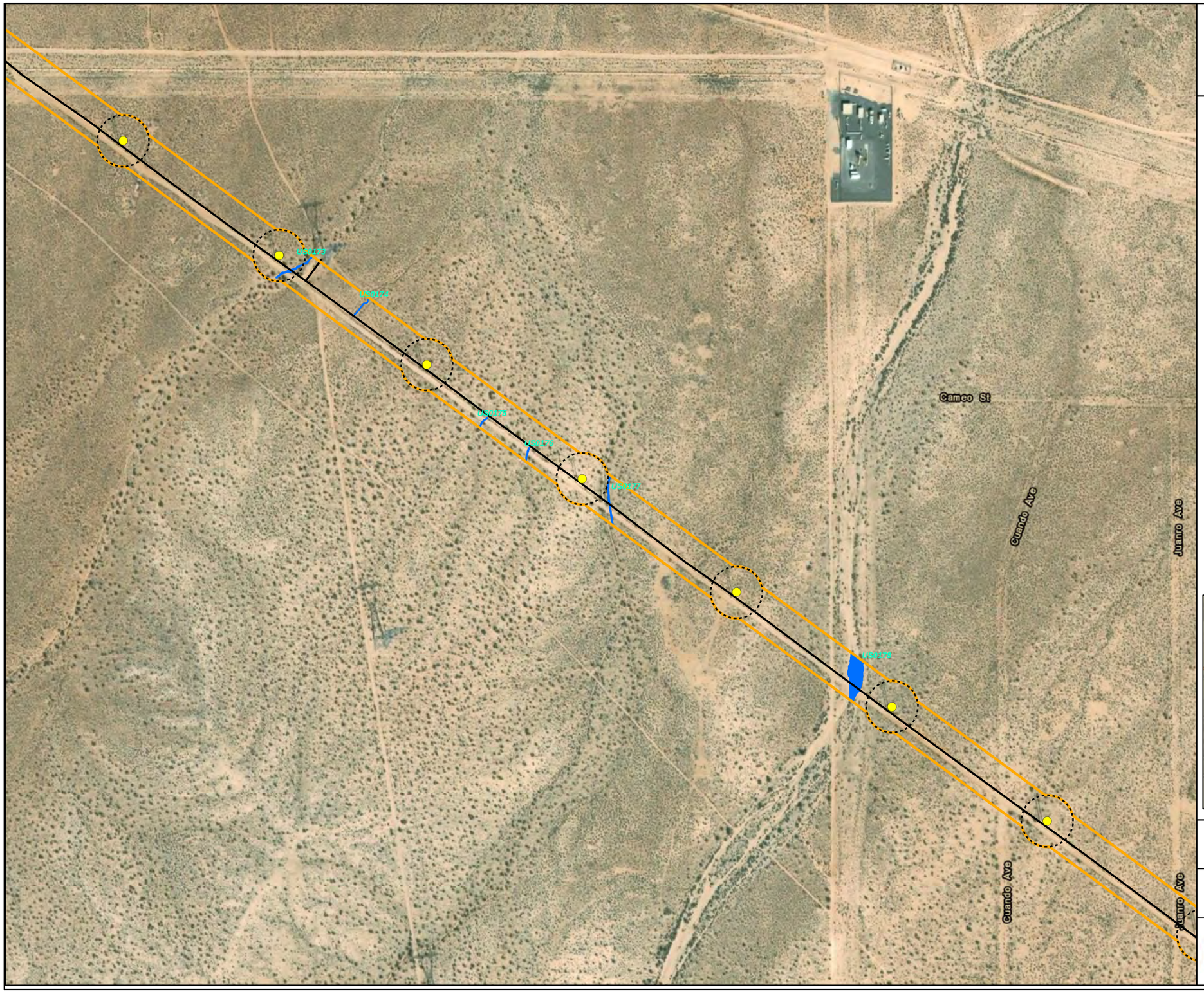

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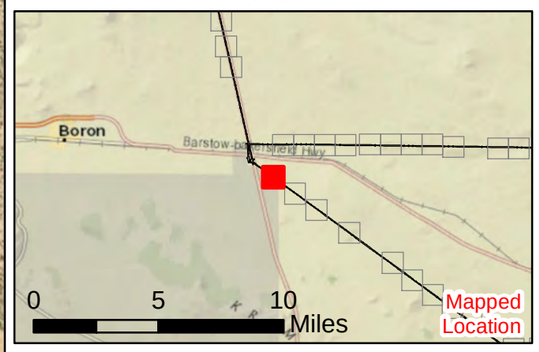
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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- Survey Area
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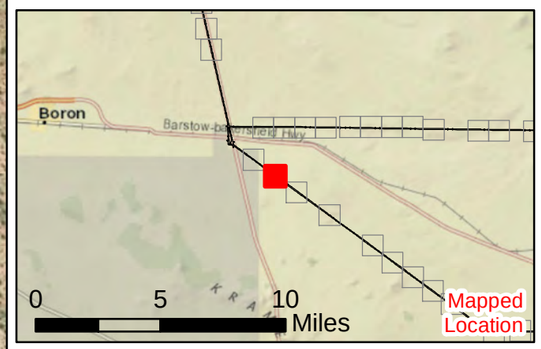
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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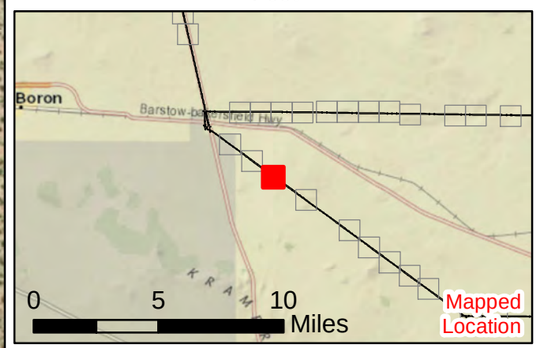
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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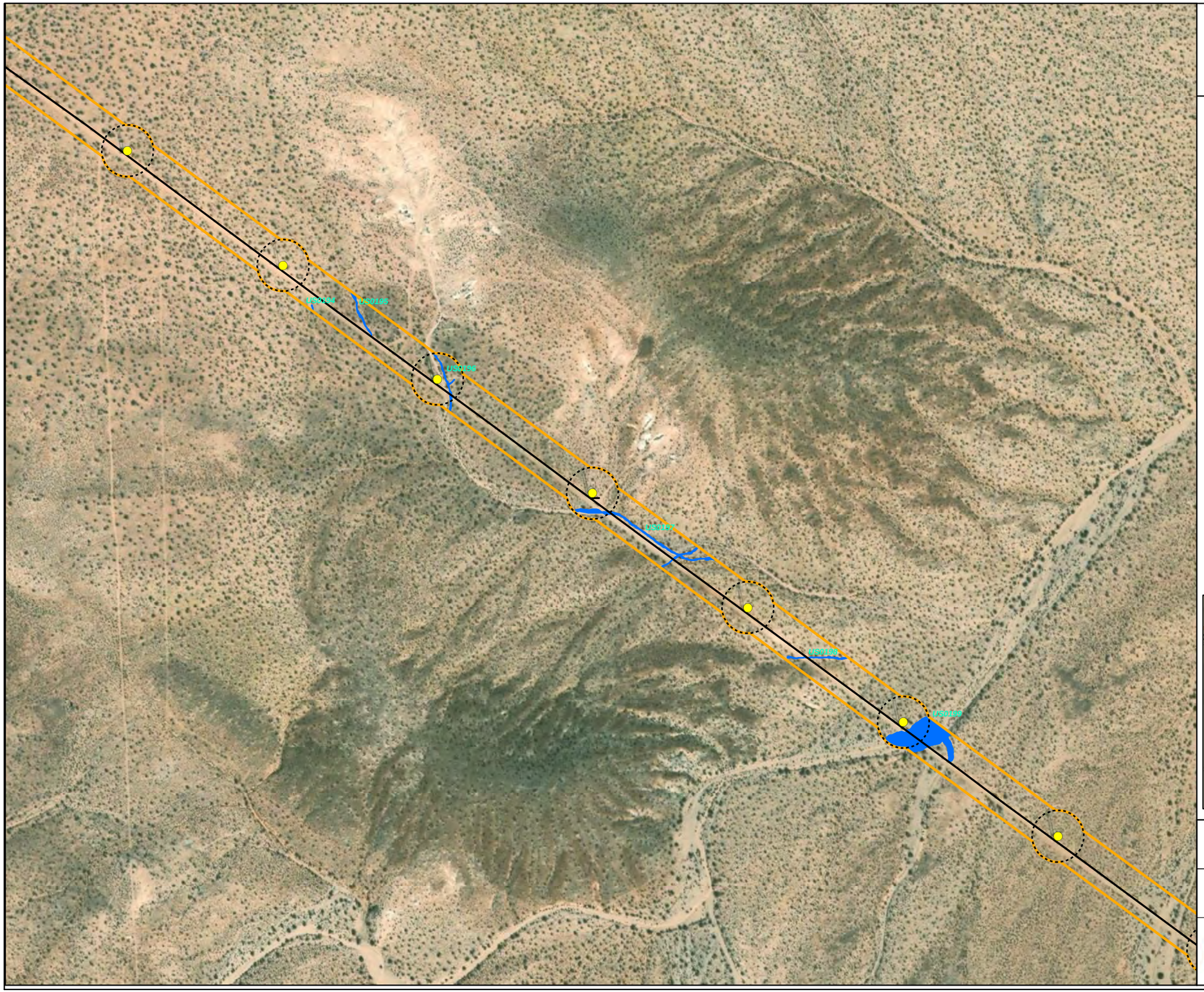

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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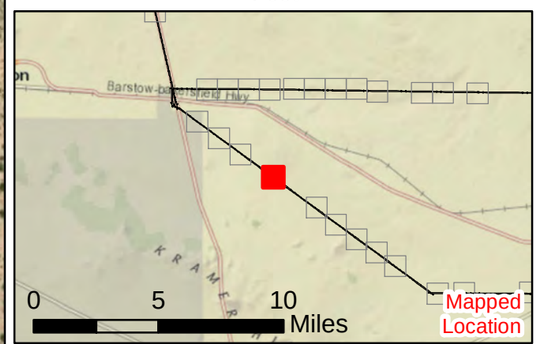
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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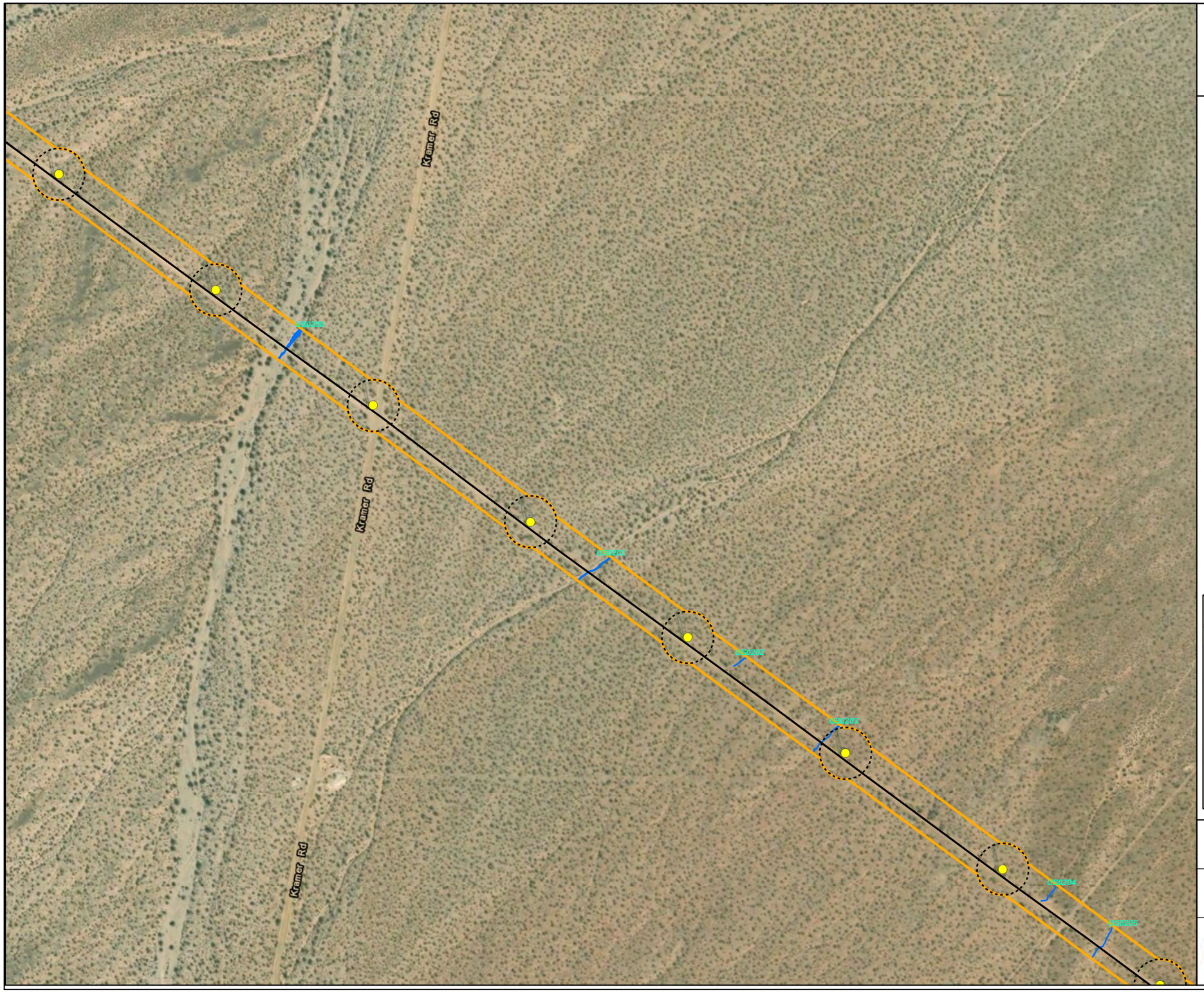

SOUTHERN CALIFORNIA EDISON
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Legend

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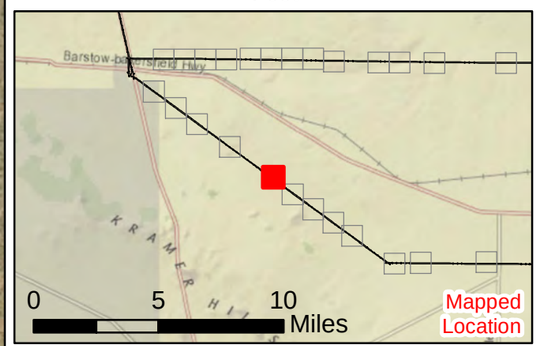
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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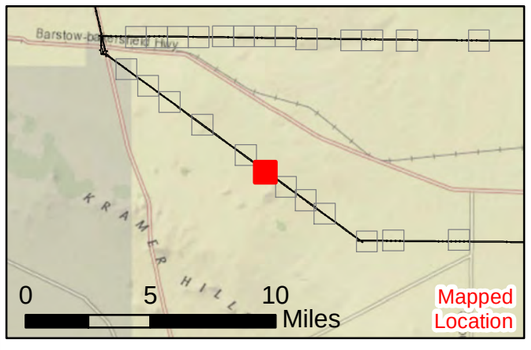
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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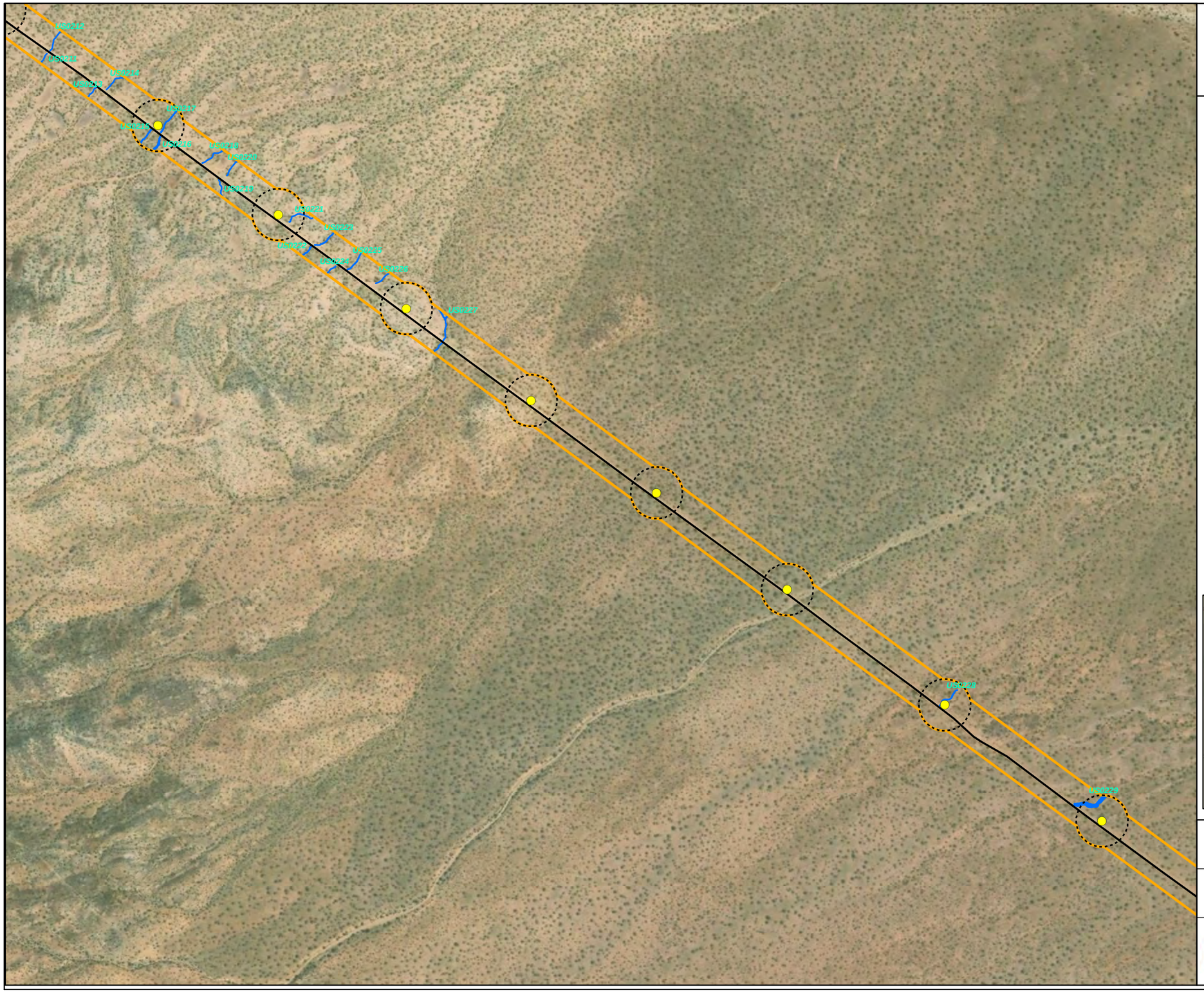

SOUTHERN CALIFORNIA EDISON
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Legend

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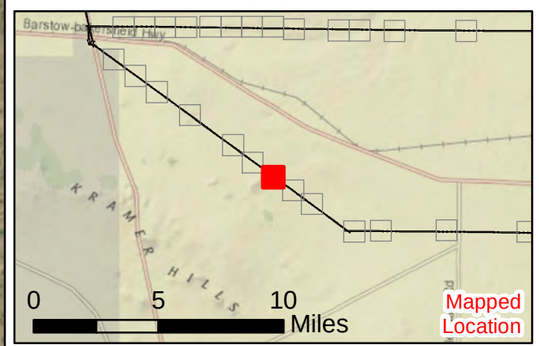
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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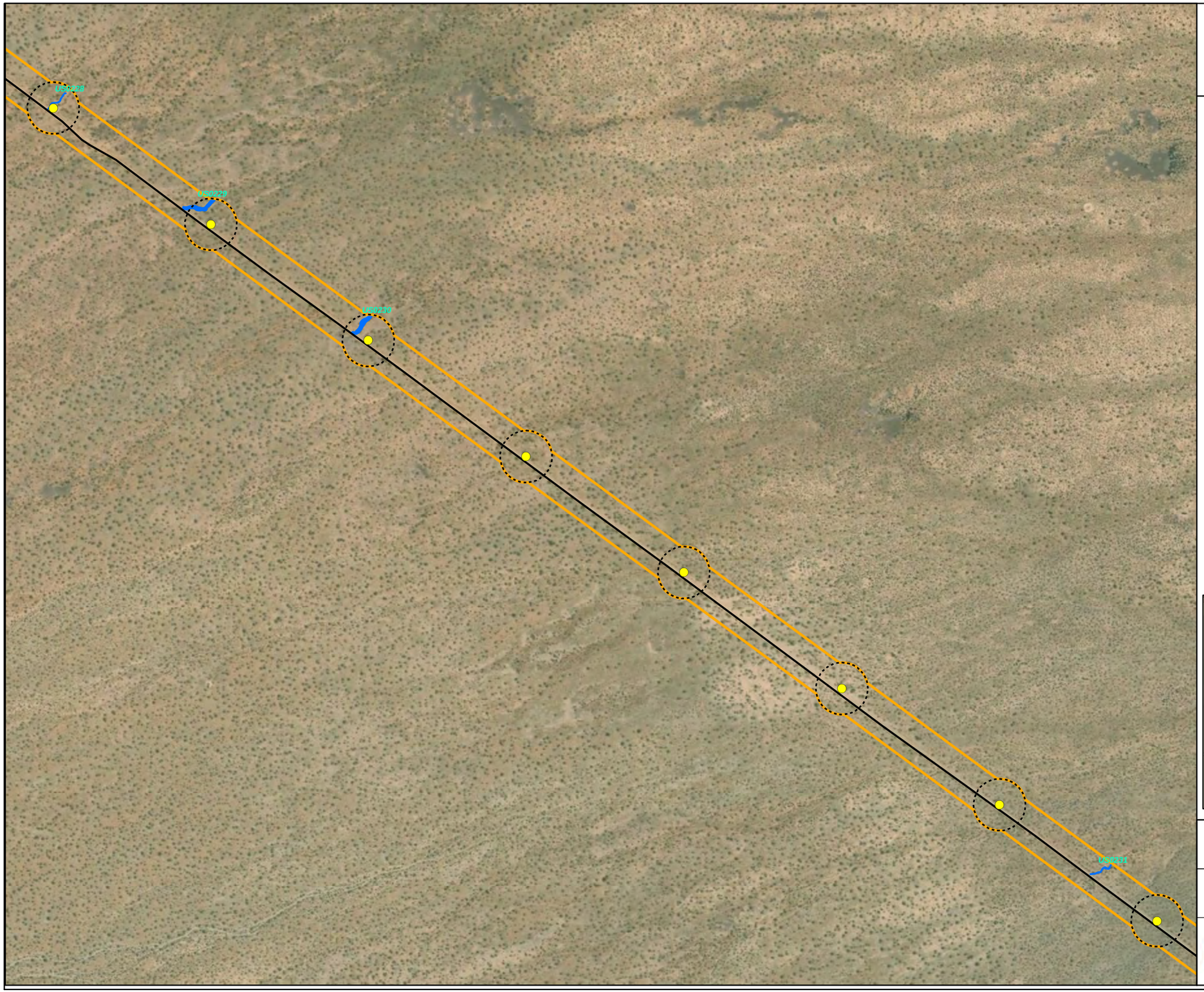

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
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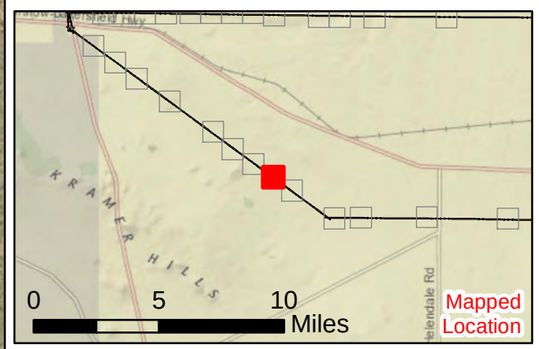
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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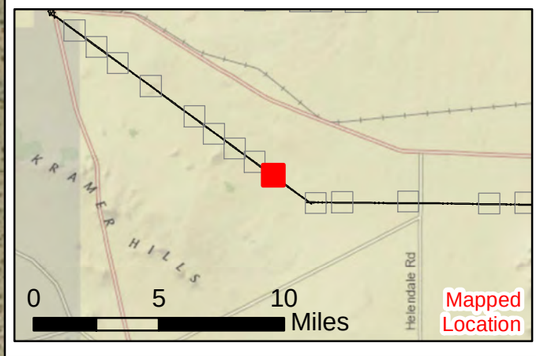
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corparcgis\Data\ArcGIS\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
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SOUTHERN CALIFORNIA EDISON®
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Legend

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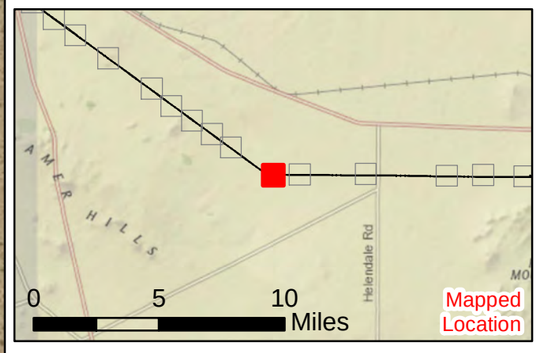
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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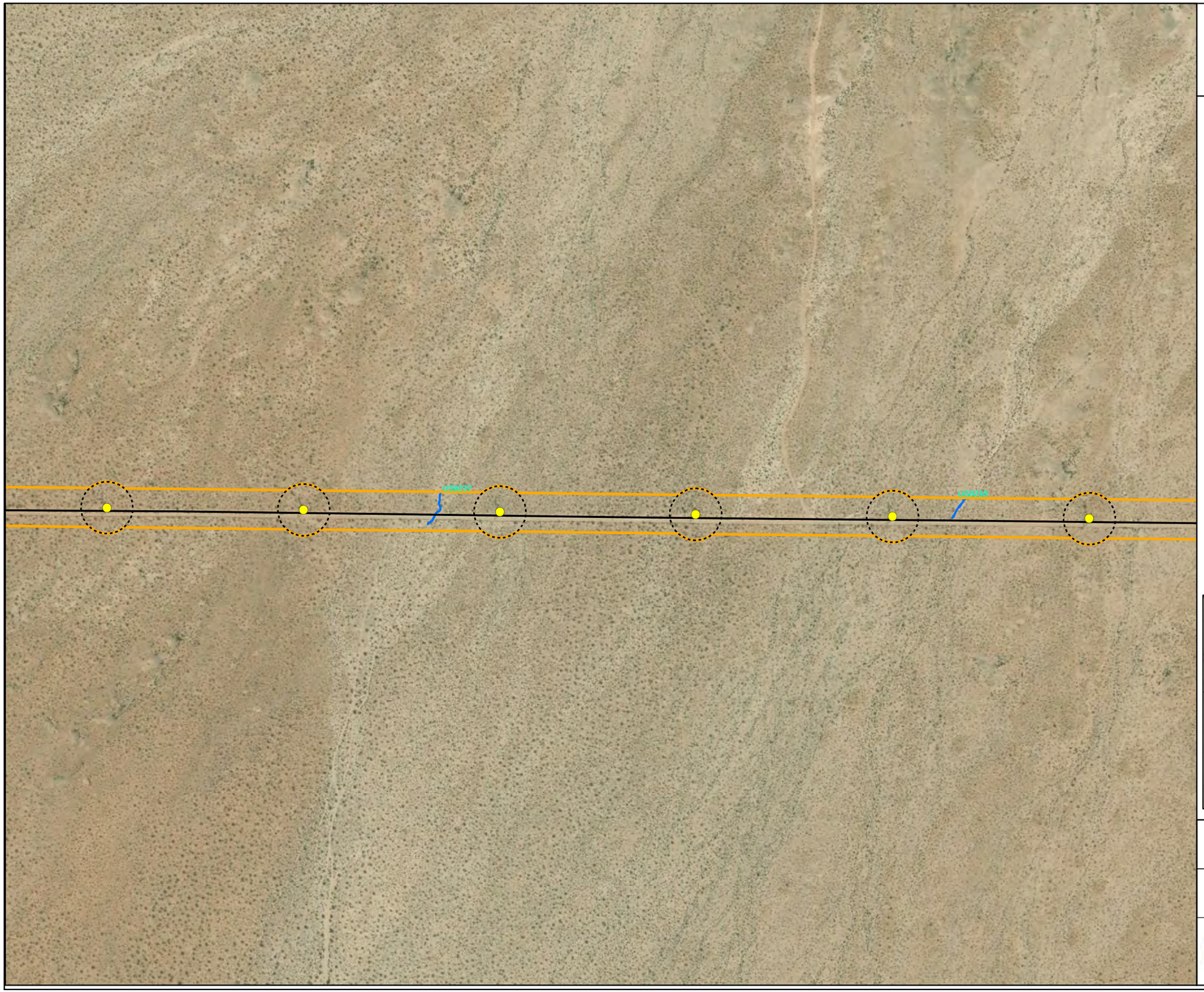

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Legend

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0 490 980
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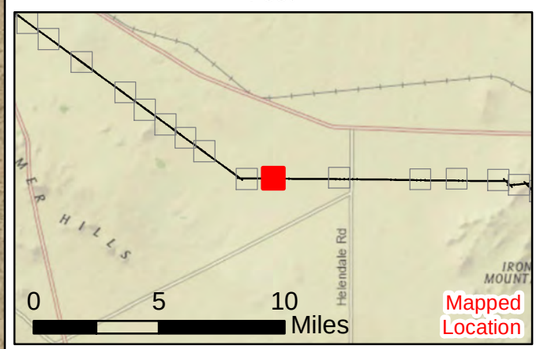

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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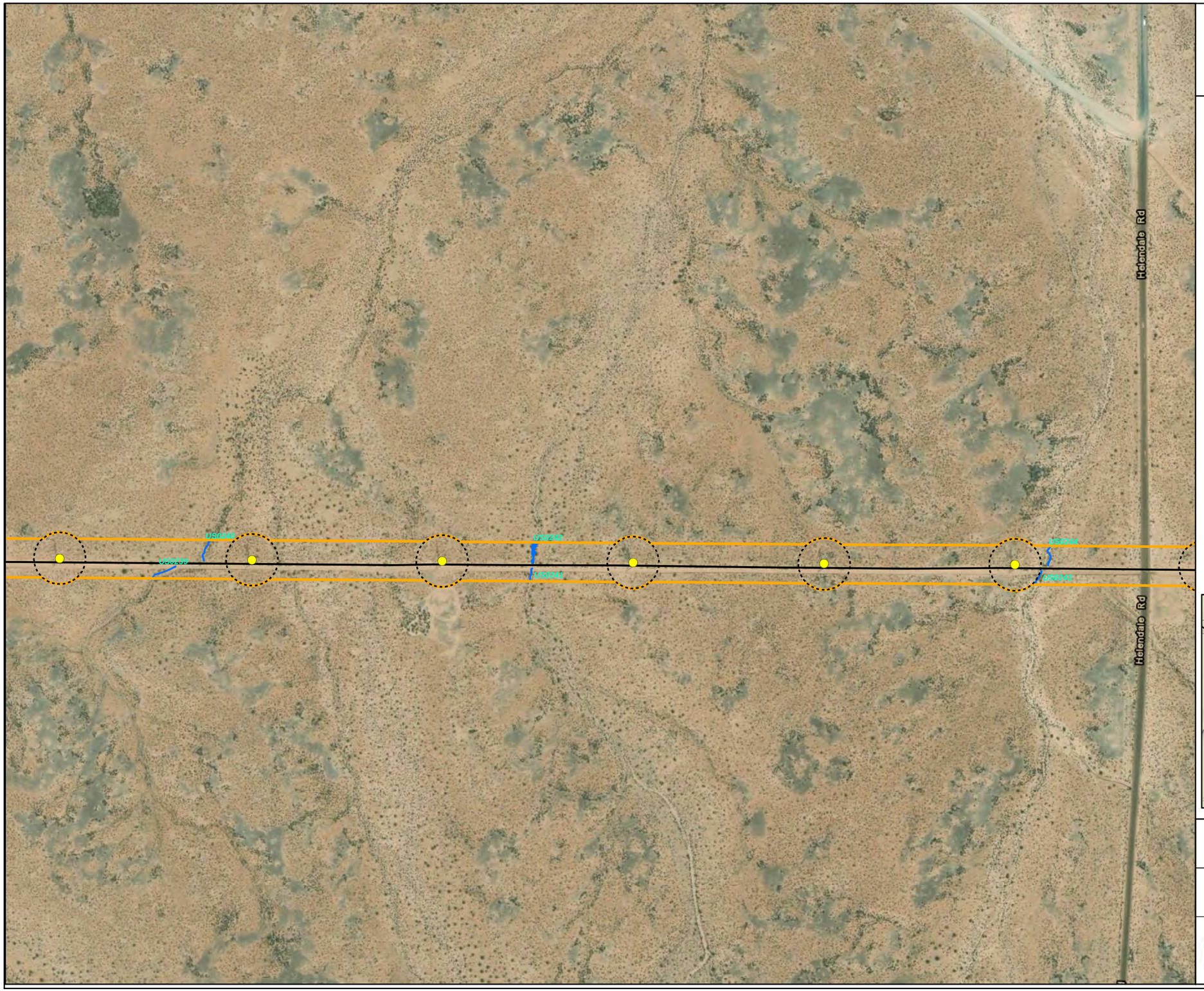

SOUTHERN CALIFORNIA EDISON
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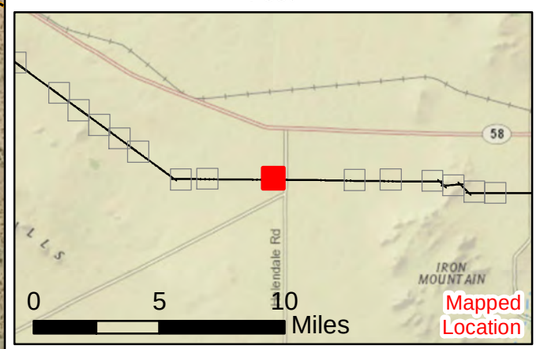
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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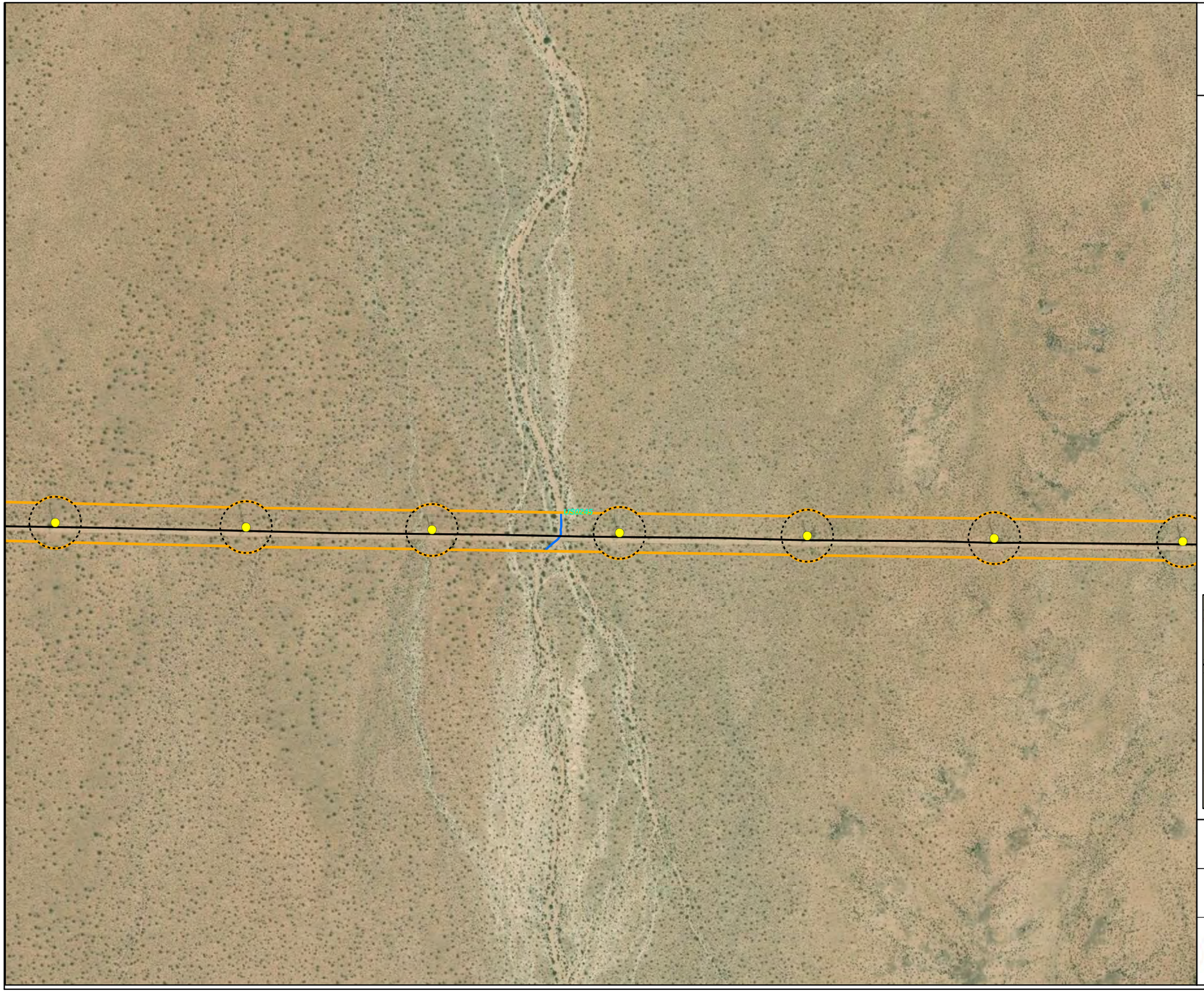

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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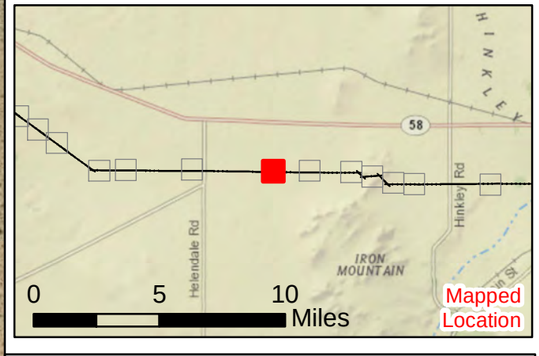
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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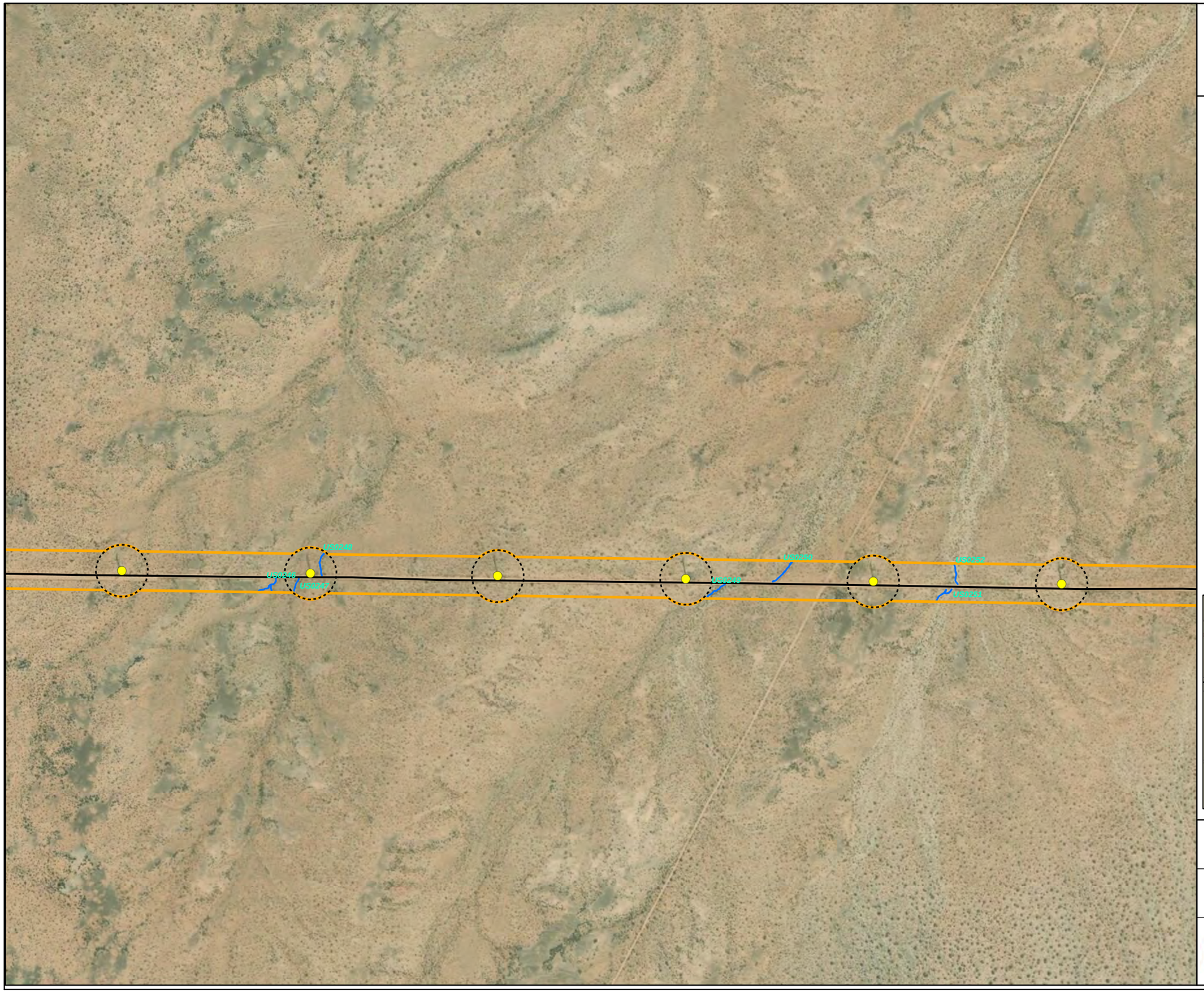

SOUTHERN CALIFORNIA EDISON®
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Legend

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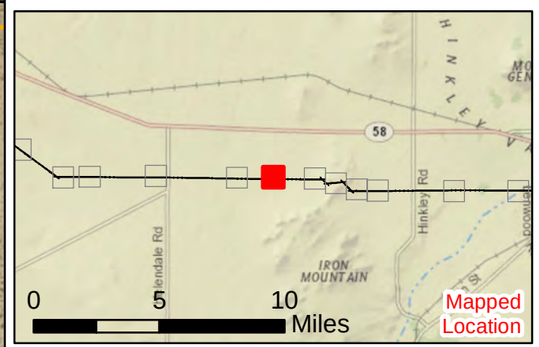
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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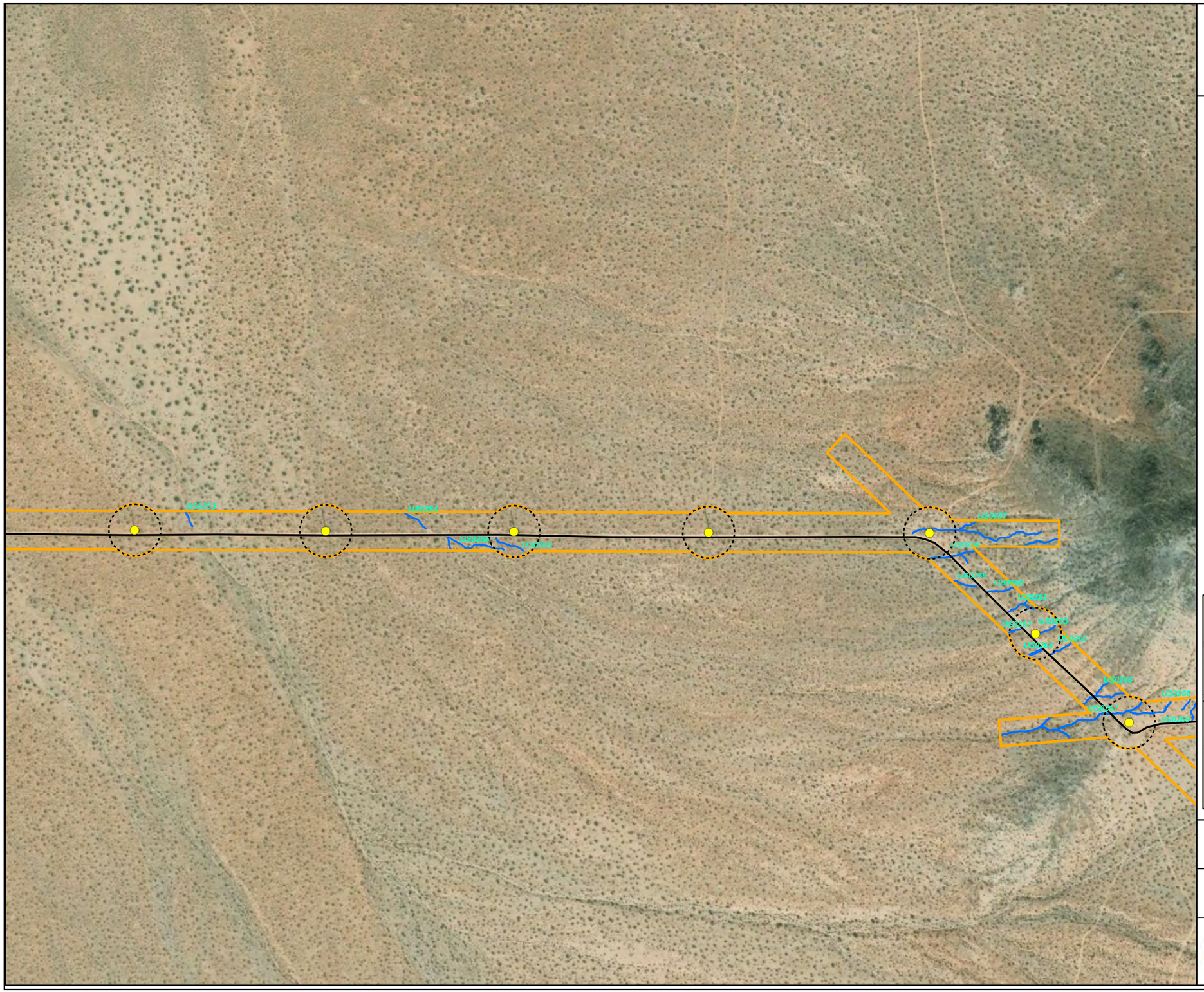

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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0 490 980
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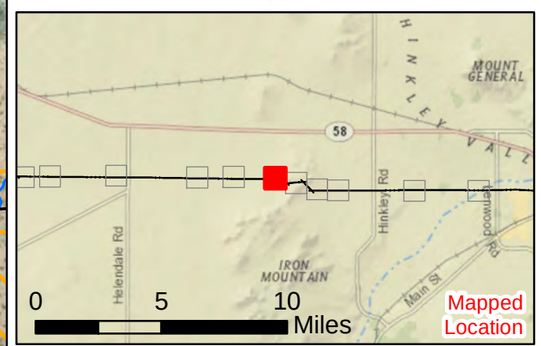

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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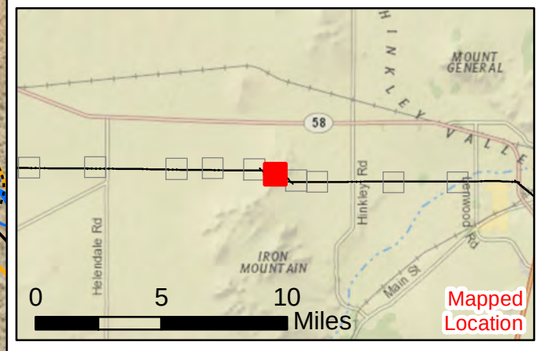

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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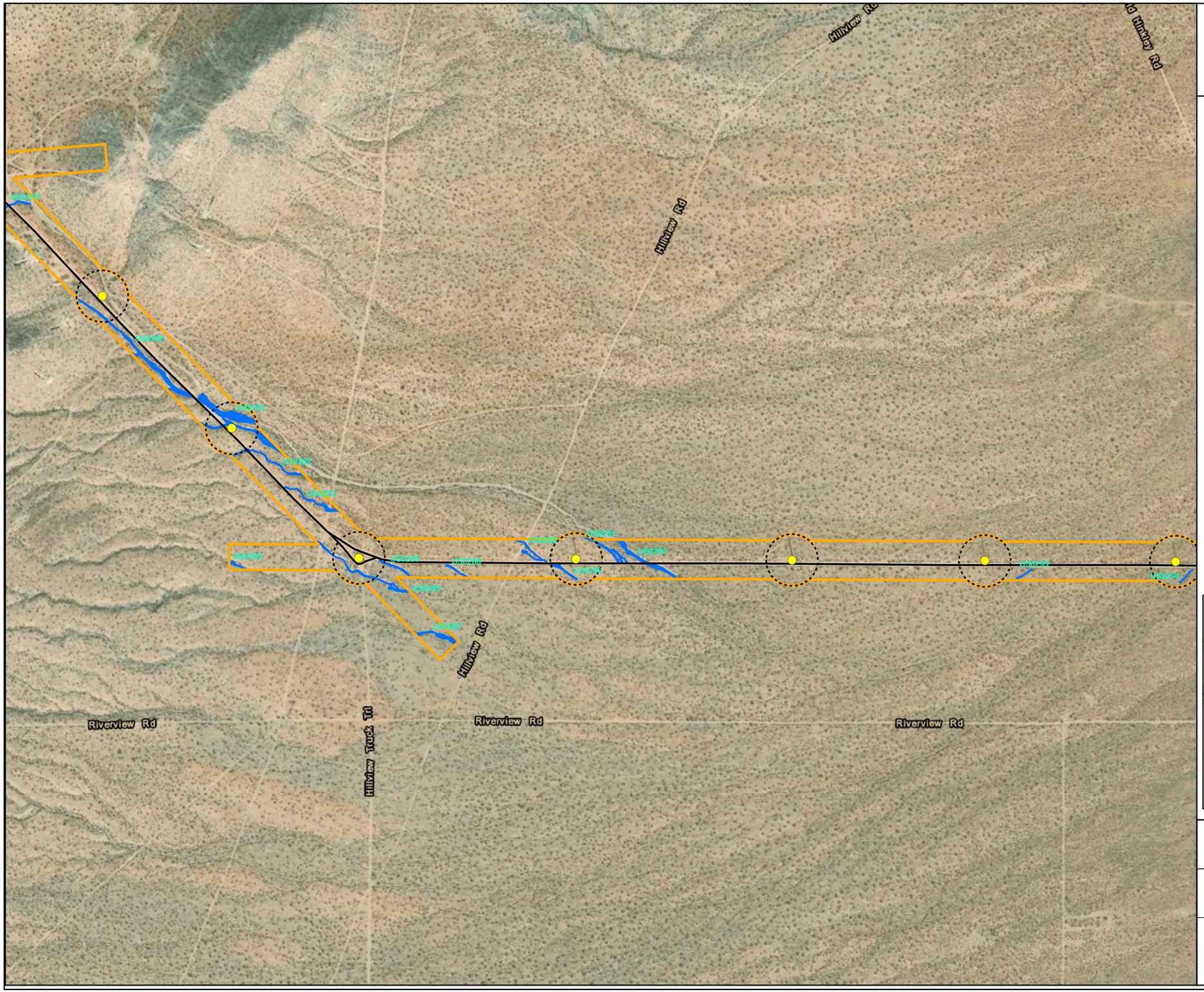

SOUTHERN CALIFORNIA EDISON
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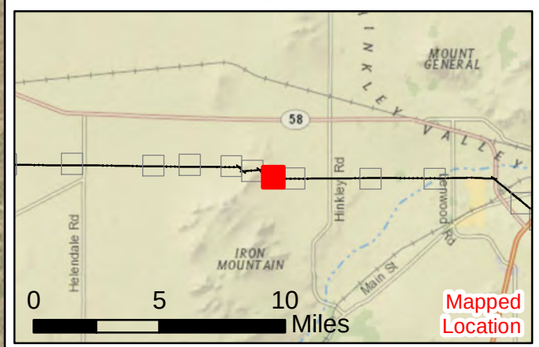

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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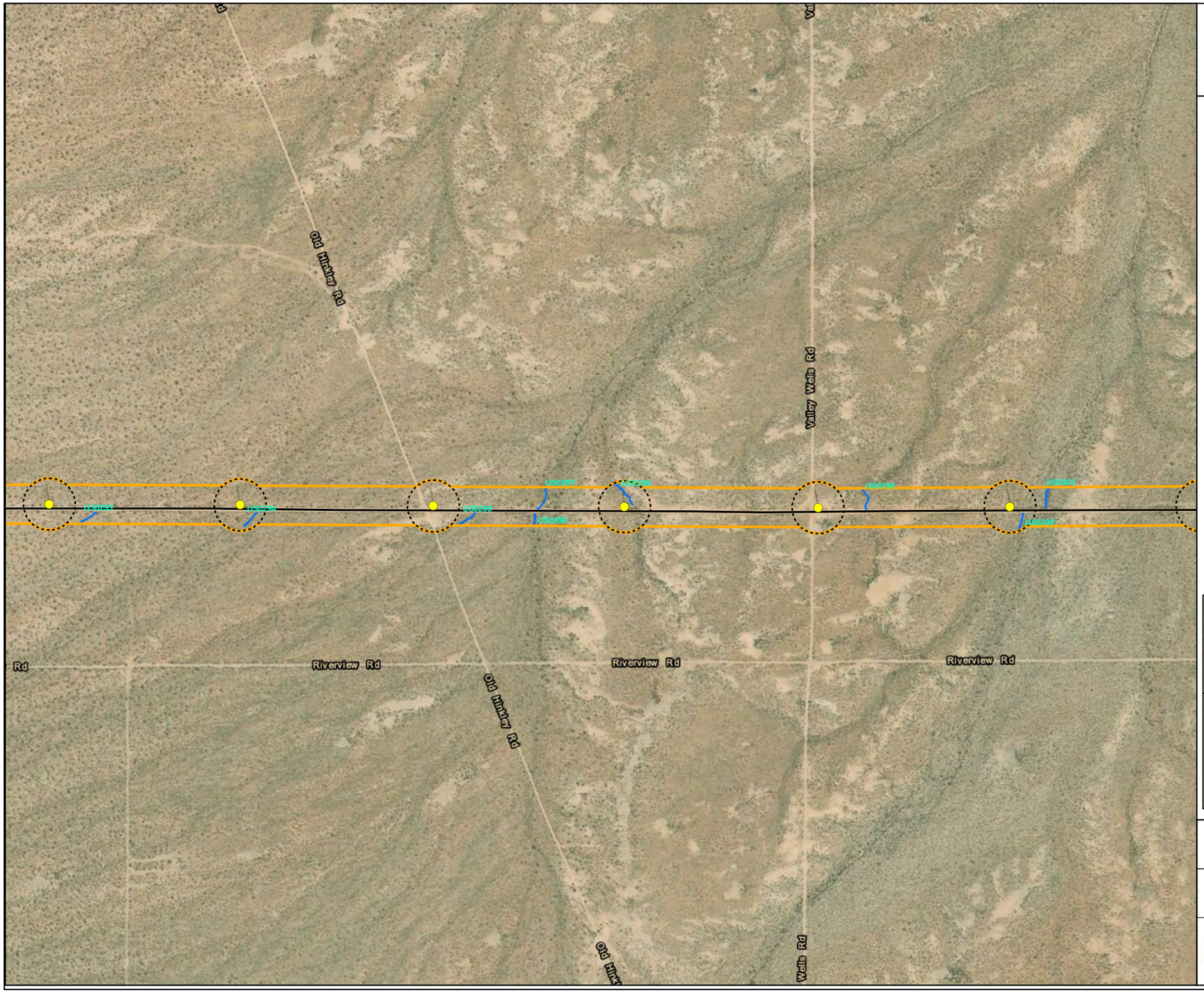

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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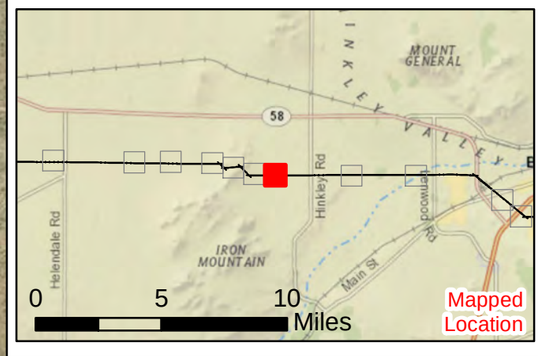
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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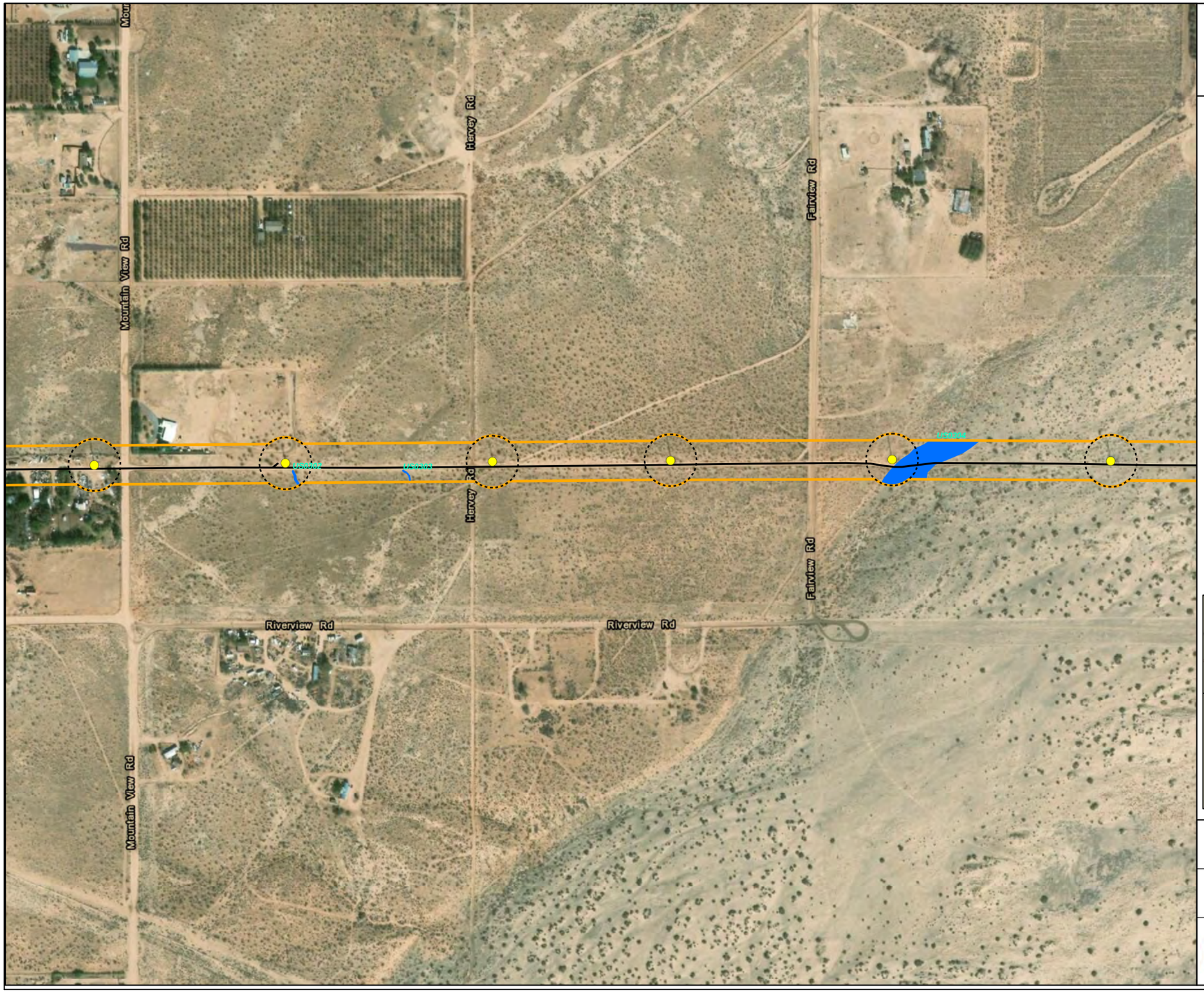

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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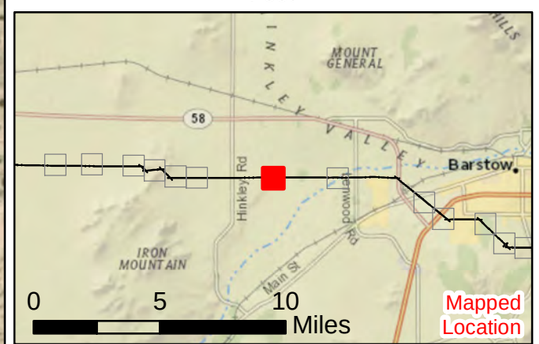
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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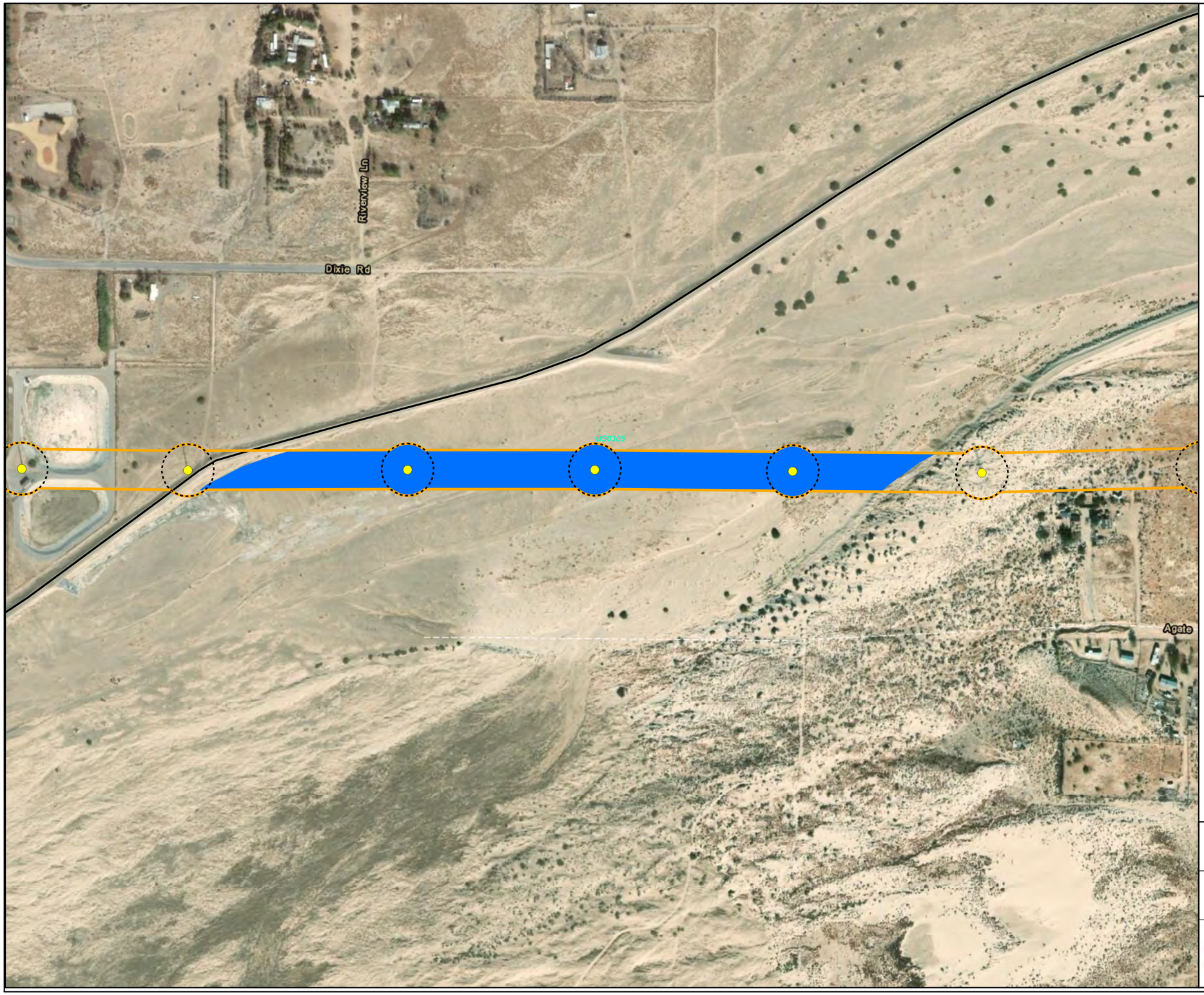
Coordinate System: NAD 1983 UTM Zone 11N

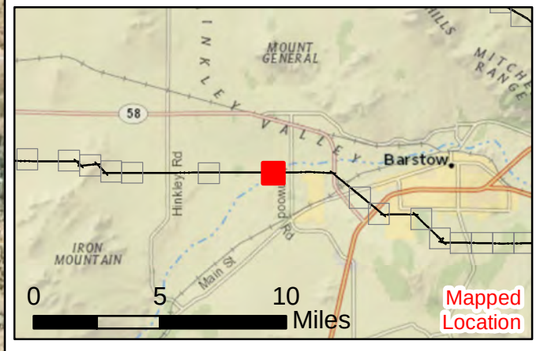


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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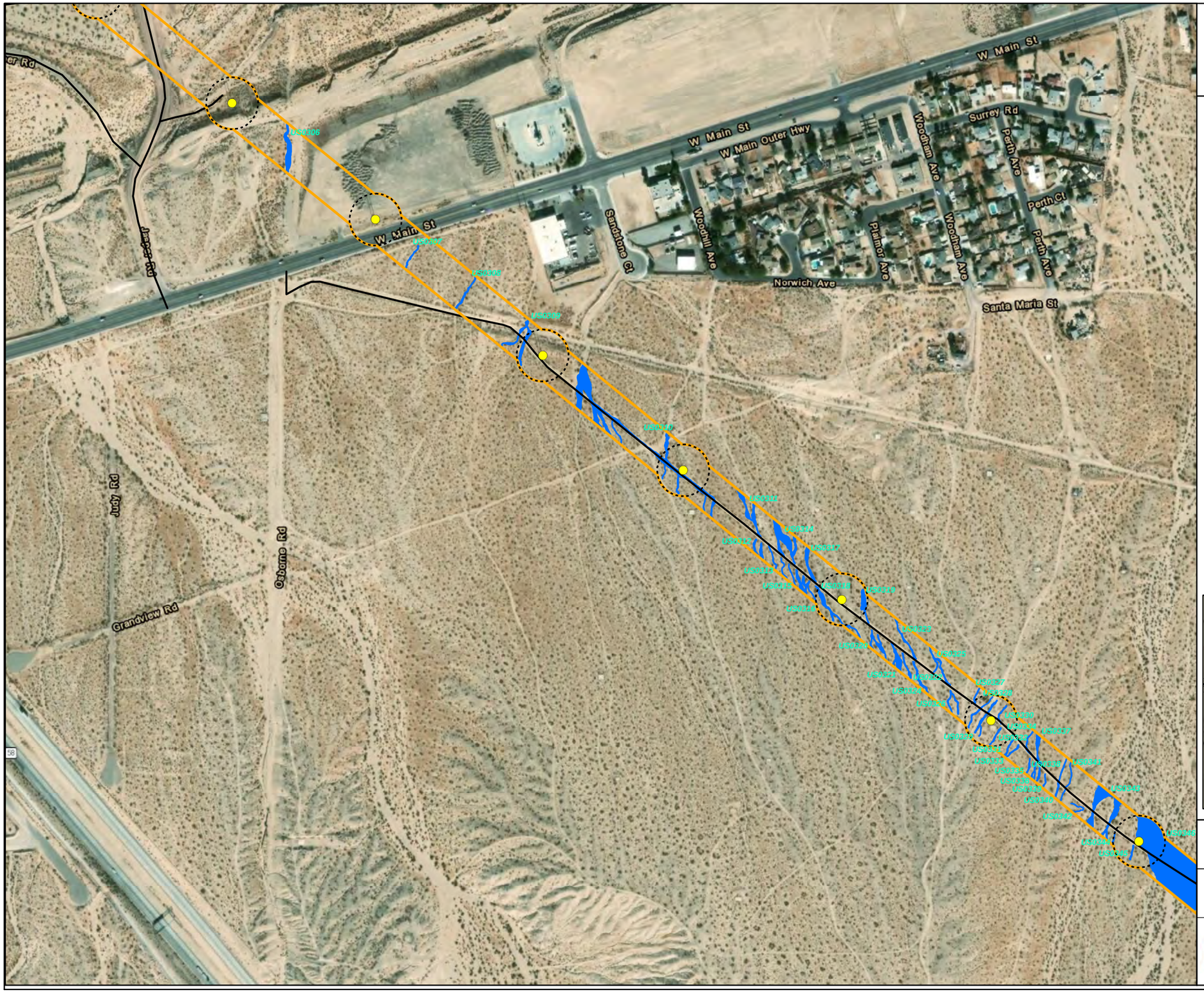
Coordinate System: NAD 1983 UTM Zone 11N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W Main Outer Hwy
W Main St
Jasper Rd
Sandstone Ct
Woodhill Ave
Norwich Ave
Palmor Ave
Woodham Ave
Surrey Rd
Perth Ave
Perth Ct
Santa Maria St
Judy Rd
Osborne Rd
Grandview Rd
58
L0004006
L0004007
L0004008
L0004009
L0004010
L0004011
L0004012
L0004013
L0004014
L0004015
L0004016
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L0004018
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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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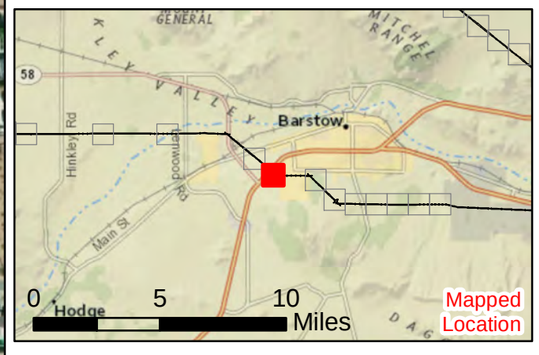

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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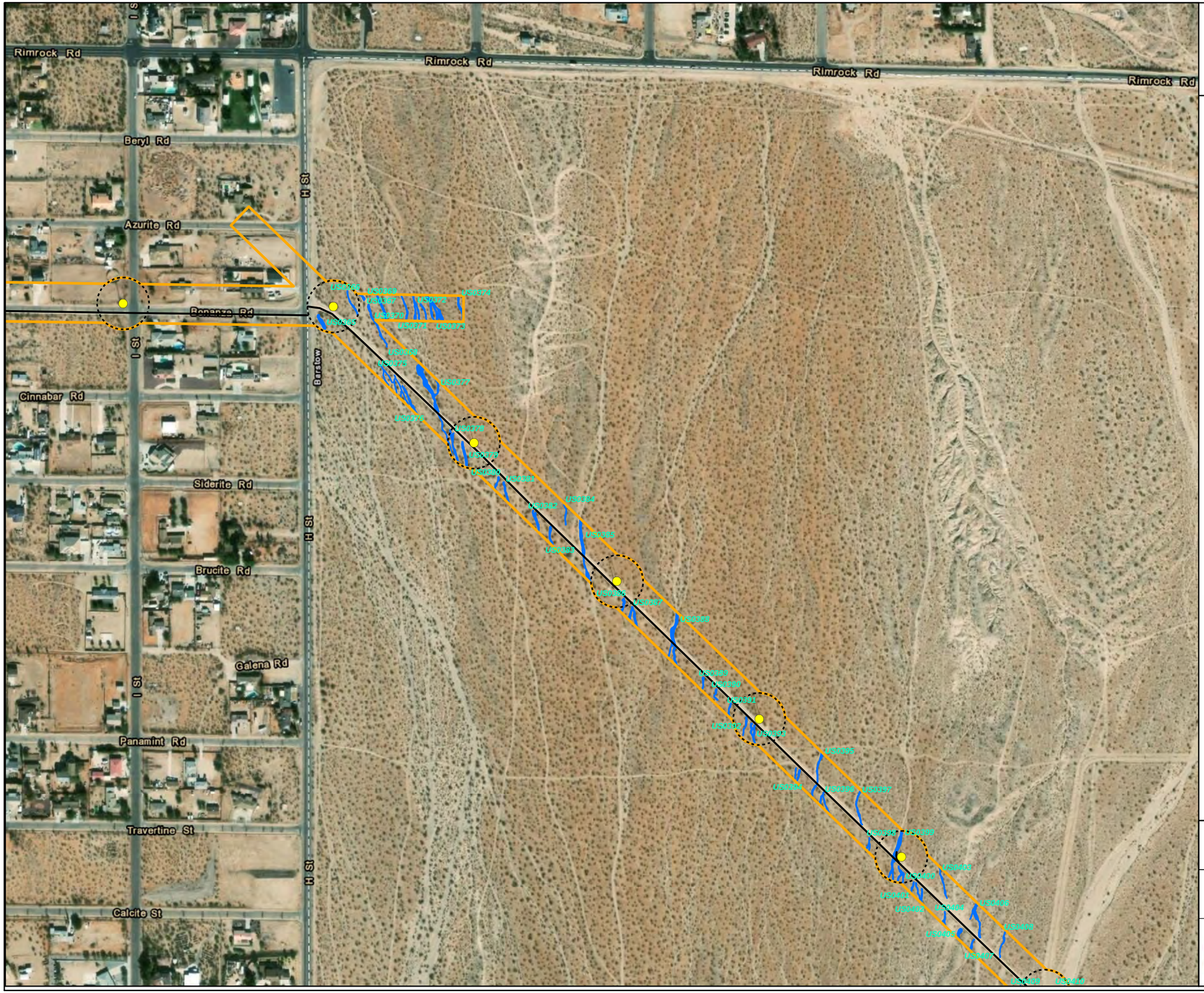
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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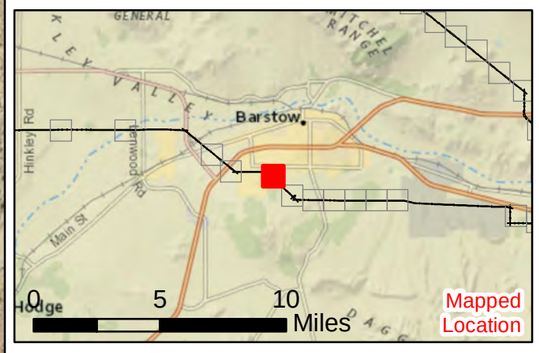

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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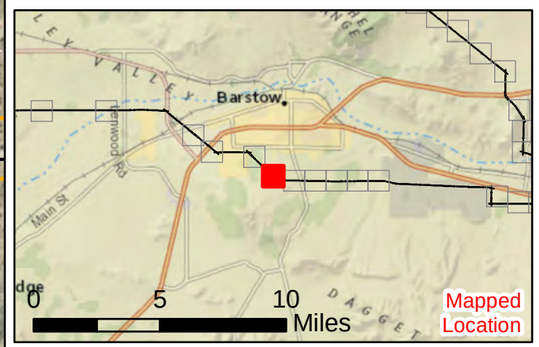

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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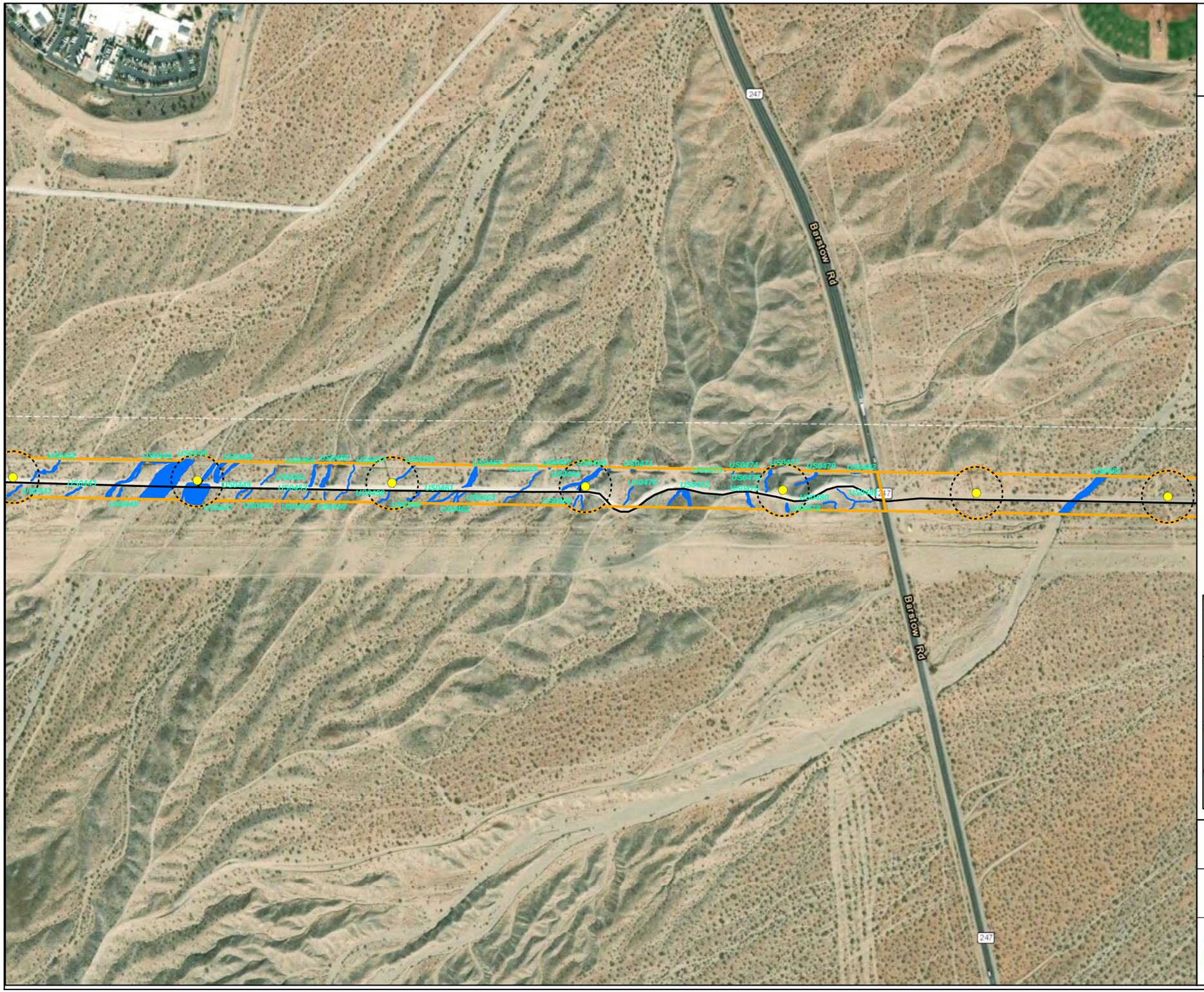

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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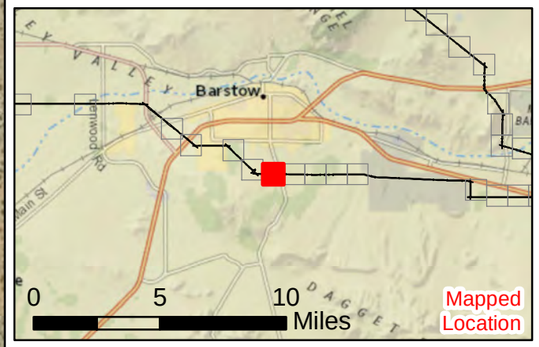

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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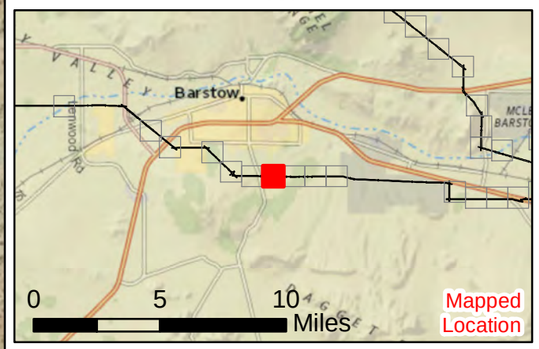

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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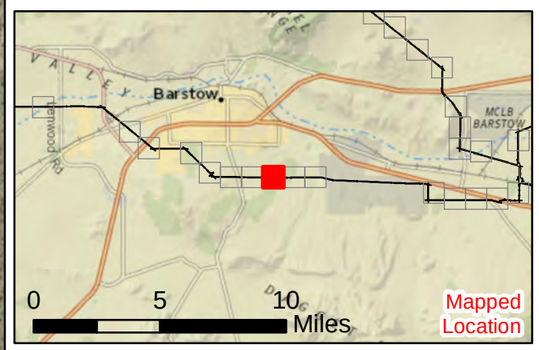

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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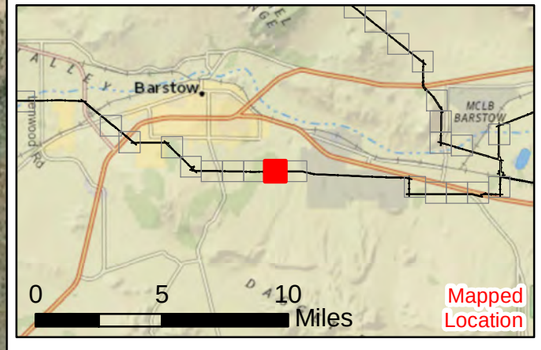

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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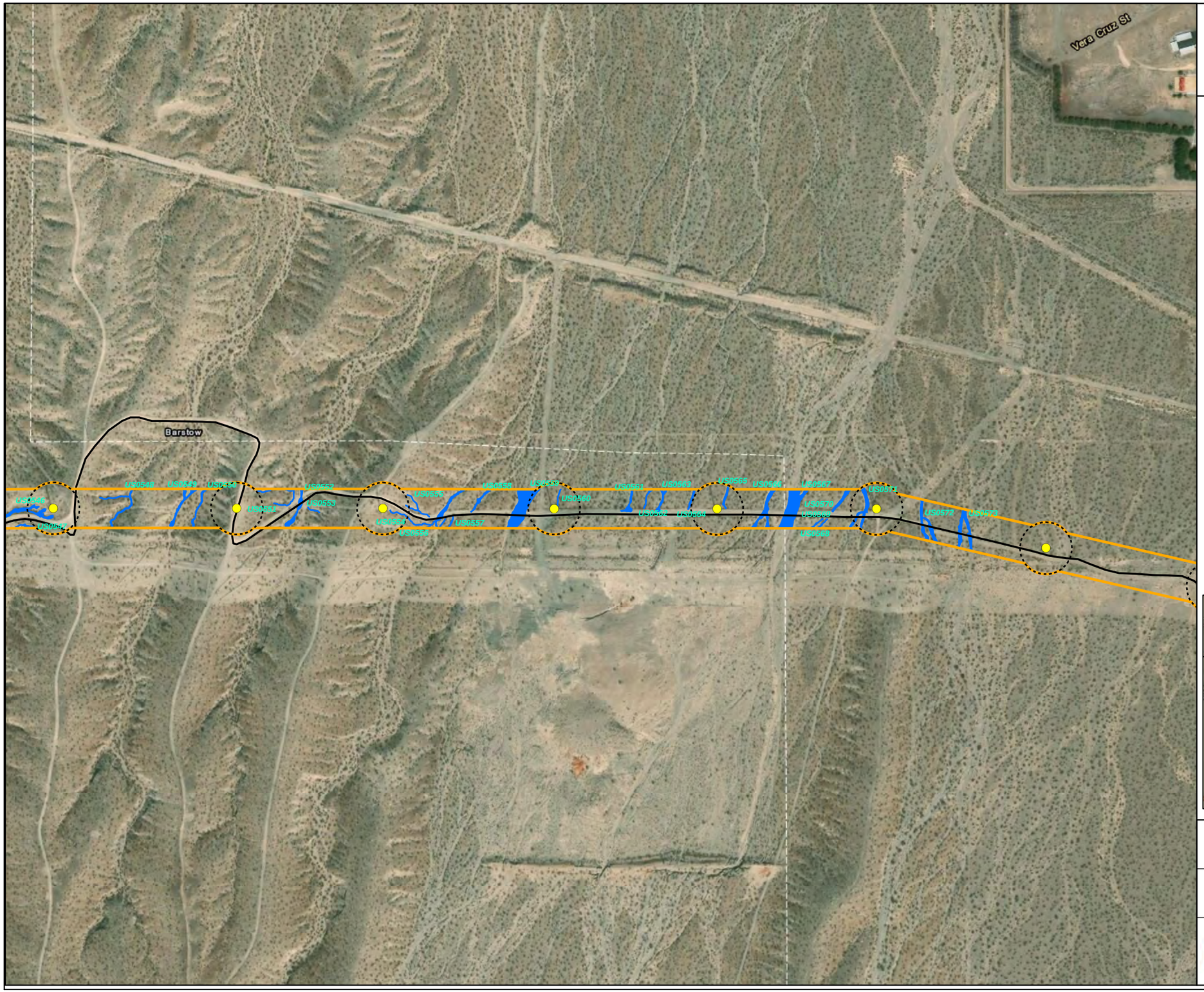

SOUTHERN CALIFORNIA EDISON
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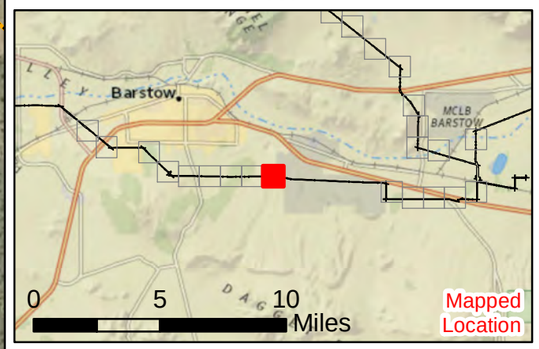

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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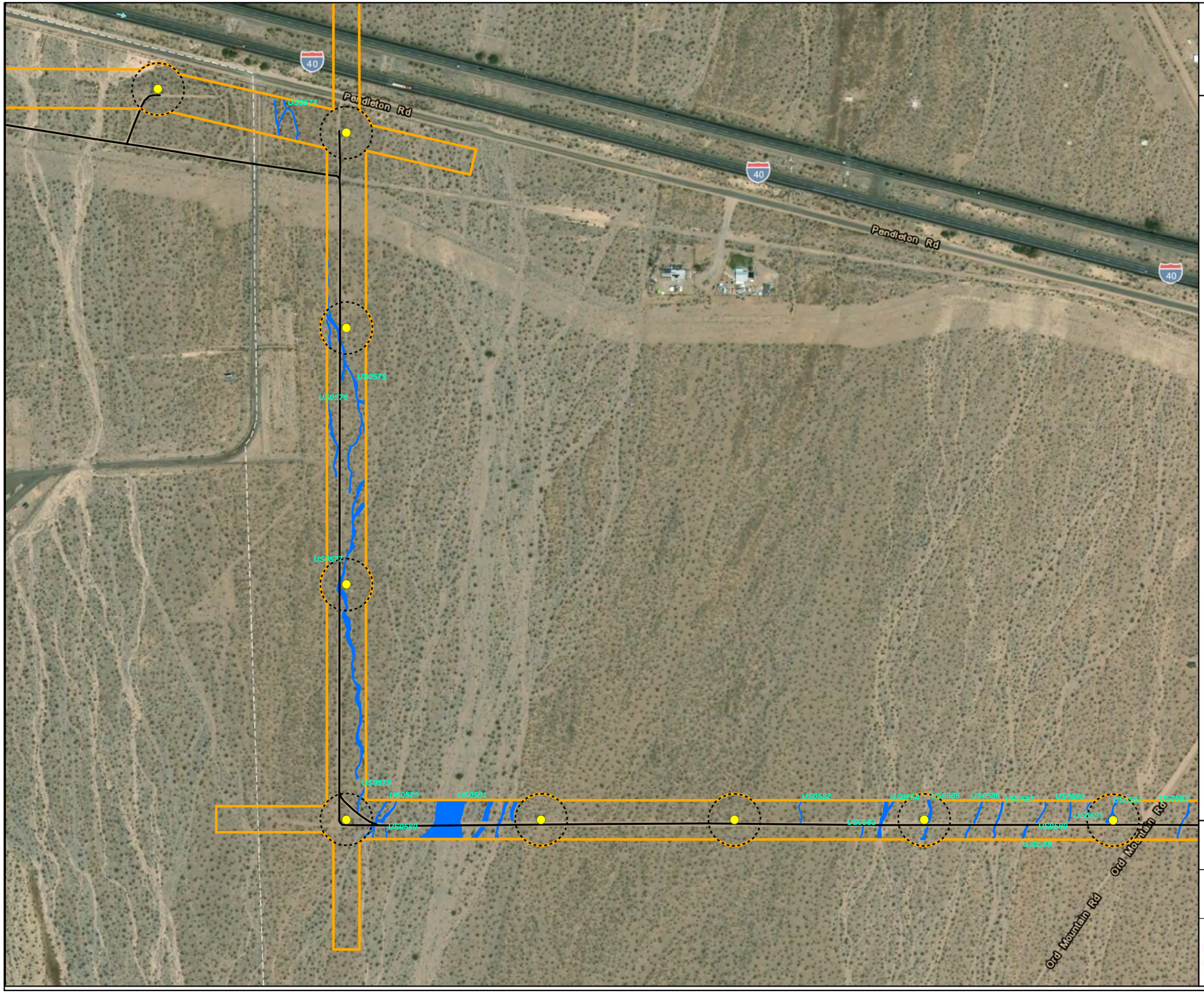
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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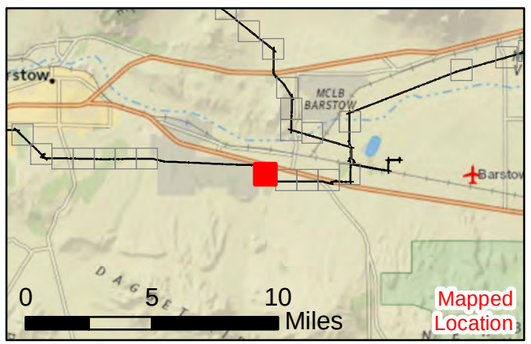

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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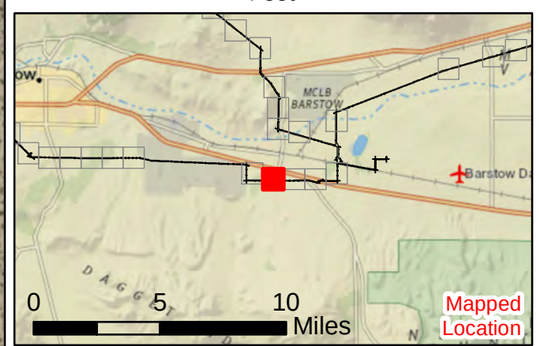

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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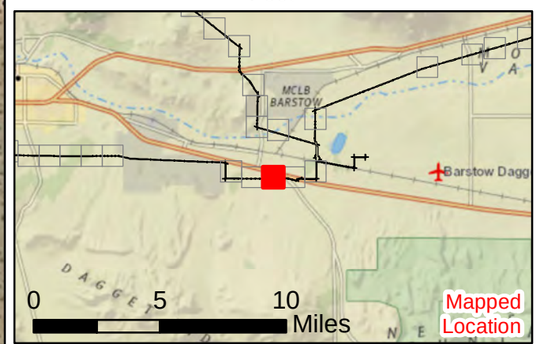

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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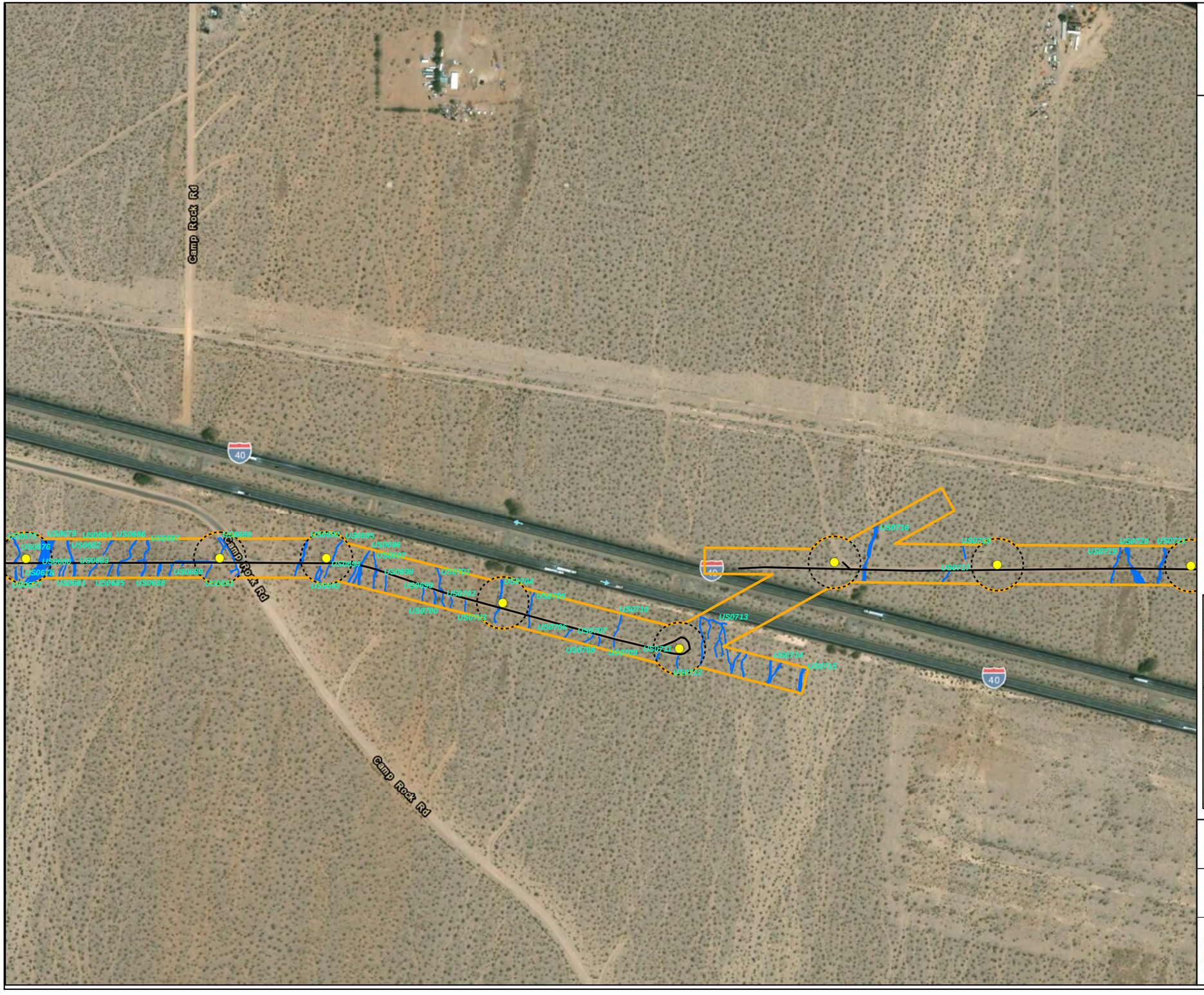

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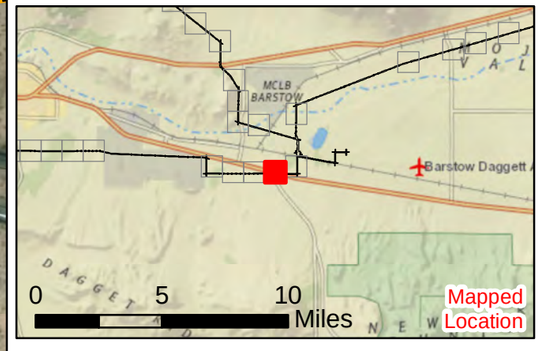

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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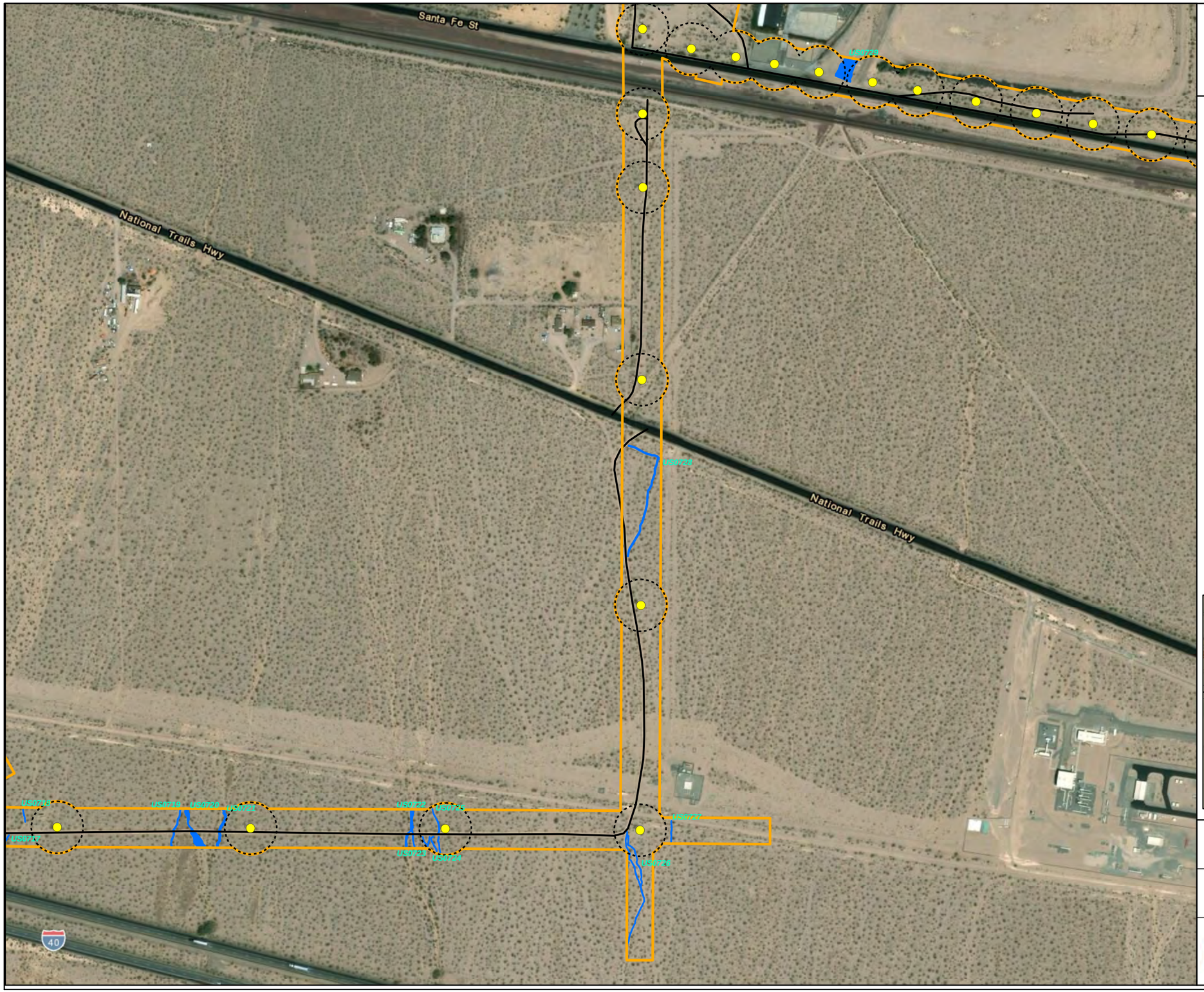

SOUTHERN CALIFORNIA EDISON
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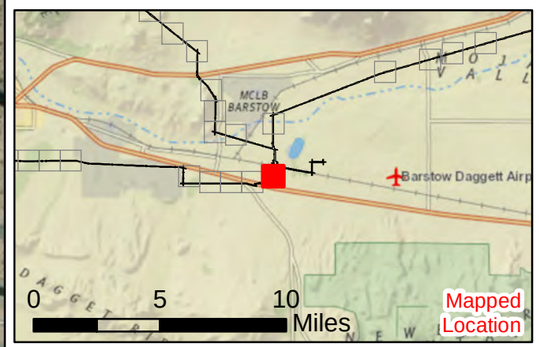

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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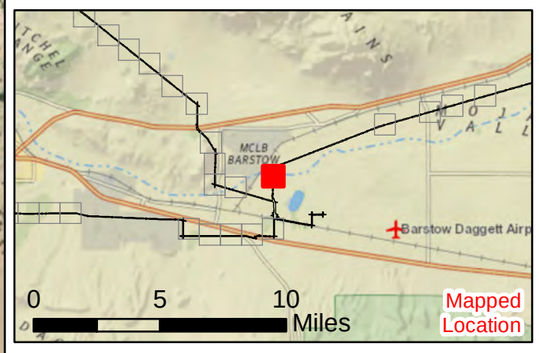

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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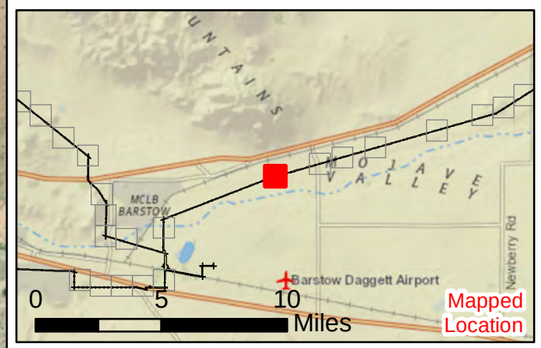

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON®
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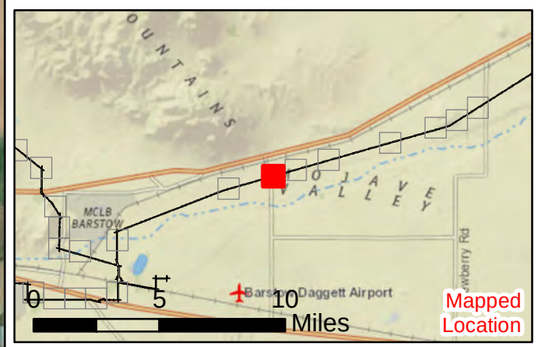

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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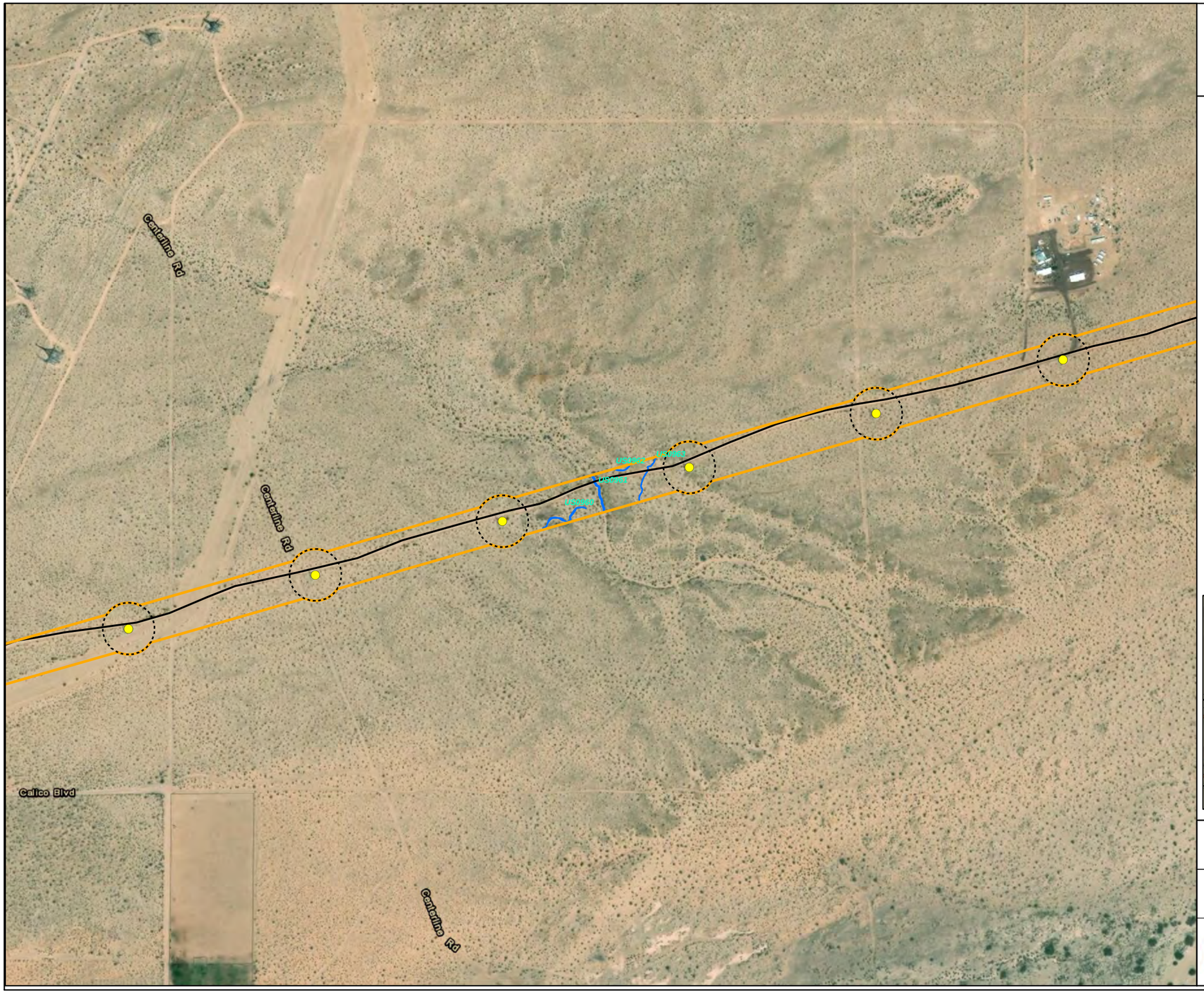

SOUTHERN CALIFORNIA EDISON
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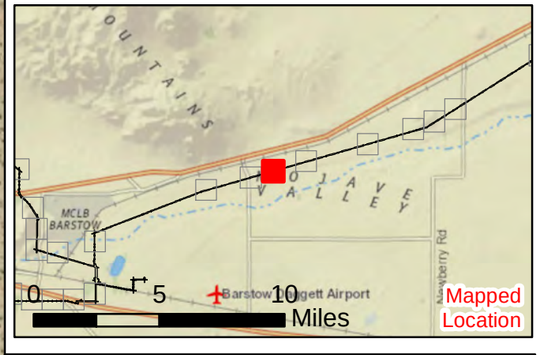

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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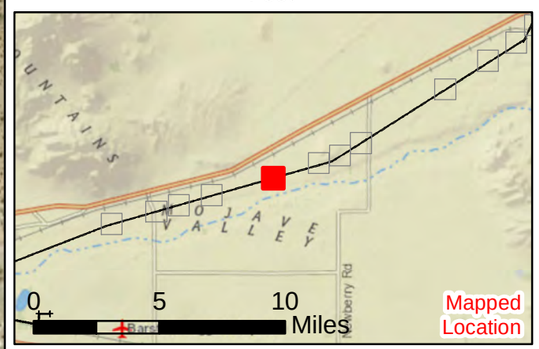
Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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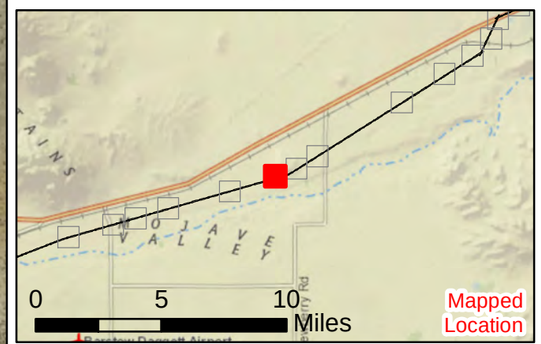

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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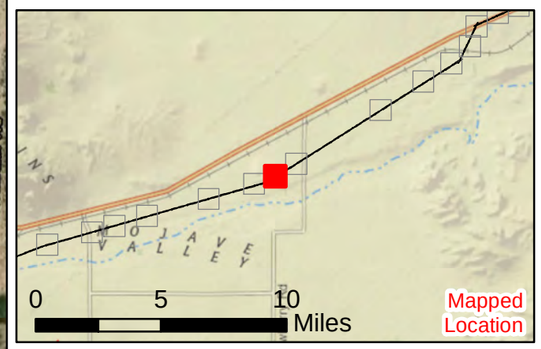

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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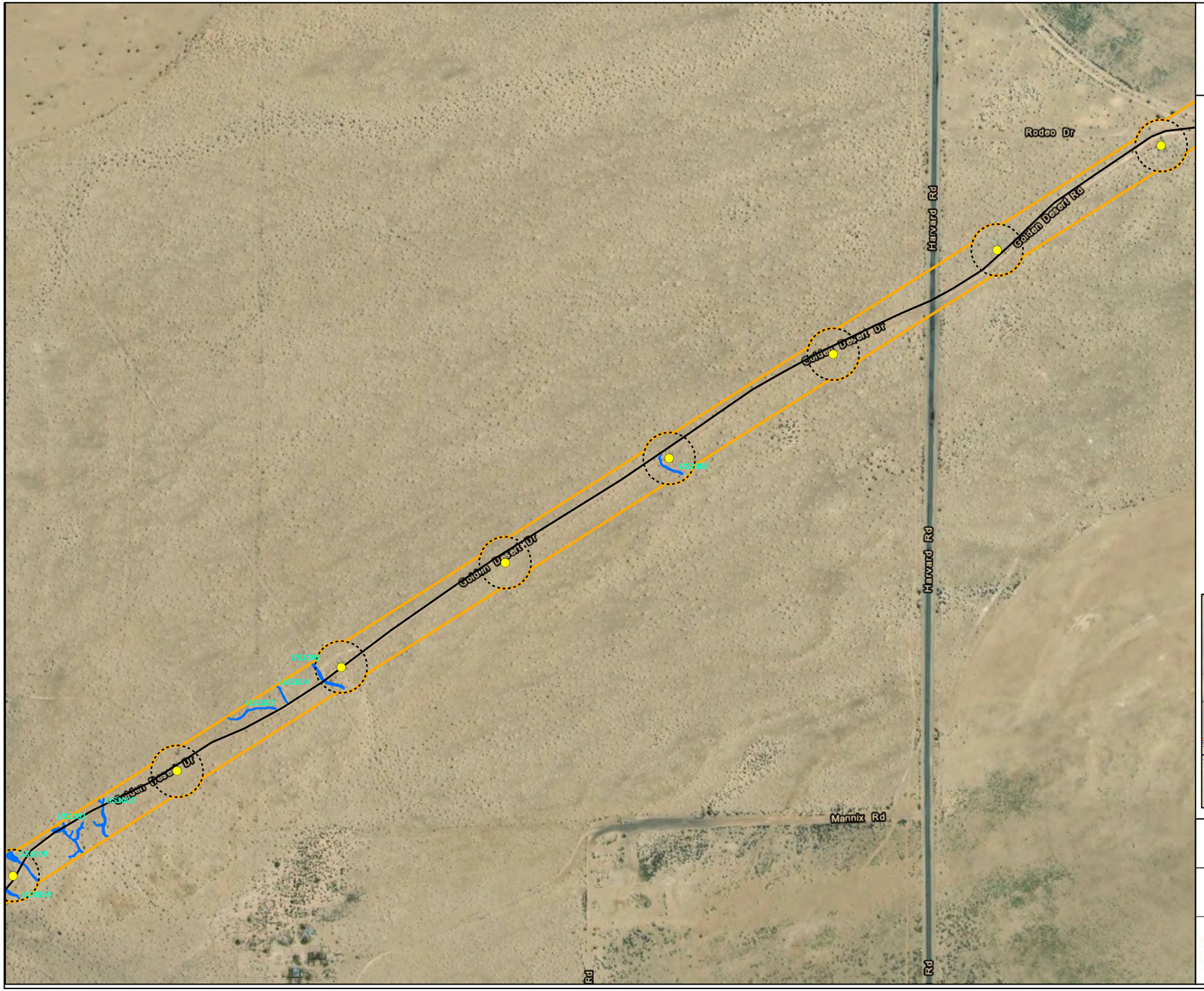
Coordinate System: NAD 1983 UTM Zone 11N


Rodeo Dr
Harvard Rd
Golden Desert Rd
Golden Desert Dr
Golden Desert Ln
Golden Desert Ct
Golden Desert Ln
Golden Desert Ln
Golden Desert Ln

SOUTHERN CALIFORNIA EDISON
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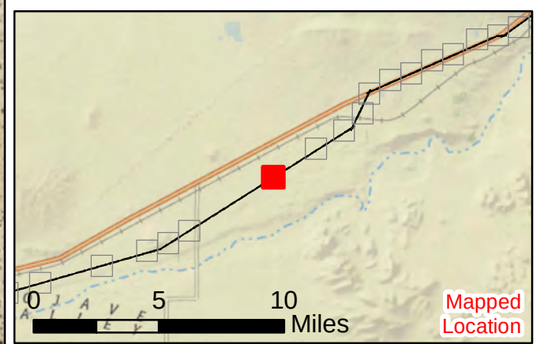

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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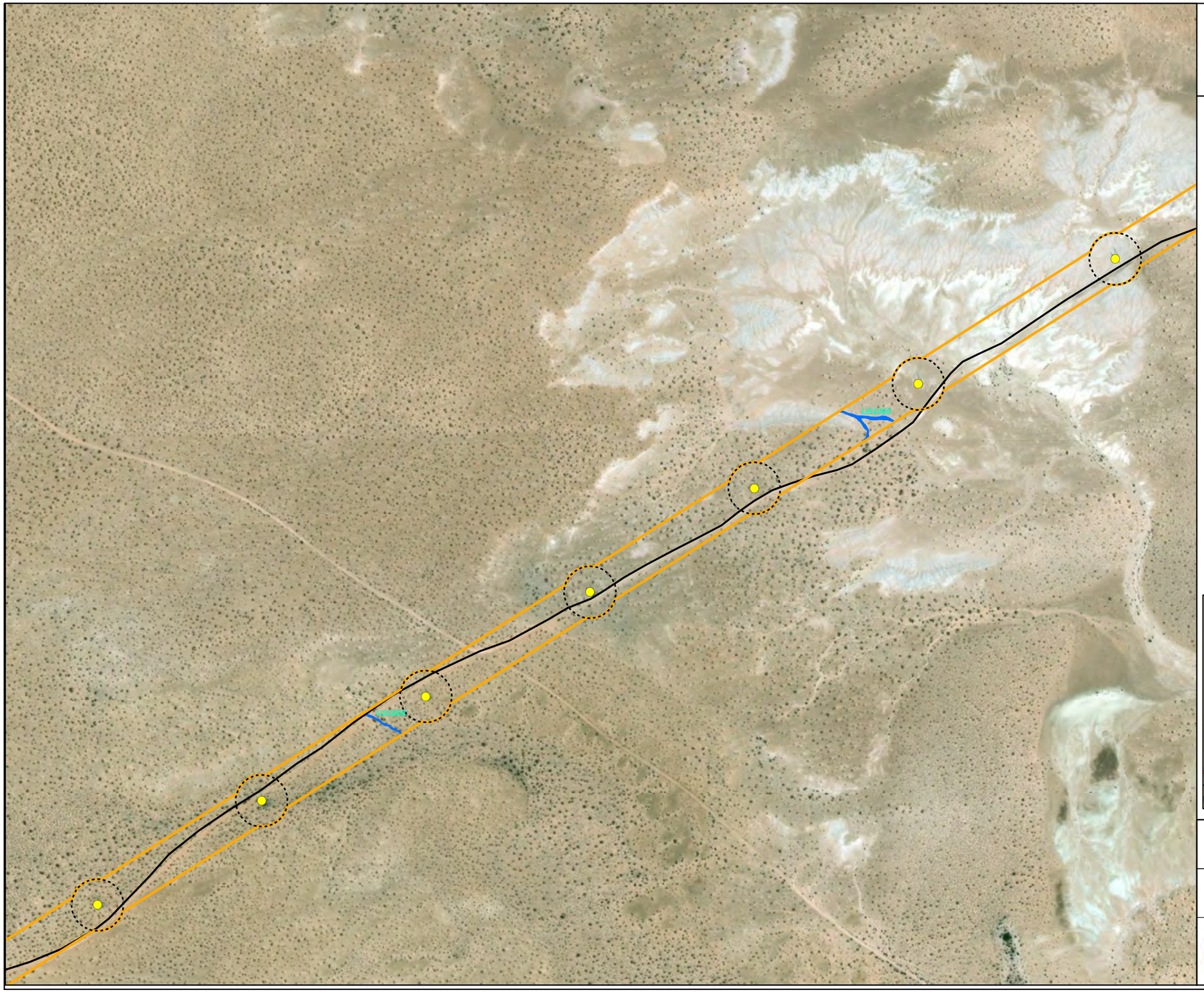
Coordinate System: NAD 1983 UTM Zone 11N



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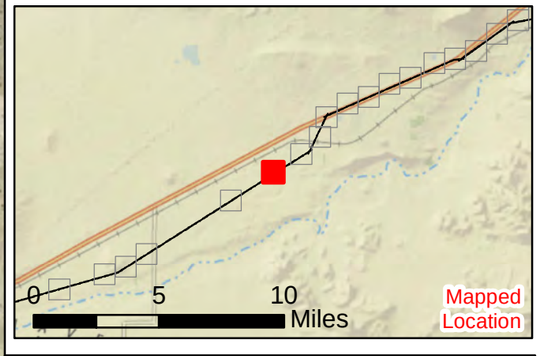

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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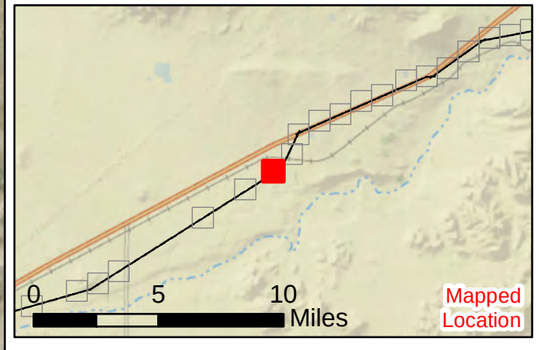

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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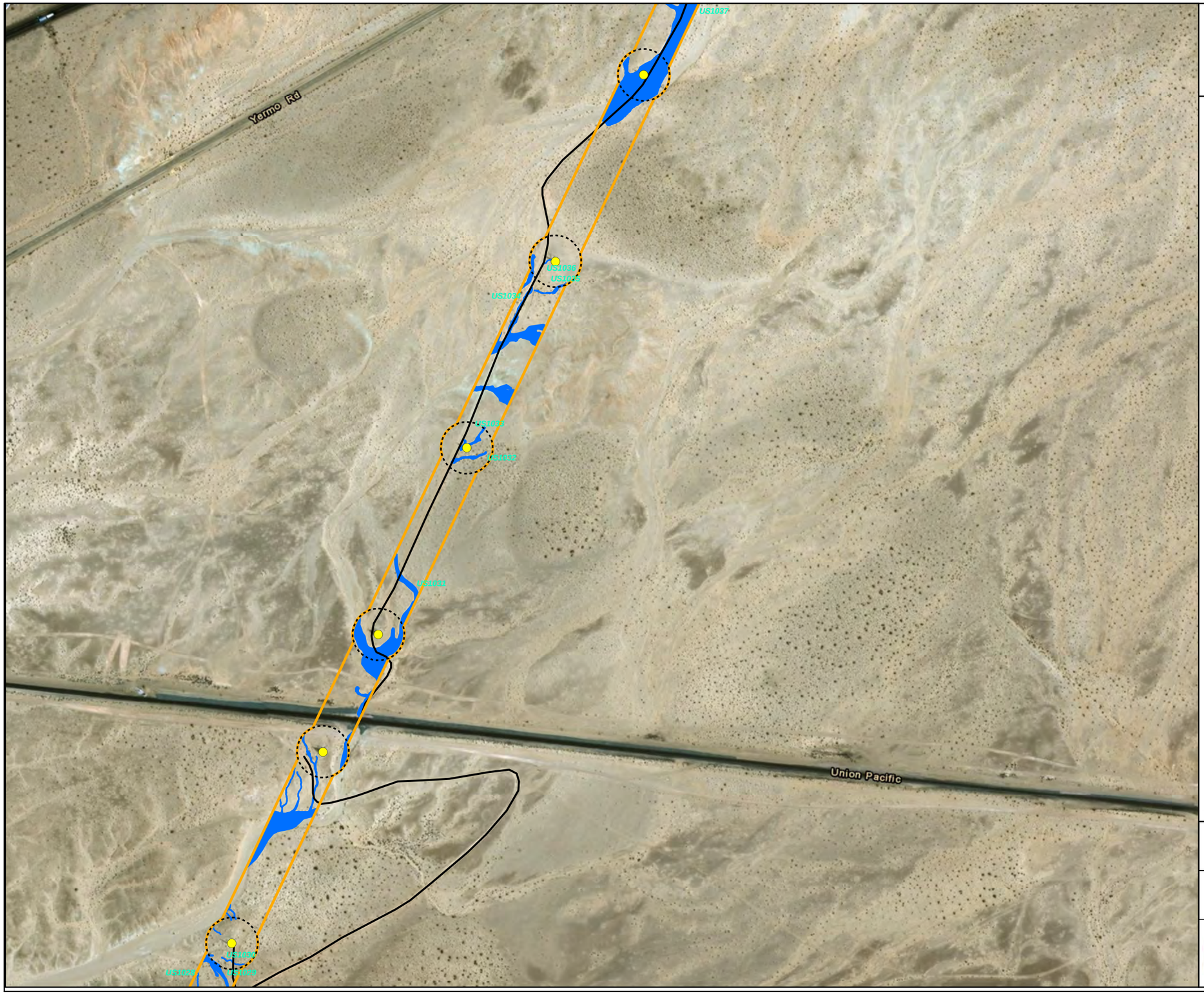

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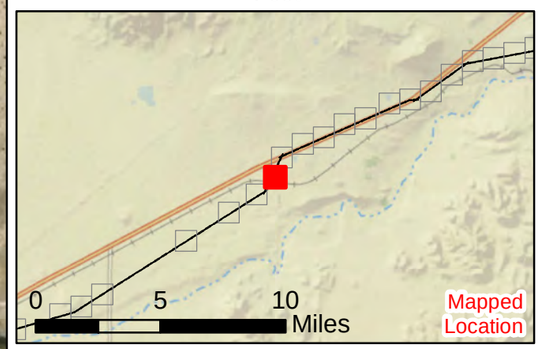

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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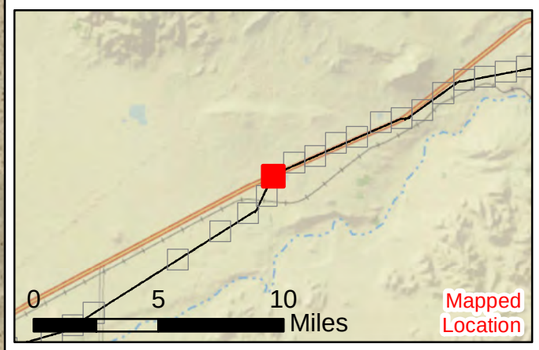

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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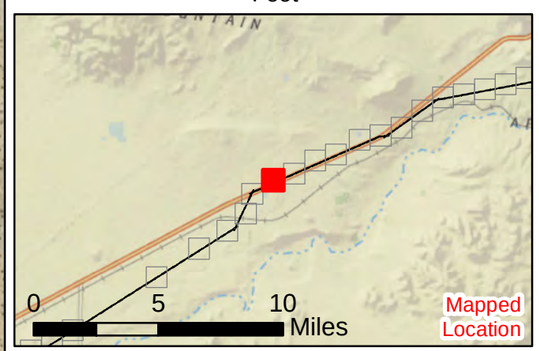

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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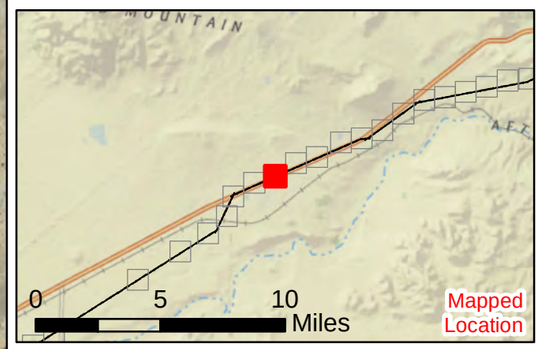

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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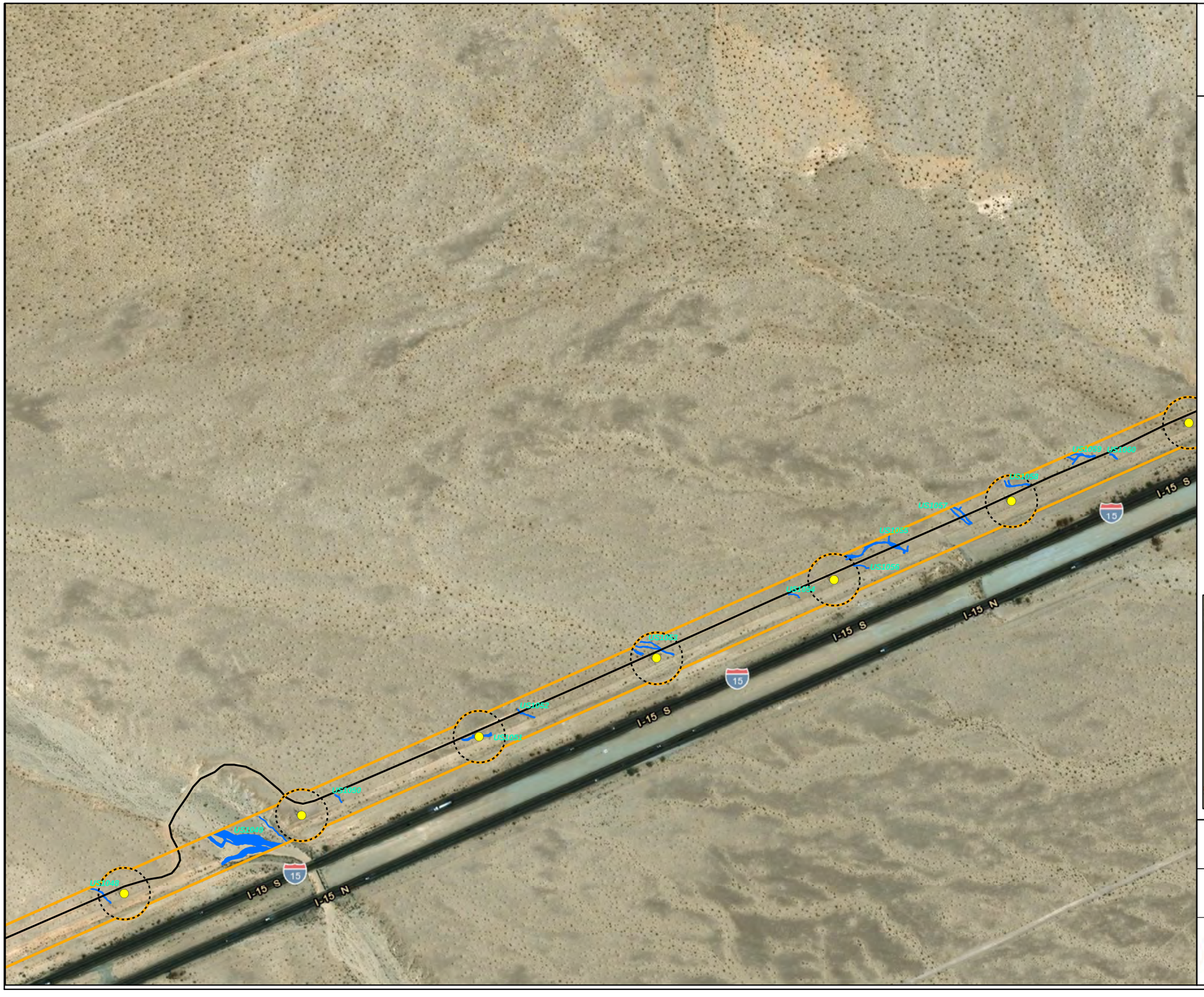

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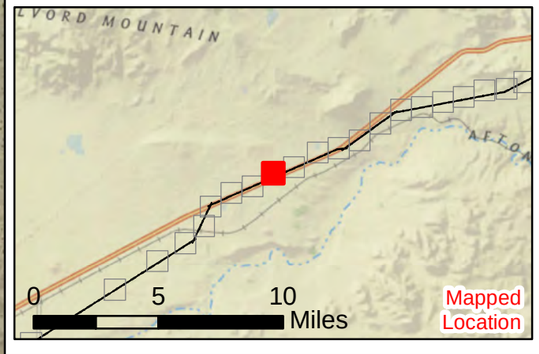

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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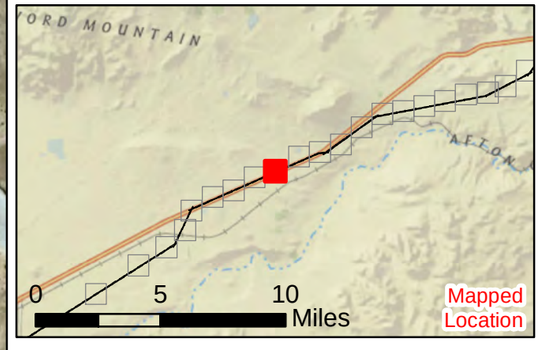

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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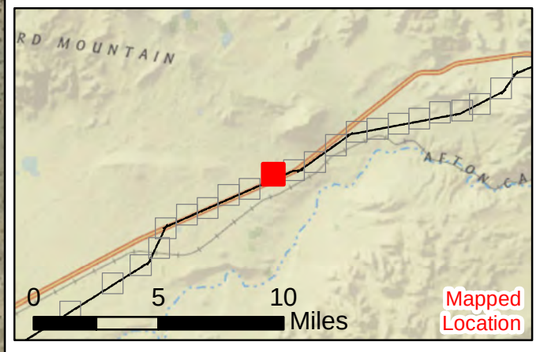

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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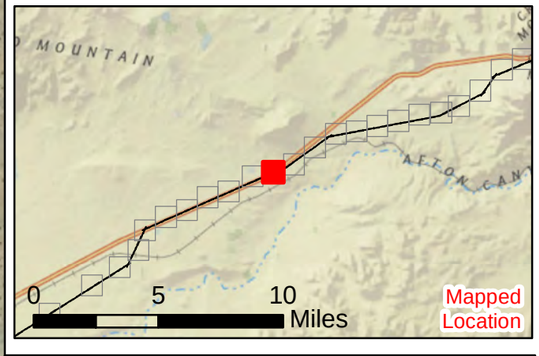

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Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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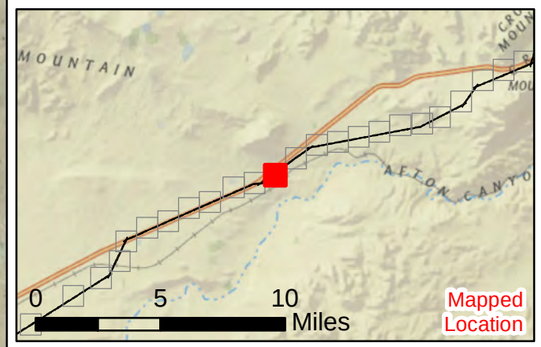

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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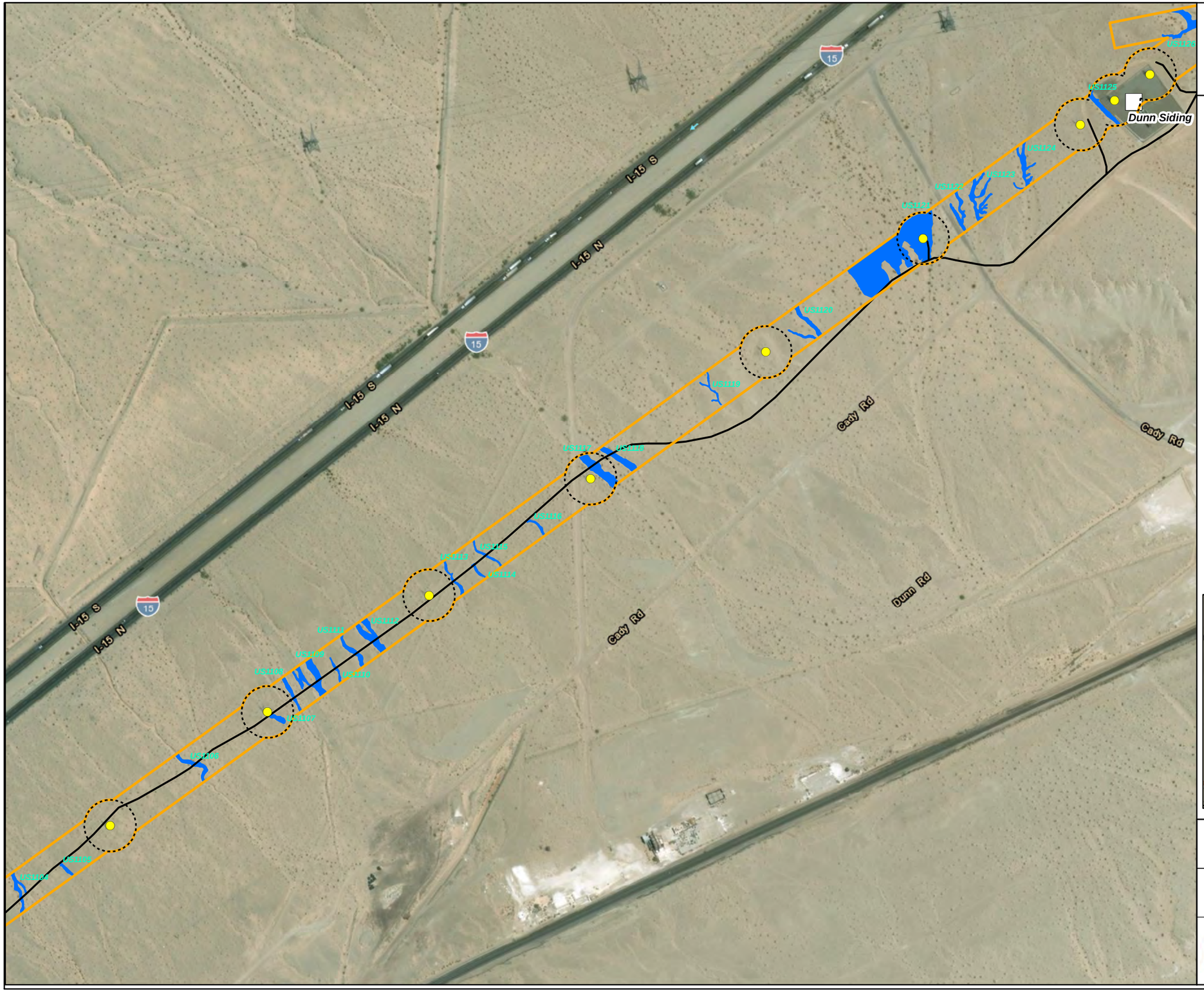

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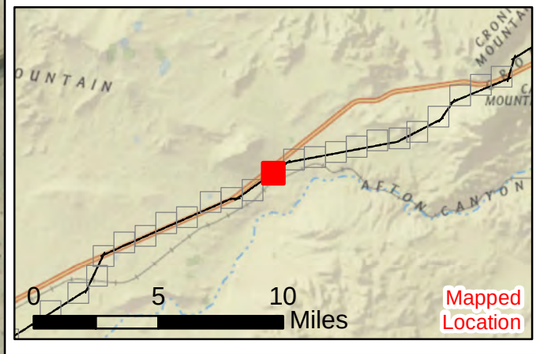

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Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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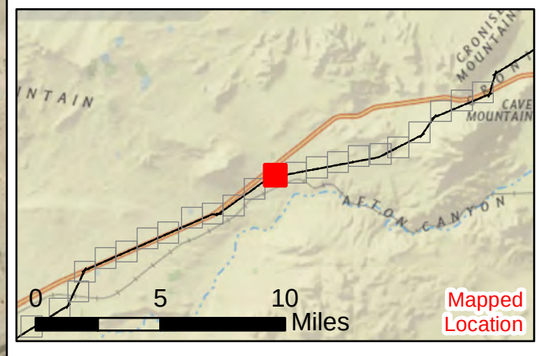

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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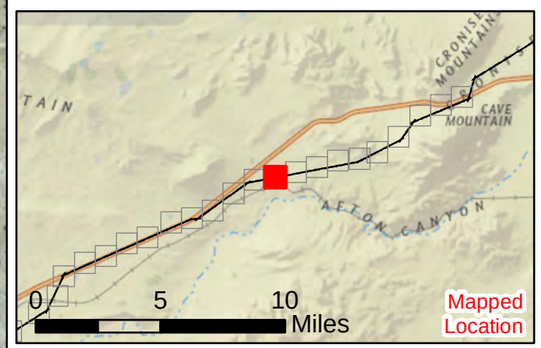

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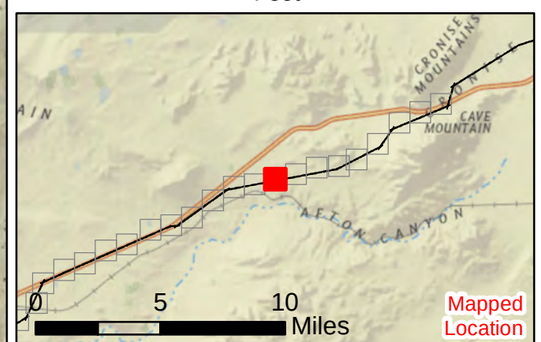

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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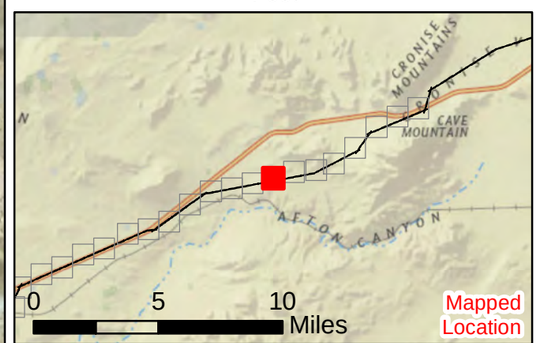

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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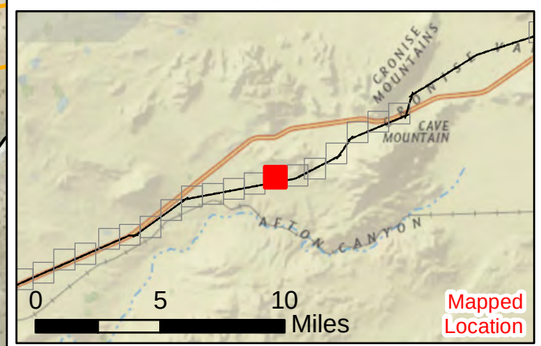
Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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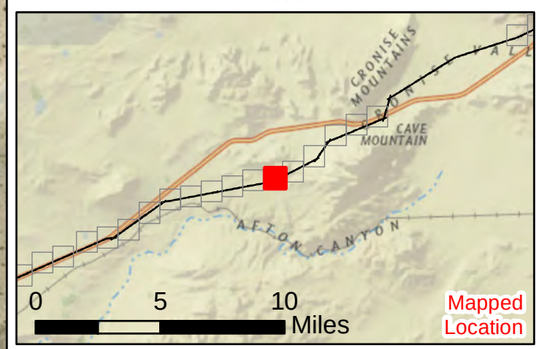
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
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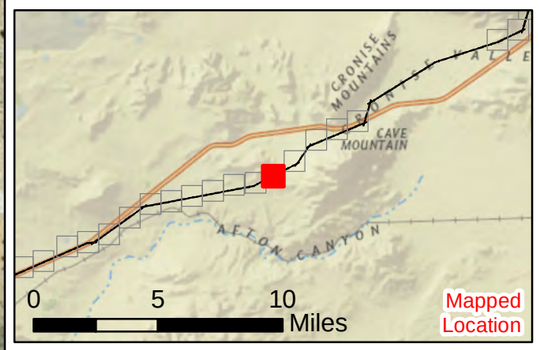
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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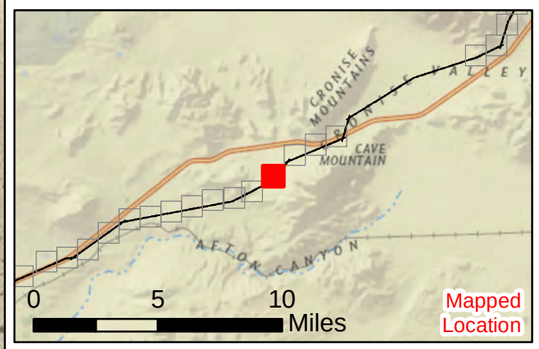
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

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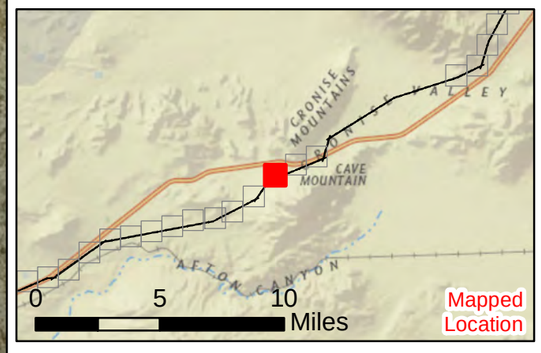
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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SOUTHERN CALIFORNIA EDISON
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0 500 1,000
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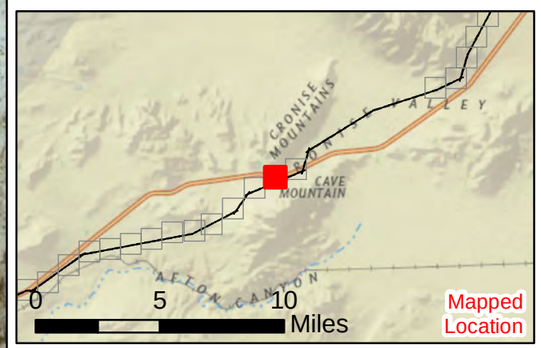

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
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SOUTHERN CALIFORNIA EDISON
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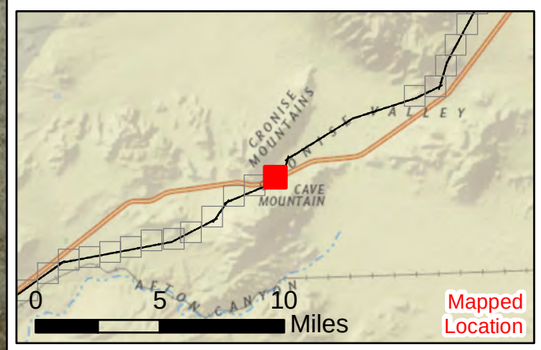
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
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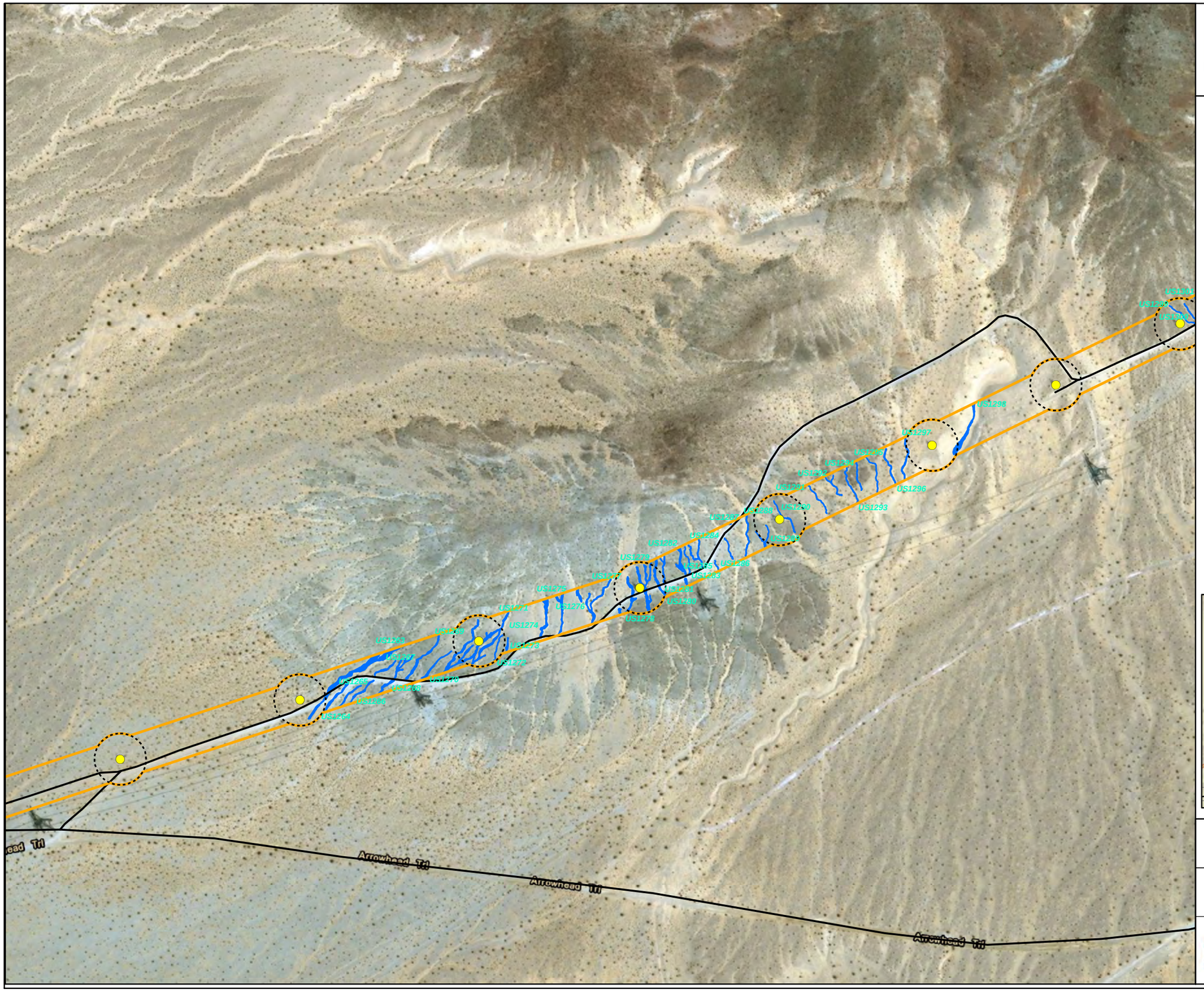

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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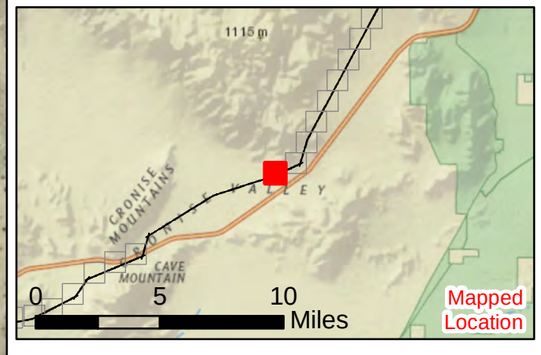
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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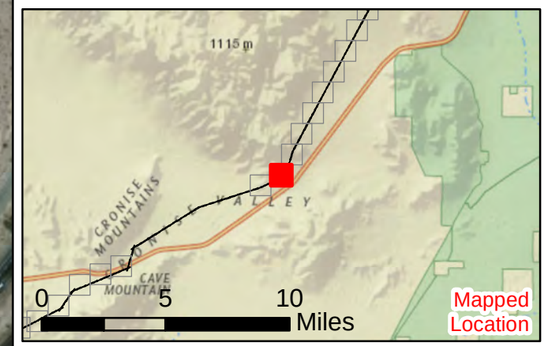
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corpargis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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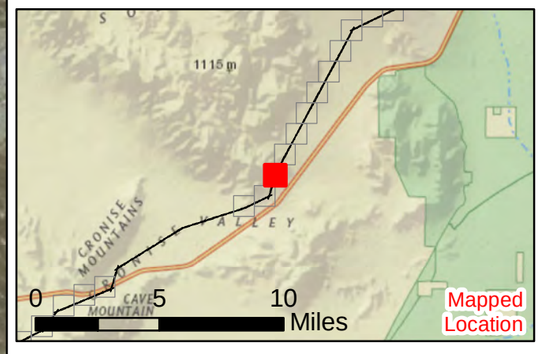

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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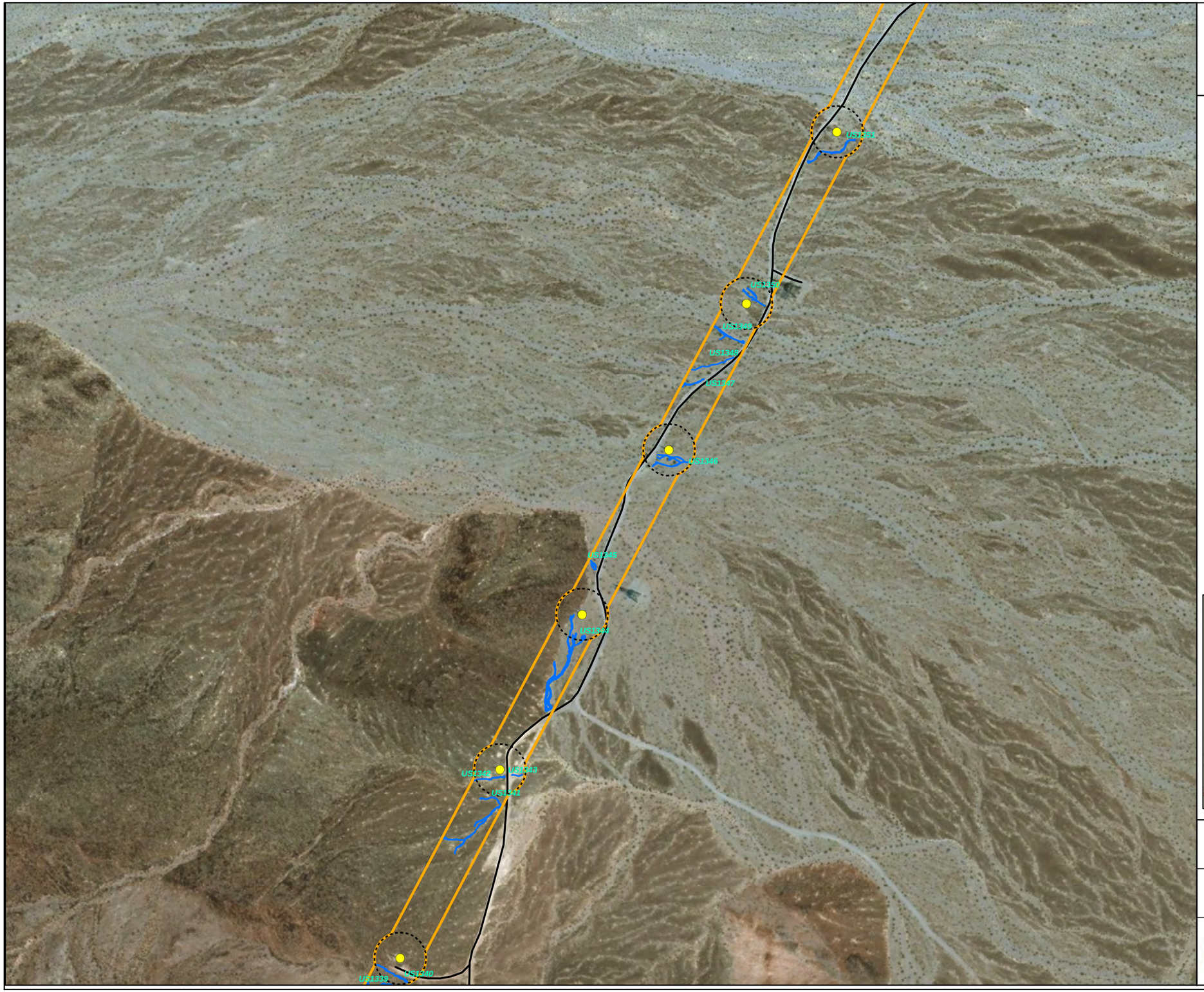

SOUTHERN CALIFORNIA EDISON®
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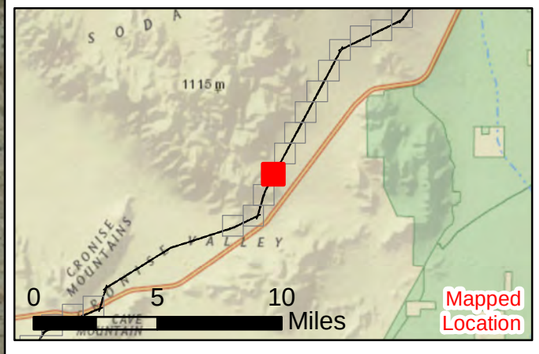
Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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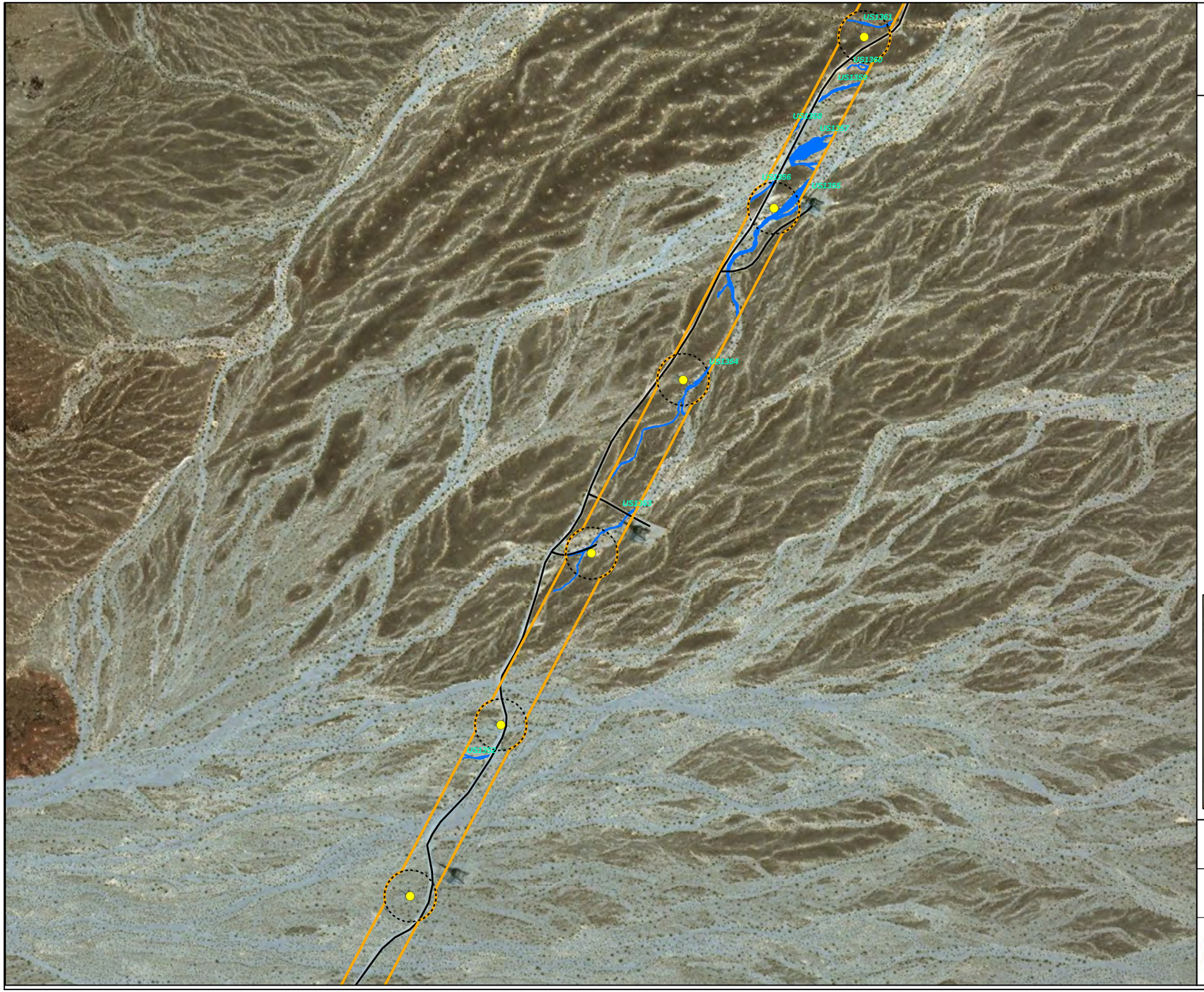

SOUTHERN CALIFORNIA EDISON
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Legend

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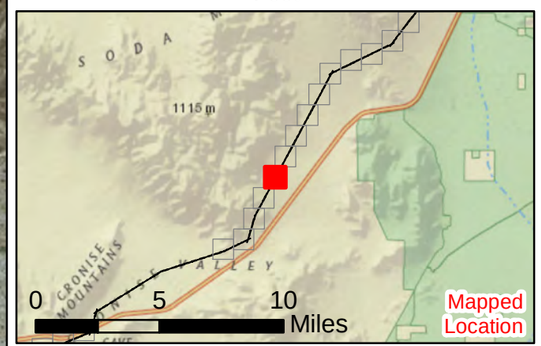
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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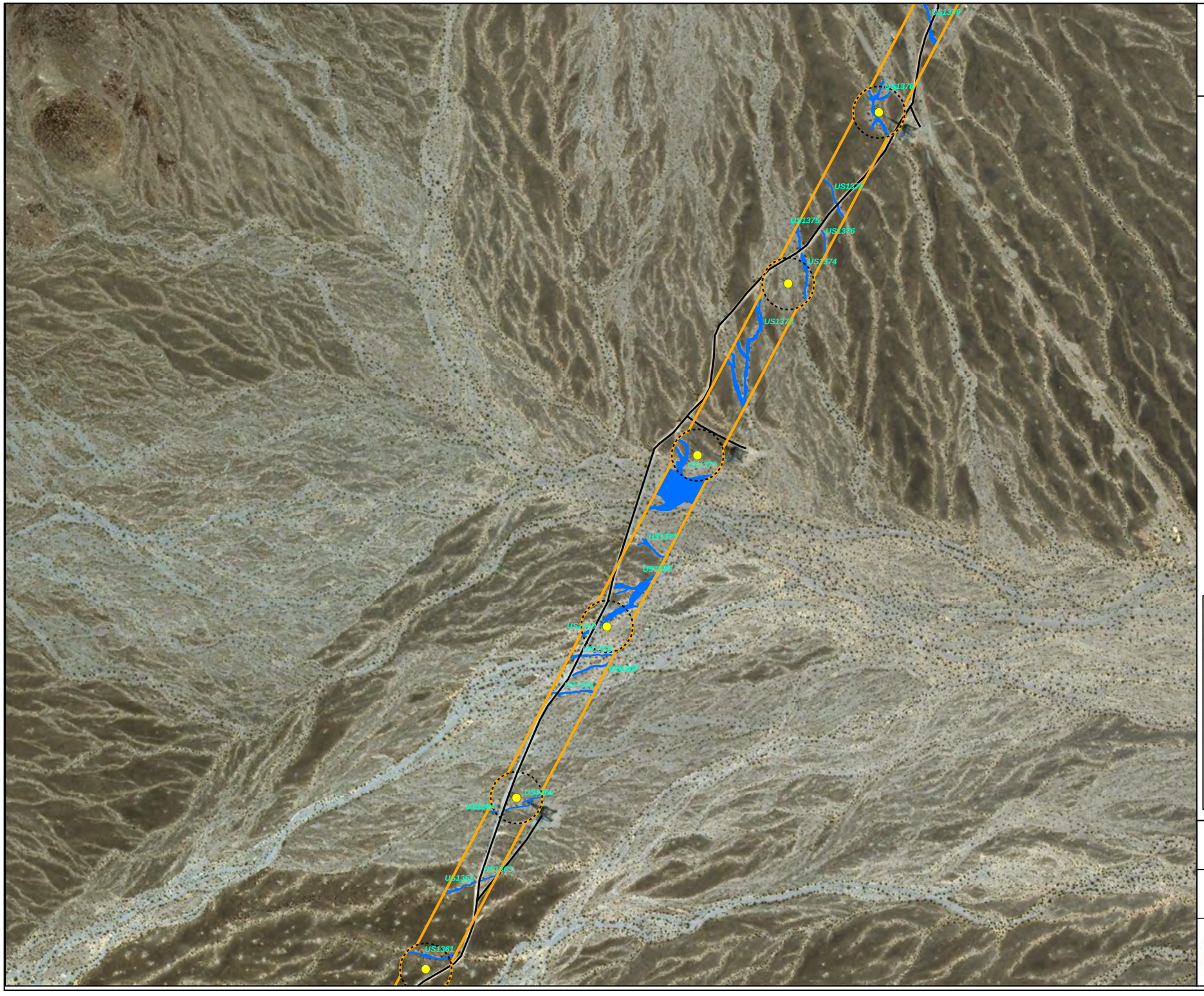

SOUTHERN CALIFORNIA EDISON
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Legend

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0 500 1,000
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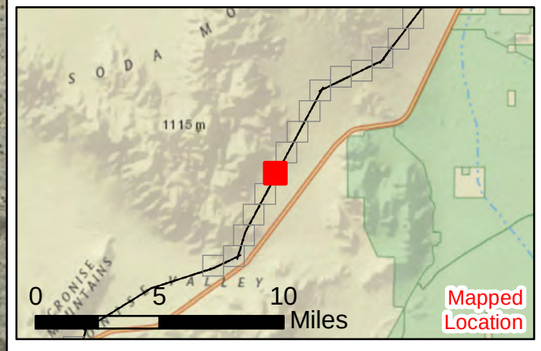

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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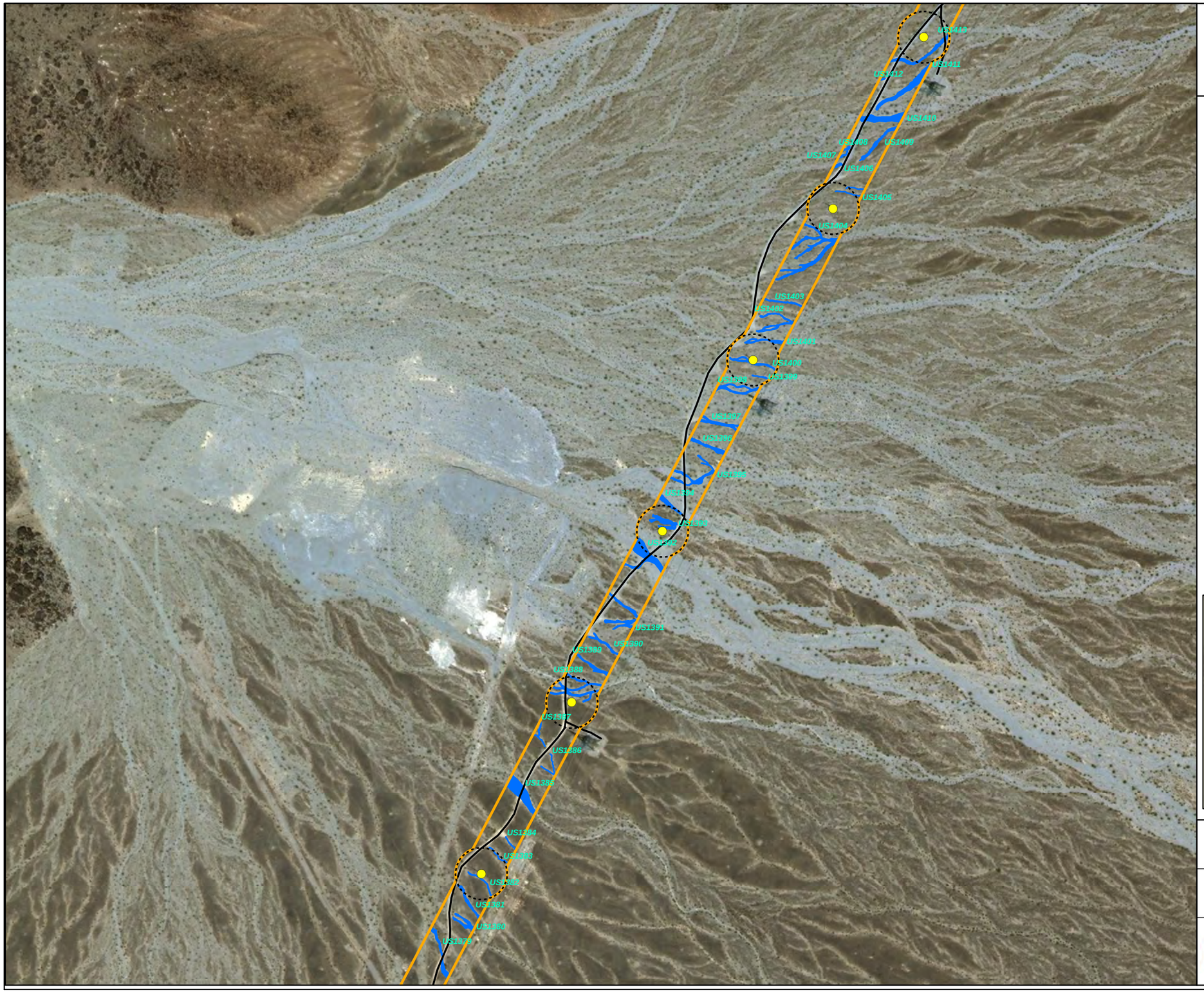

SOUTHERN CALIFORNIA EDISON®

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Legend

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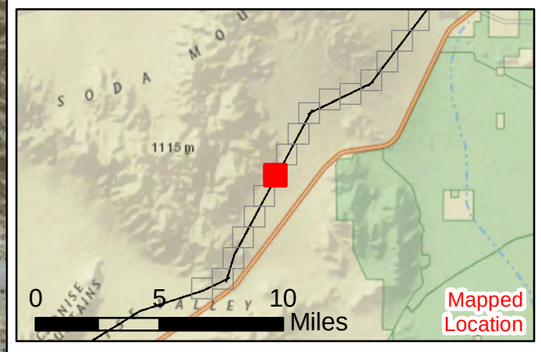
0 500 1,000

Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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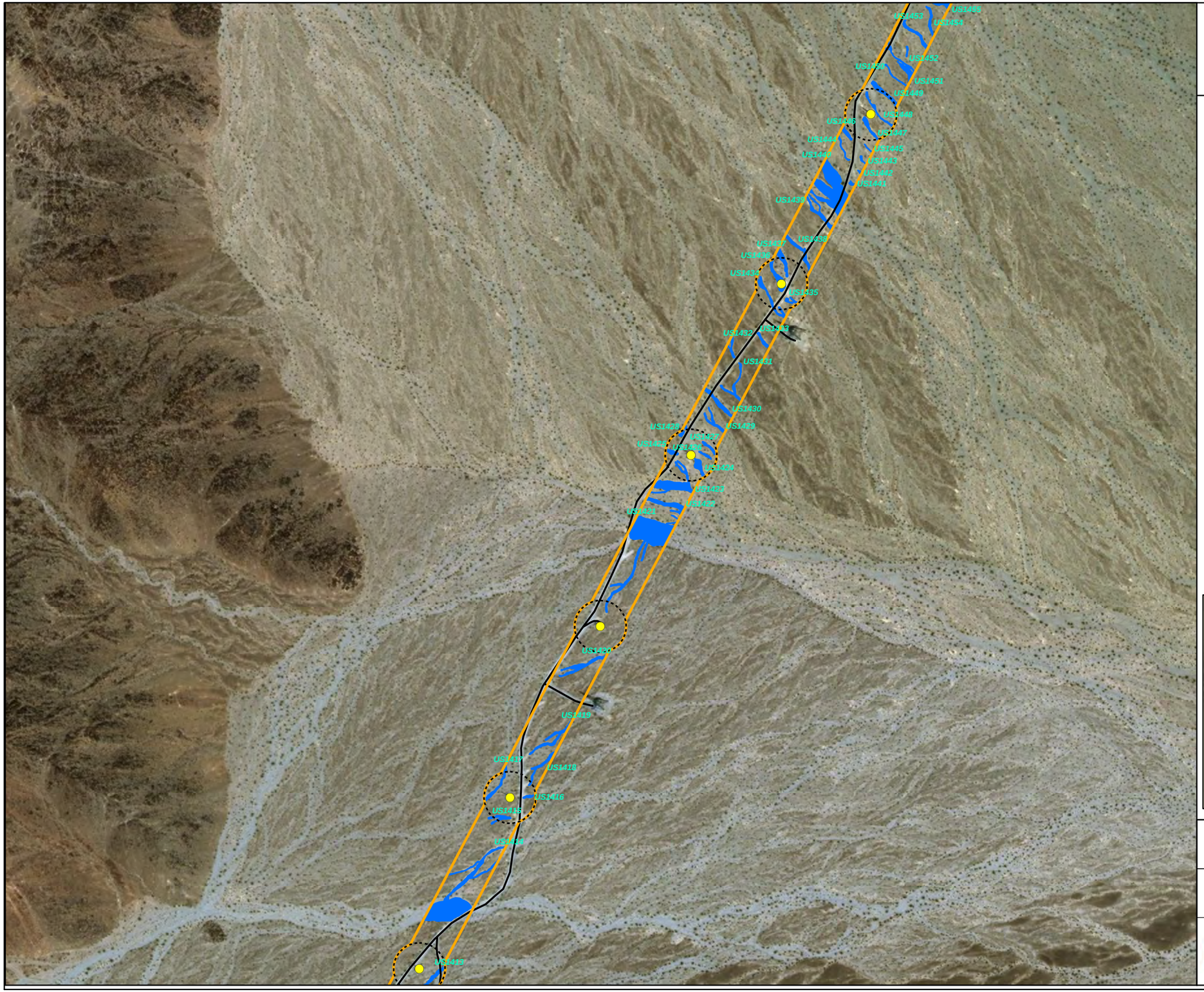

SOUTHERN CALIFORNIA EDISON
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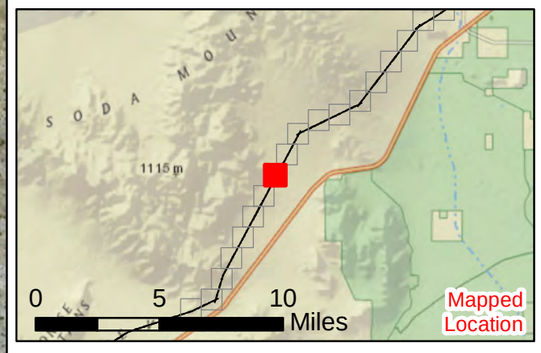

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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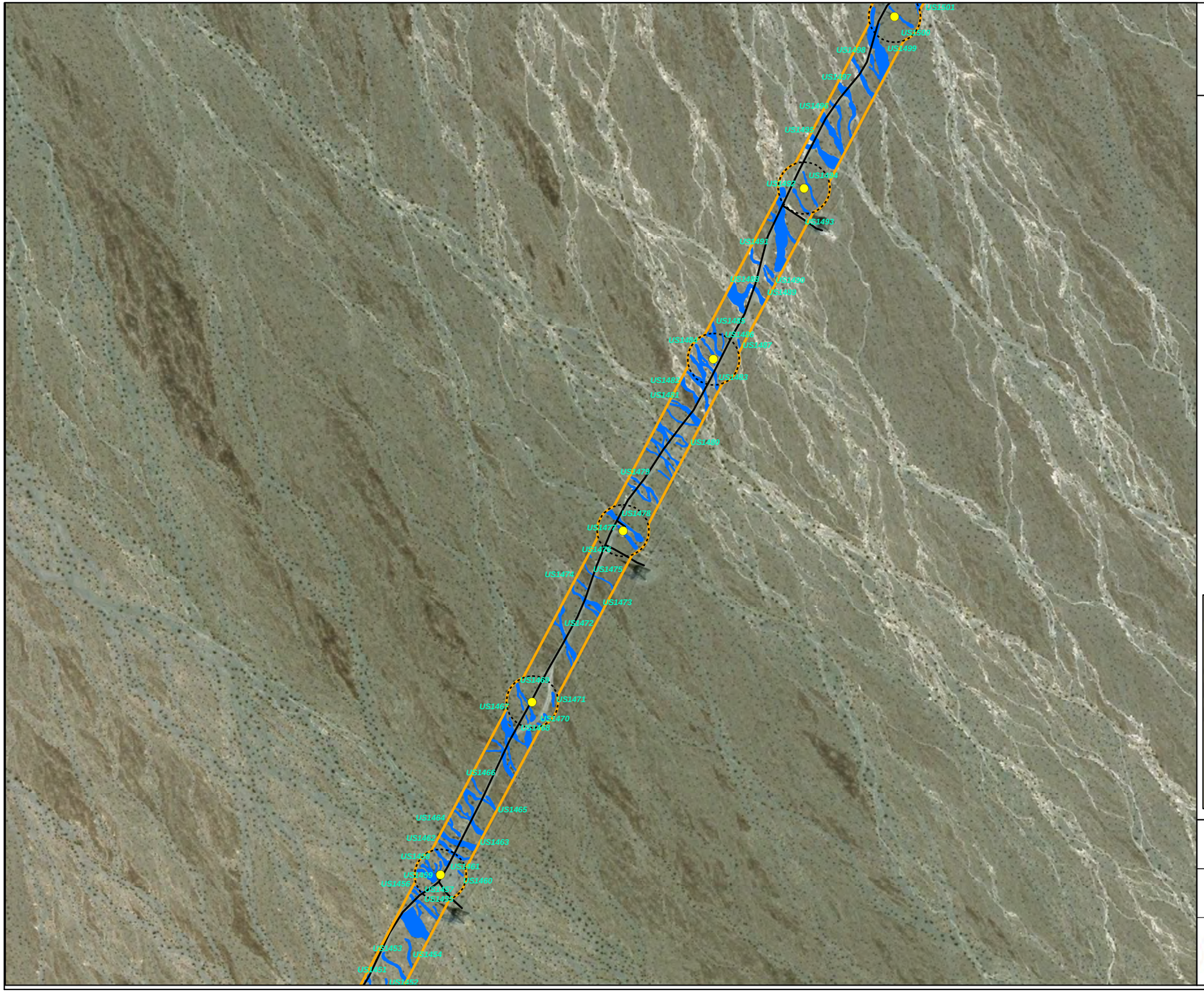
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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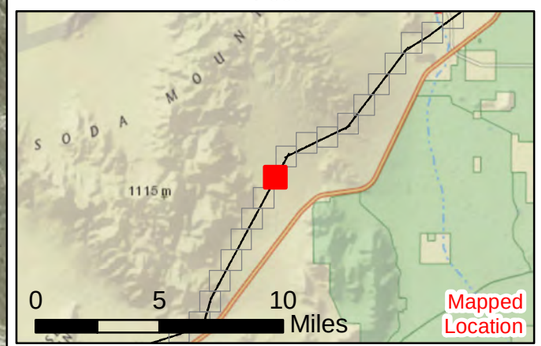

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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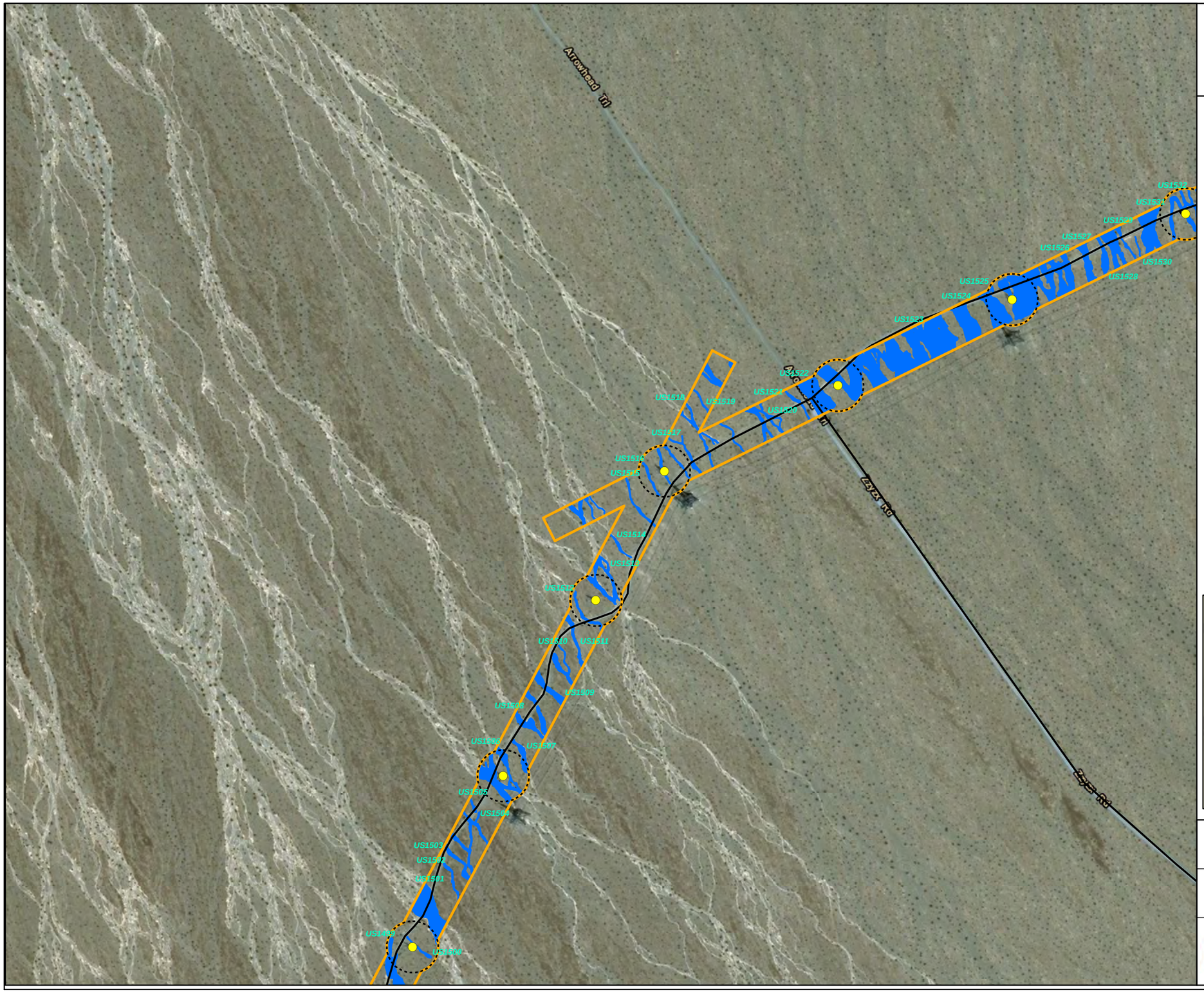

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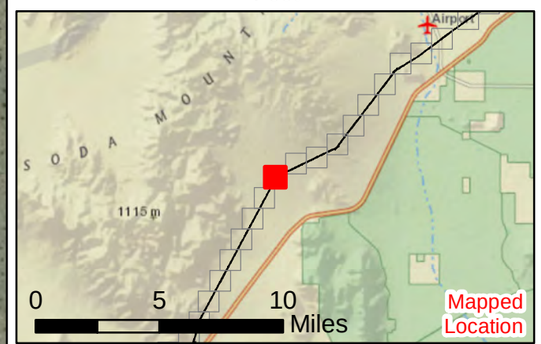

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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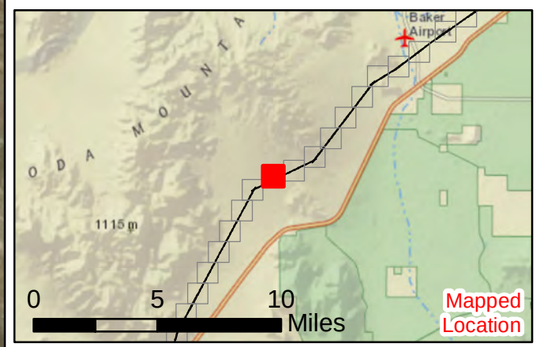

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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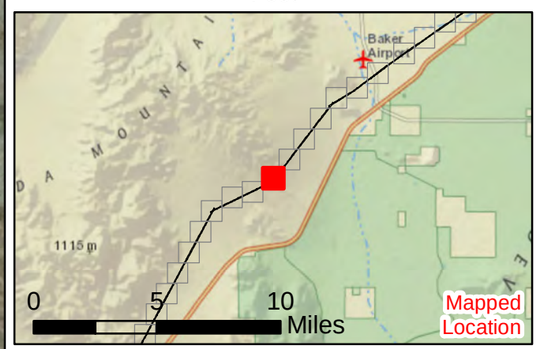

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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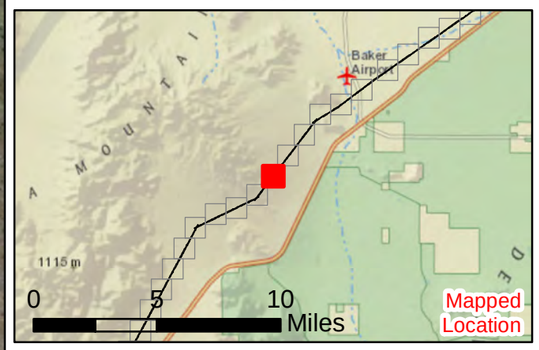
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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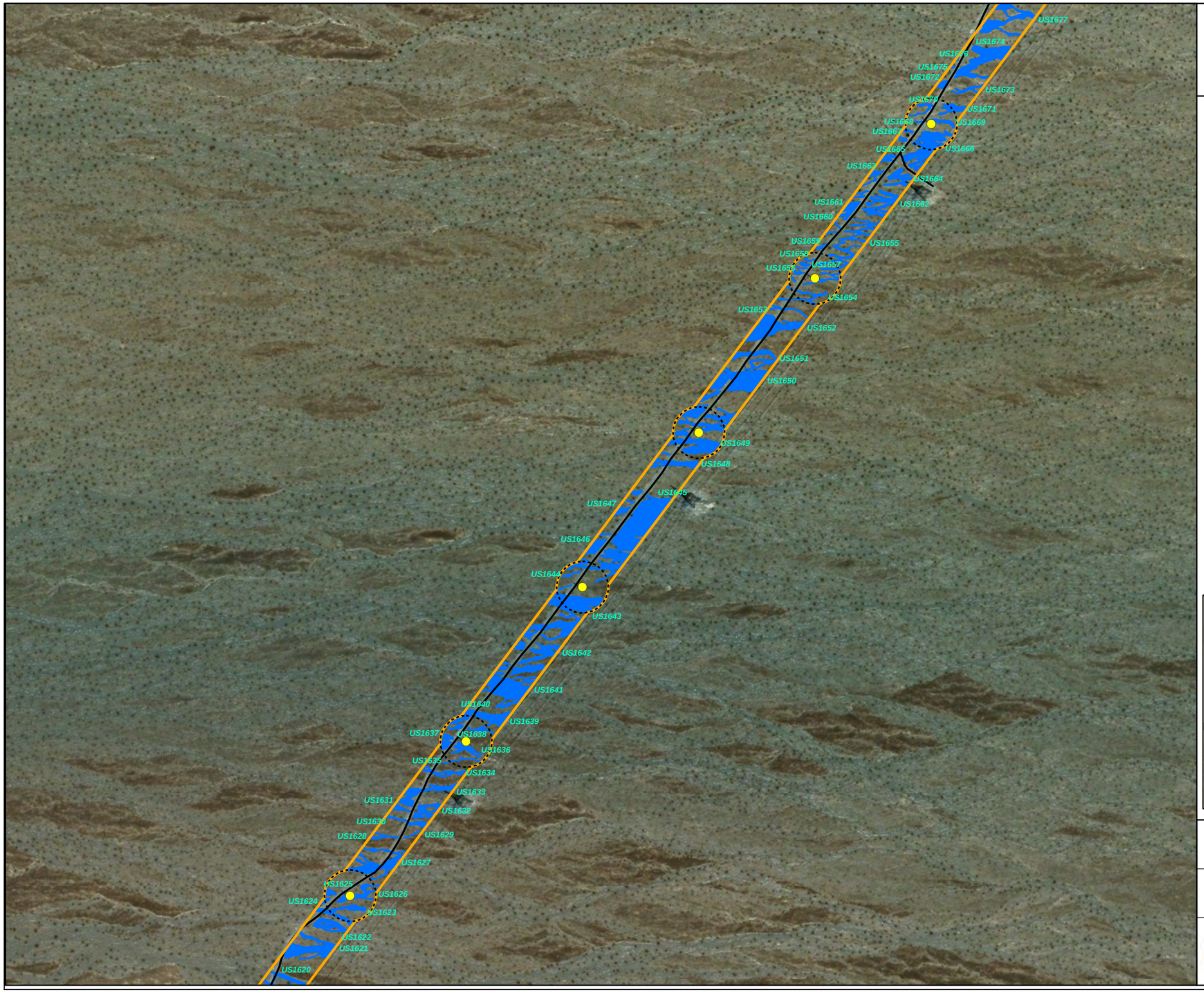
\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\CK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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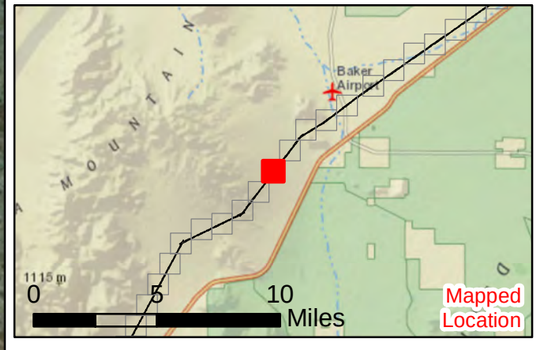
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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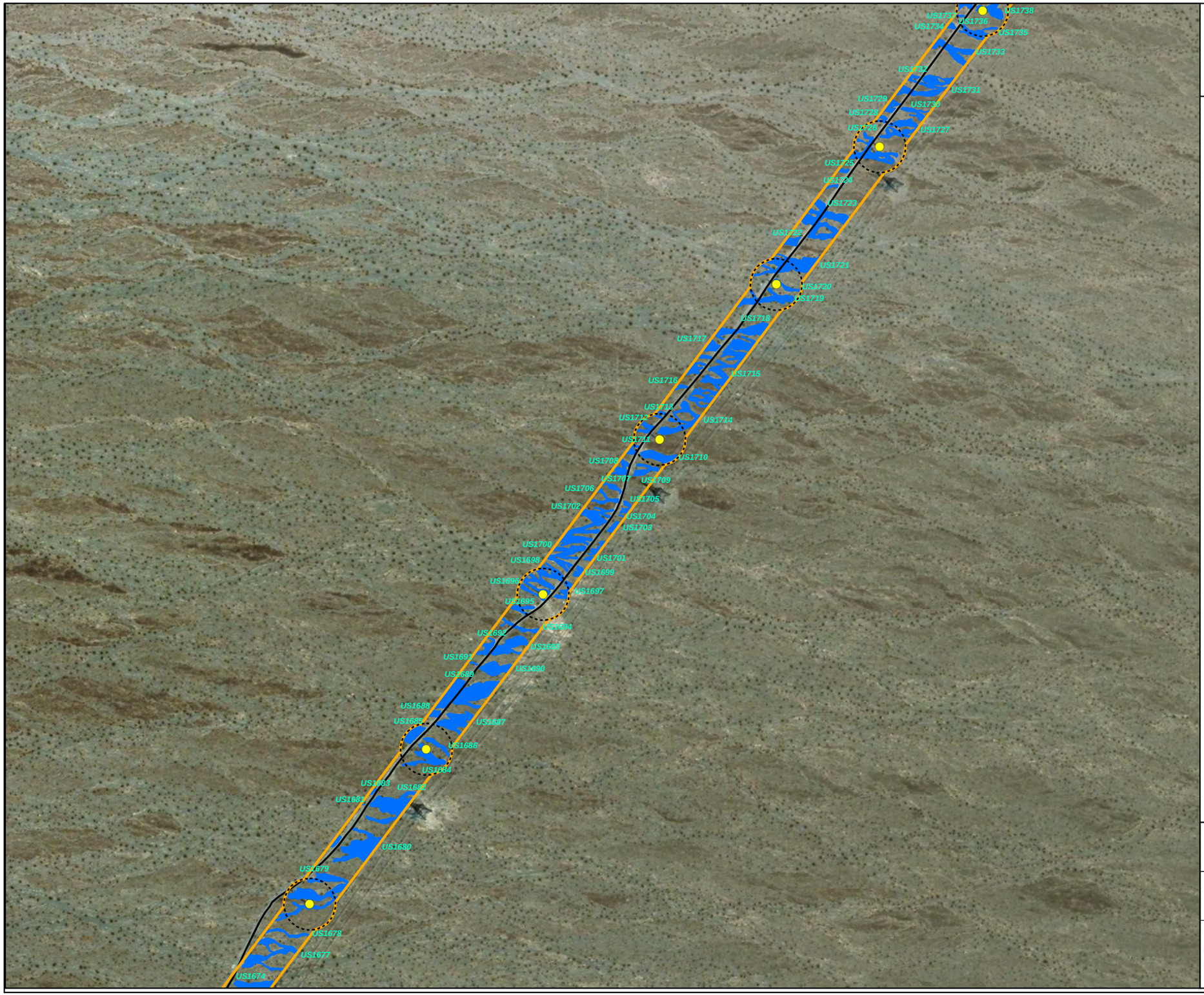
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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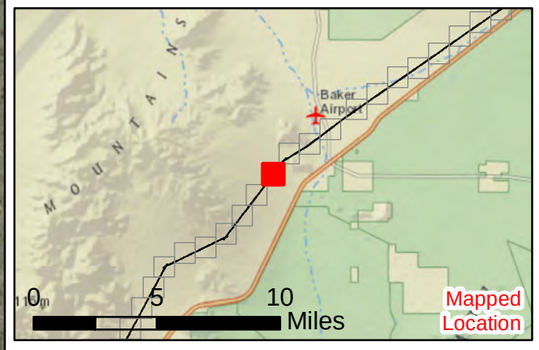
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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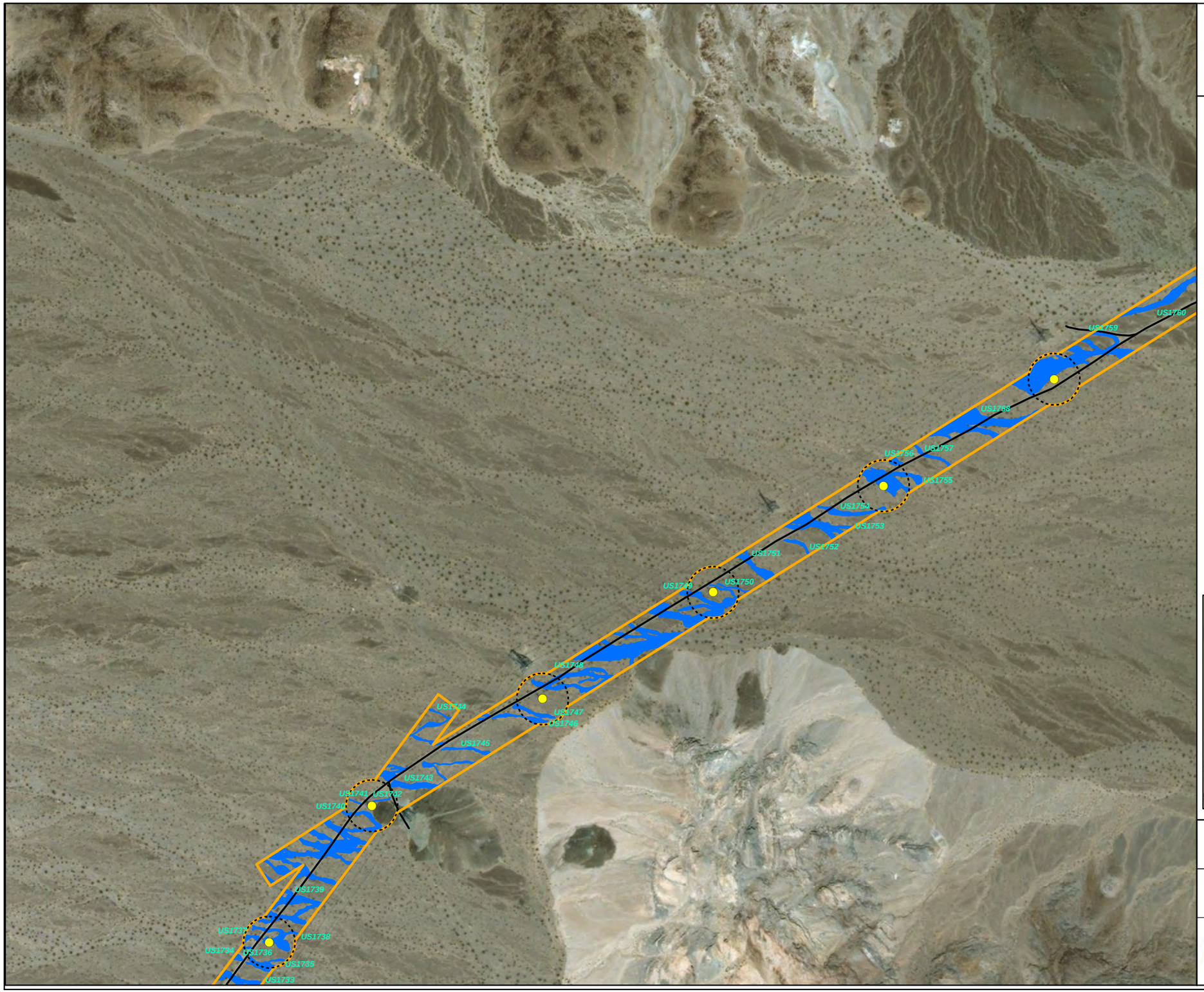
Coordinate System: NAD 1983 UTM Zone 11N



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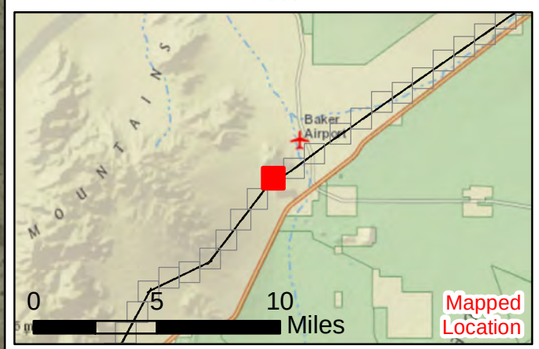

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
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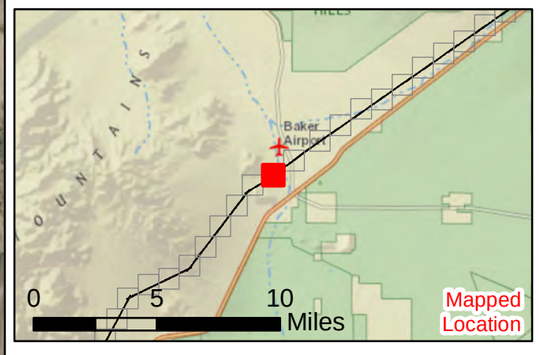

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corpargis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
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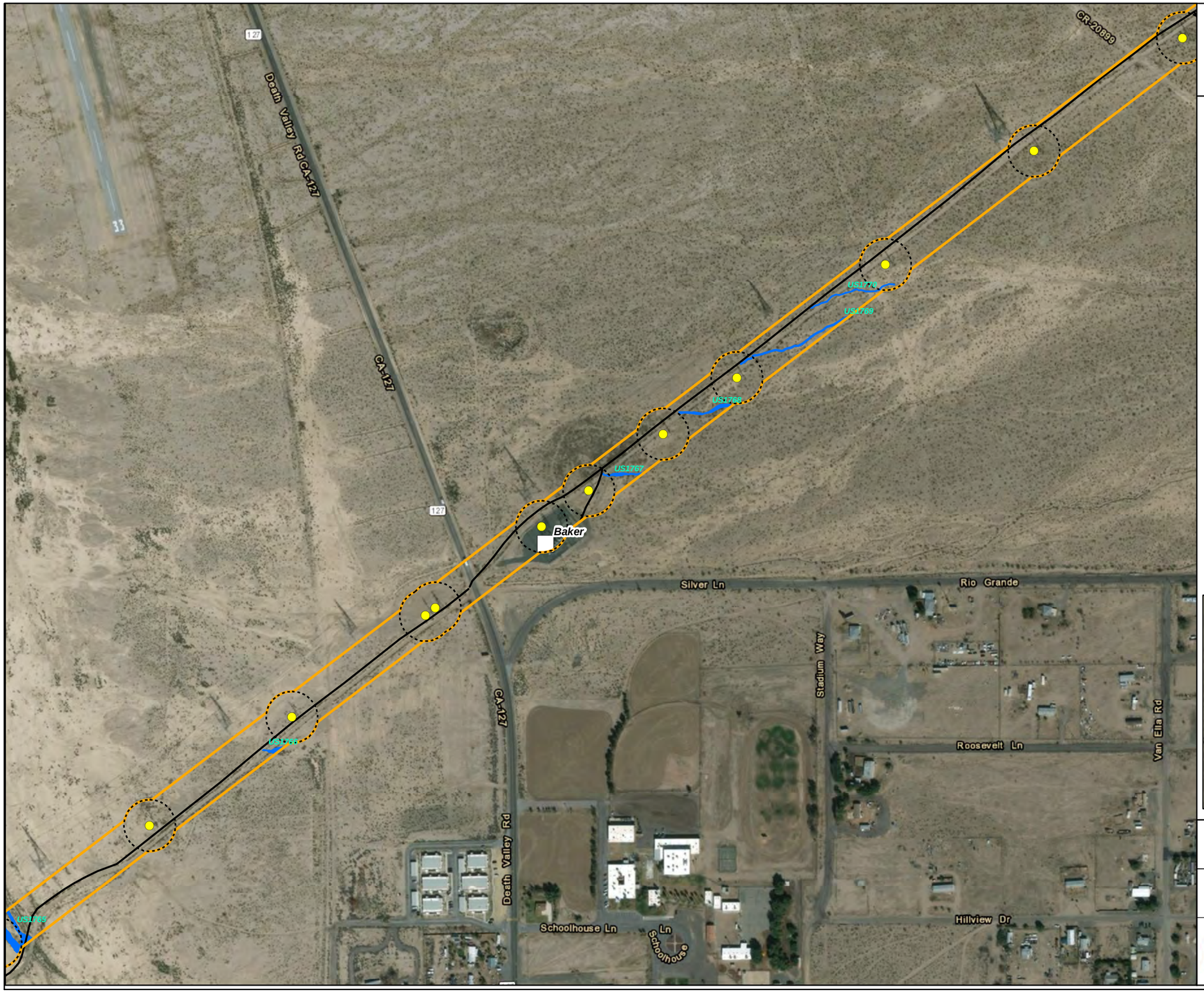

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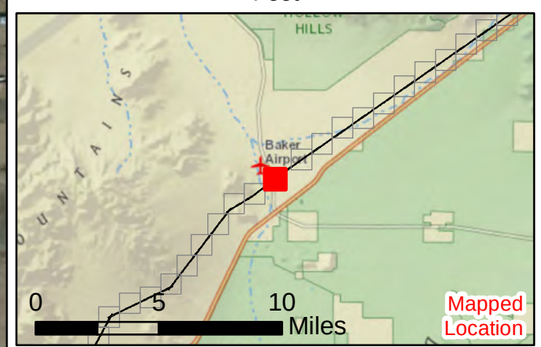

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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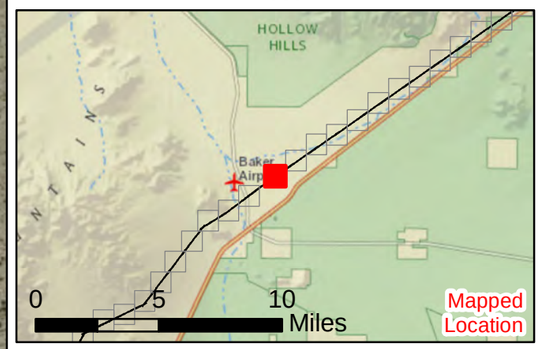

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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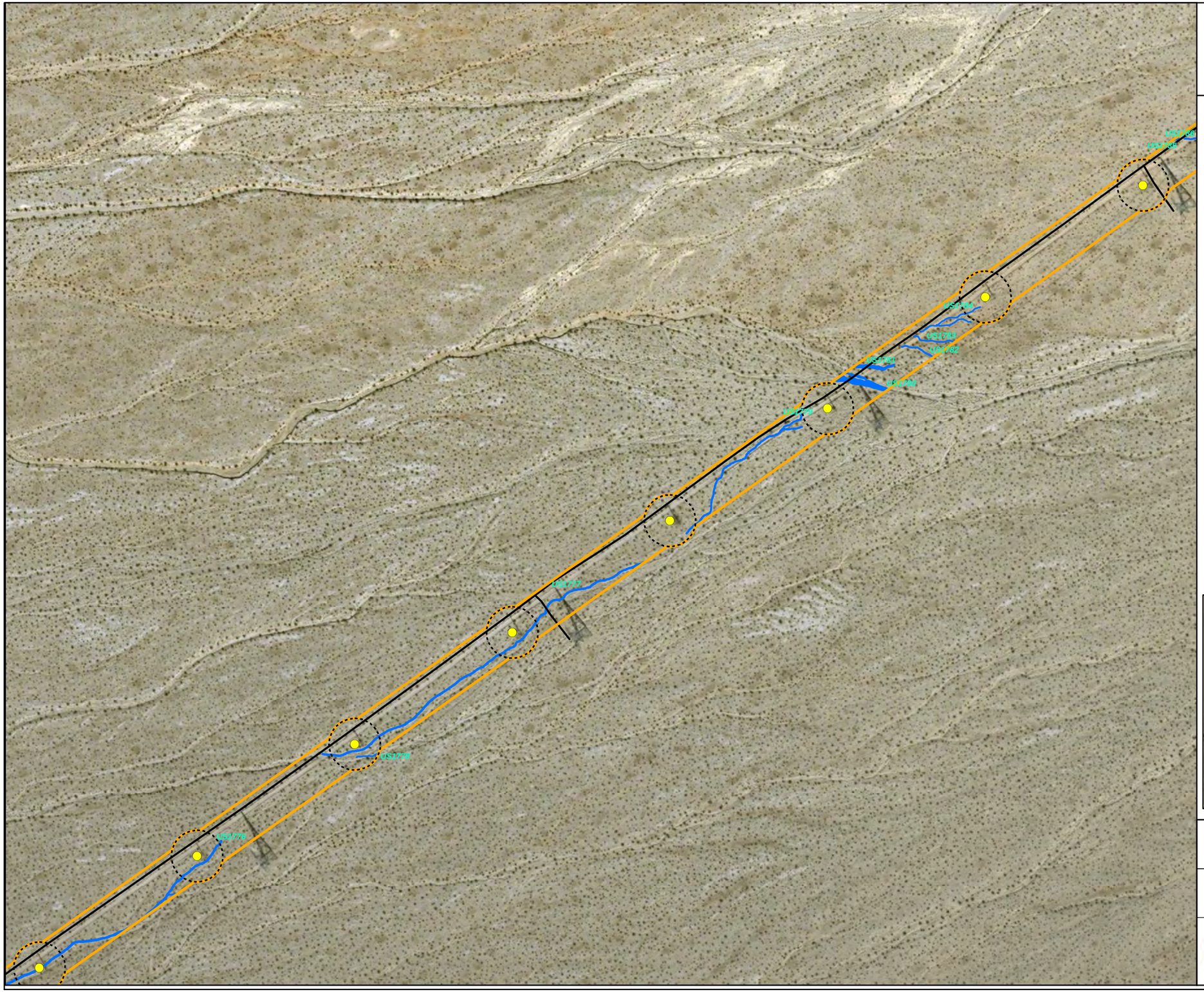

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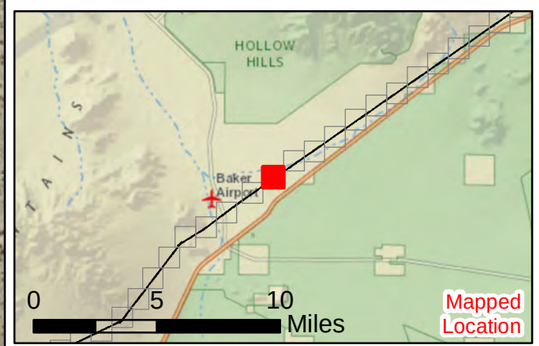

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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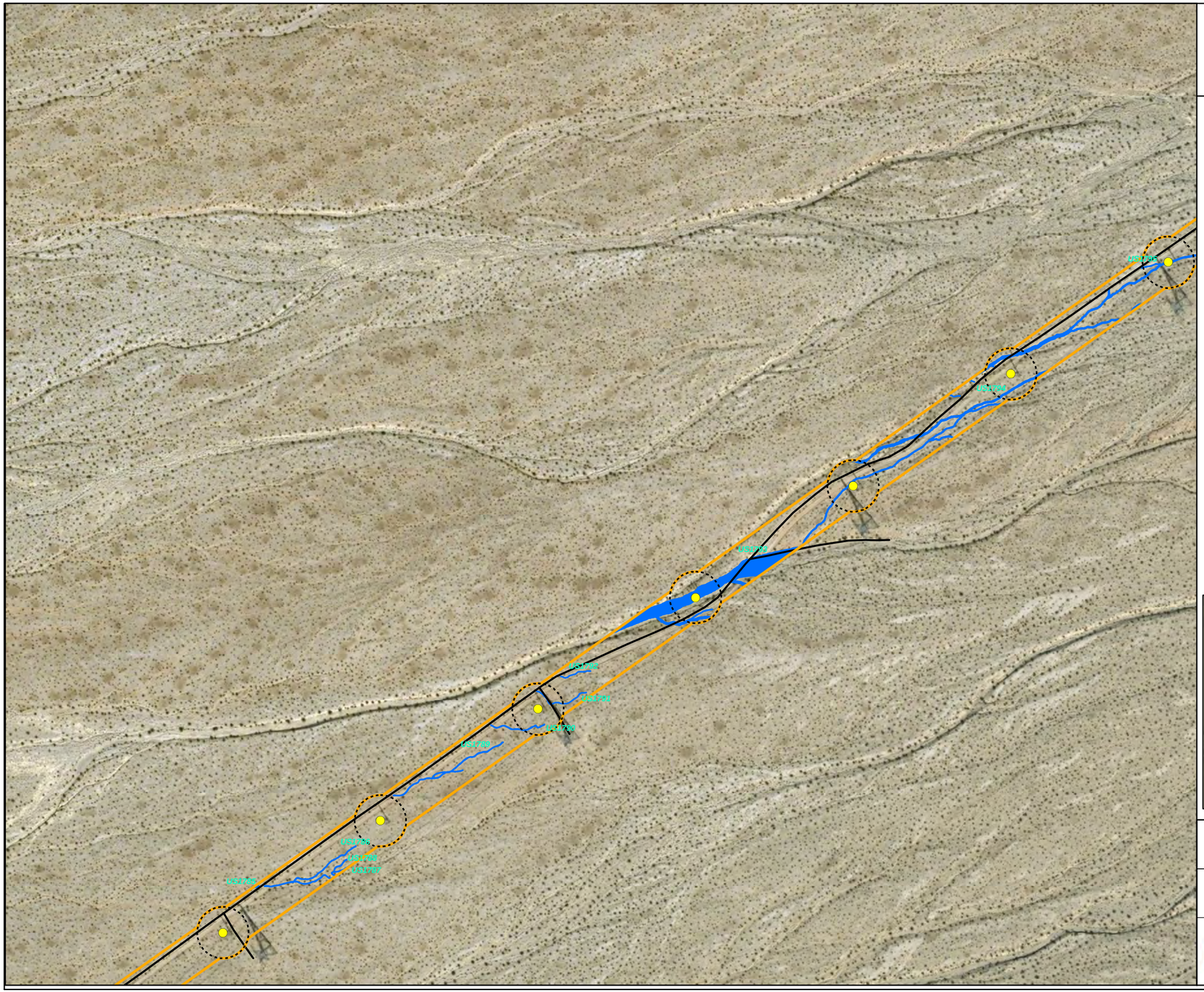

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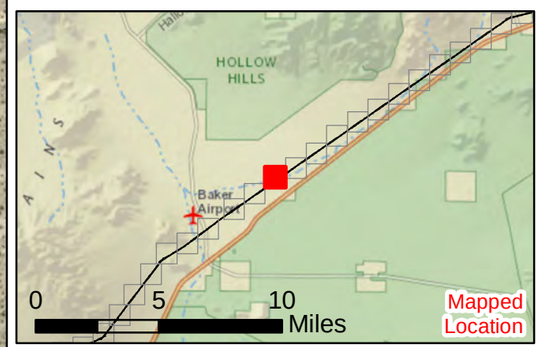

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corparcgis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
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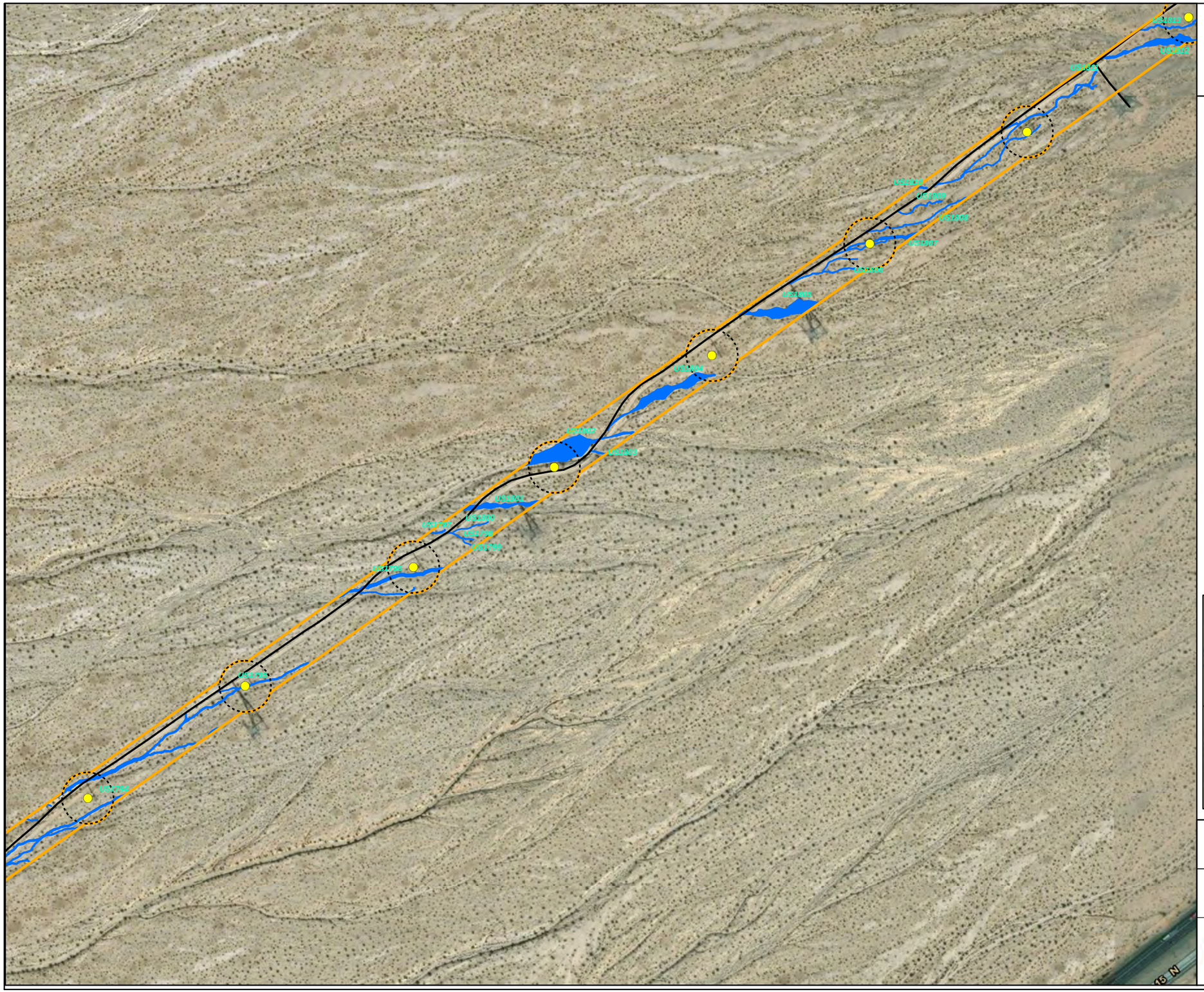

SOUTHERN CALIFORNIA EDISON®
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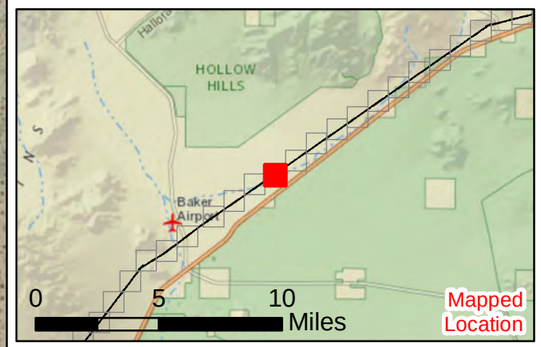

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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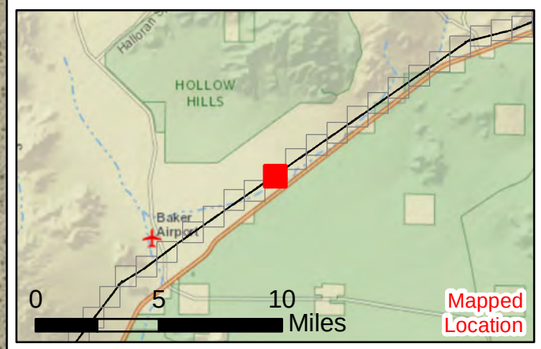

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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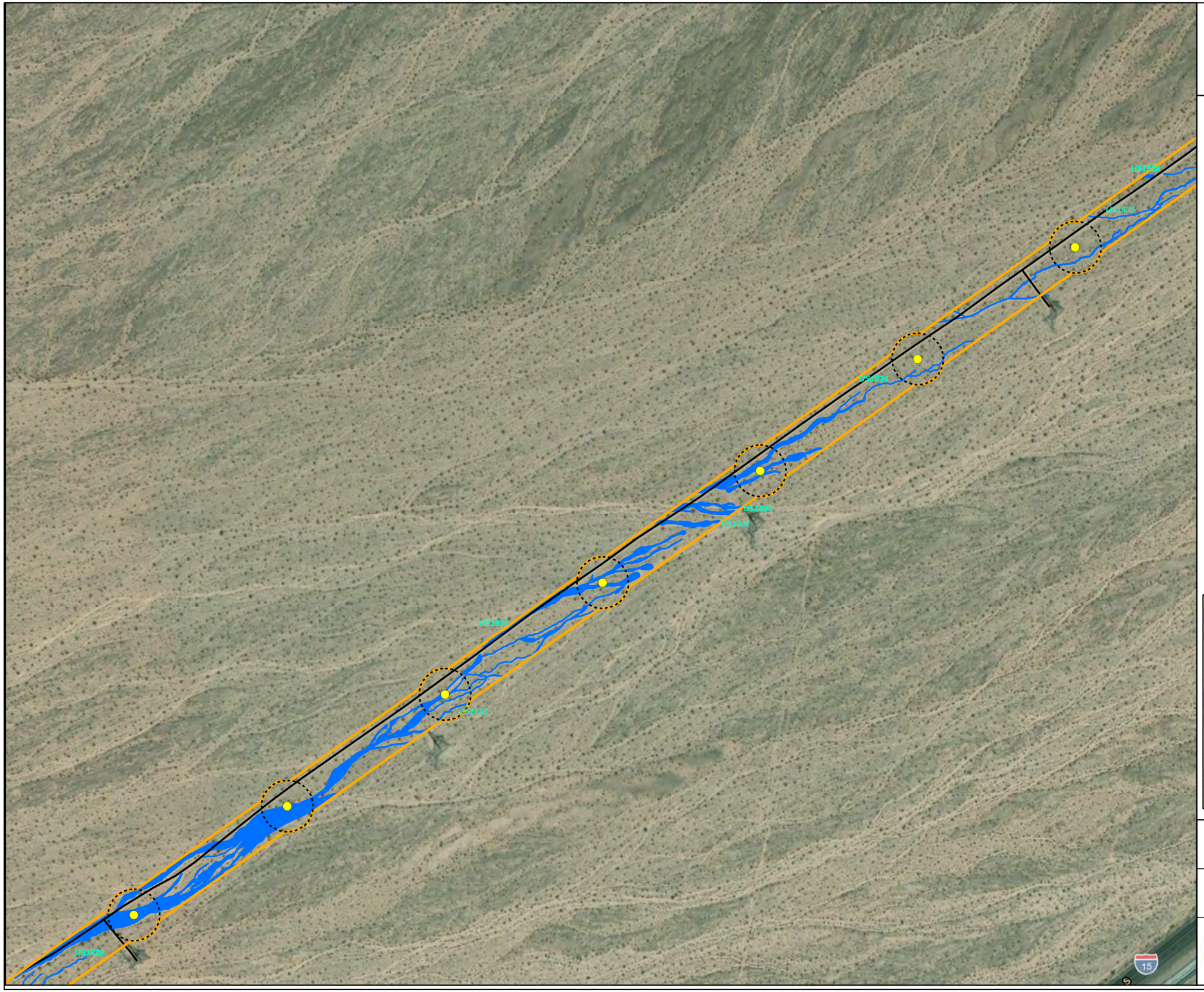

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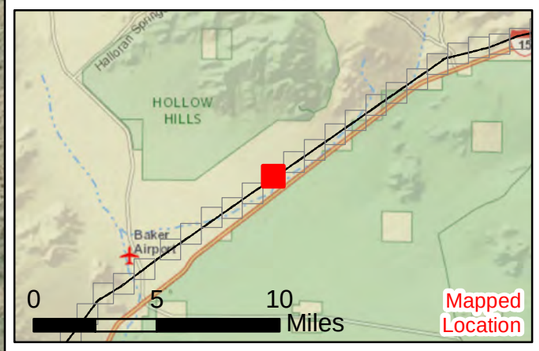

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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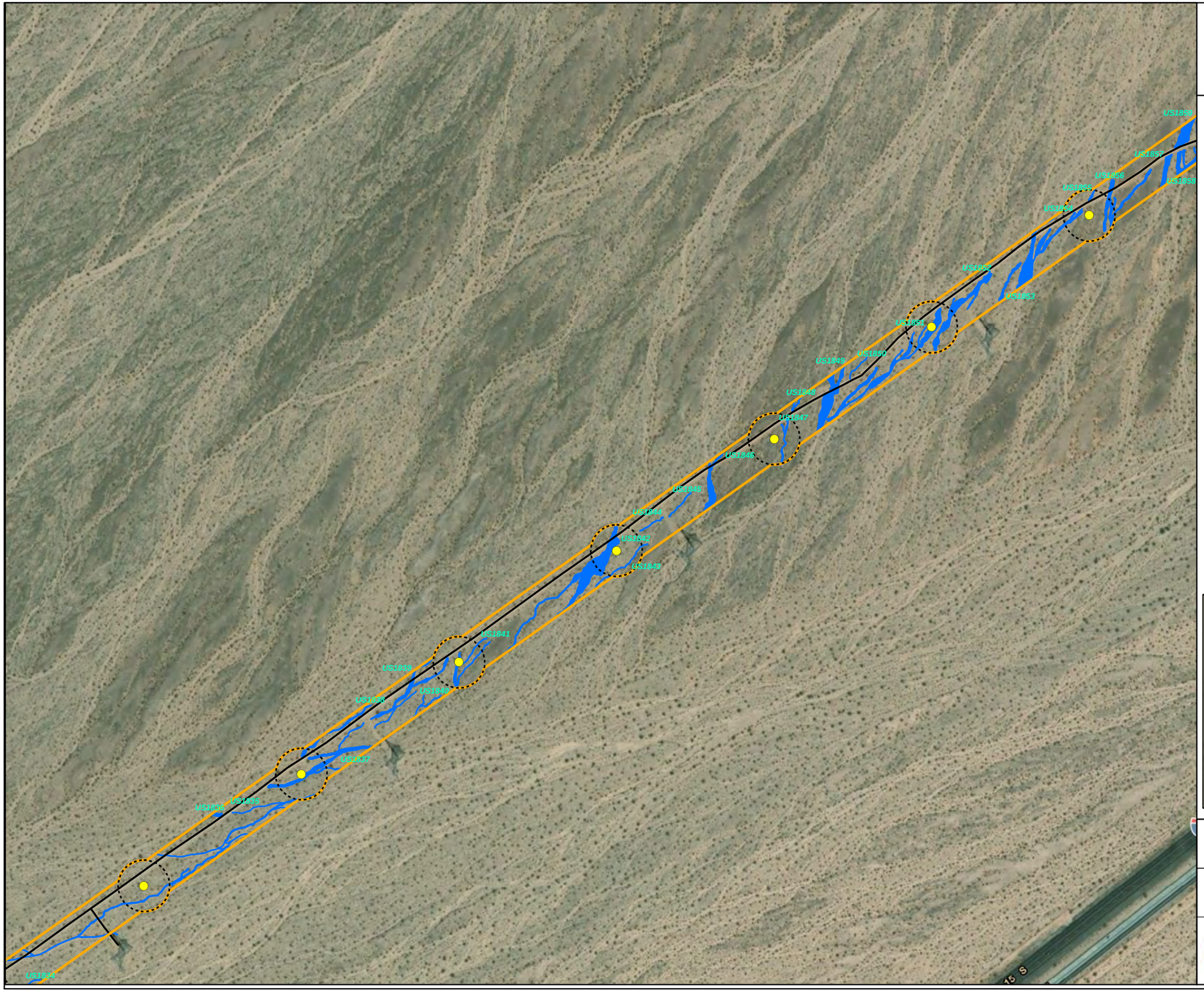

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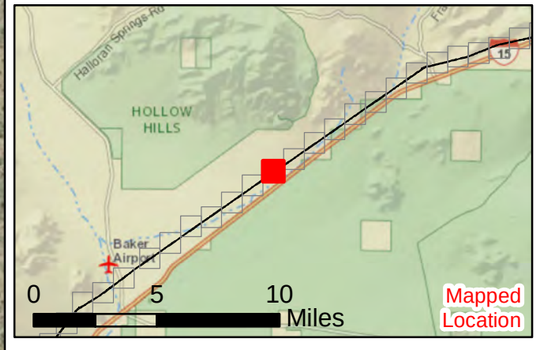

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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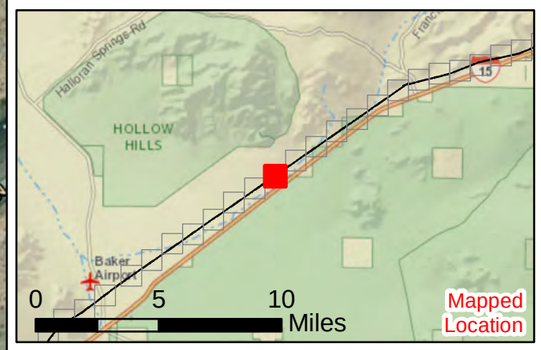

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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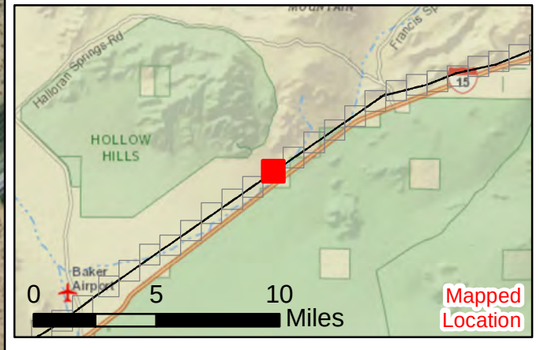

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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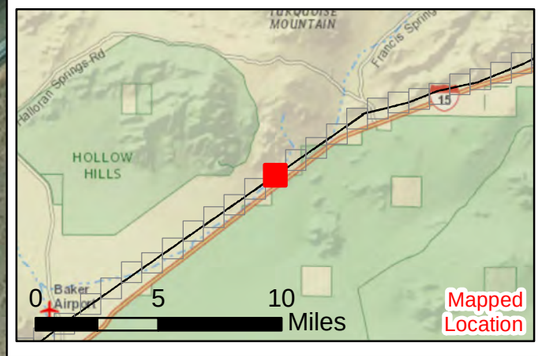

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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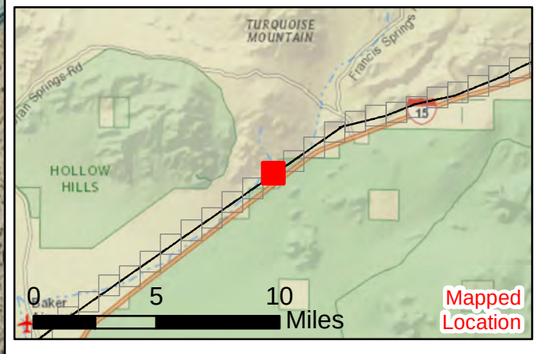

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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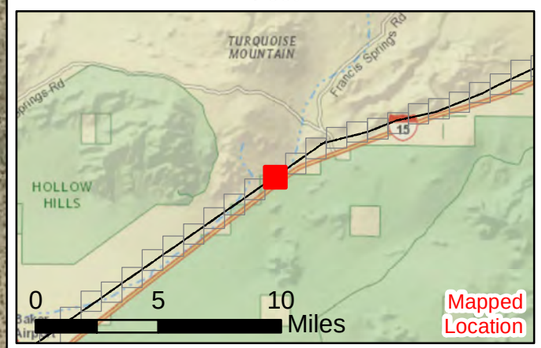

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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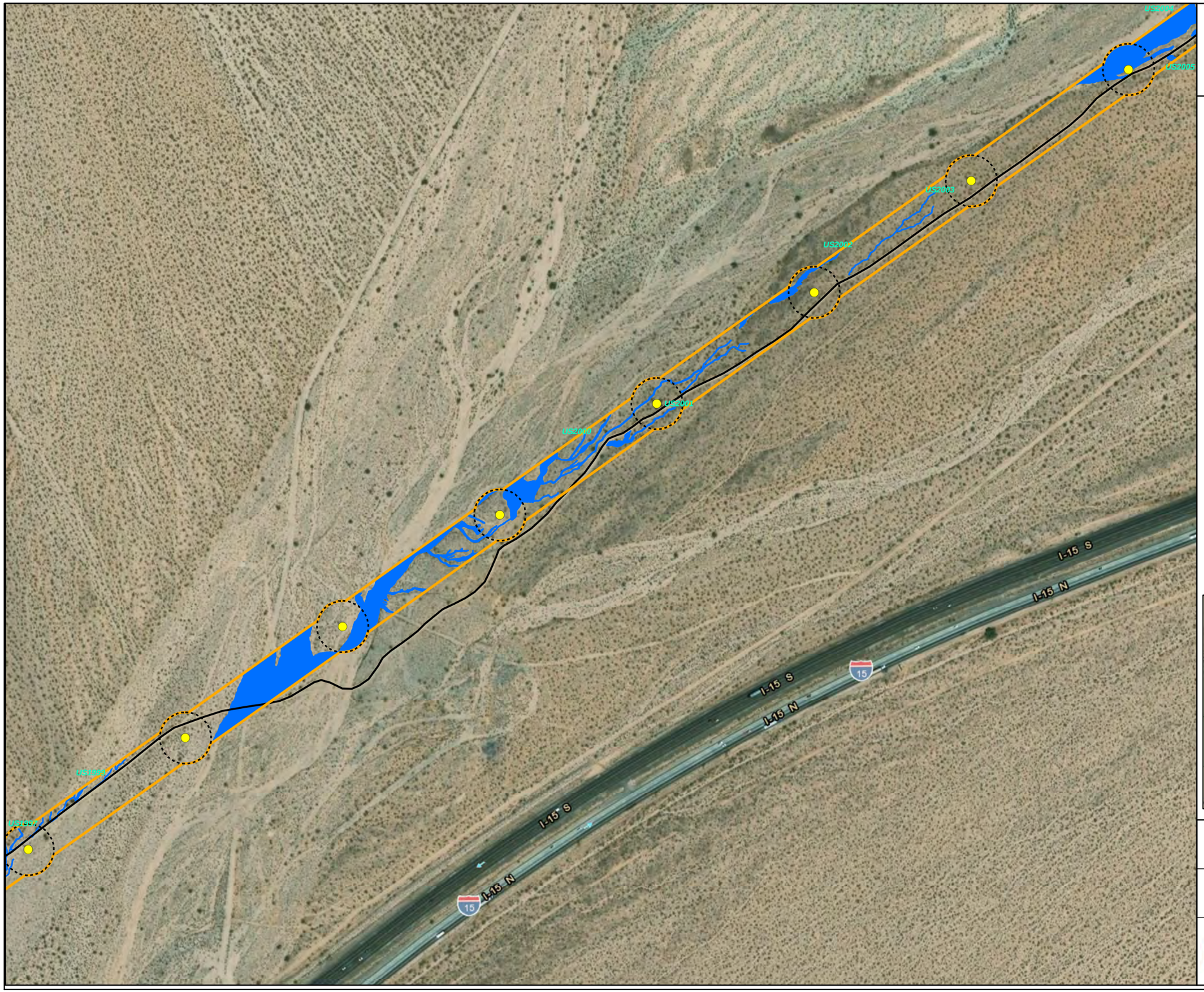

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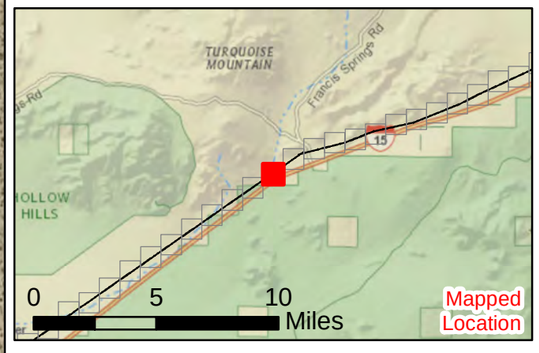

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
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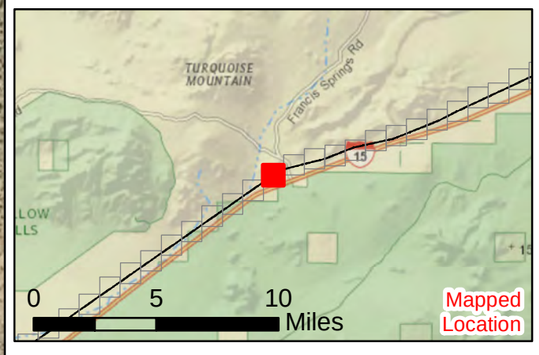
Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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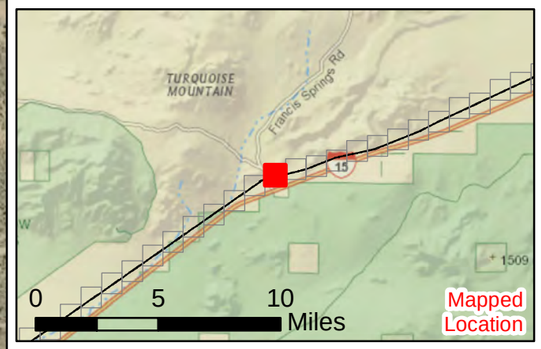
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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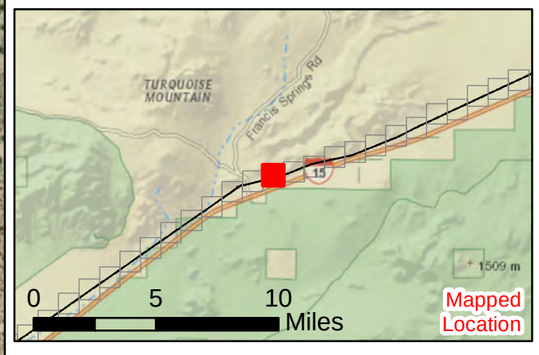
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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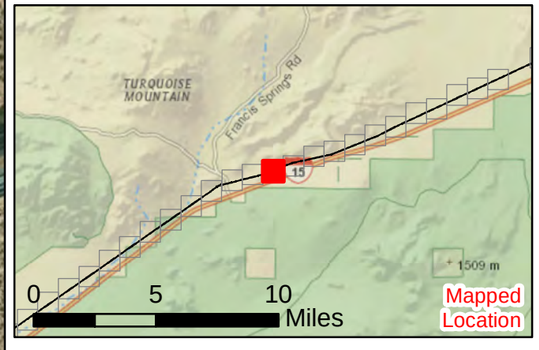

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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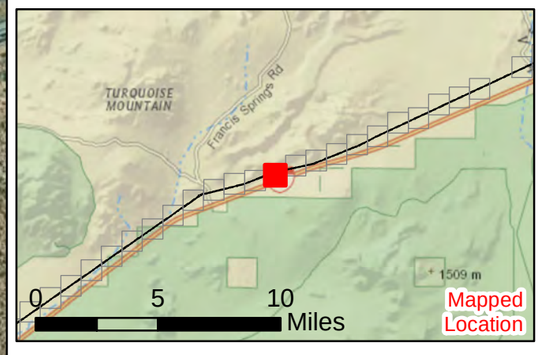

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Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corpargis\Data\ArcGisData\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
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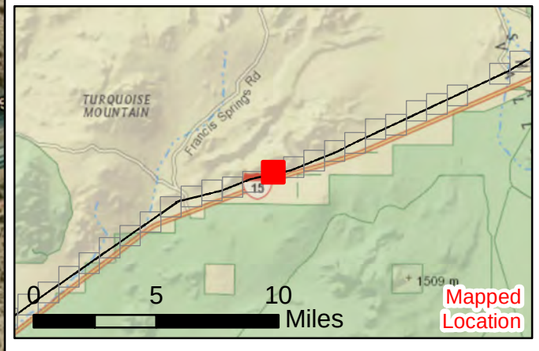

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\CK\TLLR_11_17_Landscape USACE JD Mapping.mxd 8/28/2018 adavis
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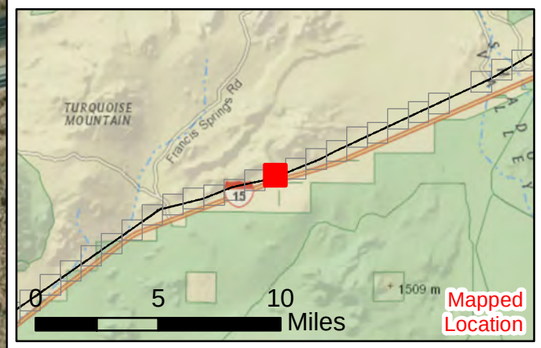

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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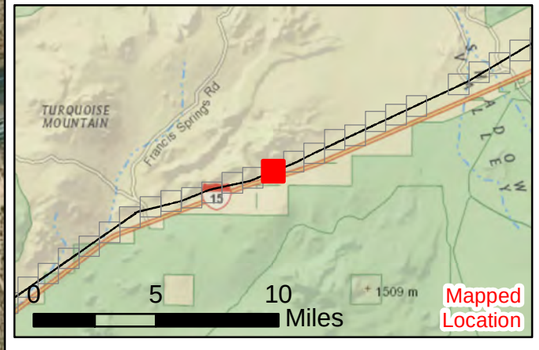

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Coordinate System: NAD 1983 UTM Zone 11N

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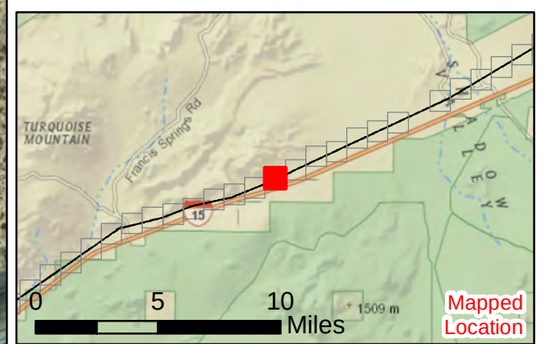

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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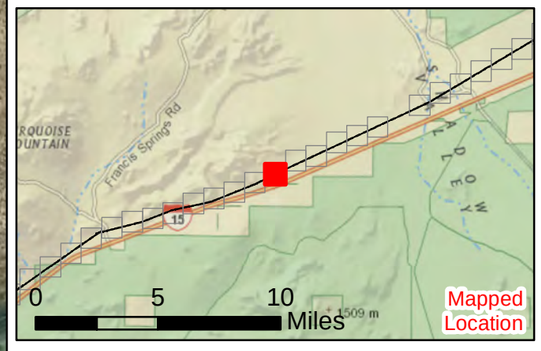

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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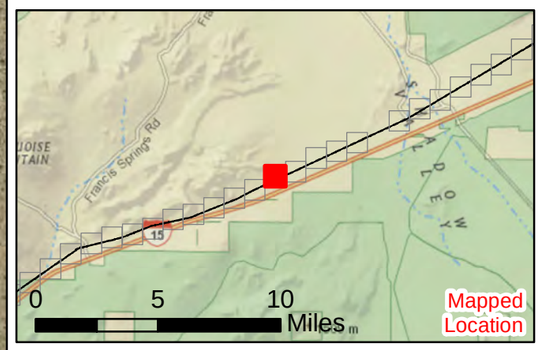

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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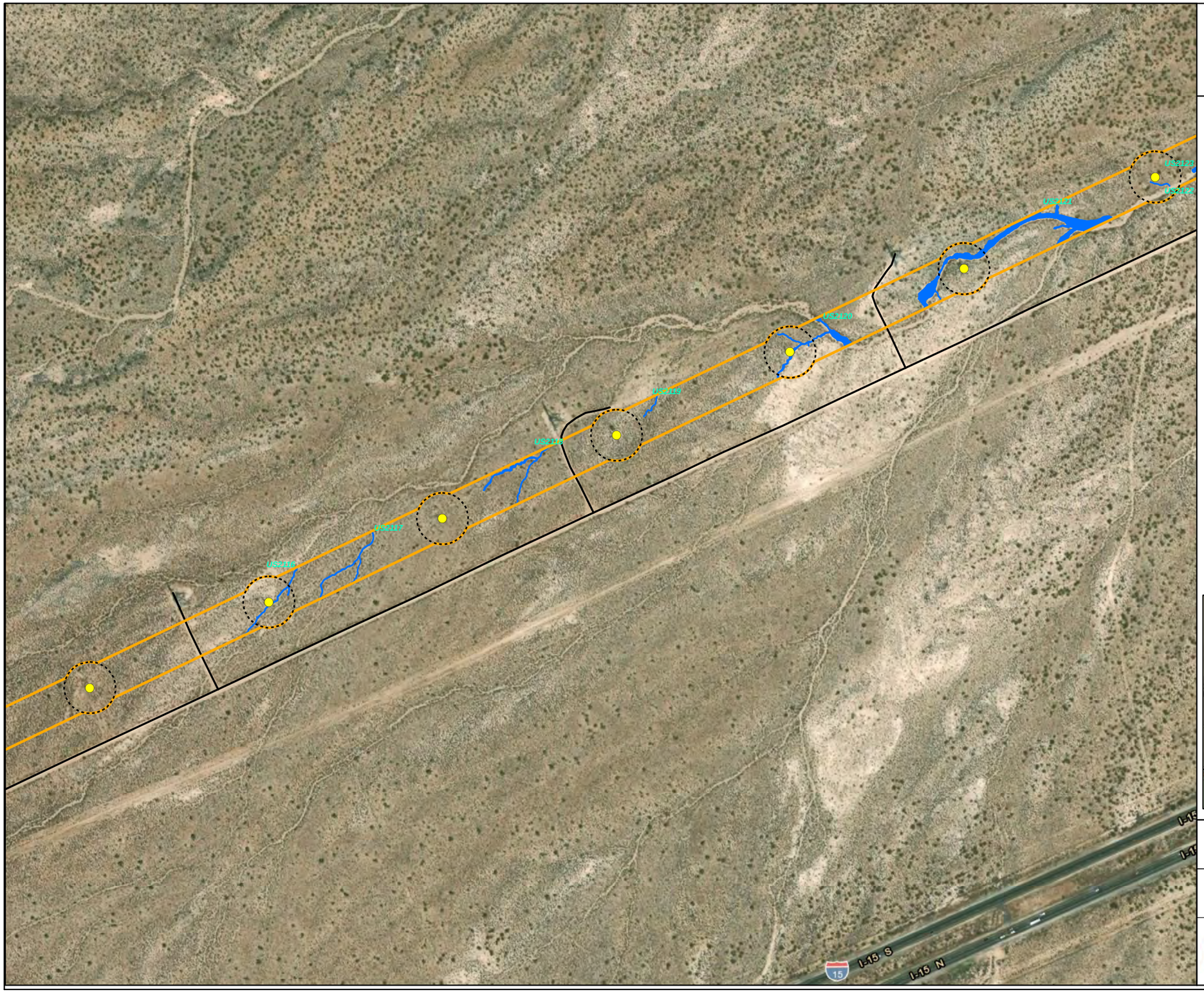
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON®
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Legend

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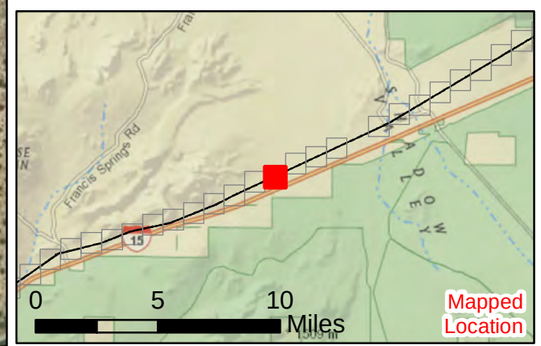

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Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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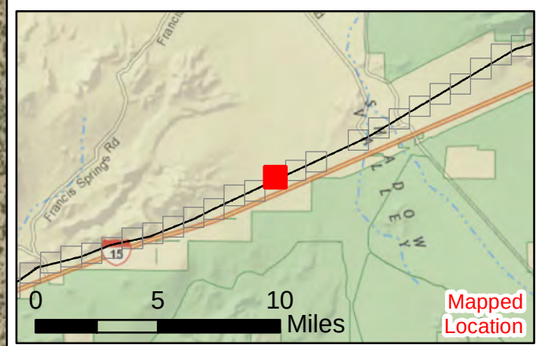

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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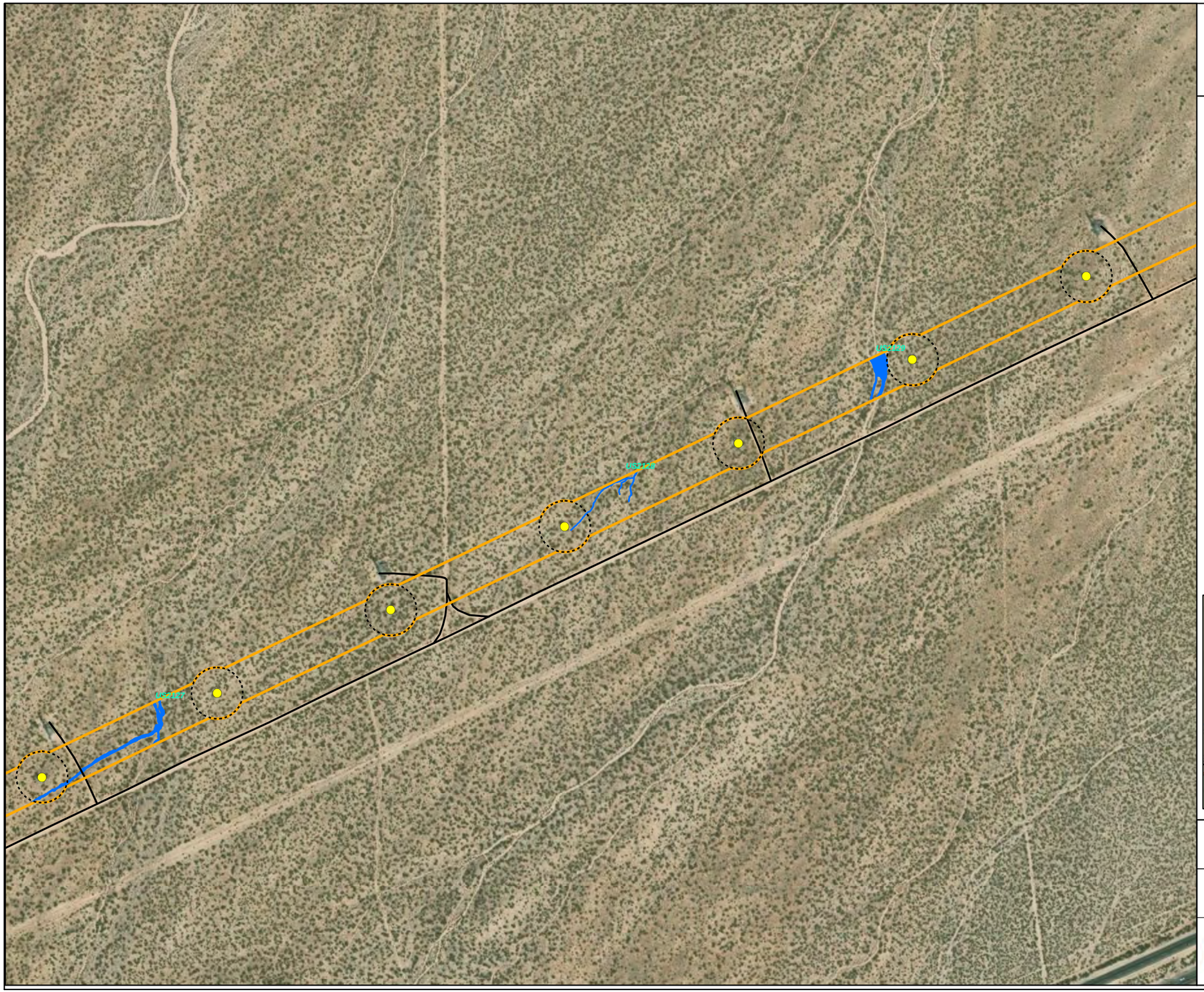

SOUTHERN CALIFORNIA EDISON
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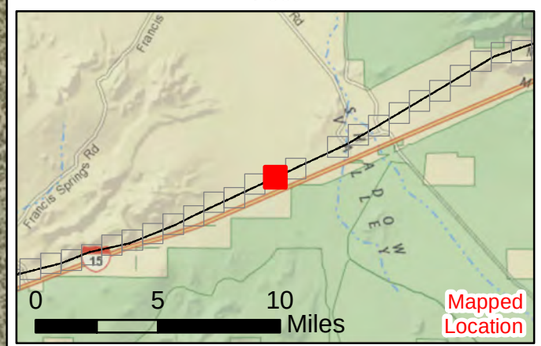

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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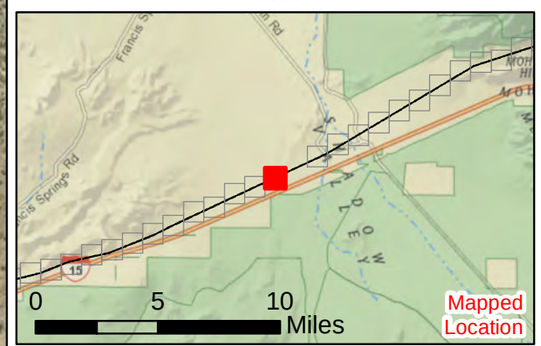

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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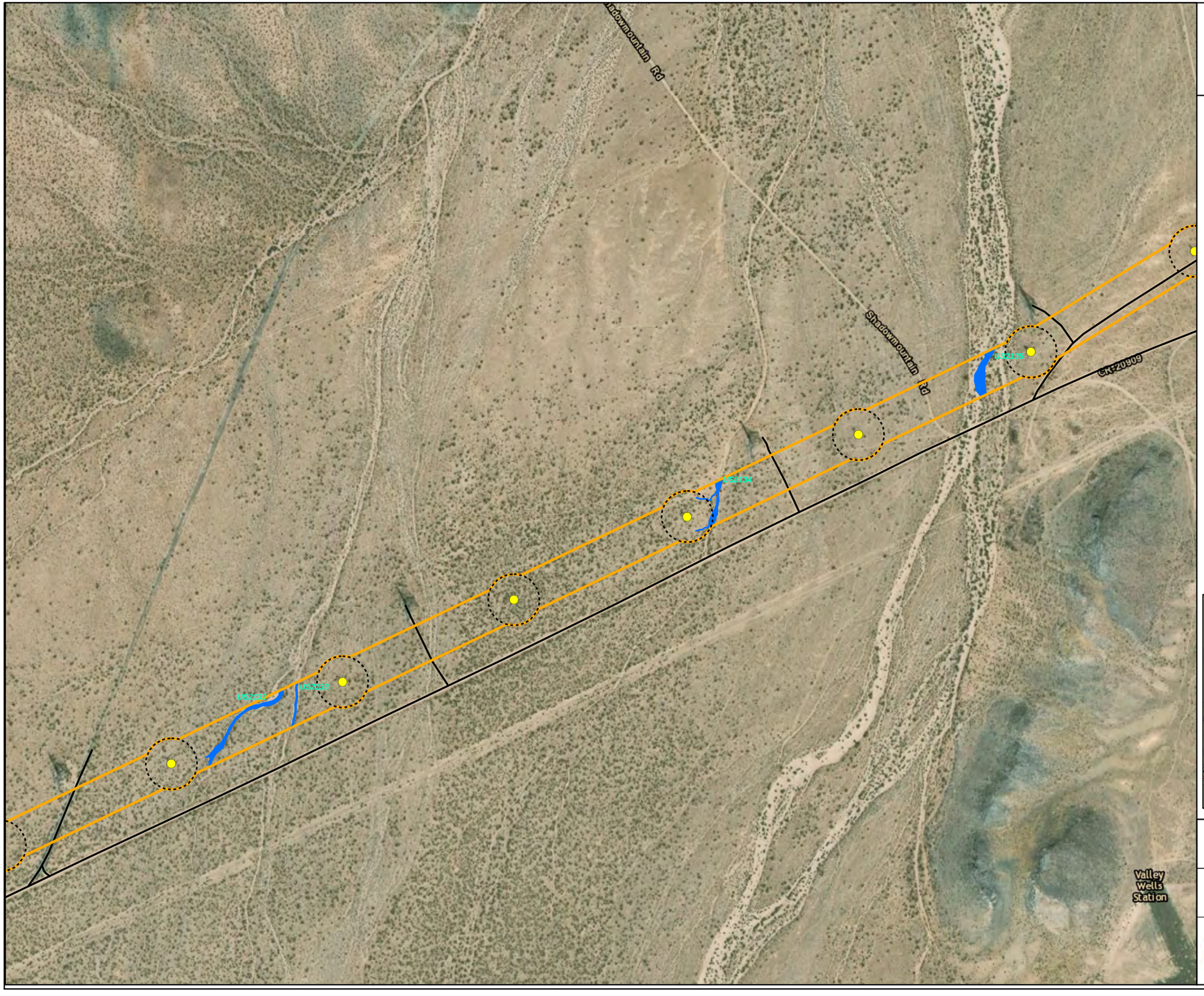

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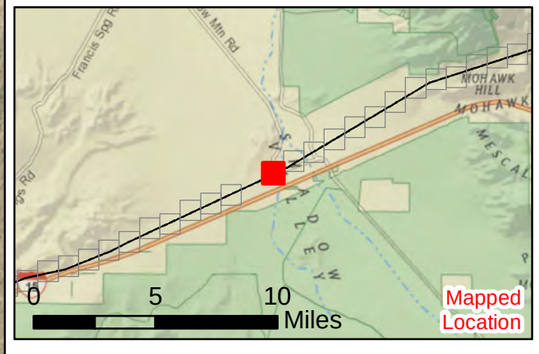

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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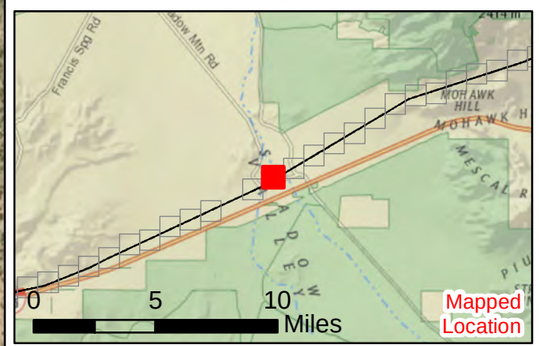

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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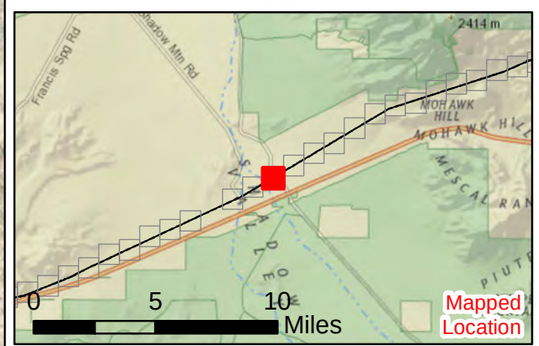

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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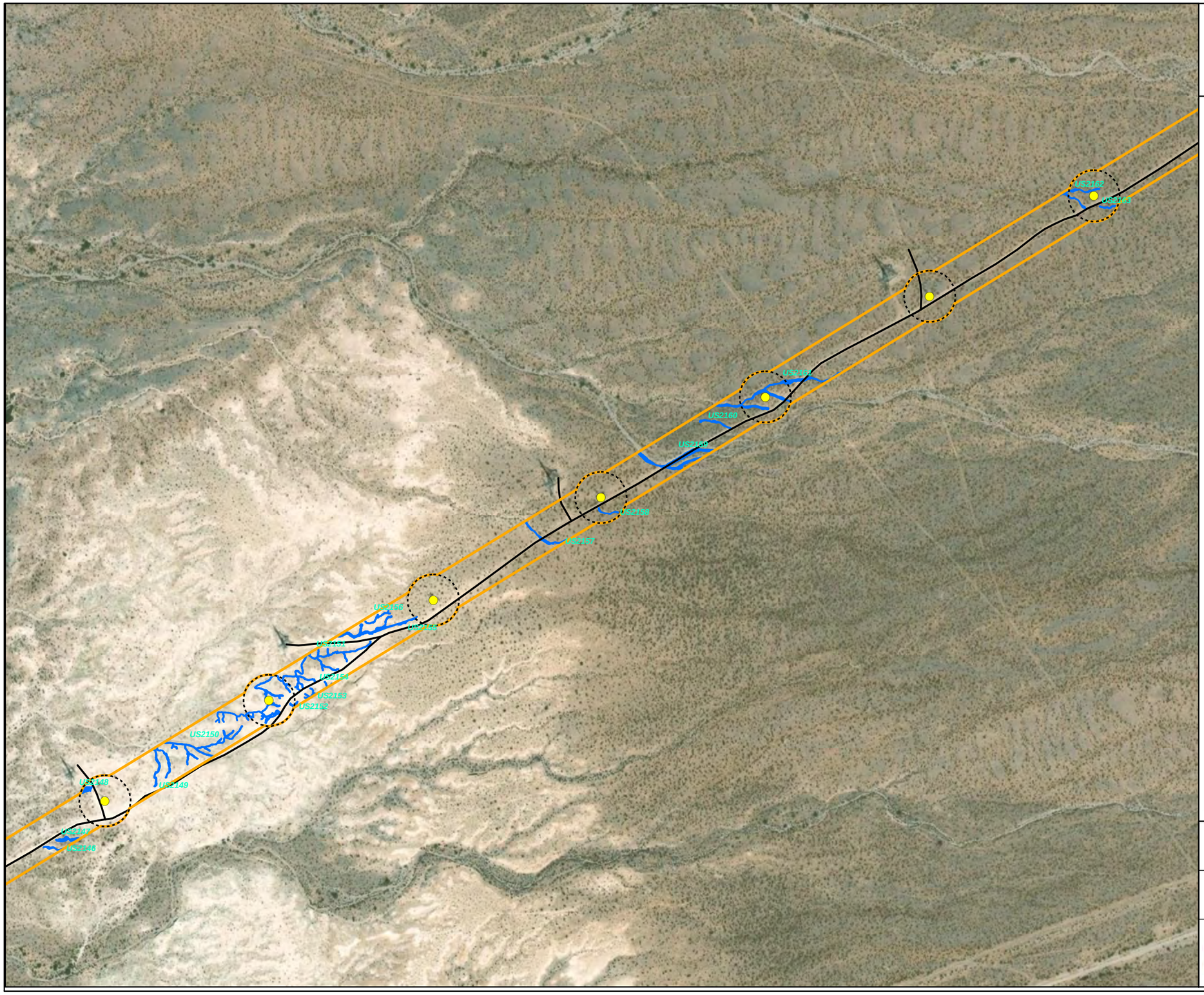

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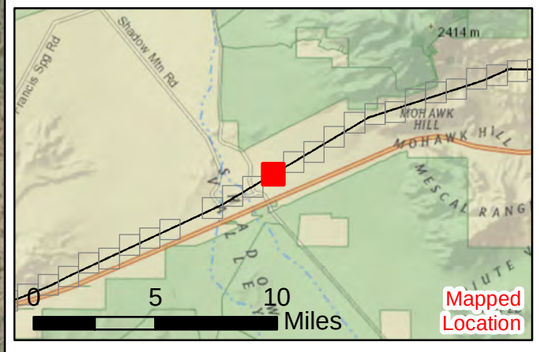

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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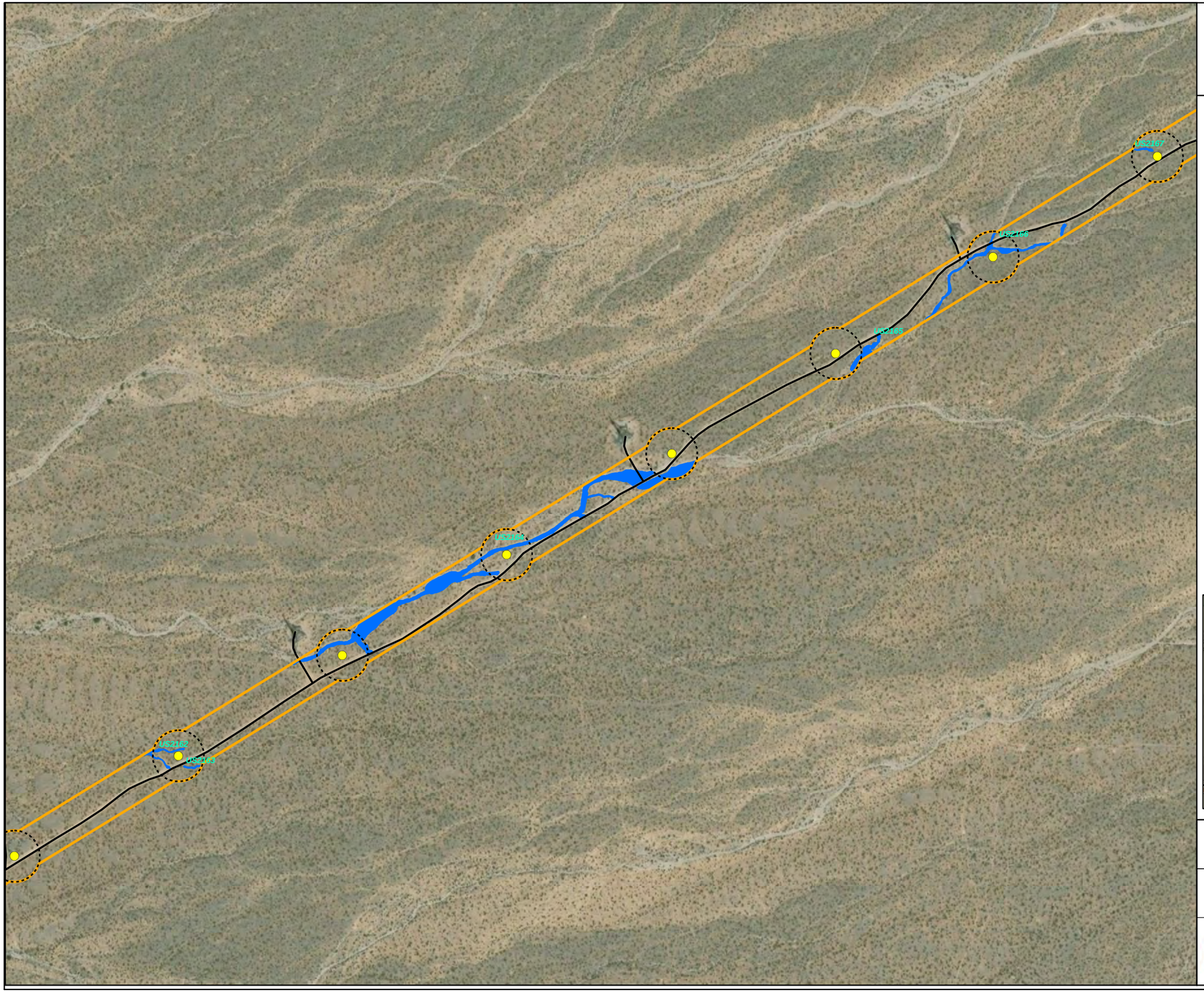

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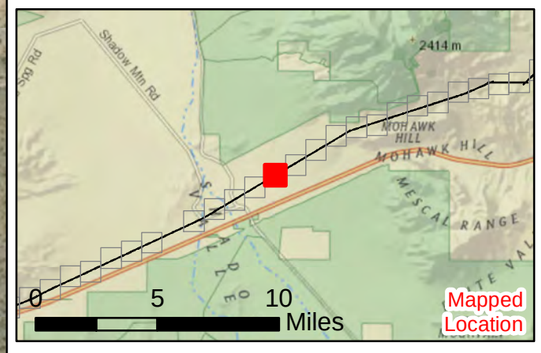

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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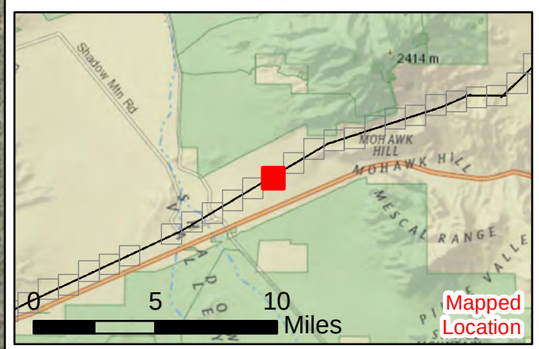
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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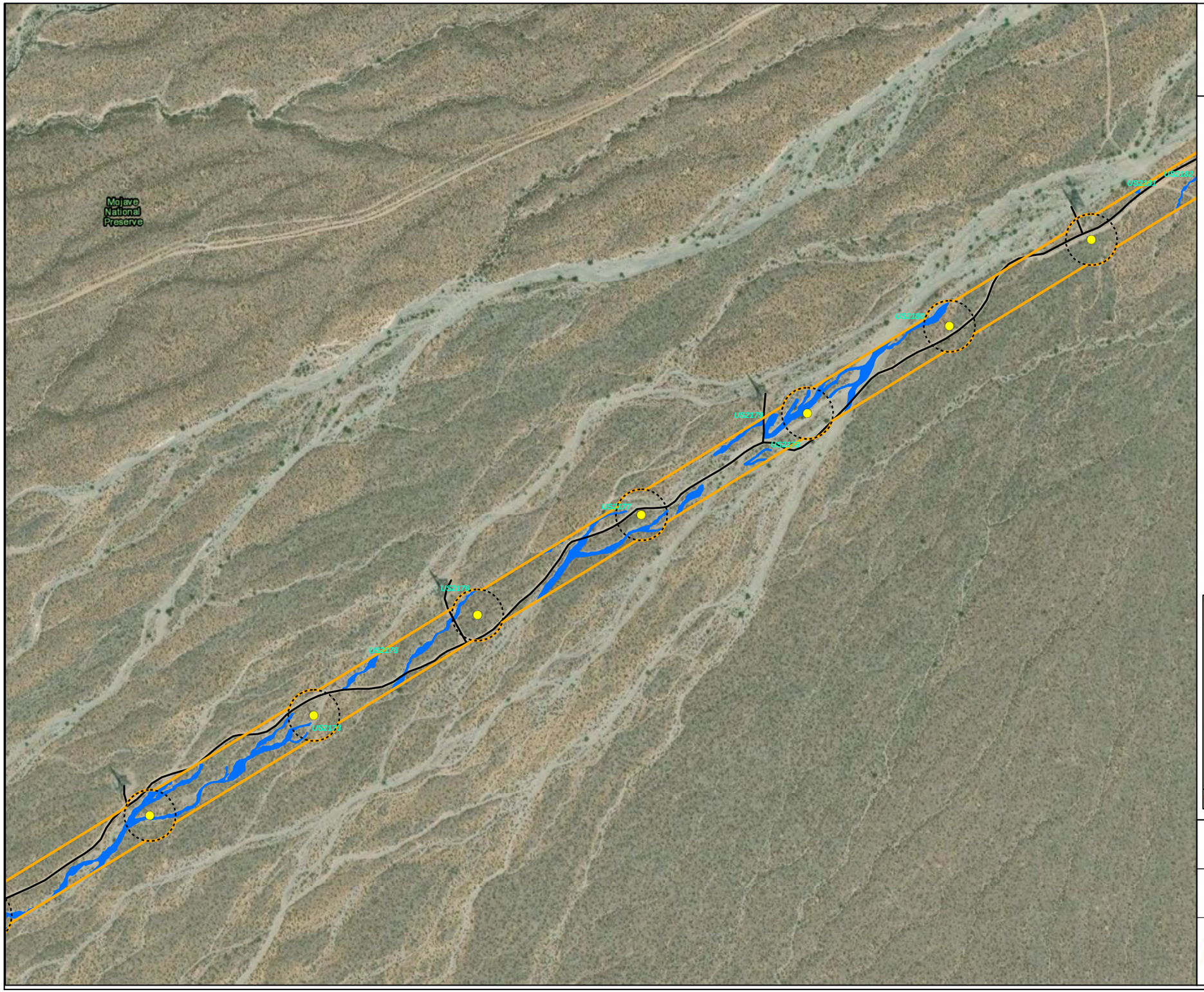
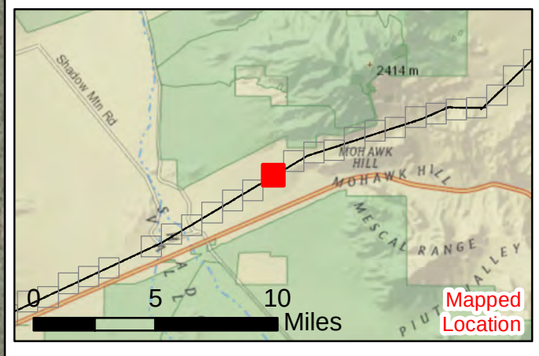


SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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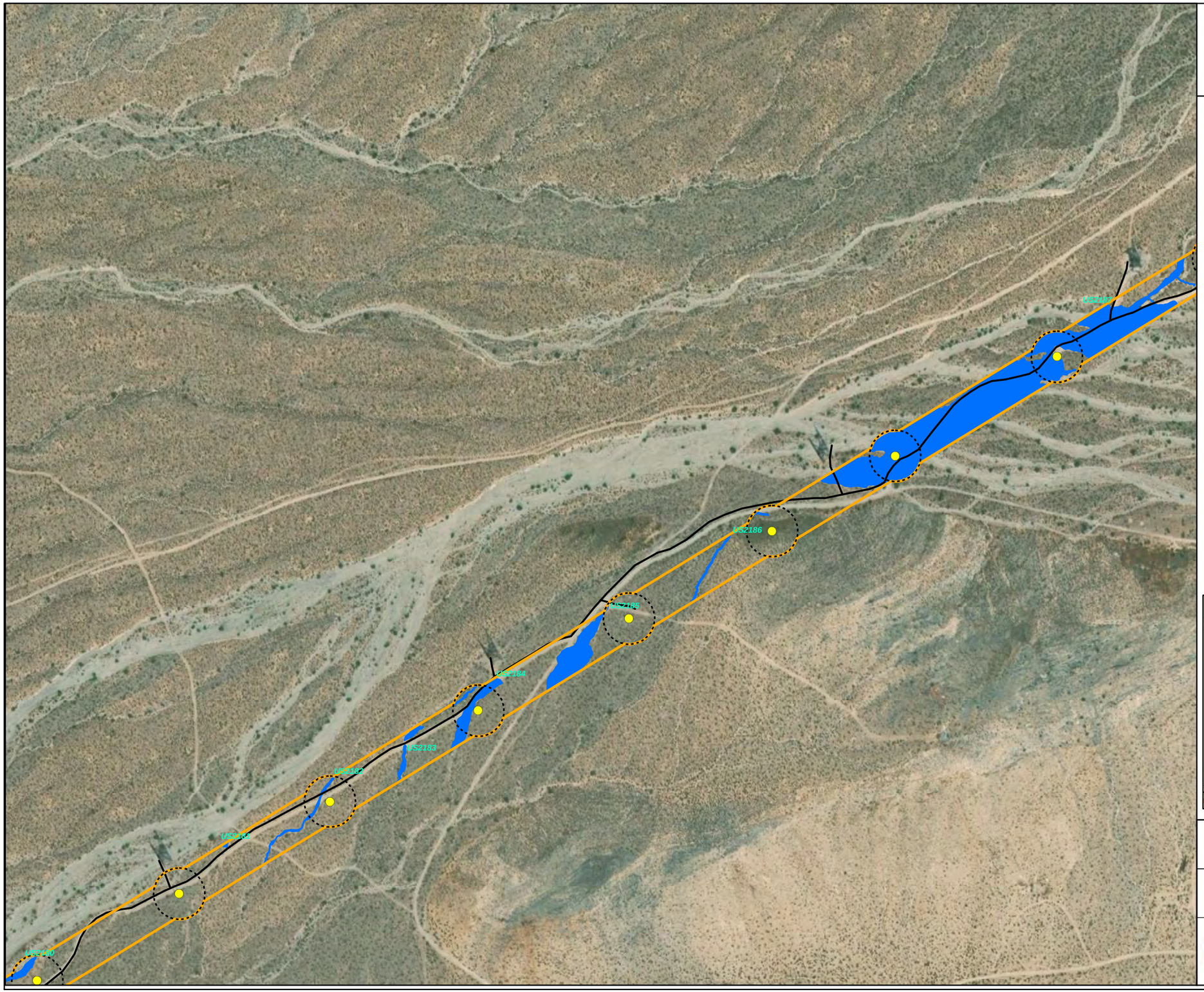

SOUTHERN CALIFORNIA EDISON
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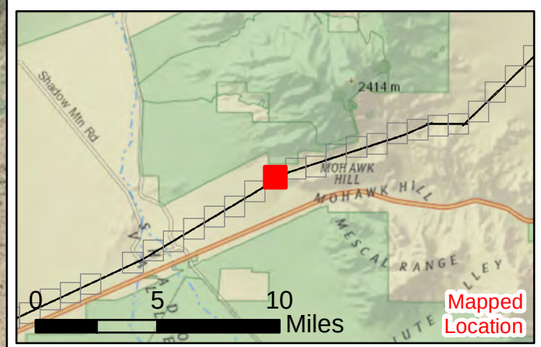
Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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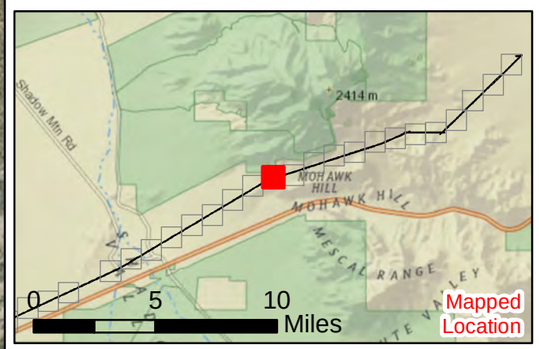
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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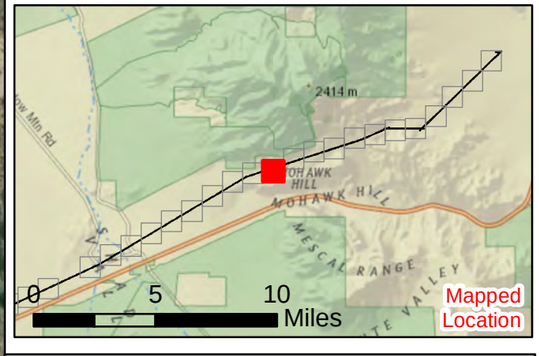
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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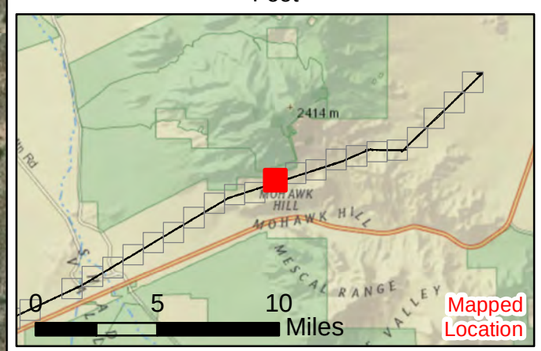
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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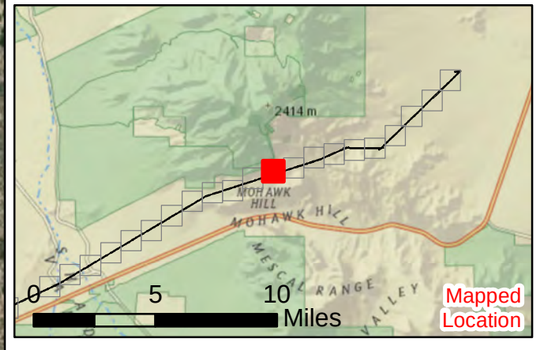
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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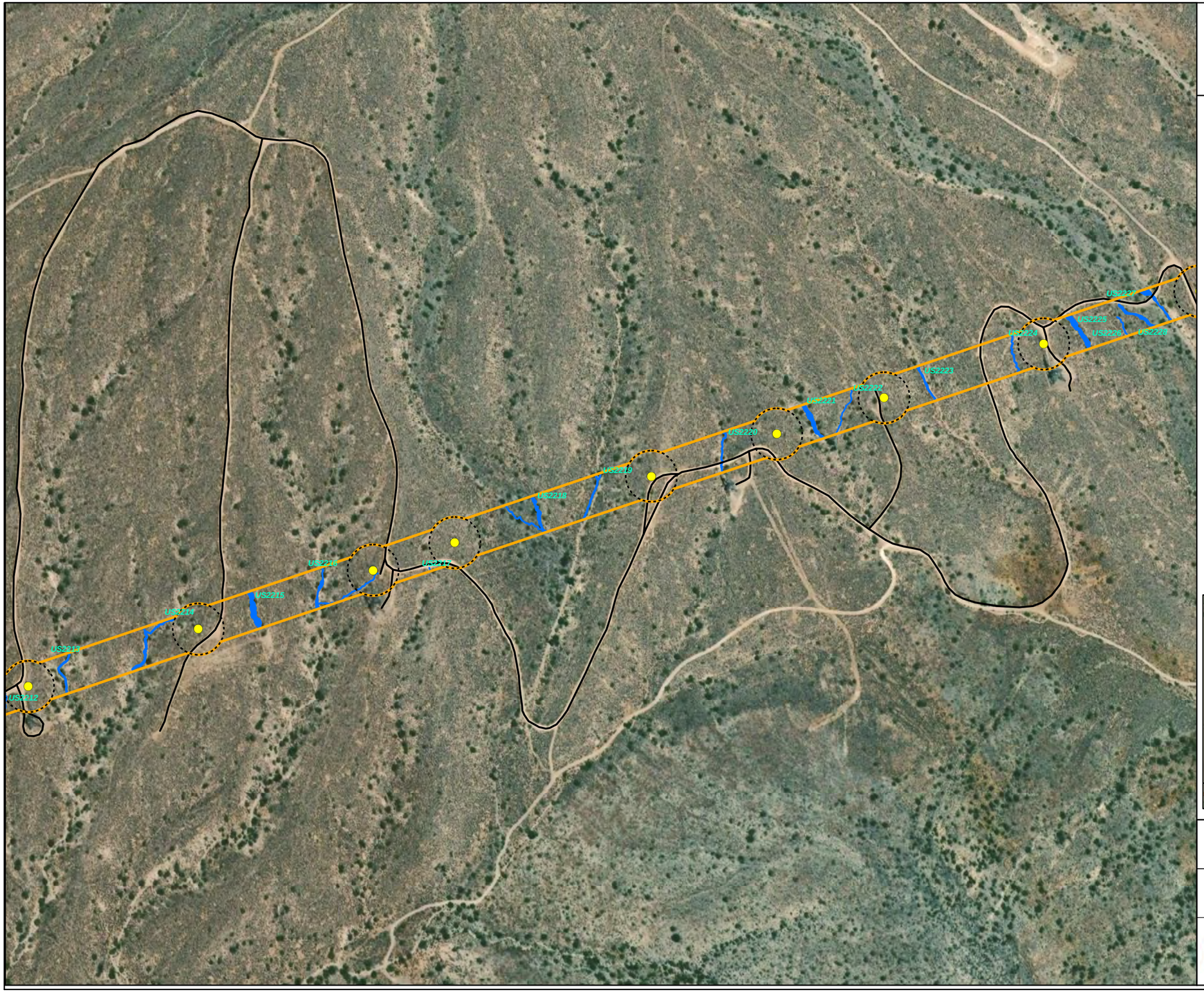

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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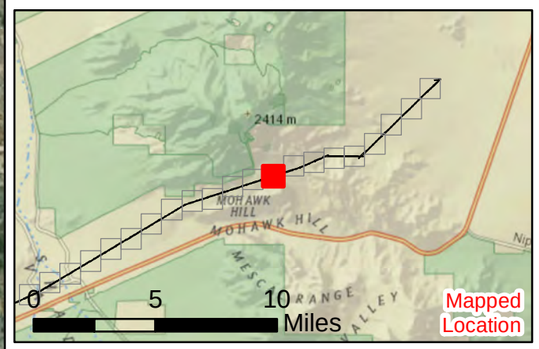
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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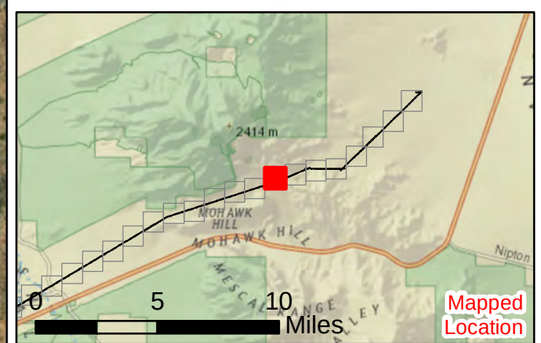
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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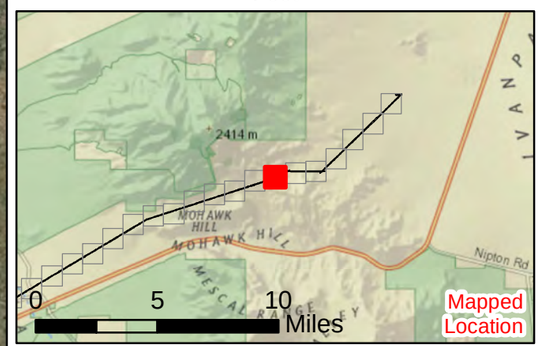
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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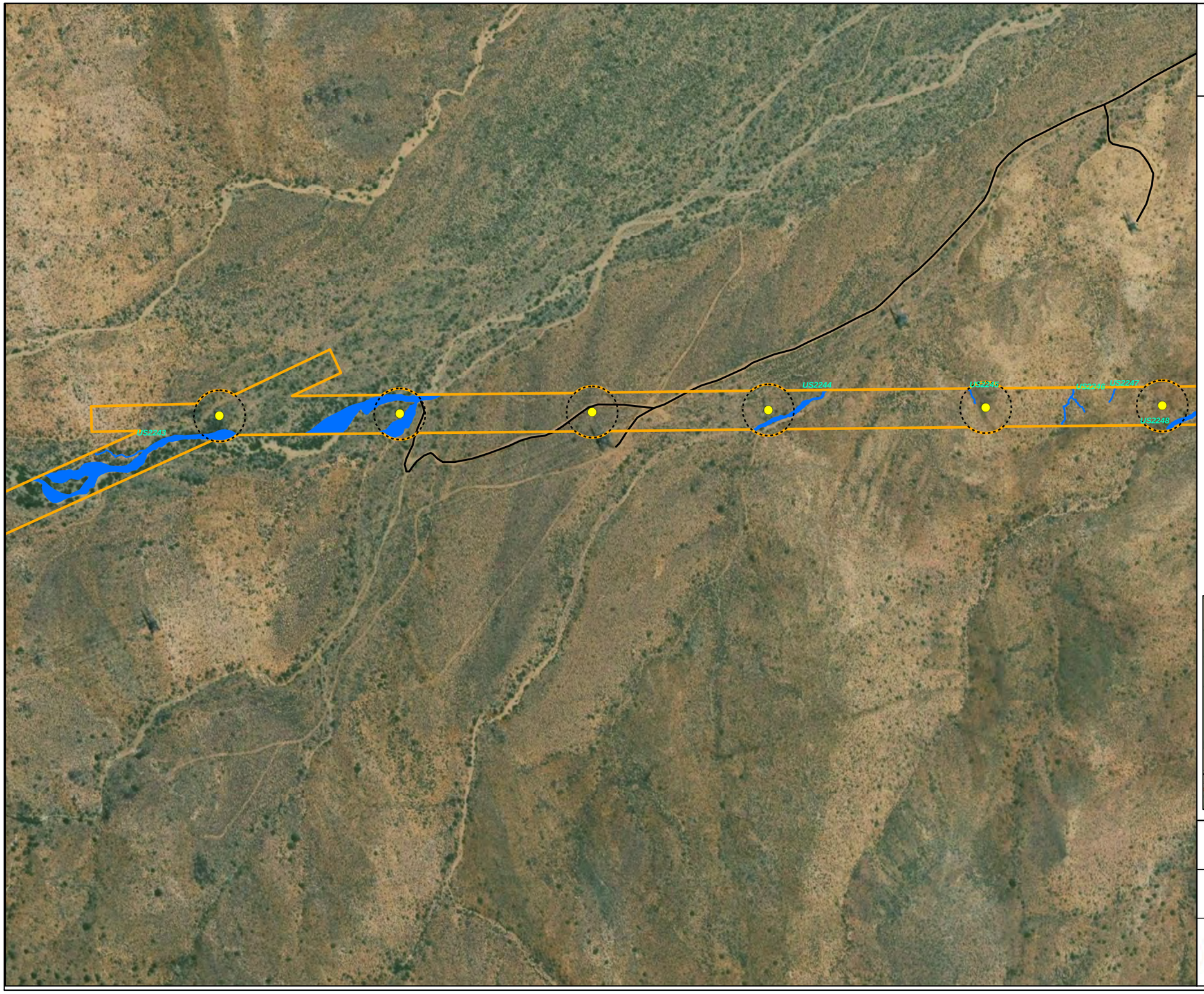

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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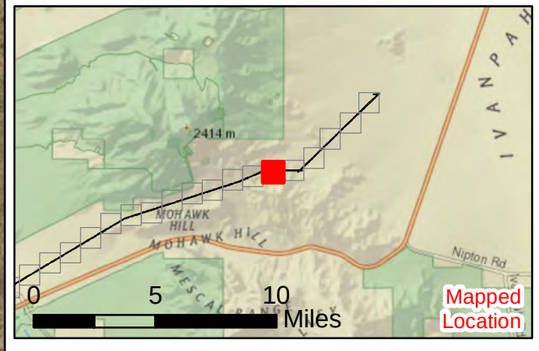
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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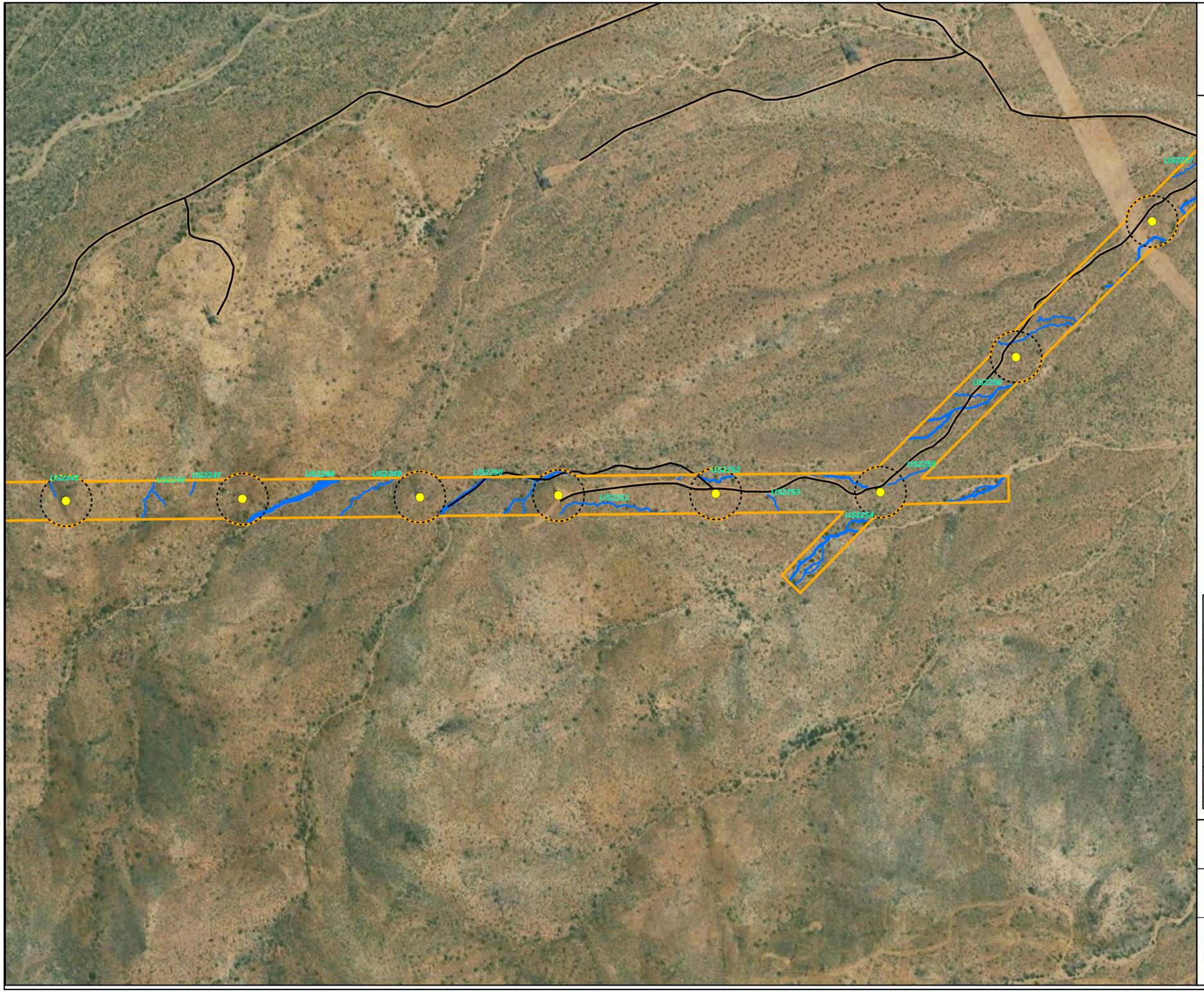
Coordinate System: NAD 1983 UTM Zone 11N

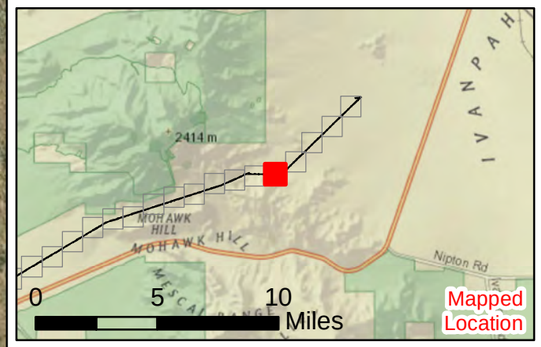


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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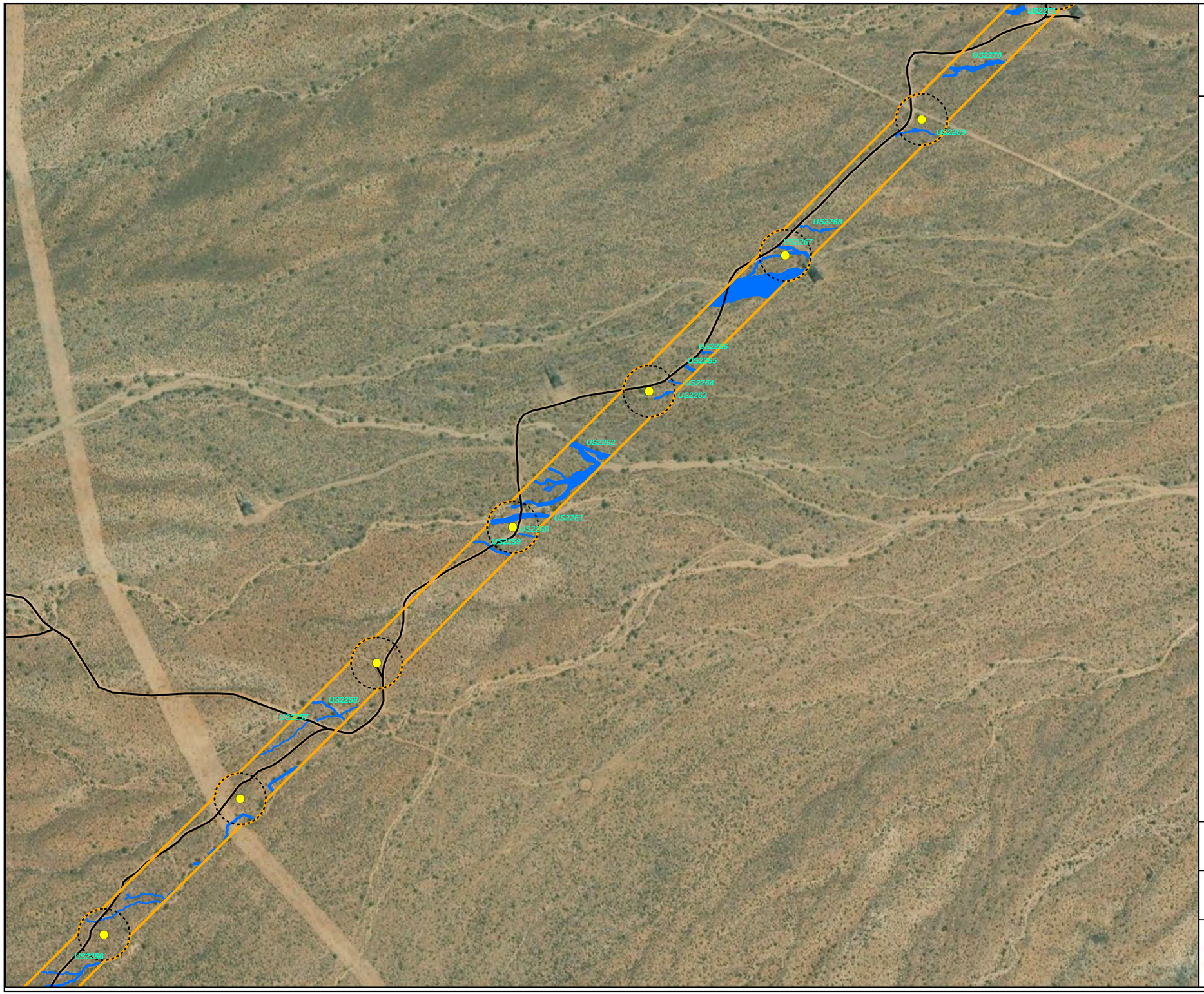
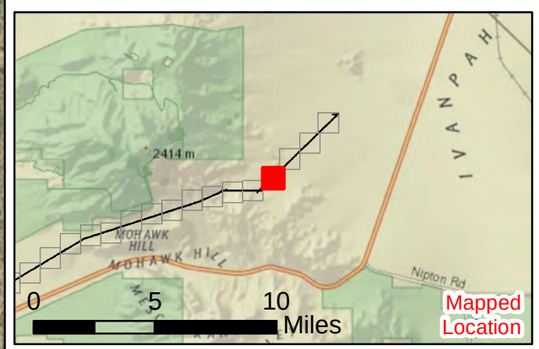


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
- Substation Location
- Photo Locations

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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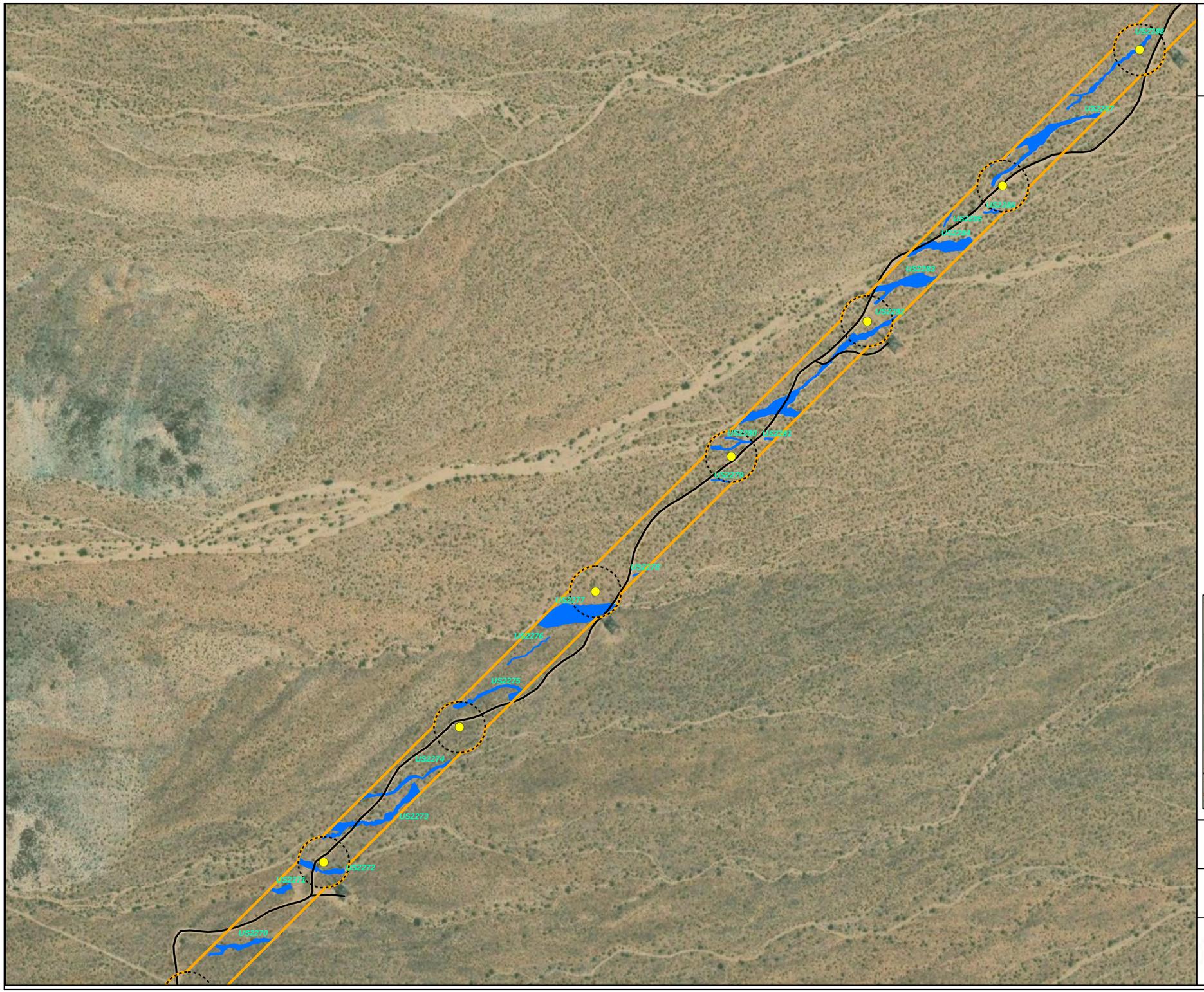
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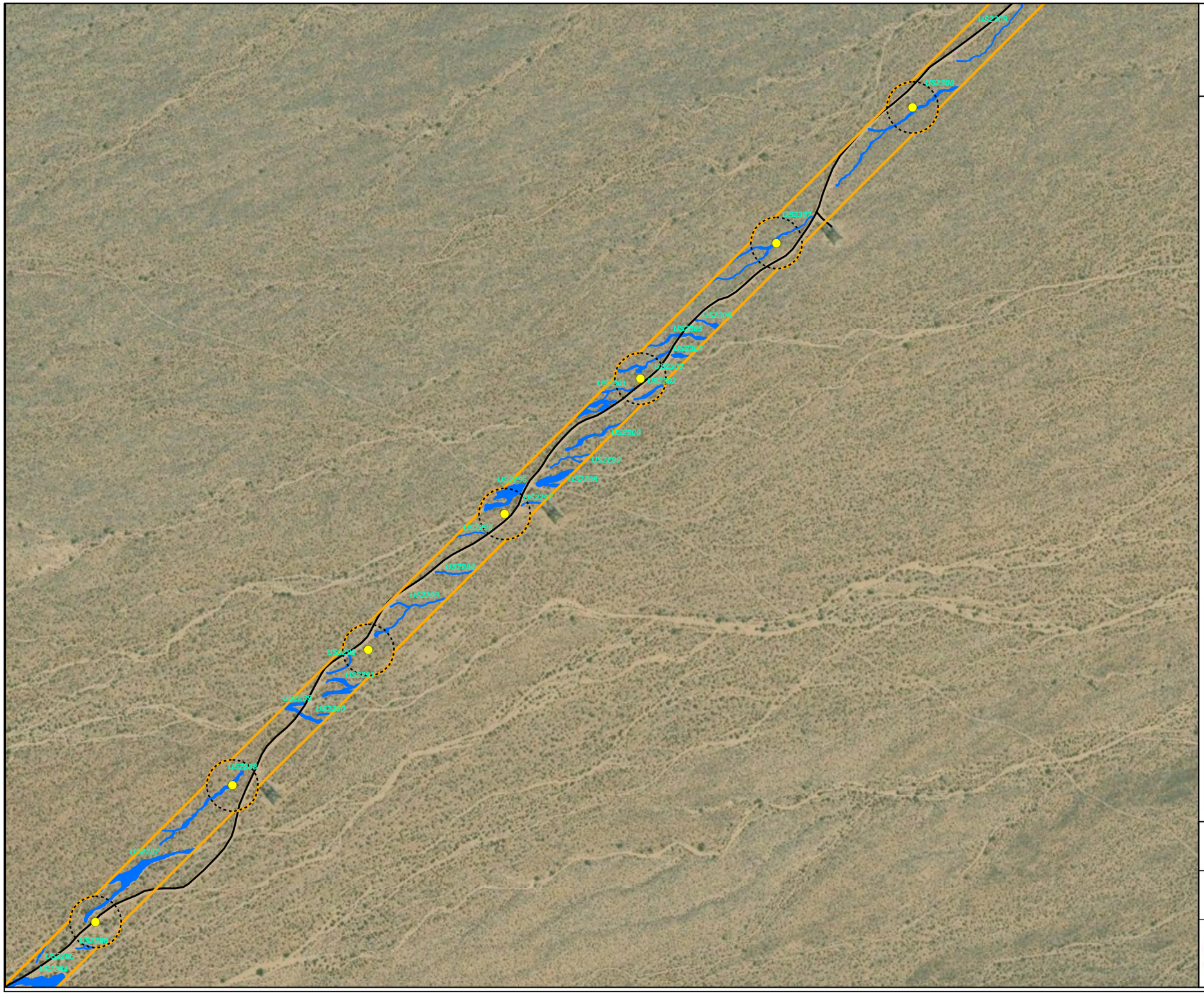

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Survey Area
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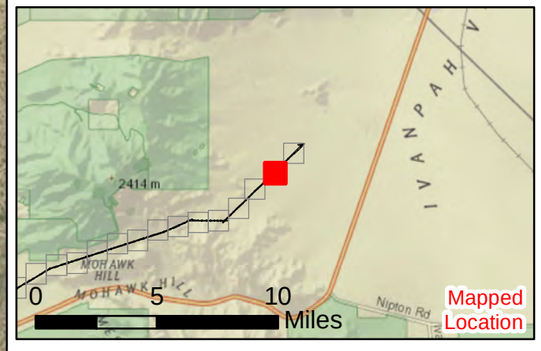
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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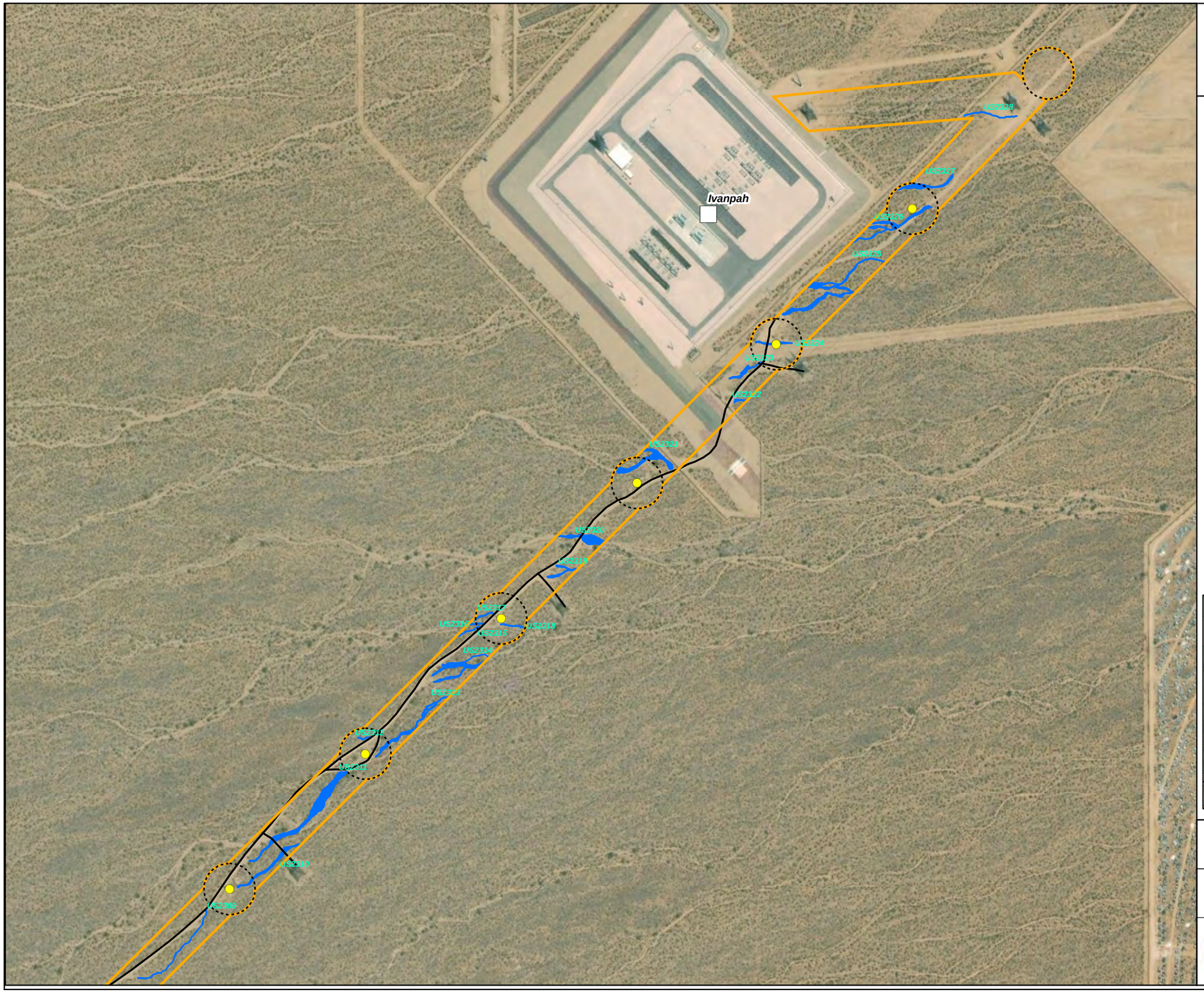

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Existing Structure Location
- Survey Area
- 100 Foot Radius Tower Buffer
- Access Roads
- USACE/RWQCB Other Waters
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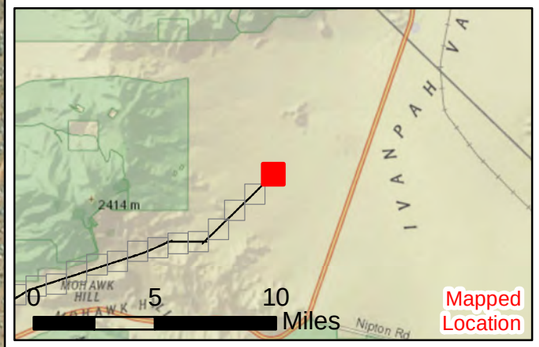
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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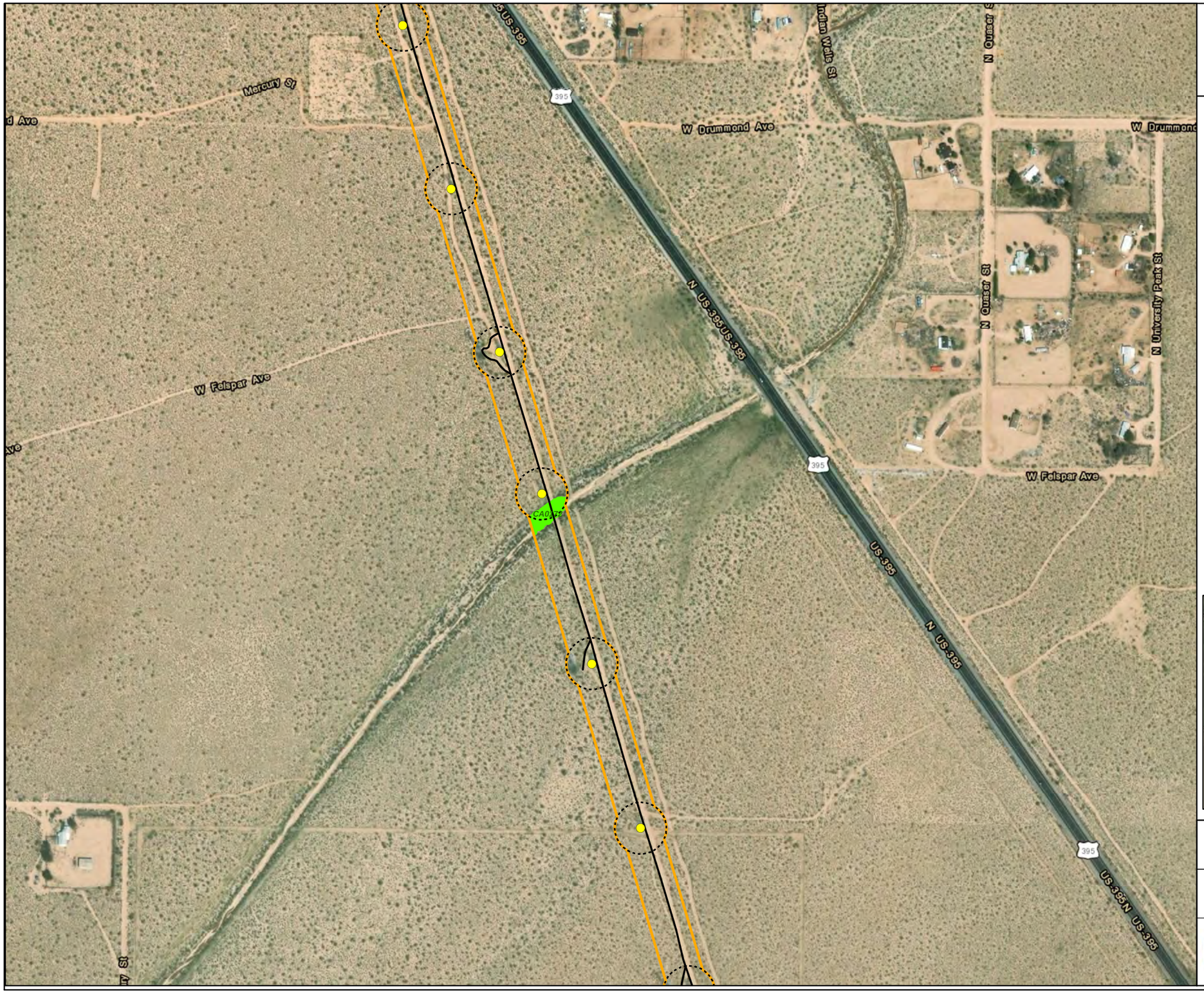
Coordinate System: NAD 1983 UTM Zone 11N

ATTACHMENT F

CDFW Jurisdictional Waters Mapping

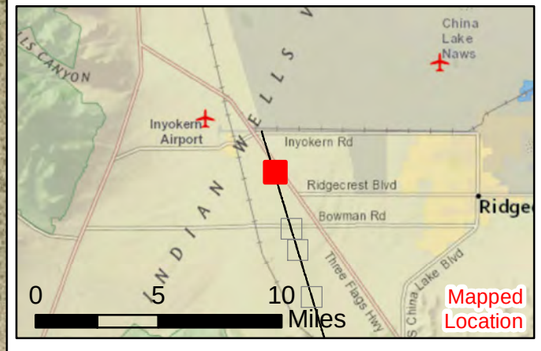


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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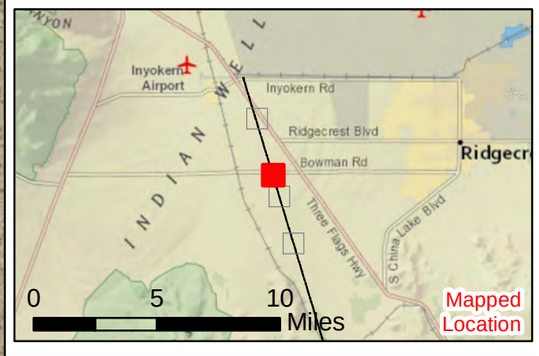
Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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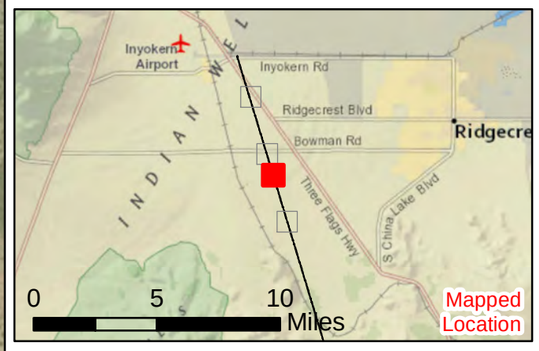
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Figure:

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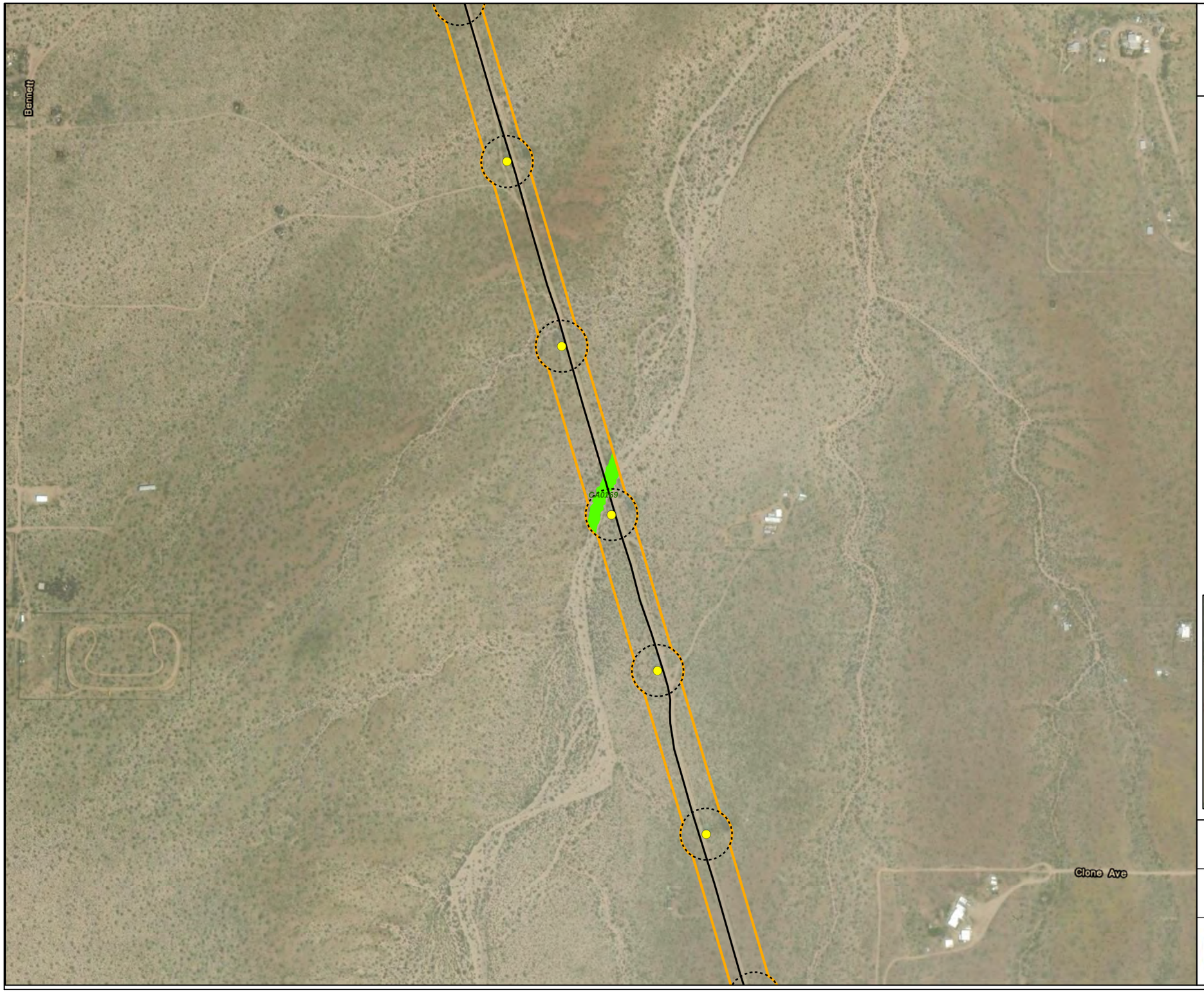
Coordinate System: NAD 1983 UTM Zone 11N

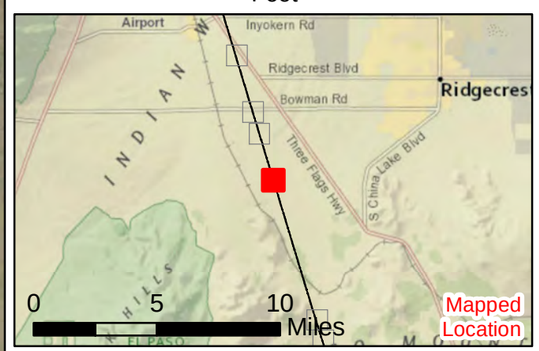


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Survey Area
- Access Roads
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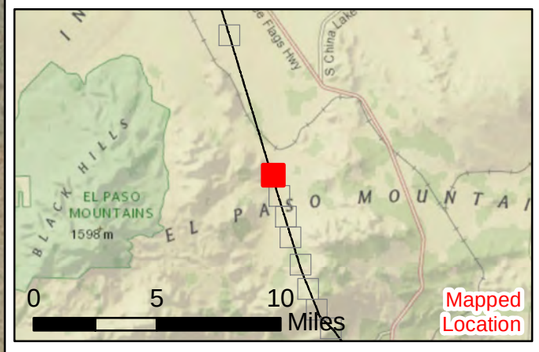
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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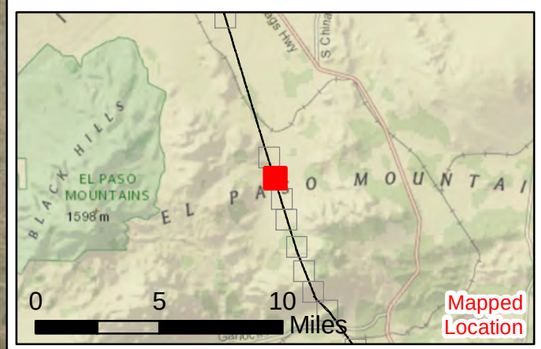
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

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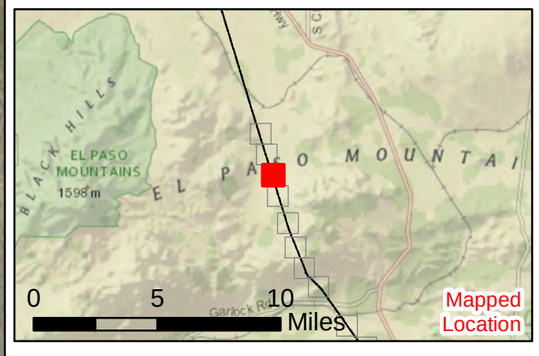
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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0 500 1,000
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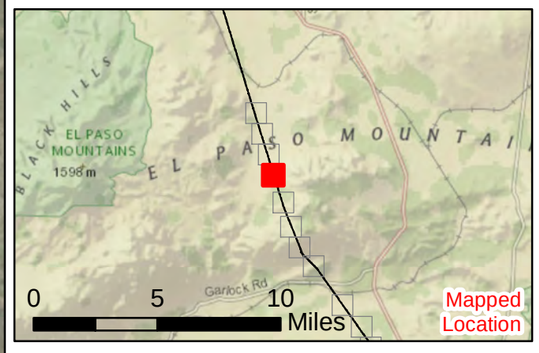

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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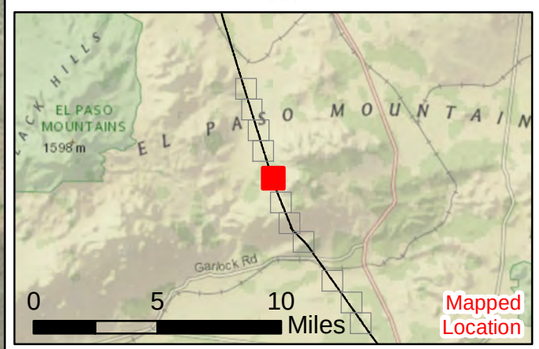

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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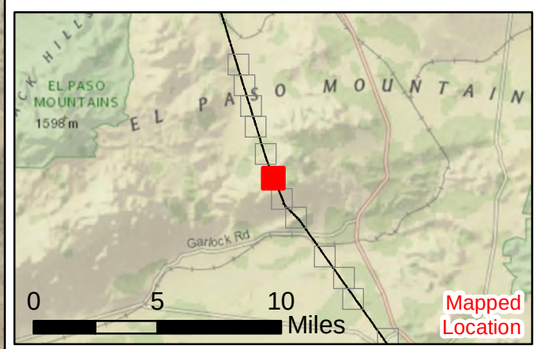

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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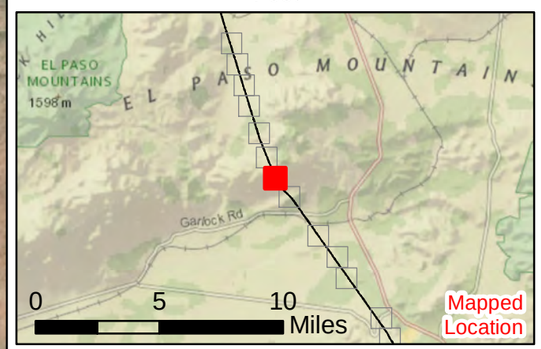

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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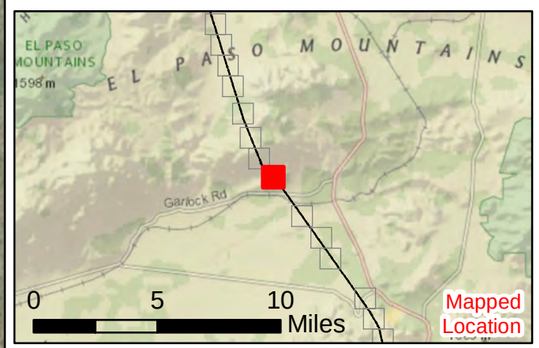

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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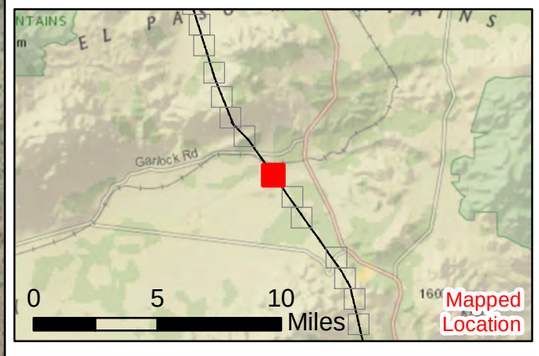

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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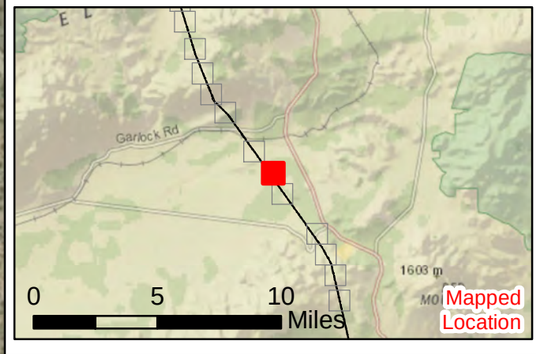

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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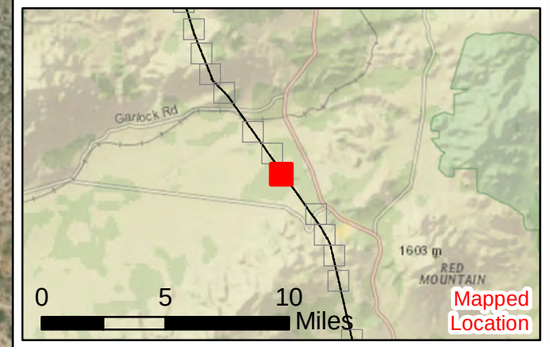

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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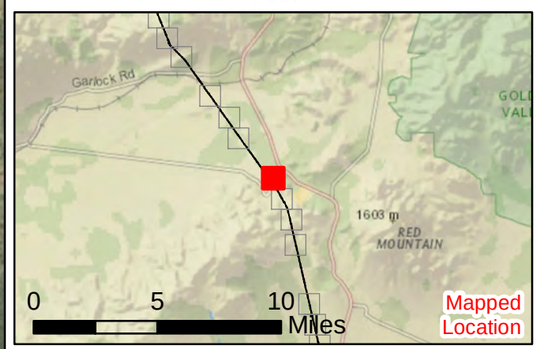

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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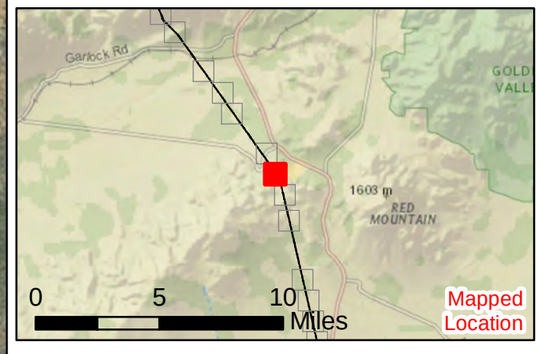
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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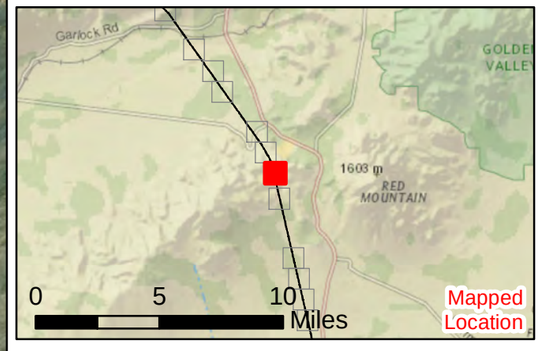

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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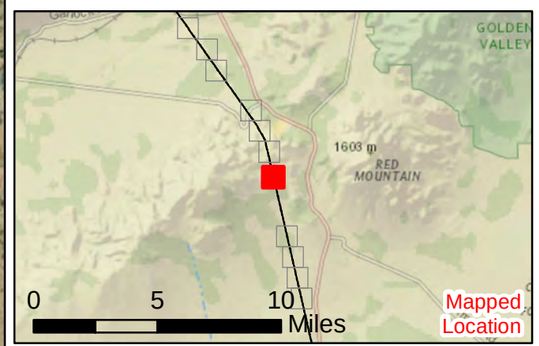

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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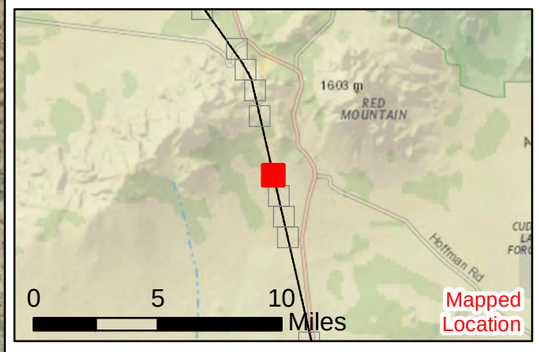

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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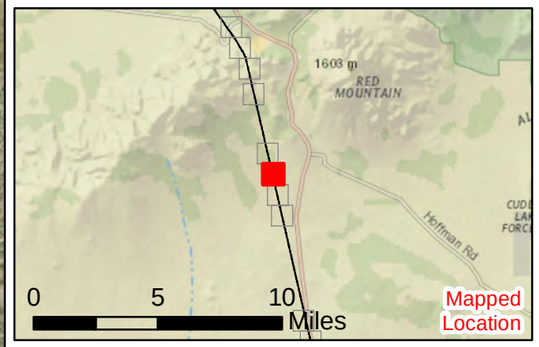

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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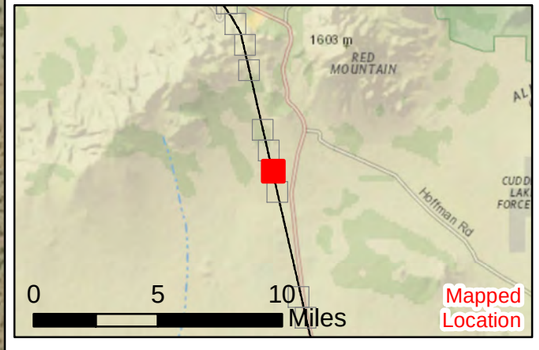

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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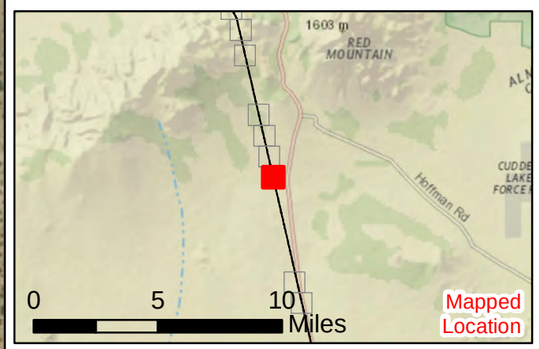

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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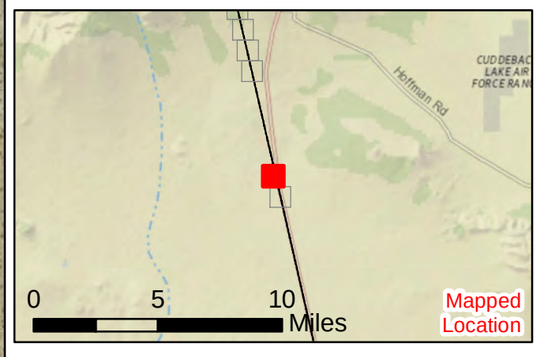

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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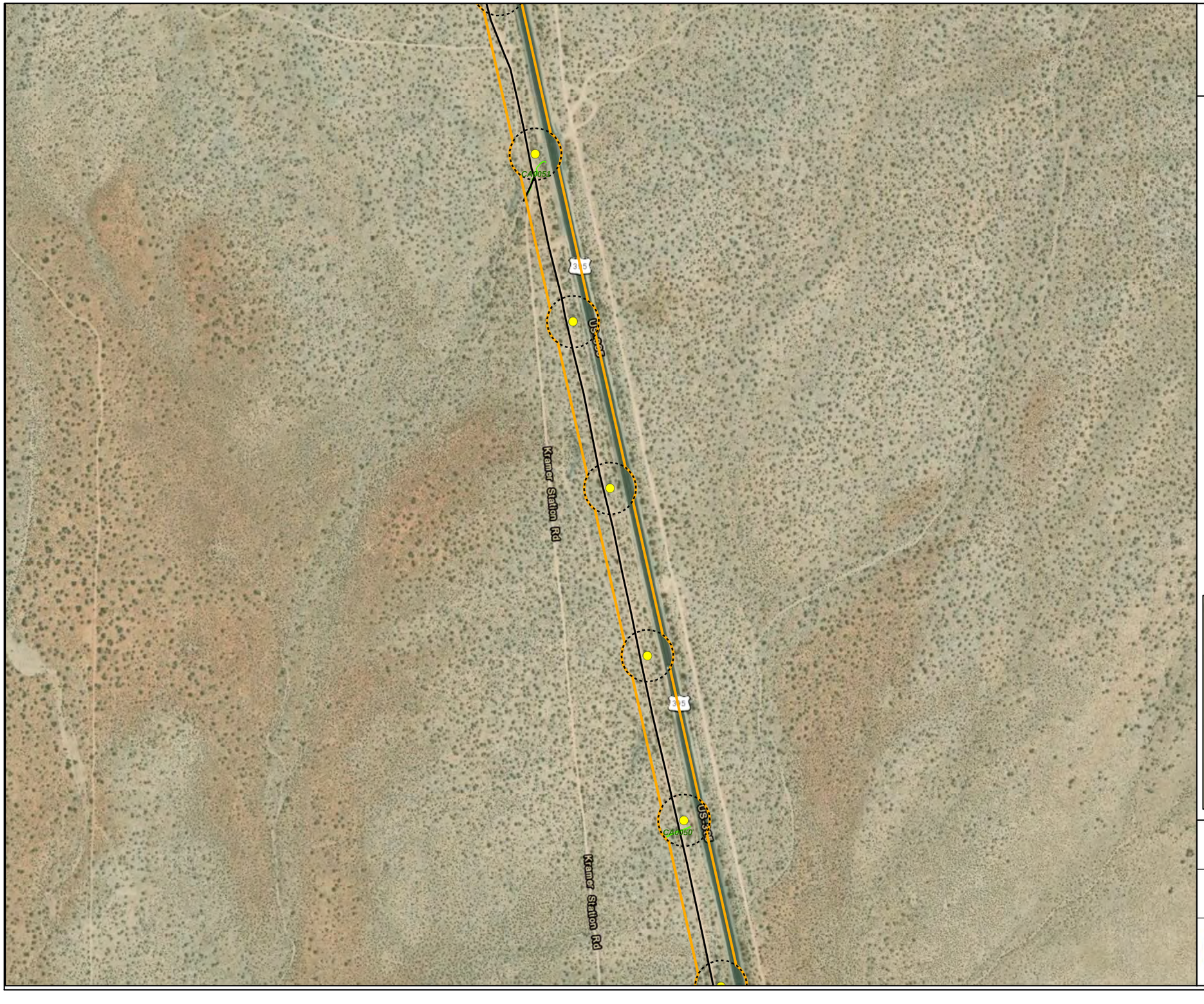

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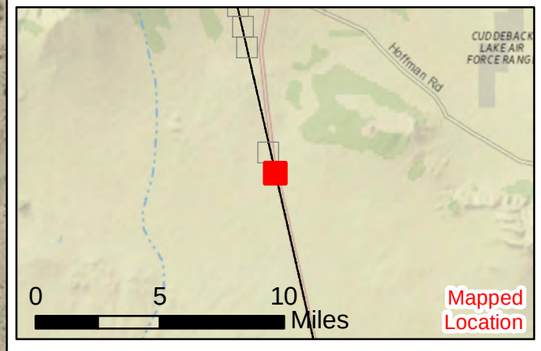

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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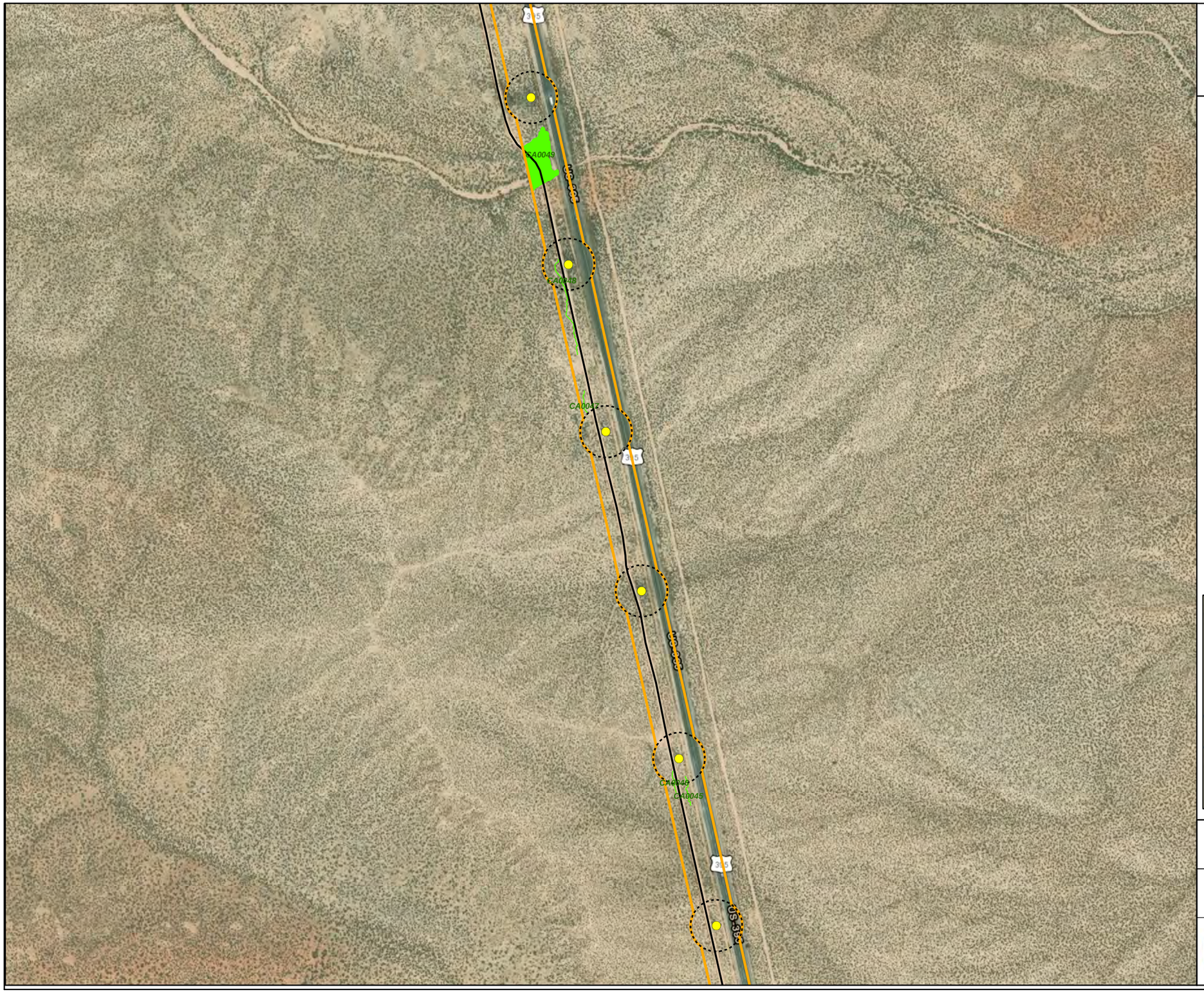
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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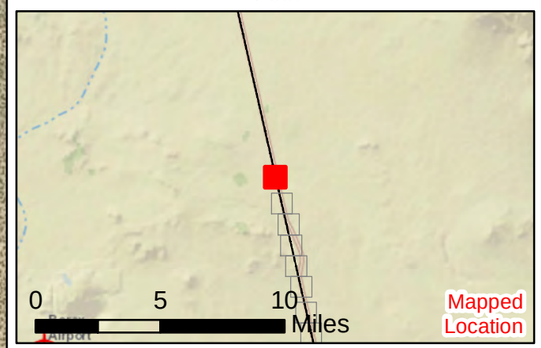
Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

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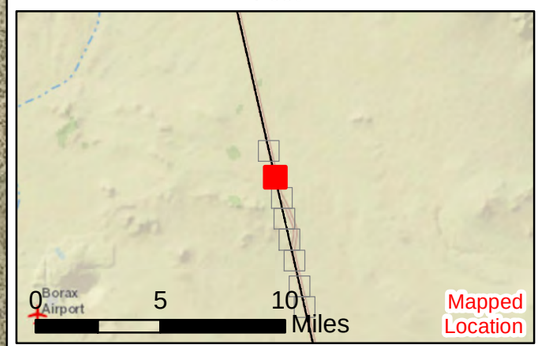
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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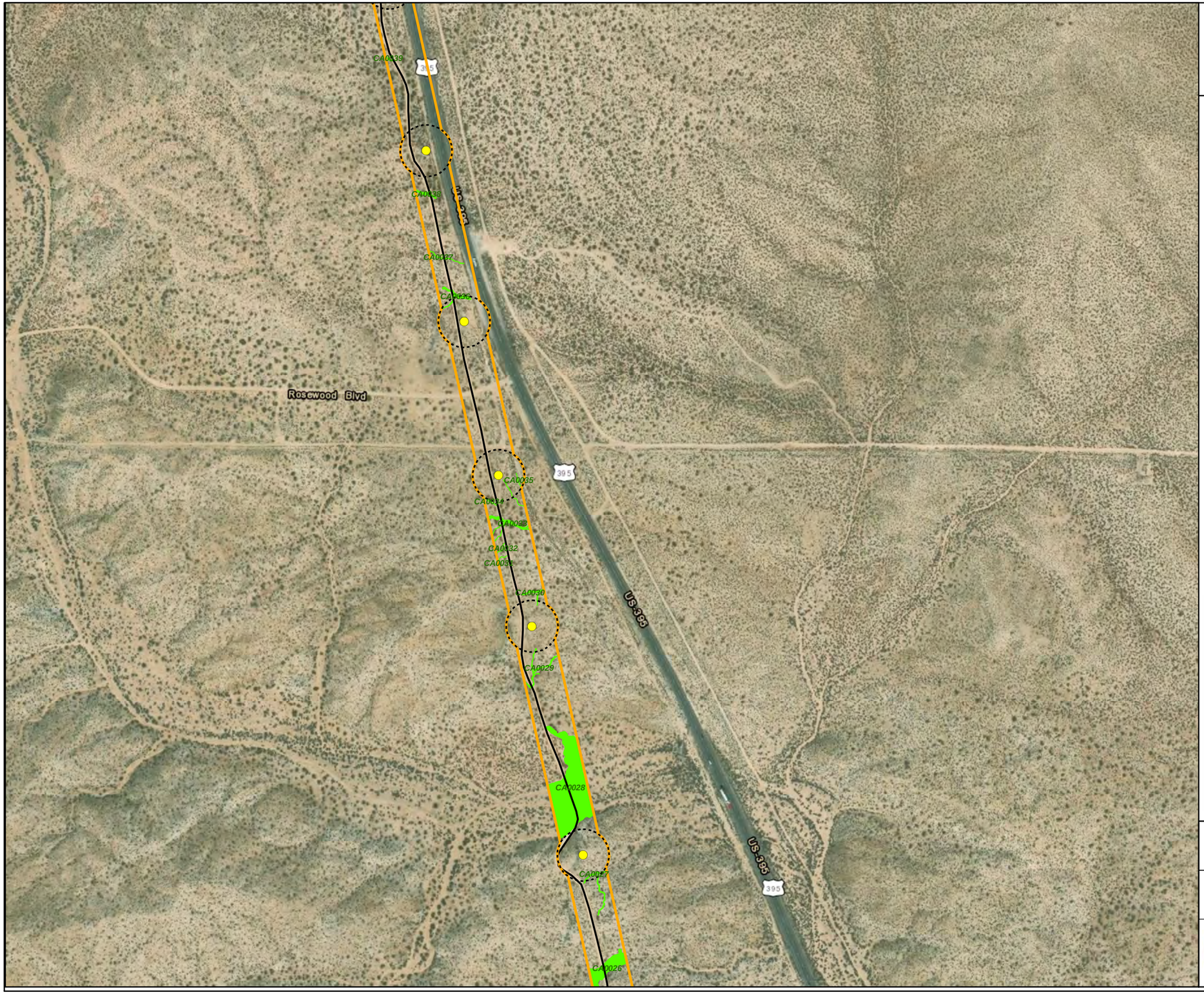

SOUTHERN CALIFORNIA EDISON
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Legend

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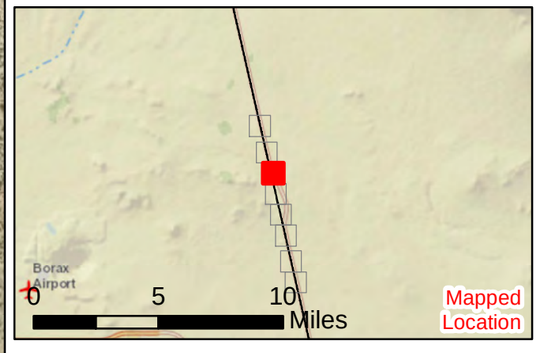
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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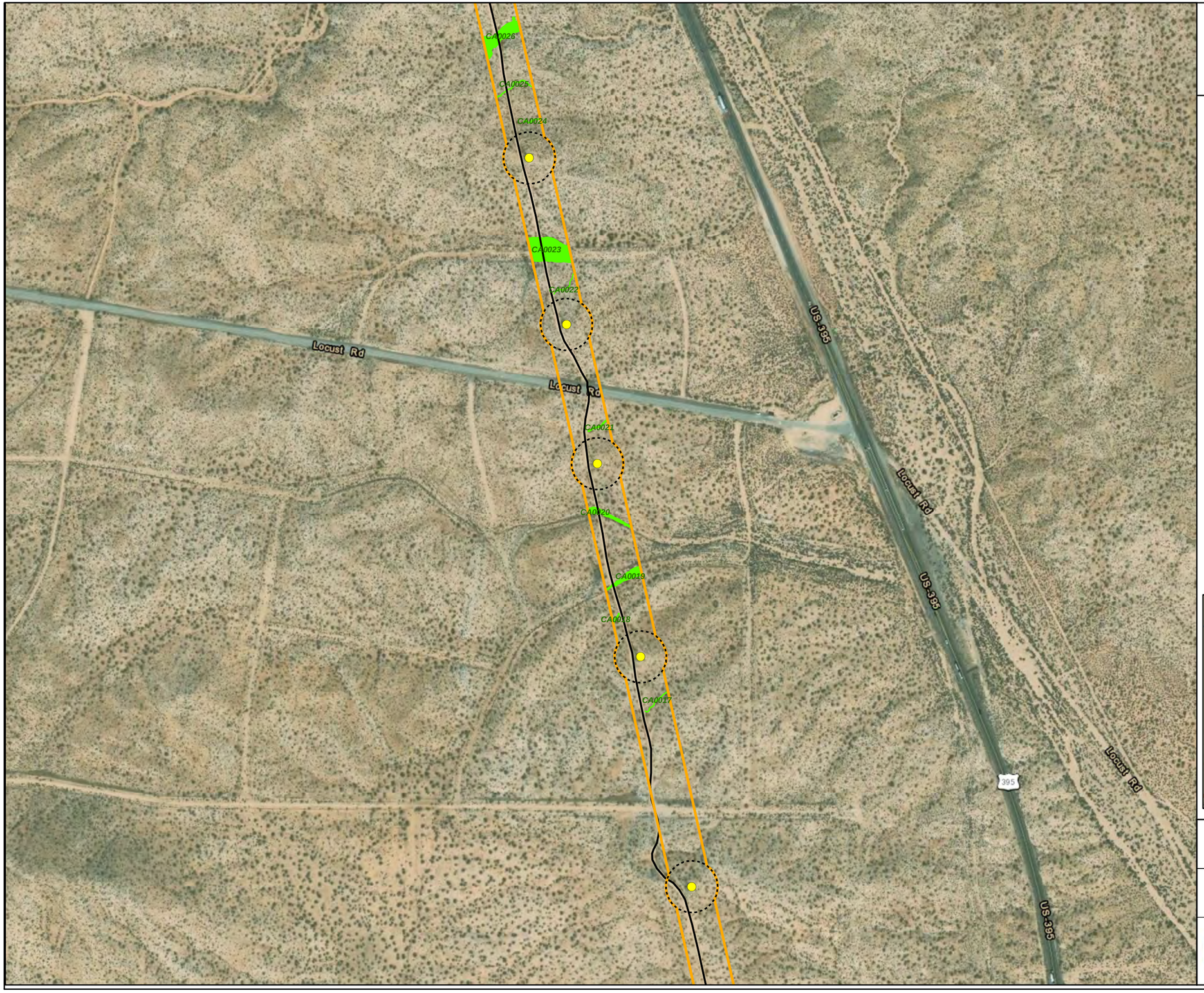

SOUTHERN CALIFORNIA EDISON
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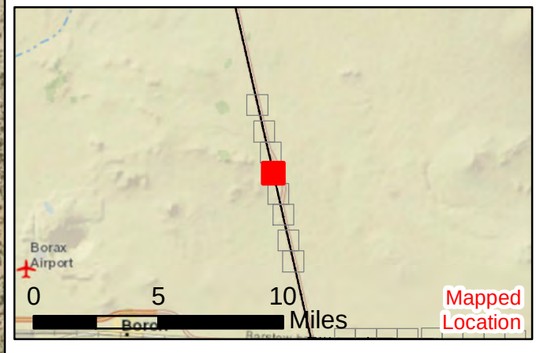

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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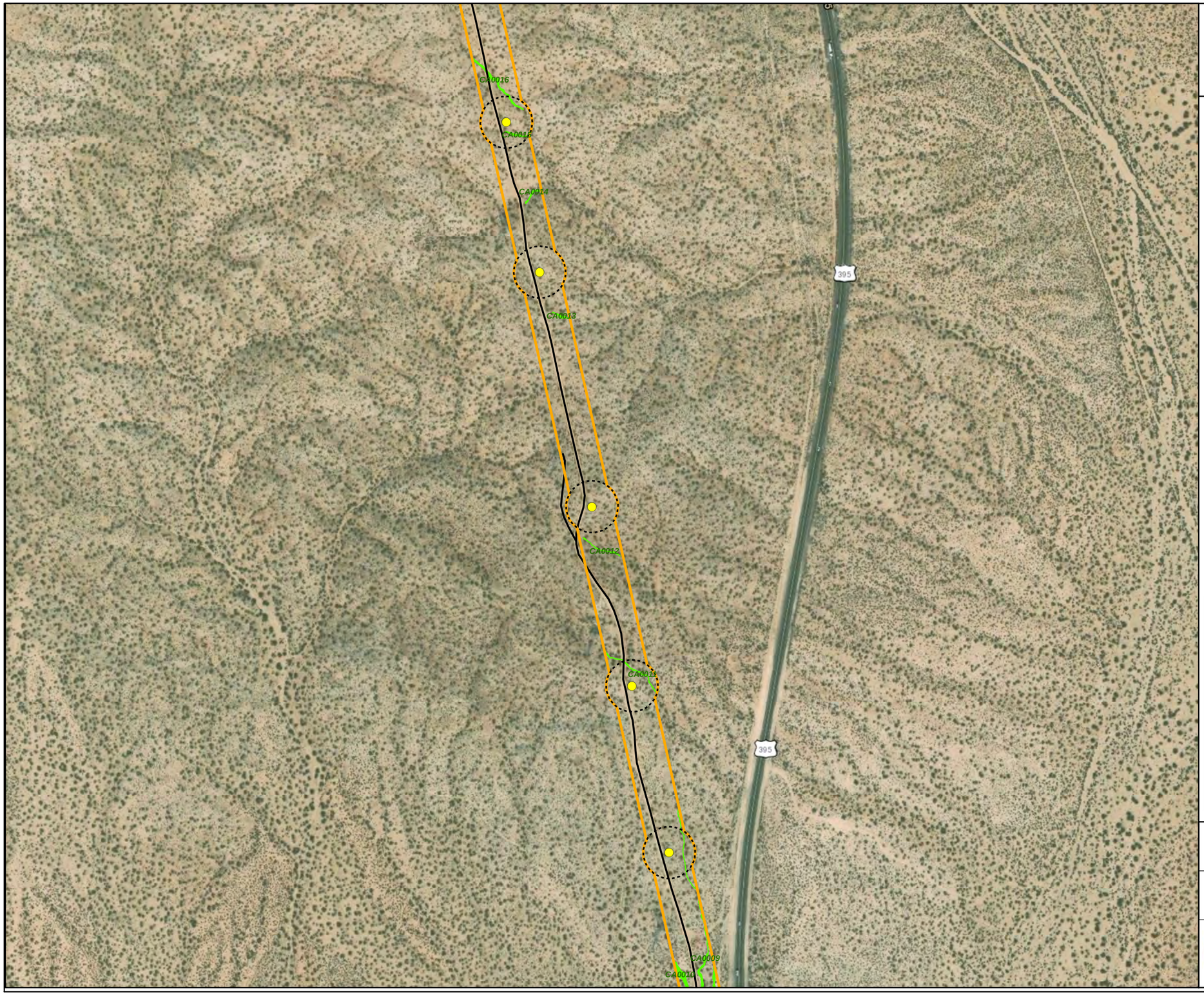

SOUTHERN CALIFORNIA EDISON
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0 500 1,000
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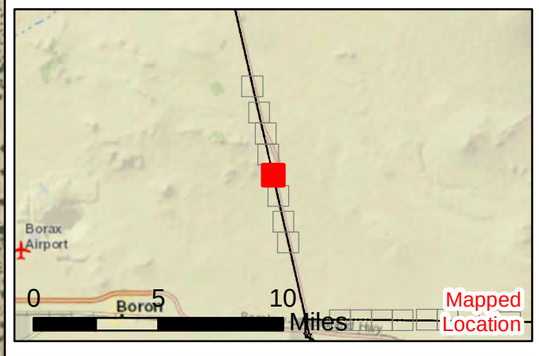

Transmission Line Rating
Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern
Jurisdictional Delineation

ARCADIS

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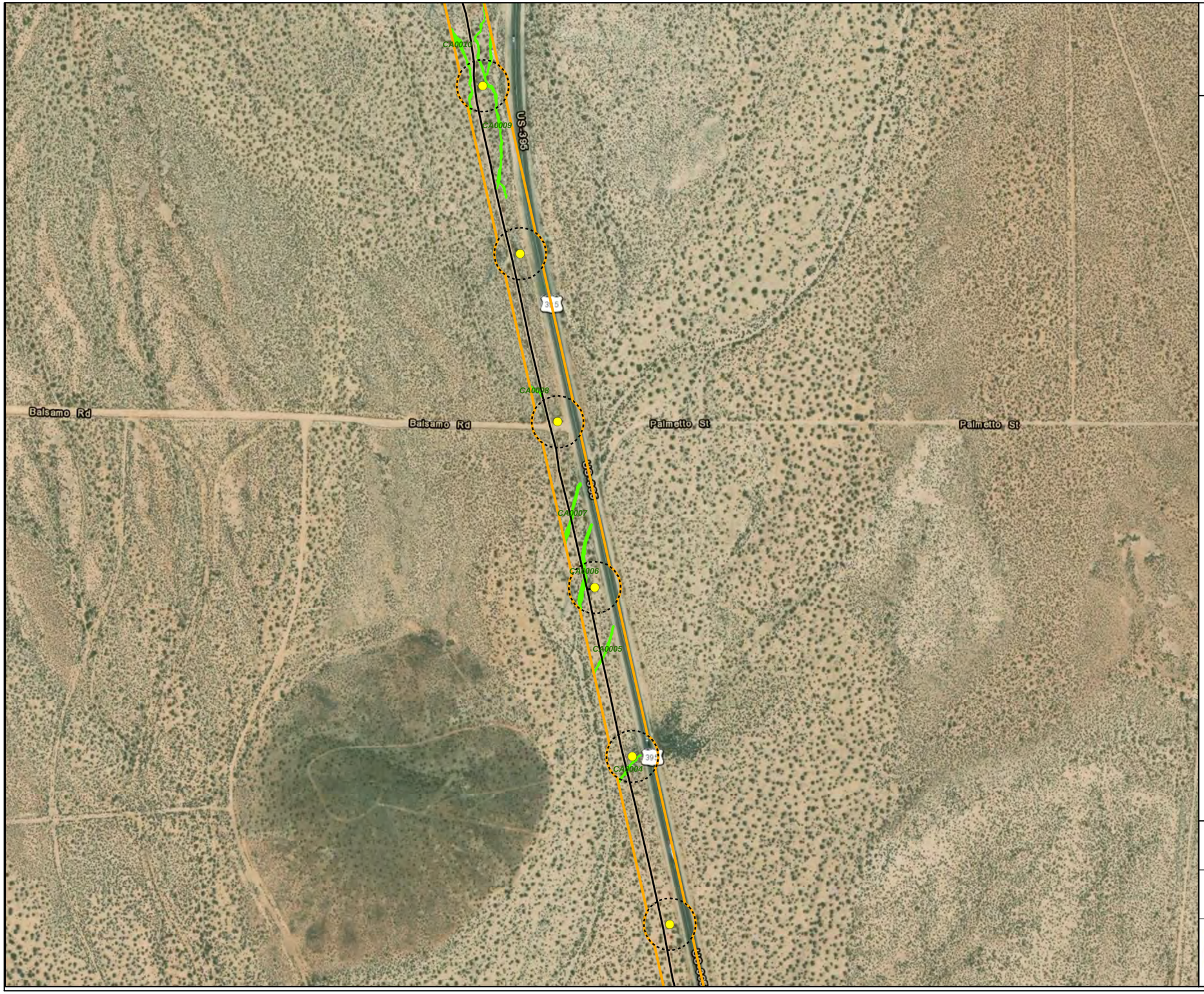

SOUTHERN CALIFORNIA EDISON
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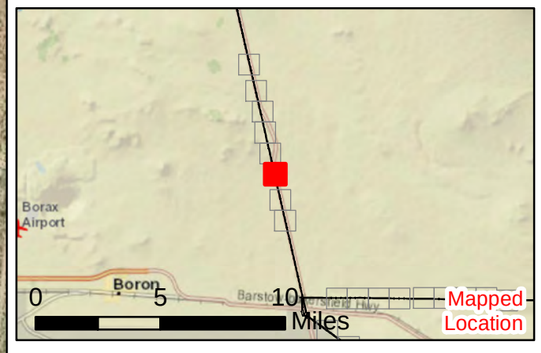
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Coordinate System: NAD 1983 UTM Zone 11N

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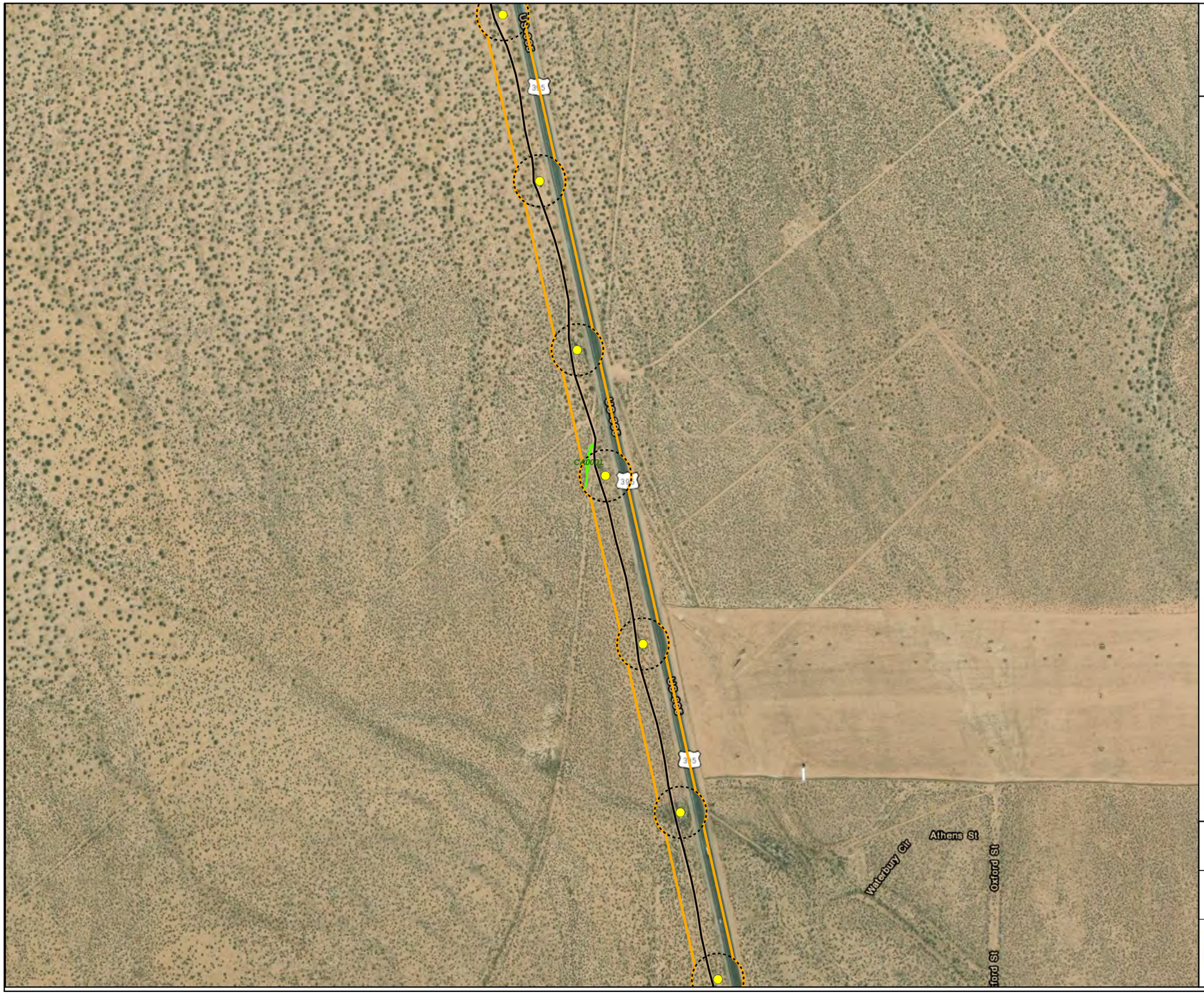

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Legend

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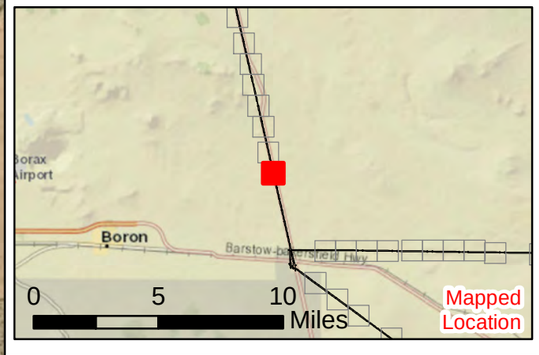
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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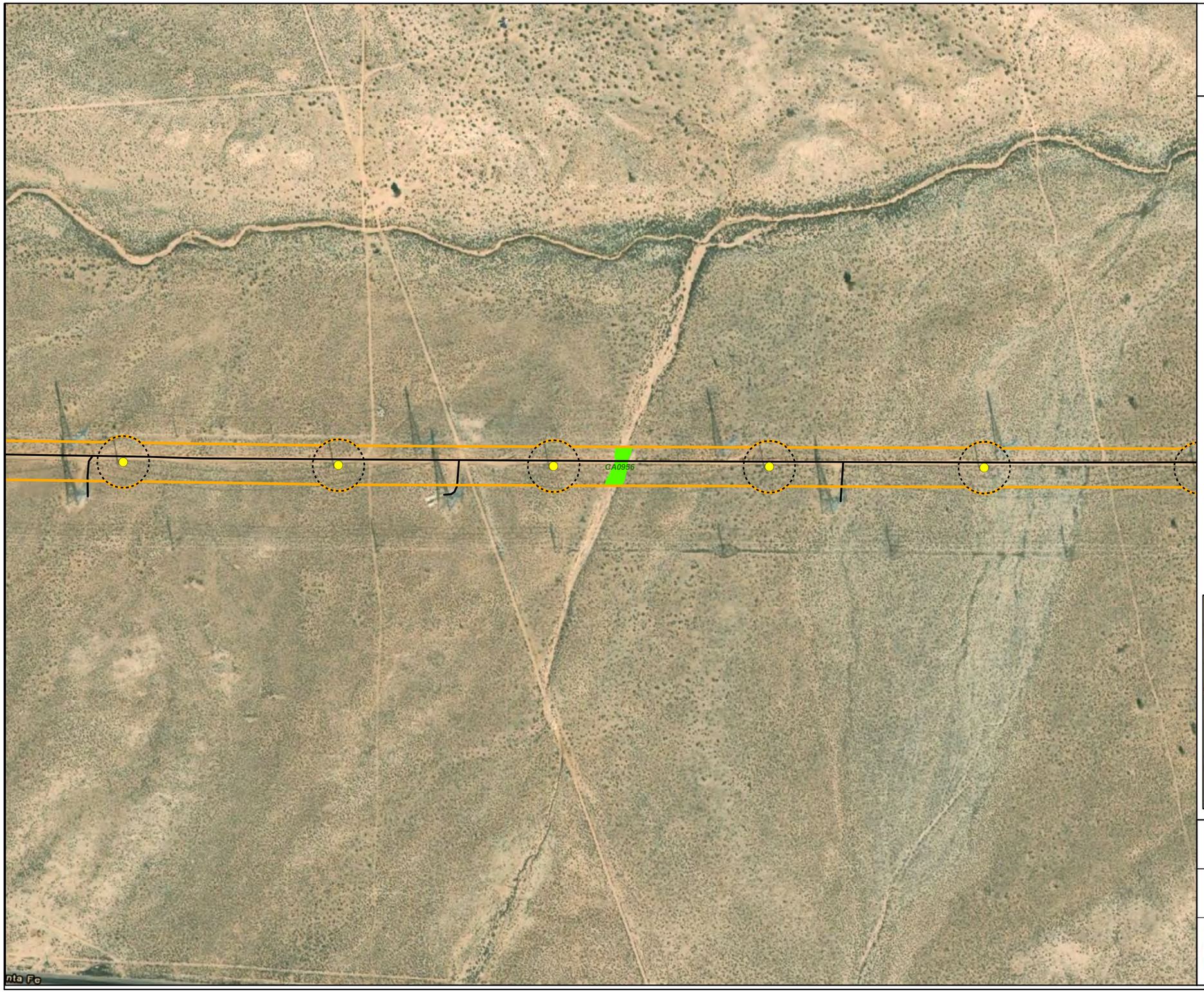

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Legend

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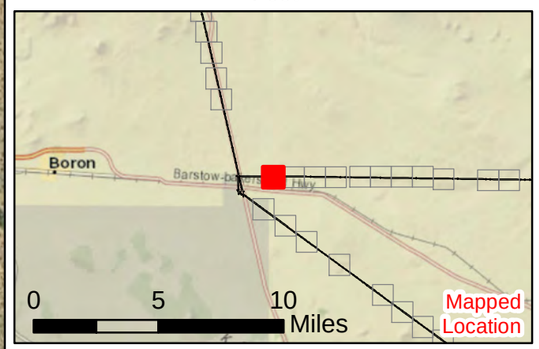

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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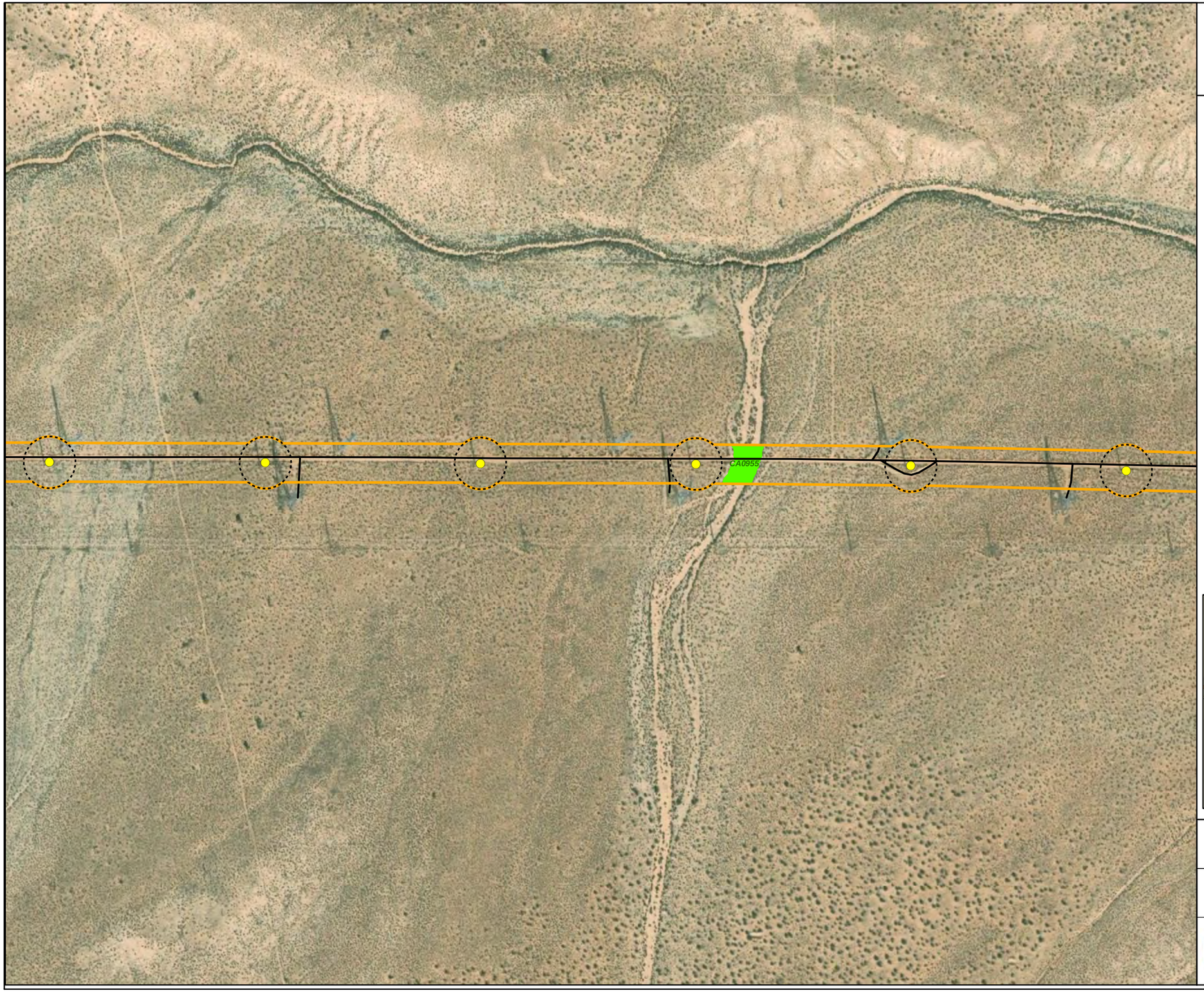

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Legend

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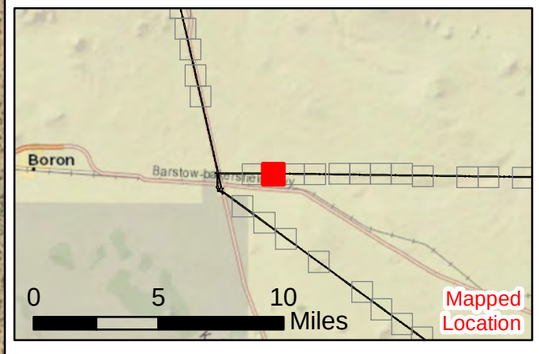

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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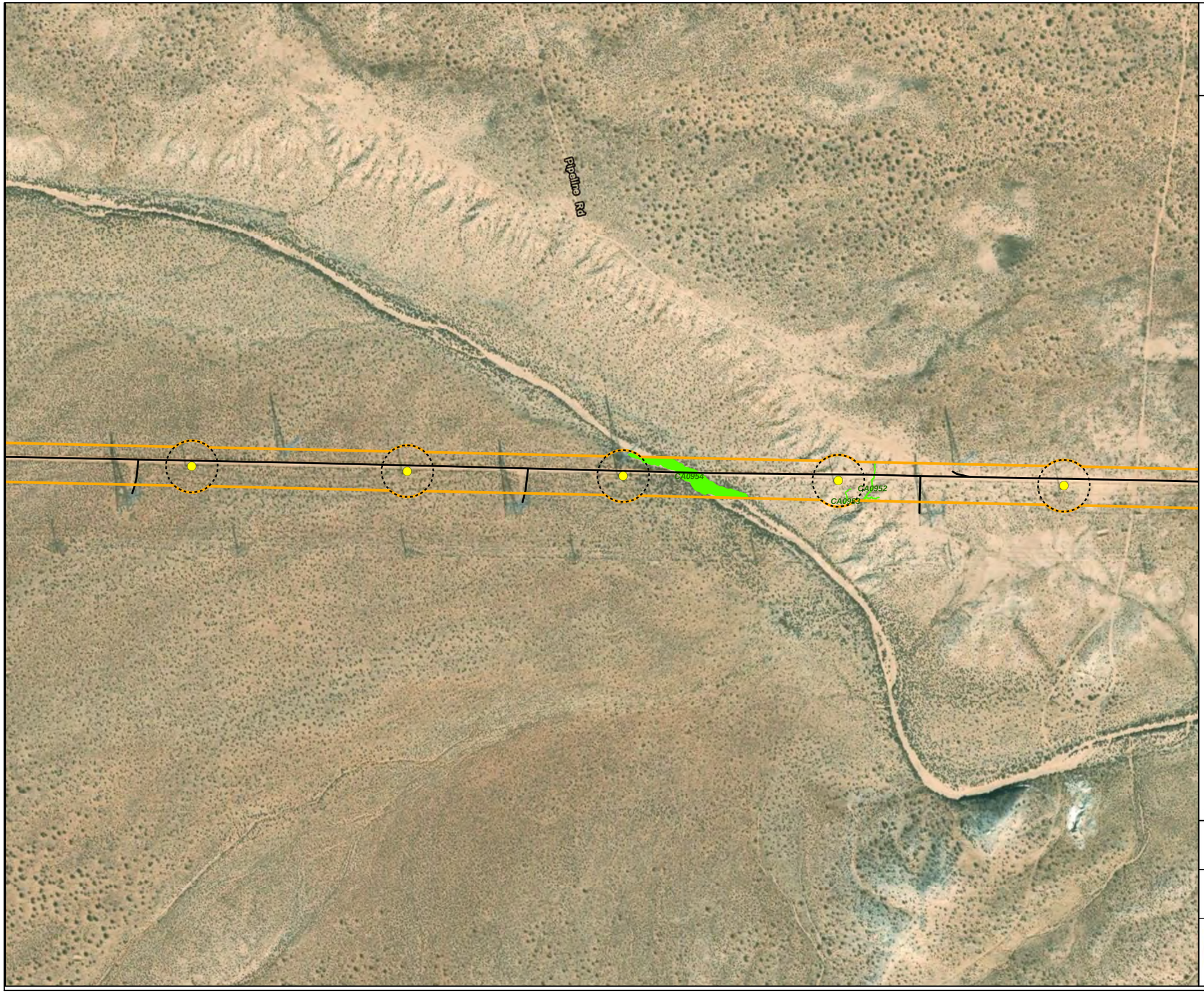

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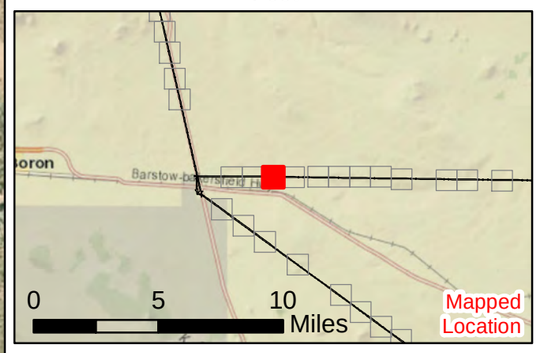

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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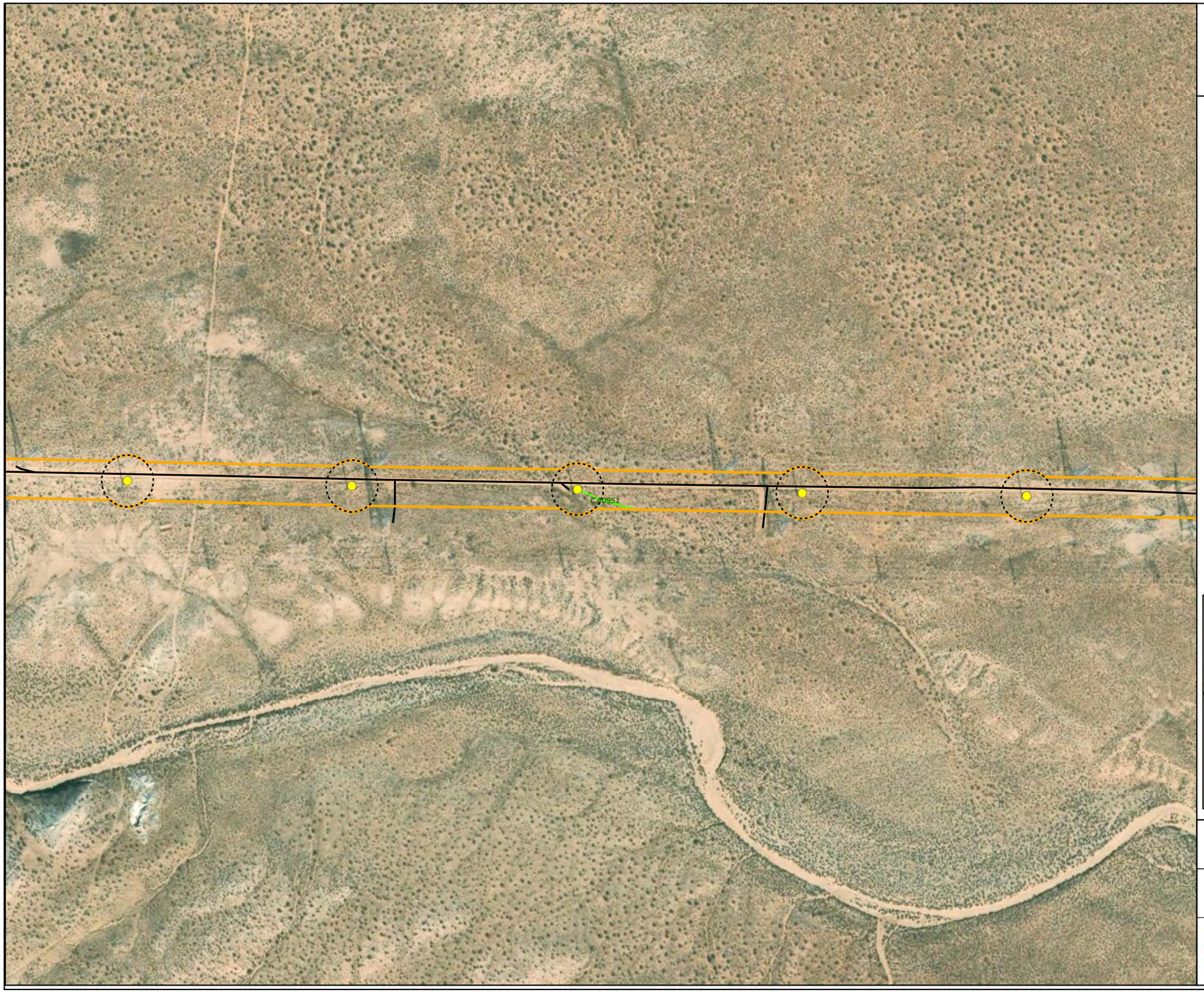

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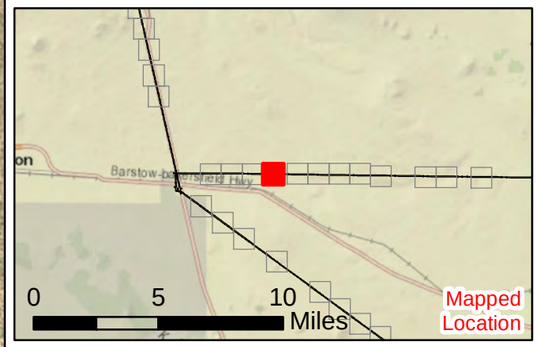

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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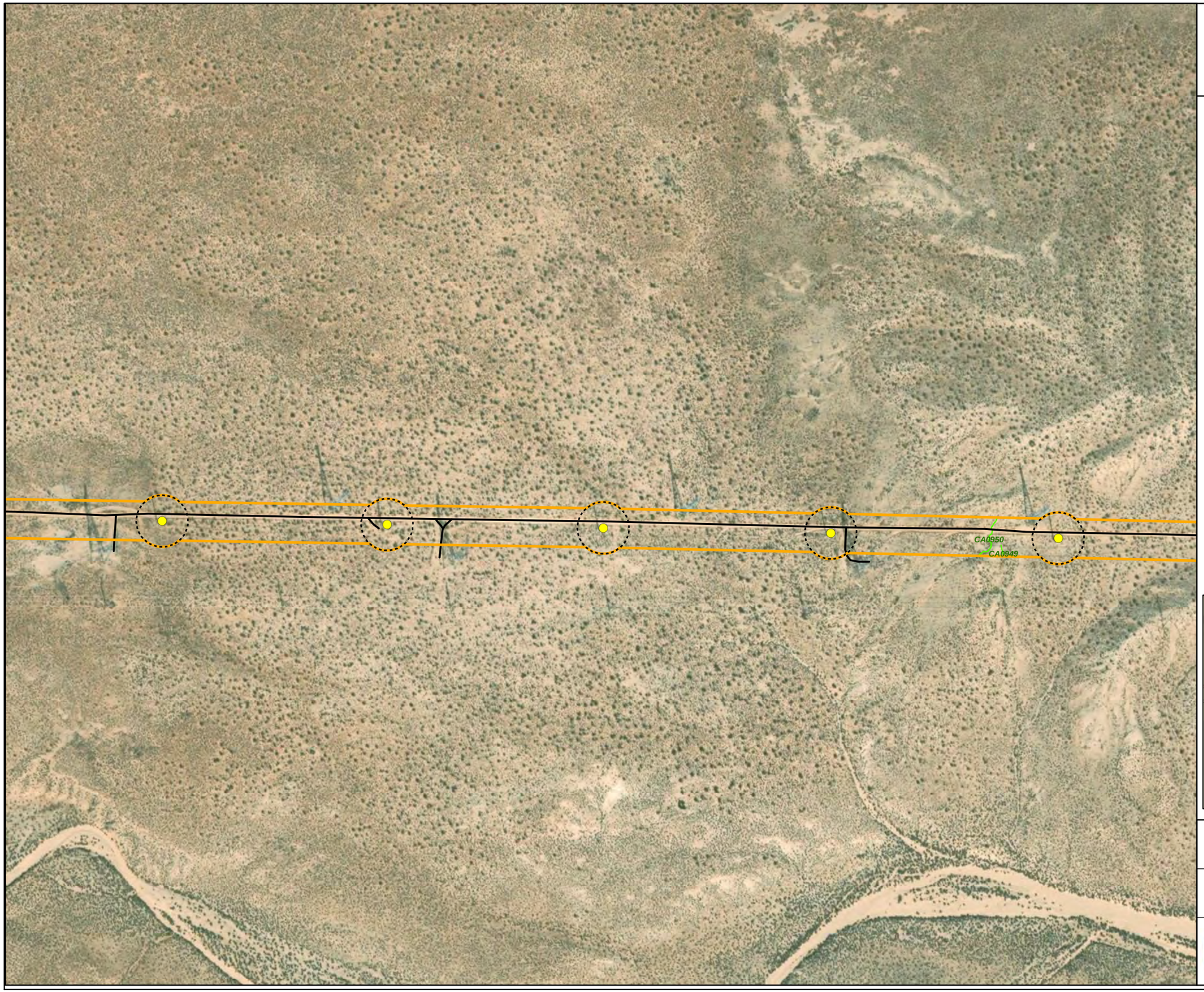

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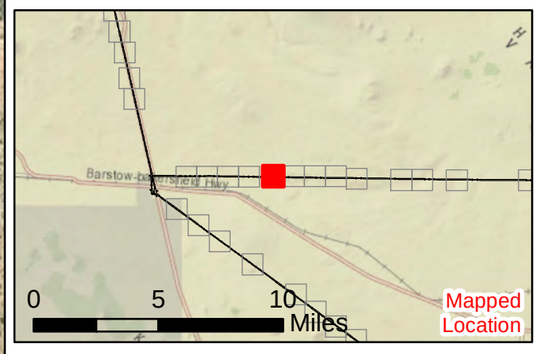

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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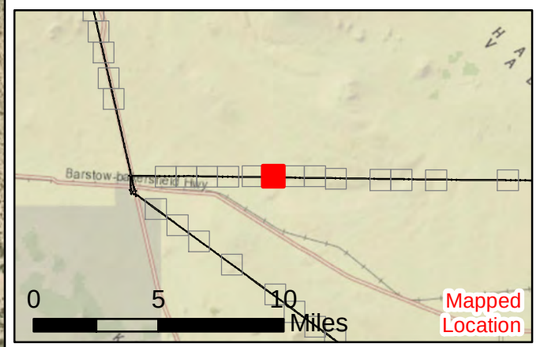

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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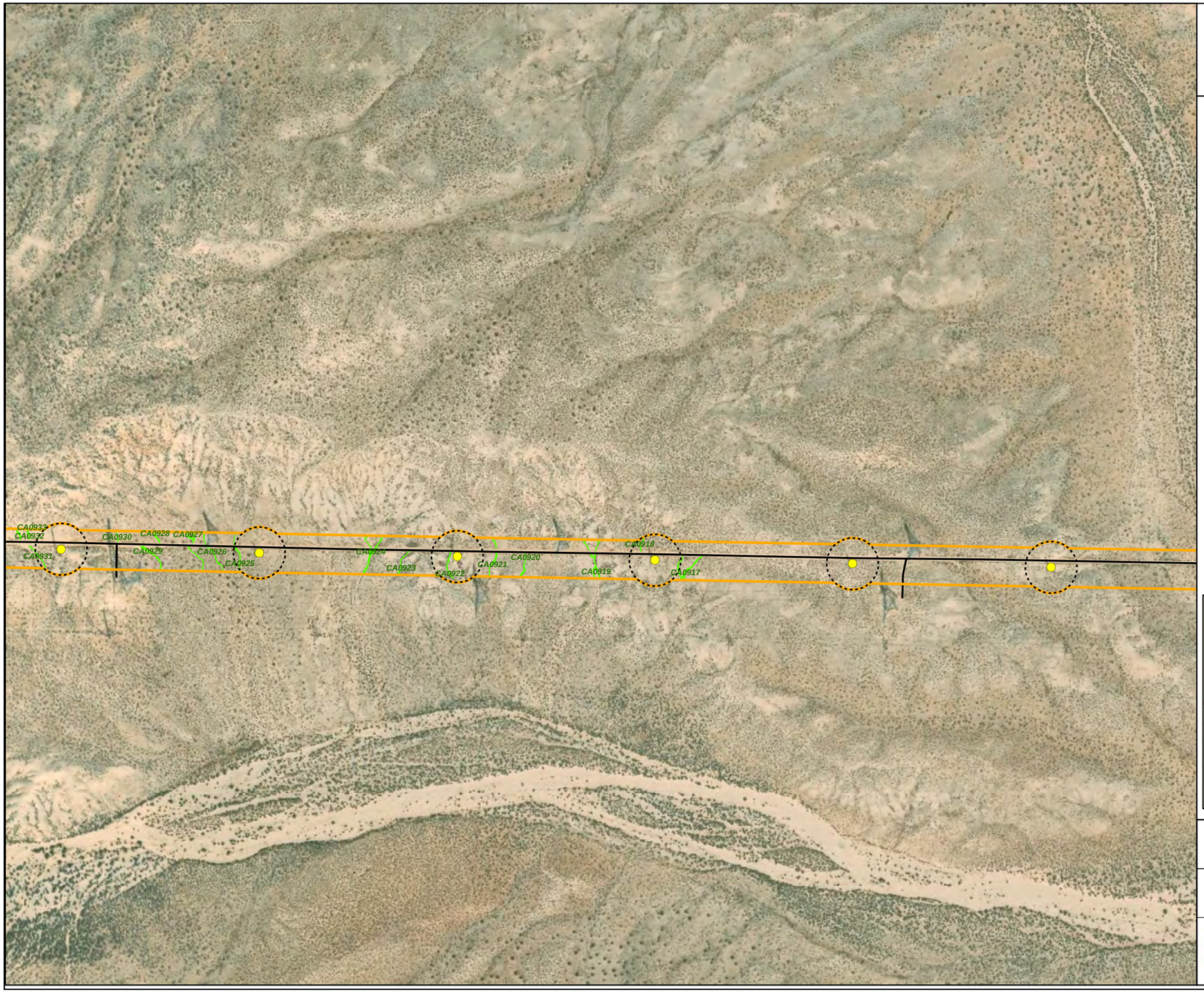

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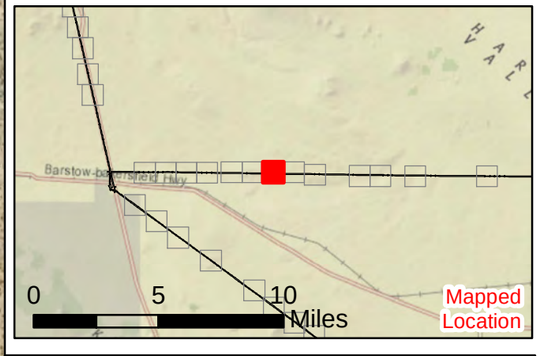

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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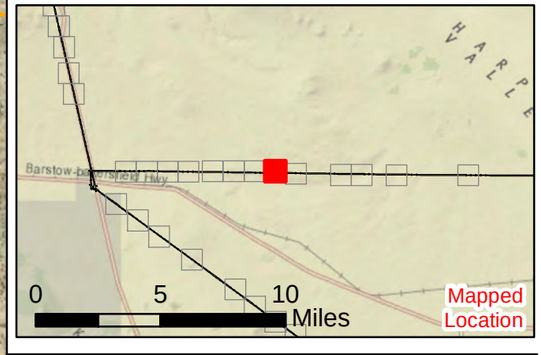

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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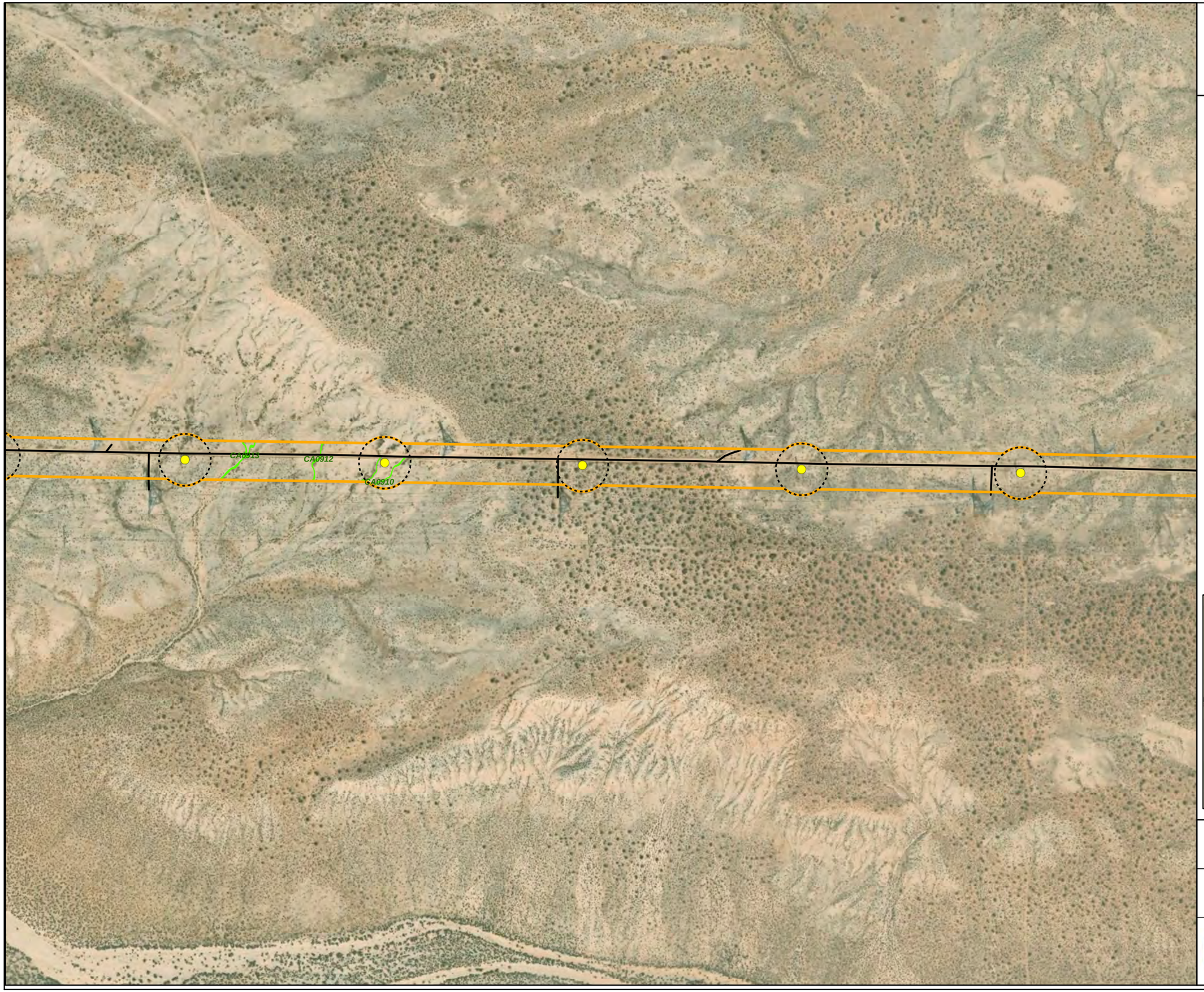

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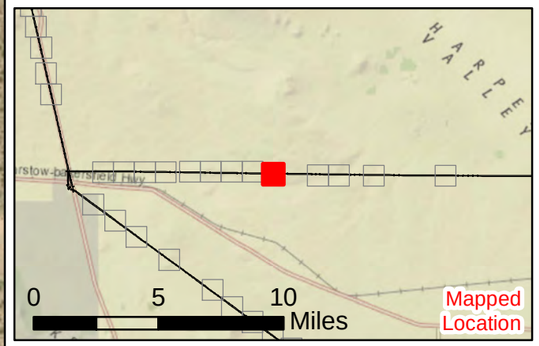

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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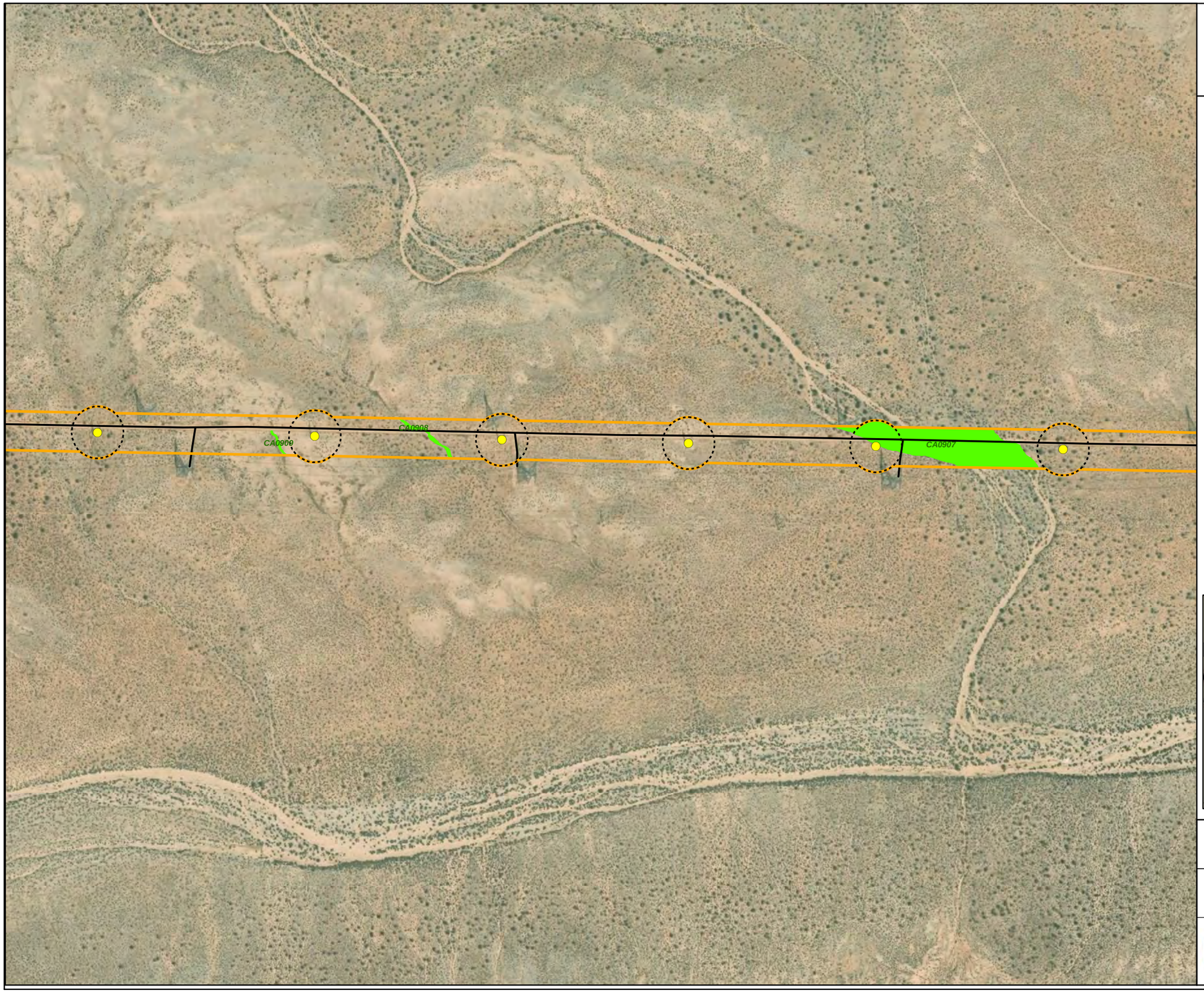

SOUTHERN CALIFORNIA EDISON
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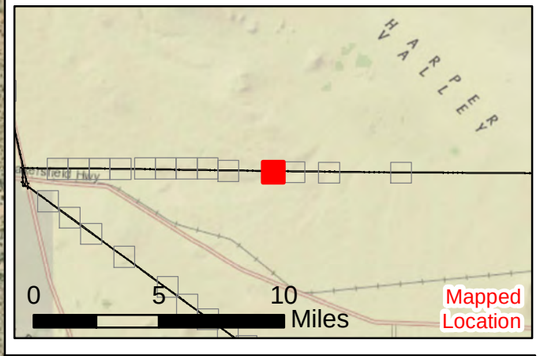
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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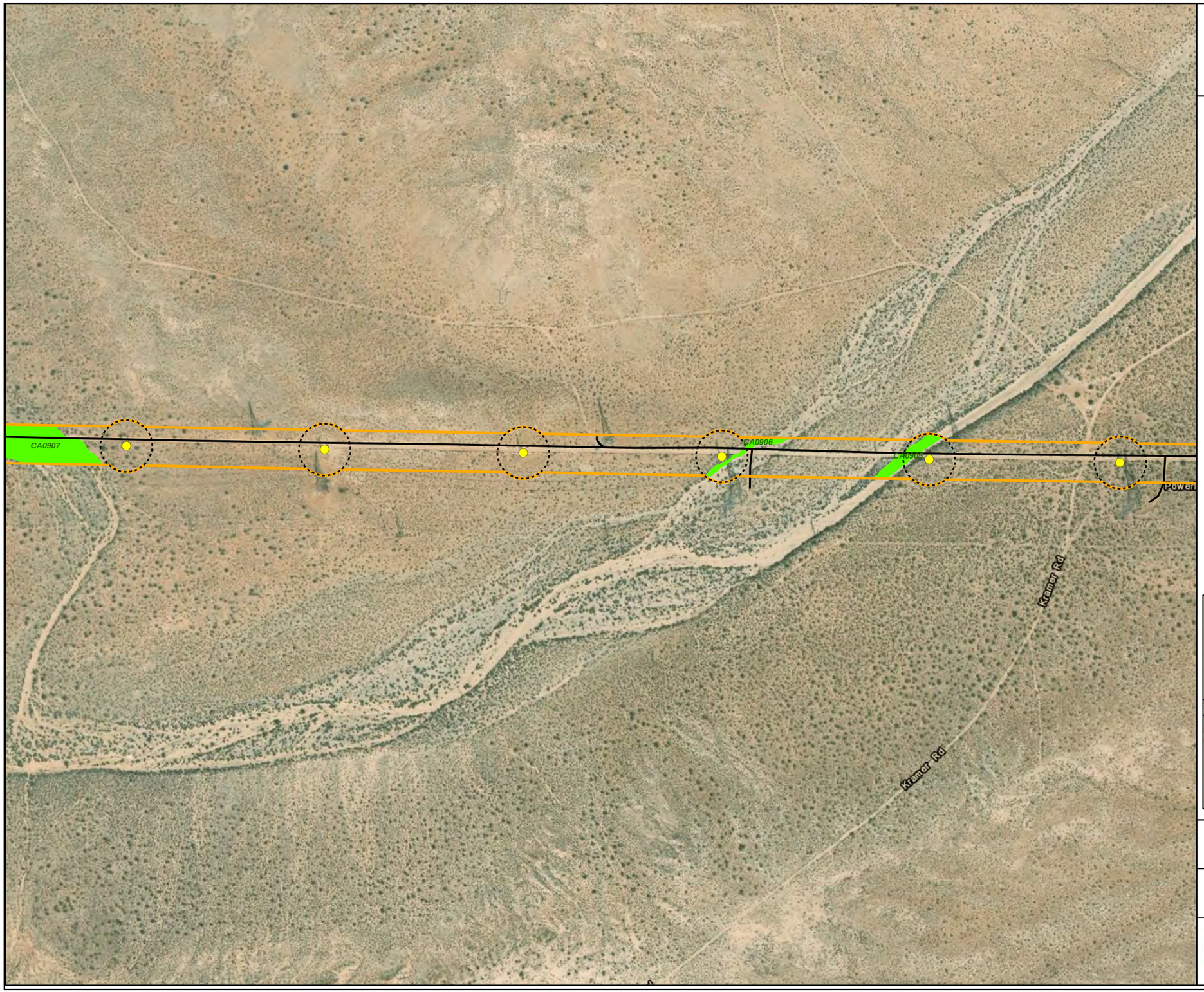
Coordinate System: NAD 1983 UTM Zone 11N

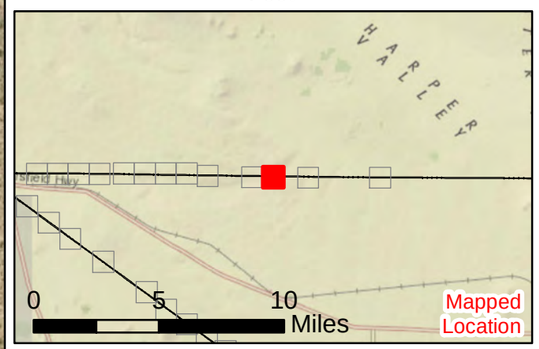


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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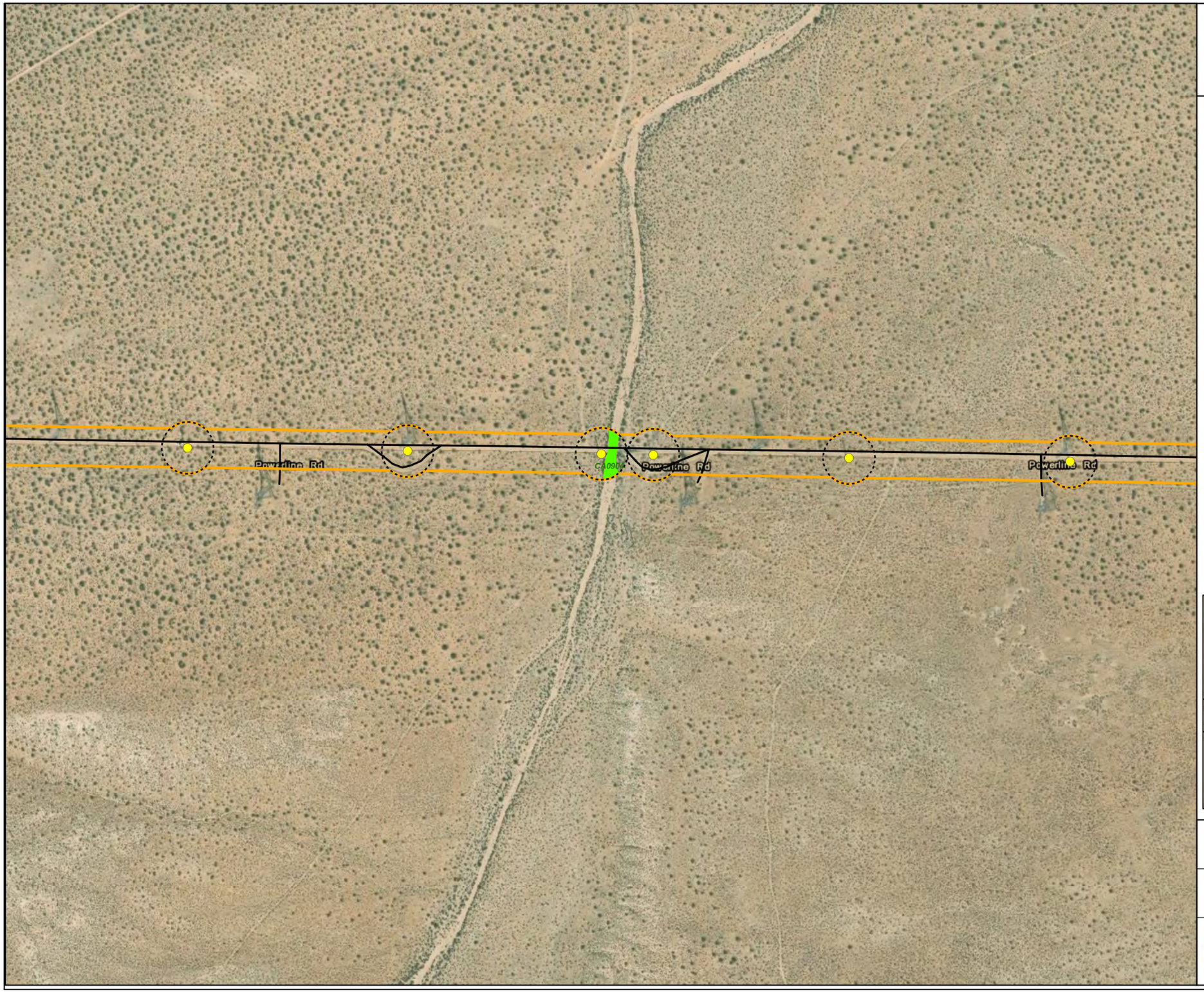

SOUTHERN CALIFORNIA EDISON
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Legend

- Photo Locations
- Existing Structure Location
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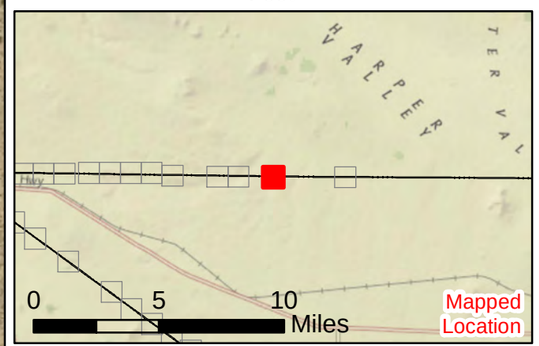
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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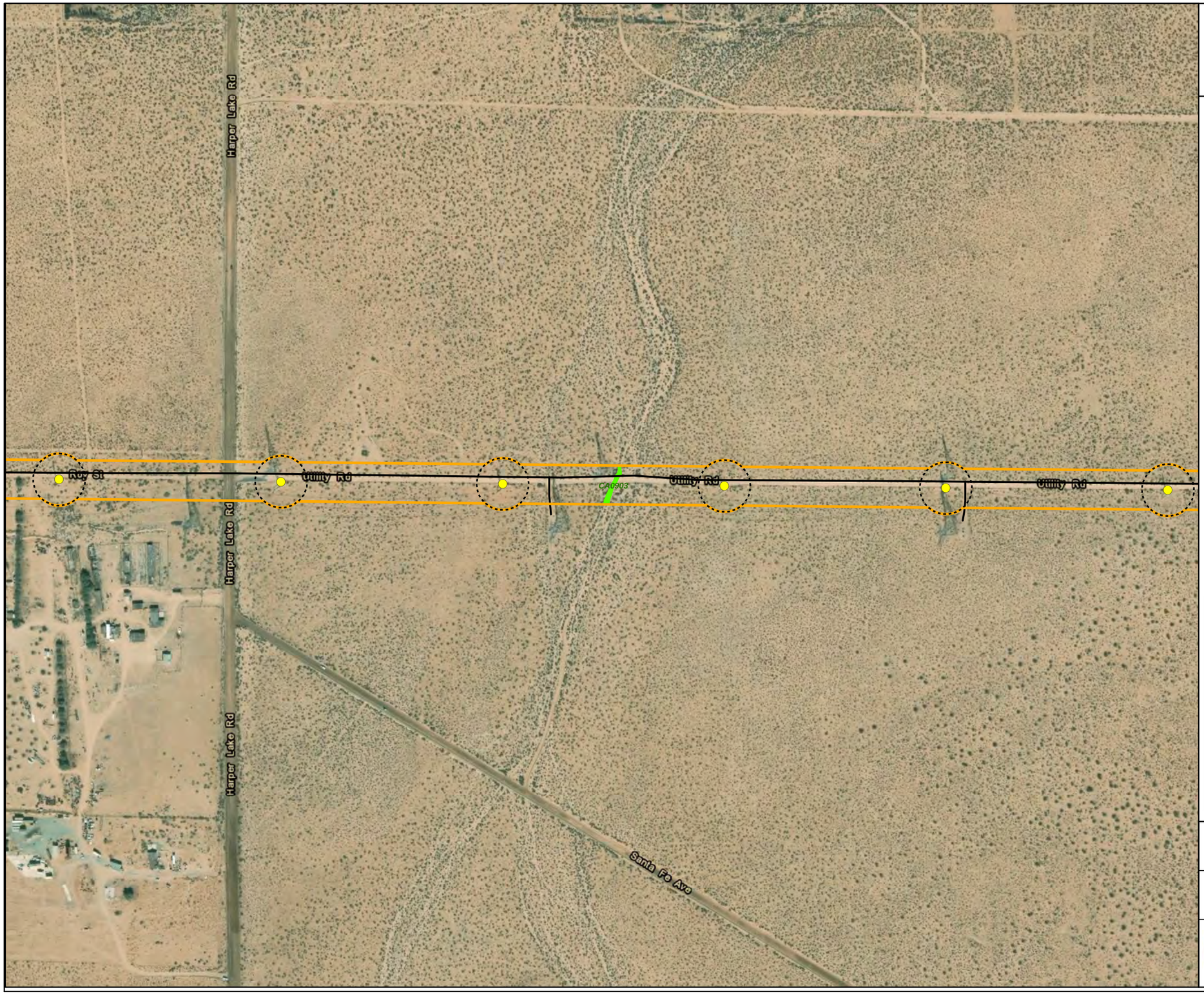

SOUTHERN CALIFORNIA EDISON
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Legend

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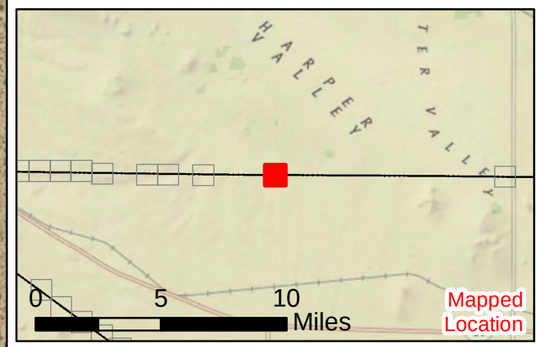
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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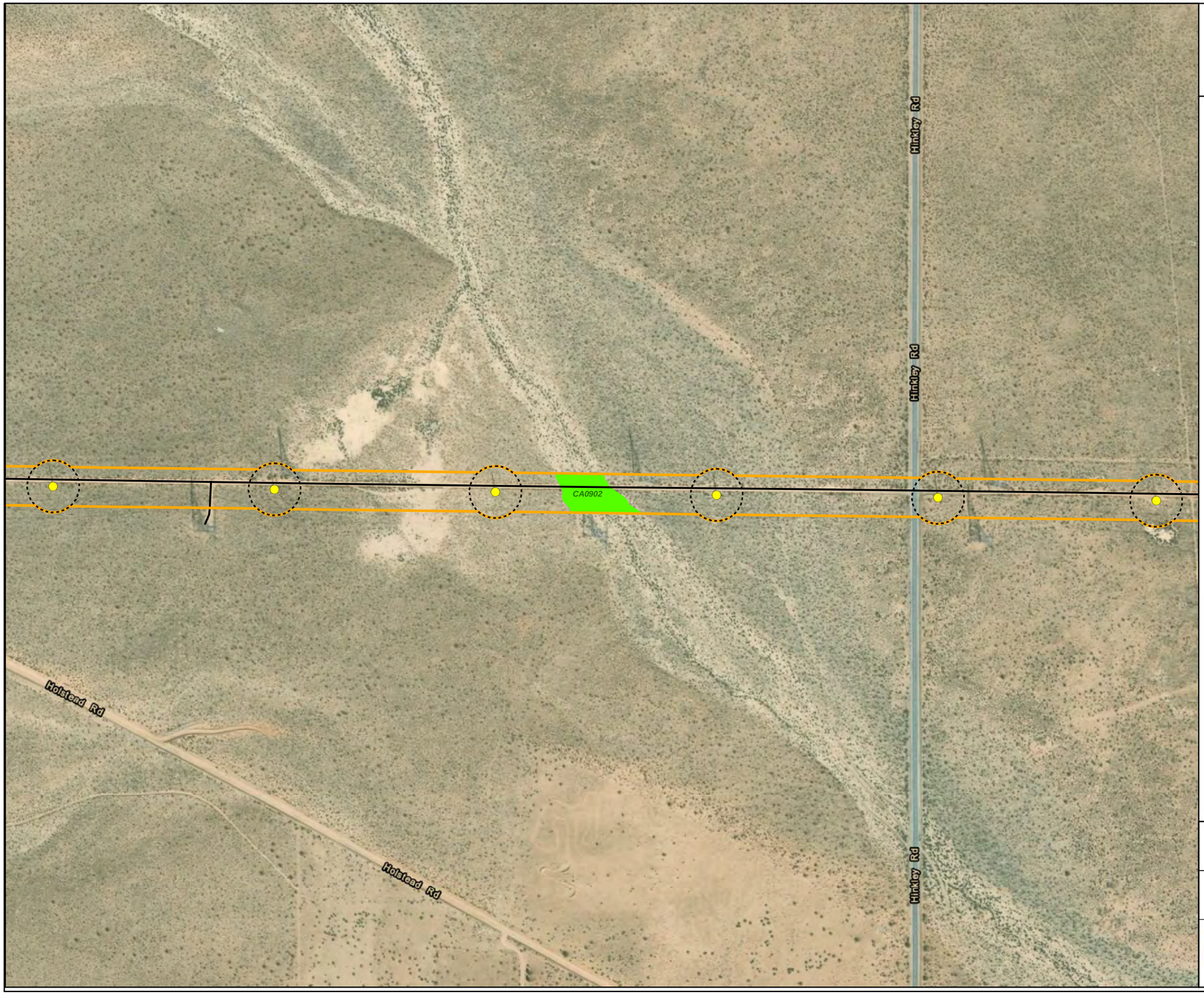
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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Legend

- Photo Locations
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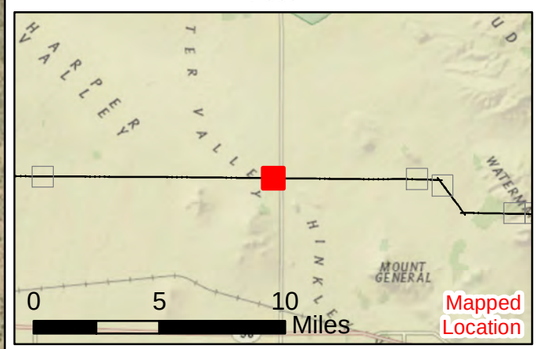
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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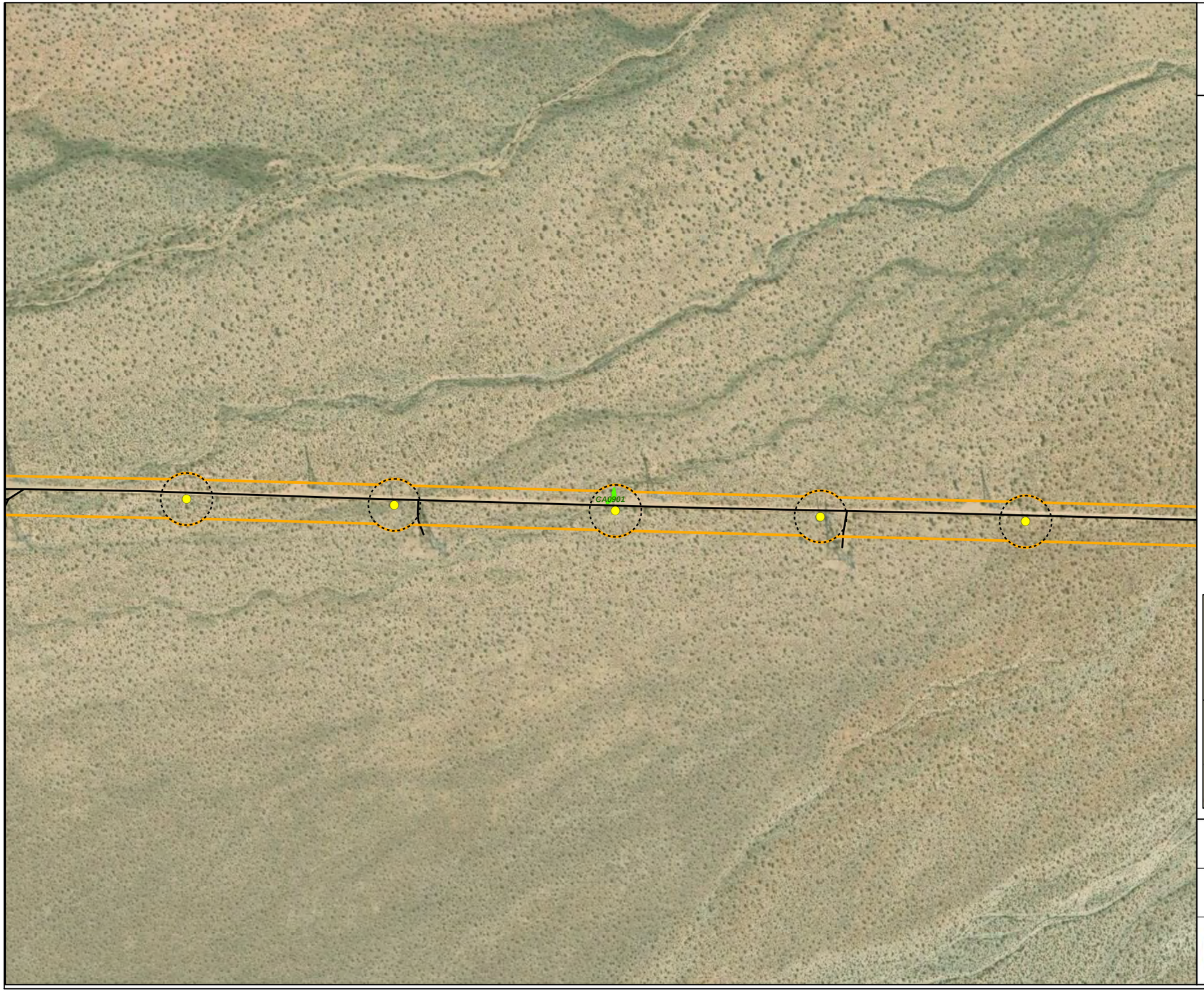
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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Legend

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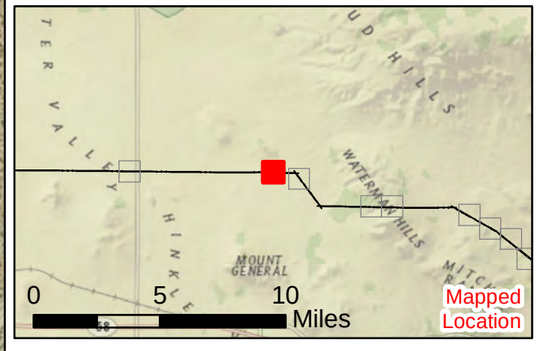
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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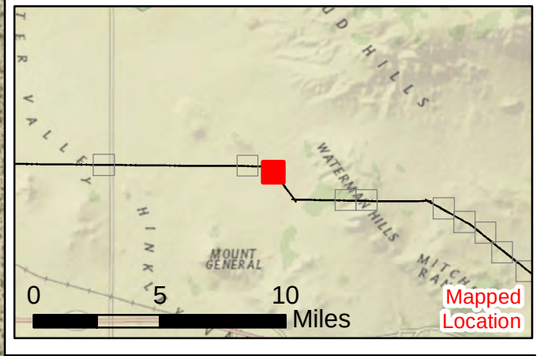
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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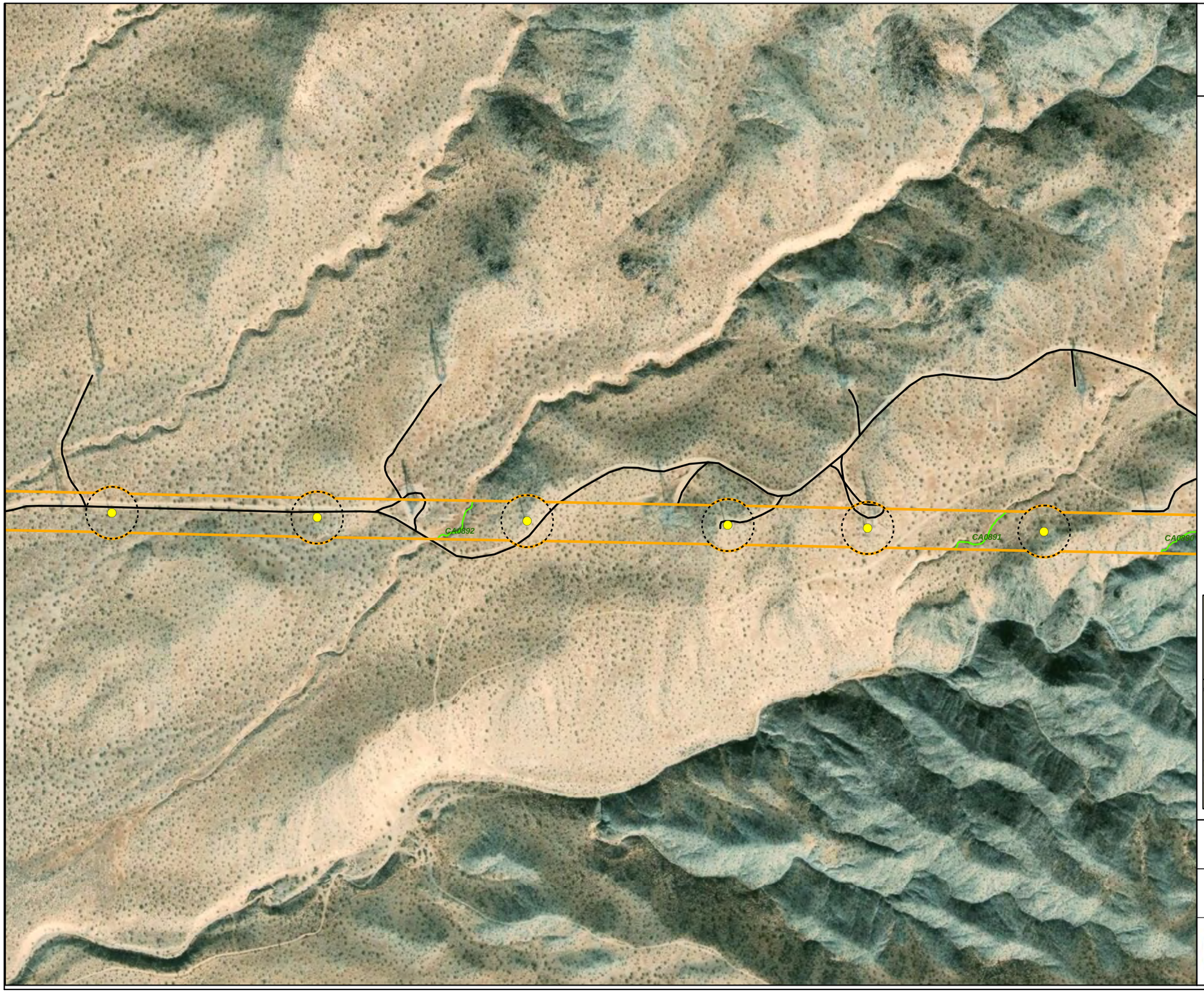

SOUTHERN CALIFORNIA EDISON
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Legend

- Photo Locations
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0 490 980
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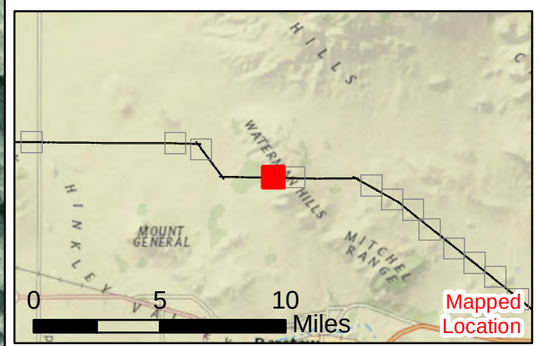

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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Legend

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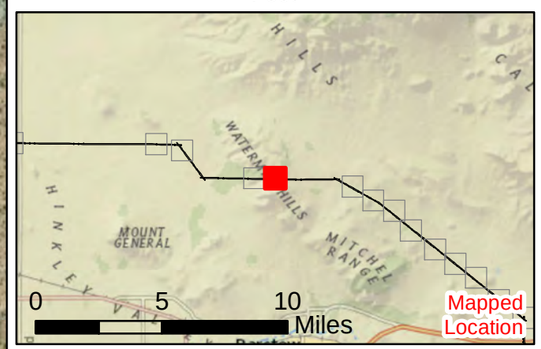

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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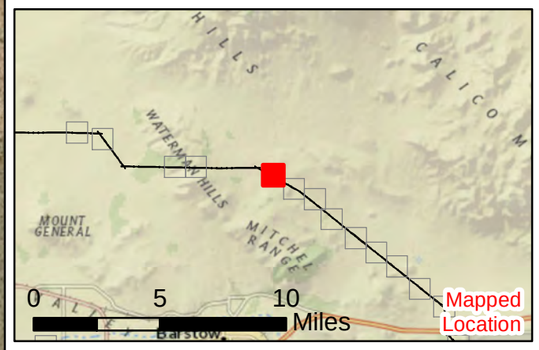

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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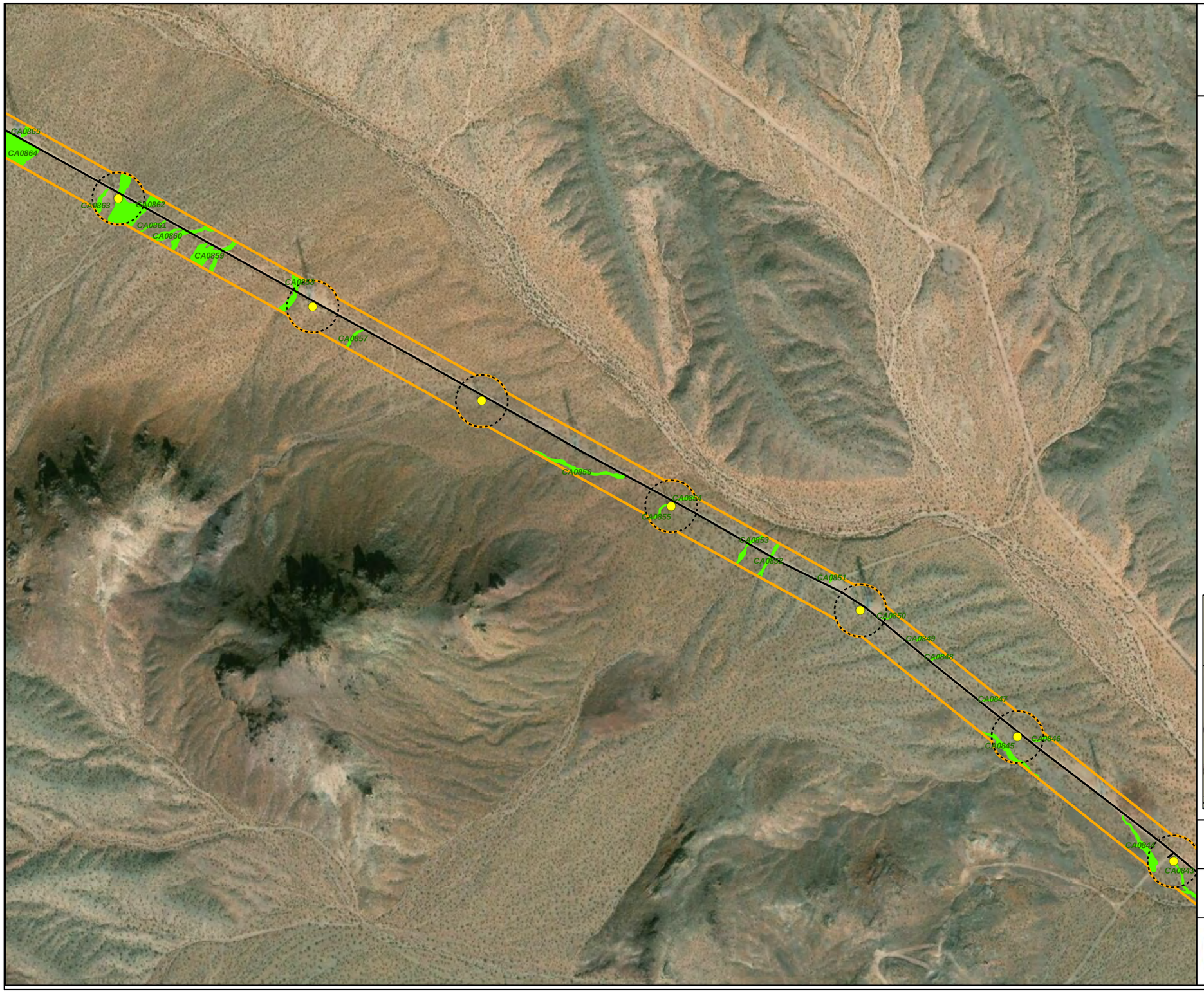

SOUTHERN CALIFORNIA EDISON
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Legend

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- Survey Area
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0 490 980
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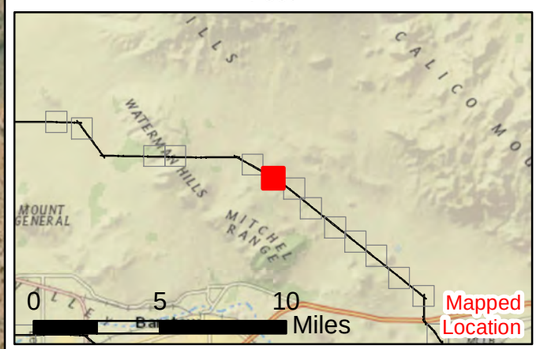

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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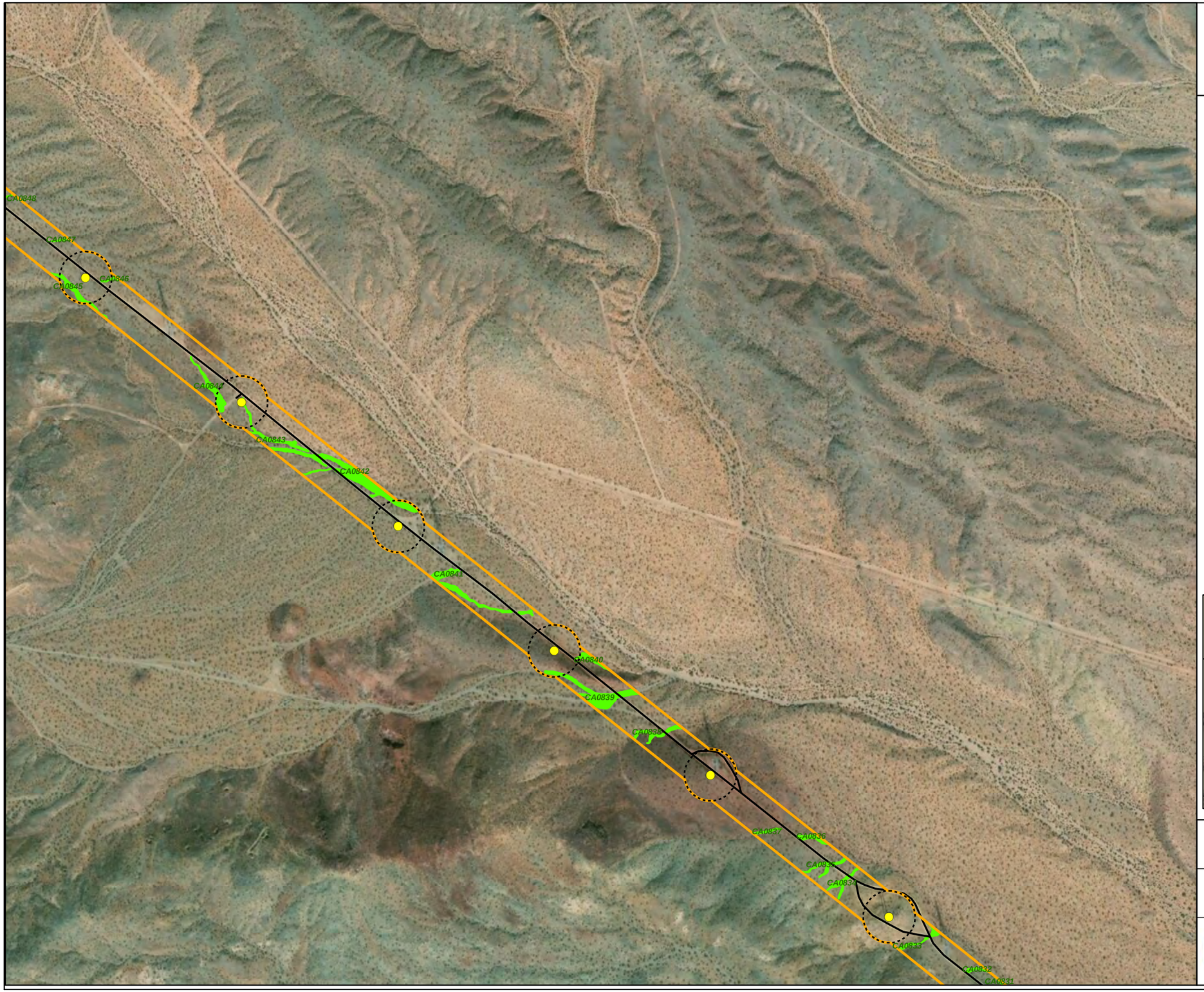

SOUTHERN CALIFORNIA EDISON
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Legend

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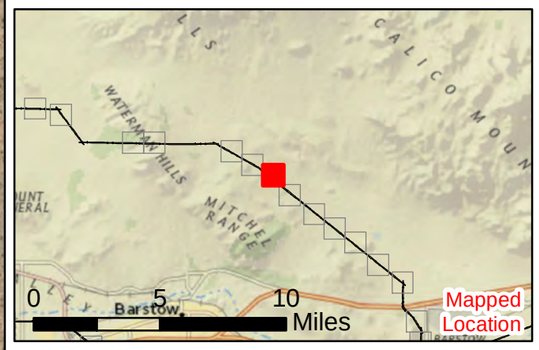

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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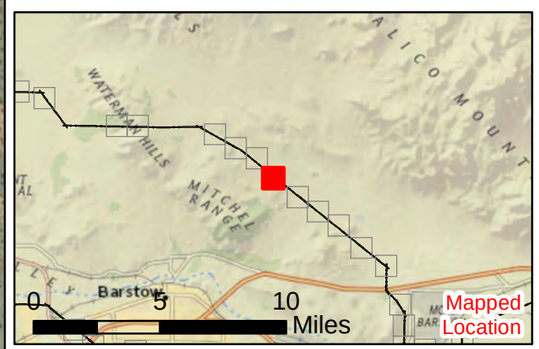

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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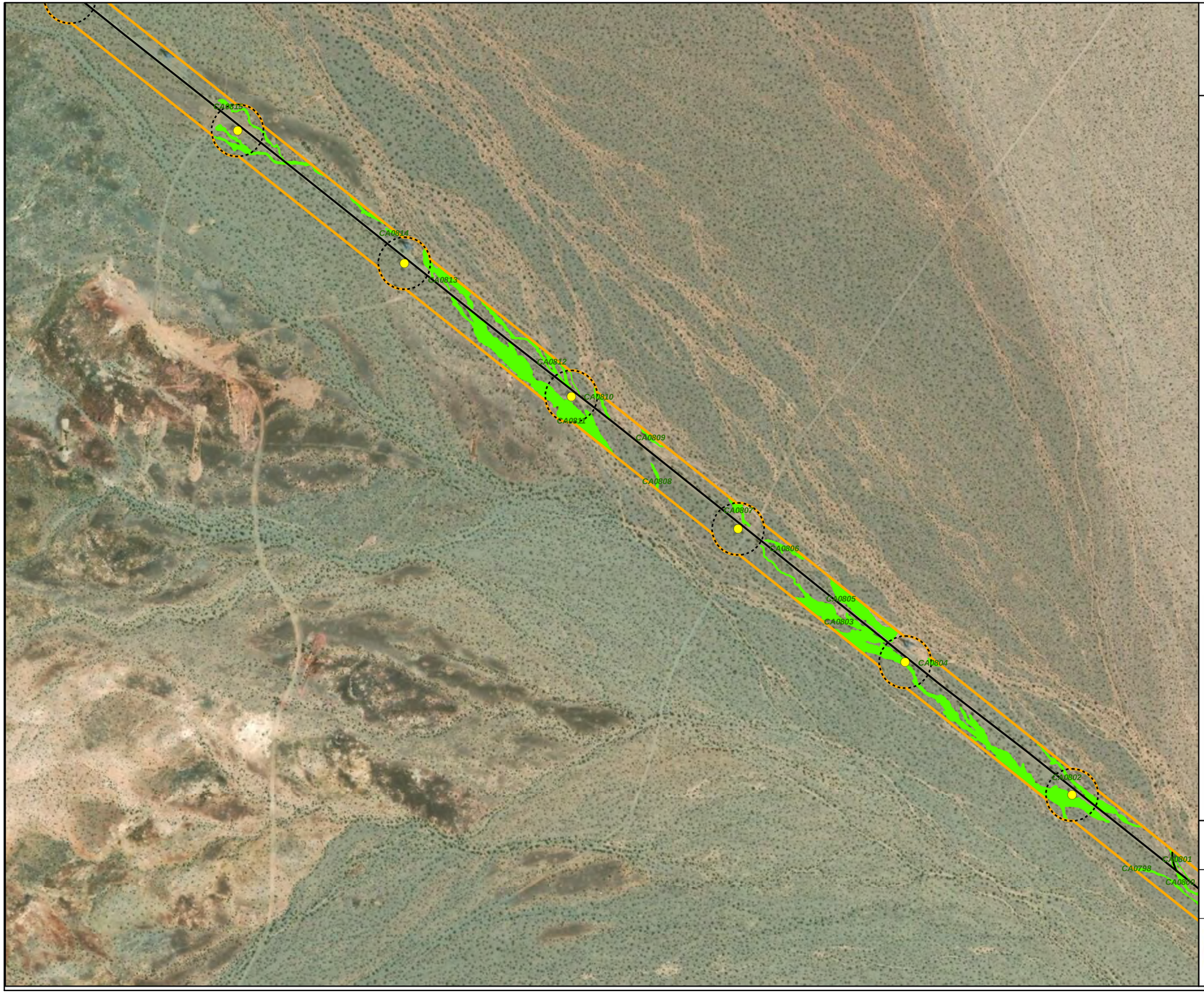

SOUTHERN CALIFORNIA EDISON
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Legend

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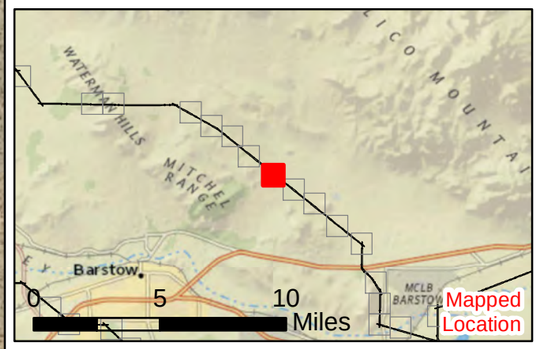

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Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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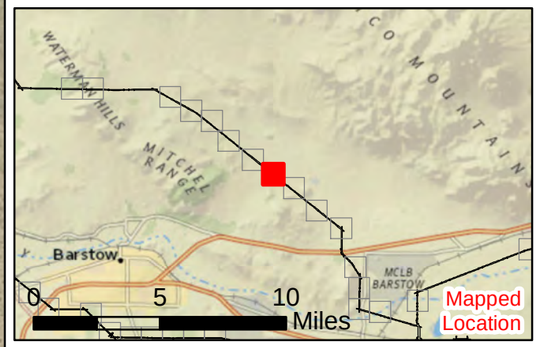

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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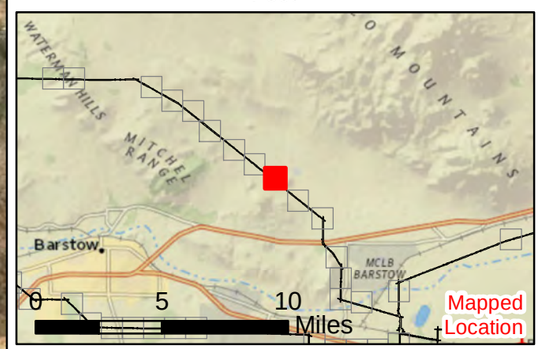

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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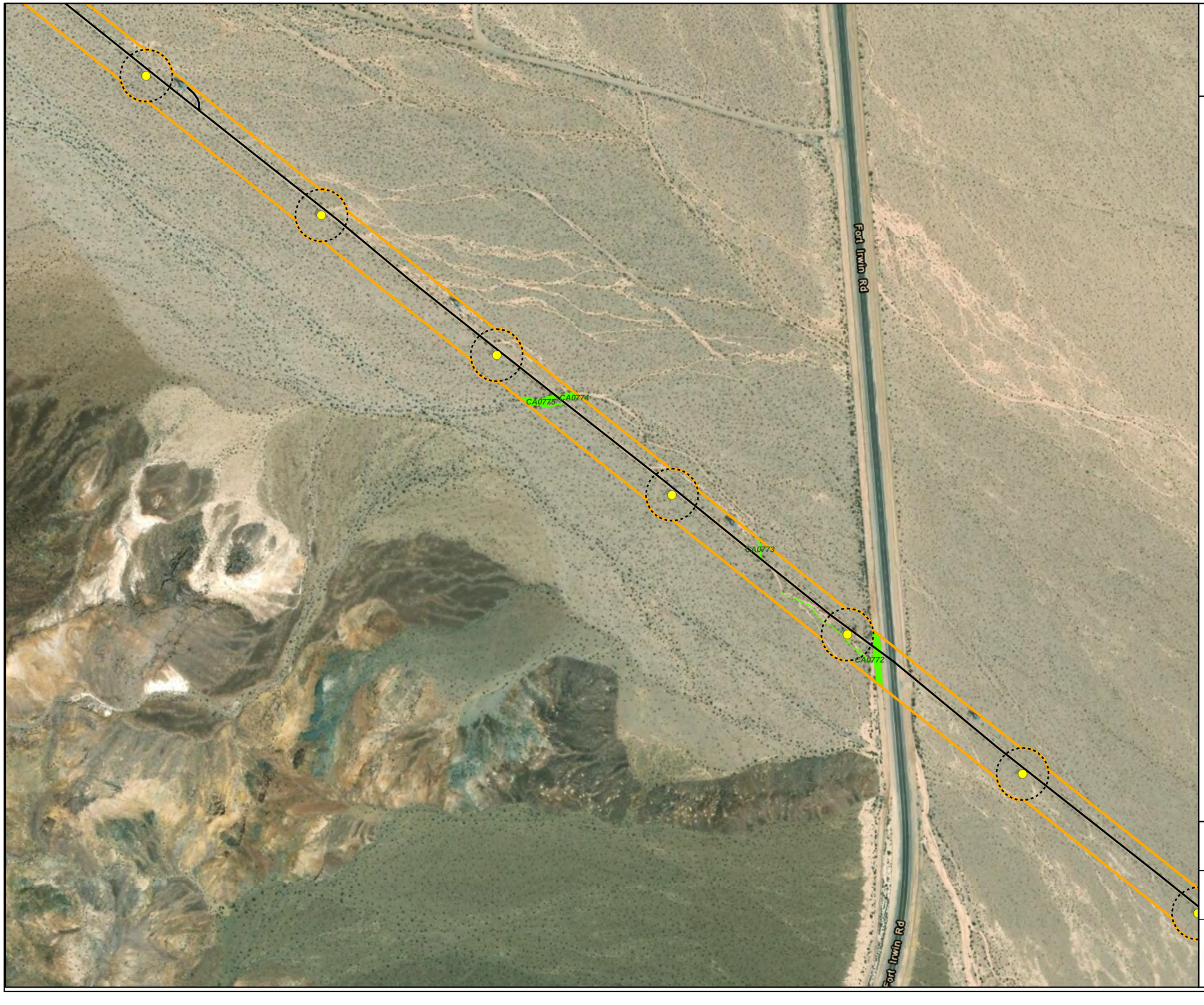

SOUTHERN CALIFORNIA EDISON
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Legend

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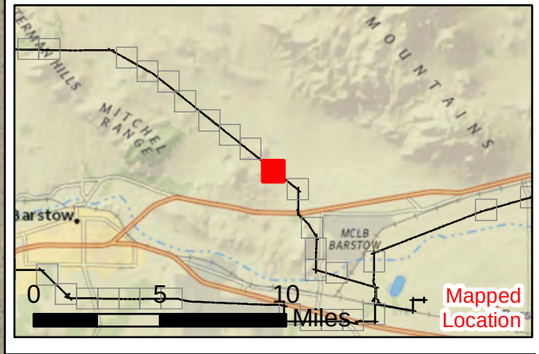

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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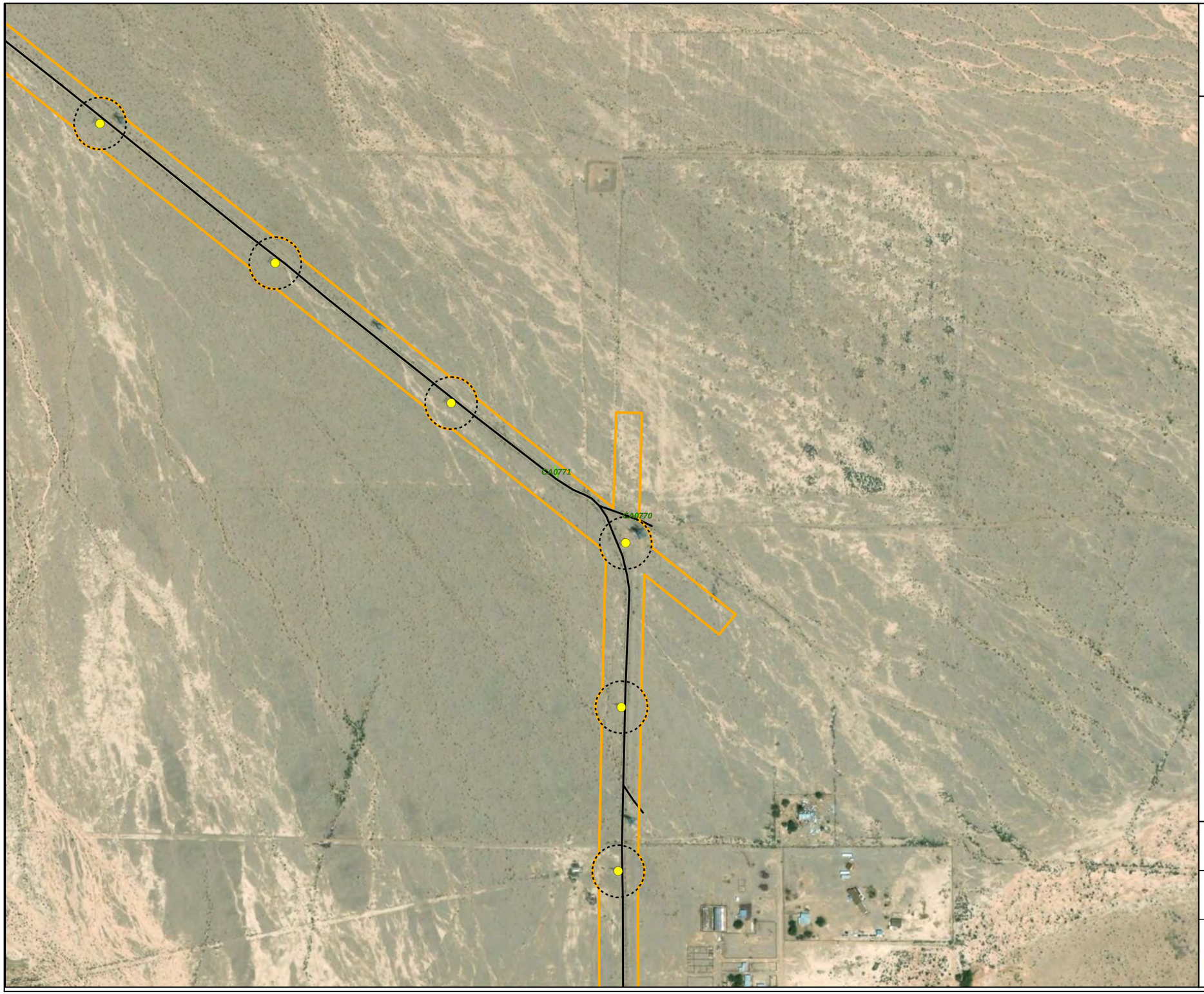

SOUTHERN CALIFORNIA EDISON
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Legend

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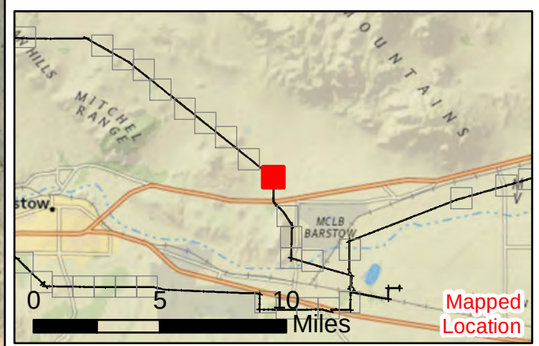

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON®
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Legend

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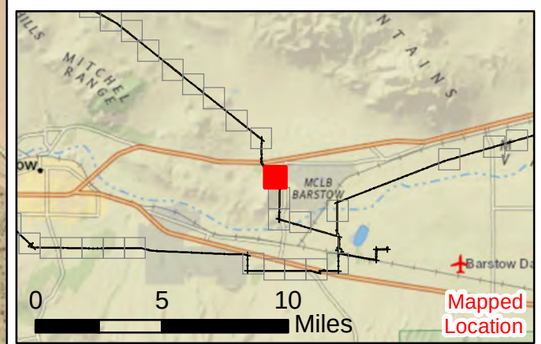

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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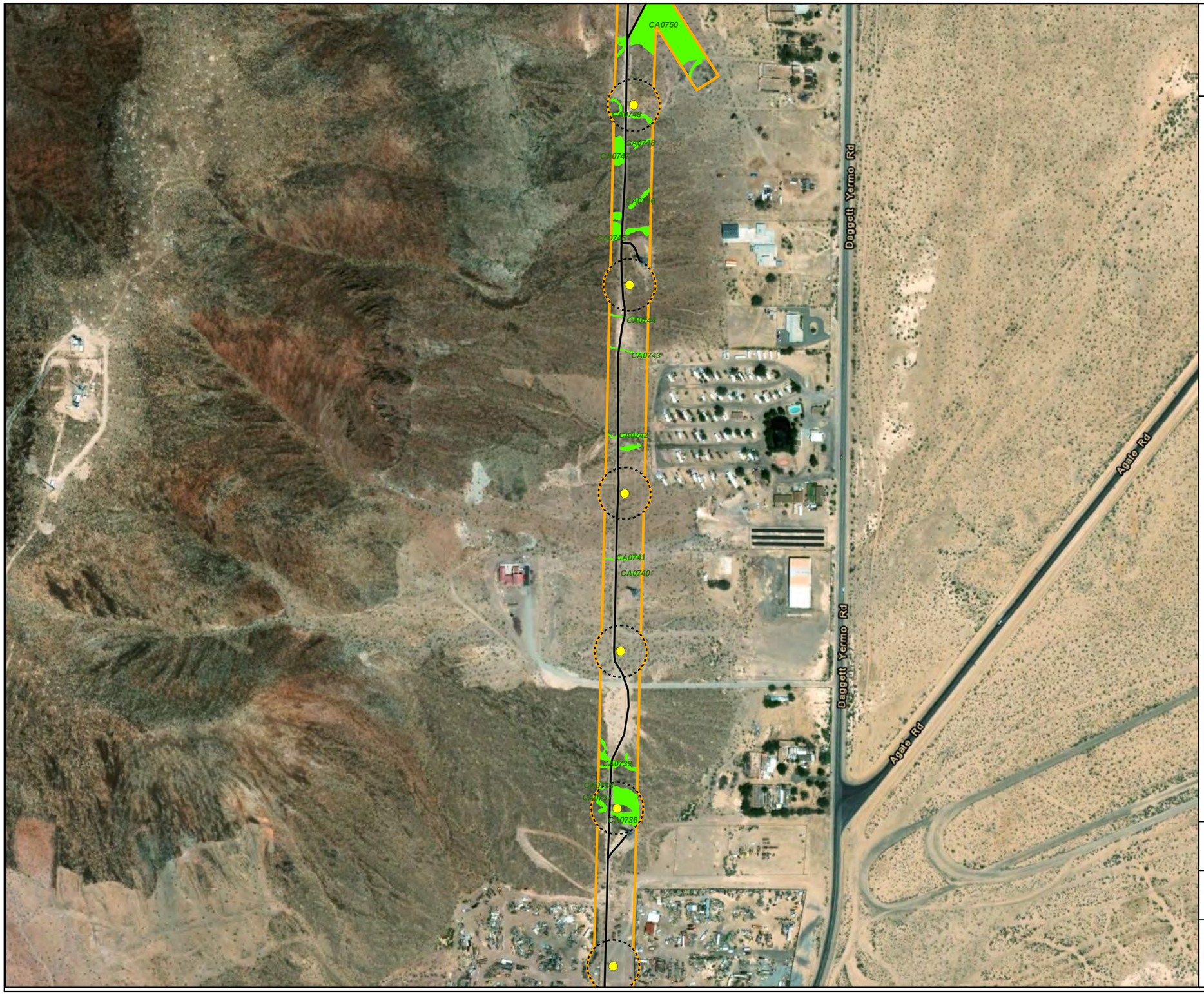

SOUTHERN CALIFORNIA EDISON
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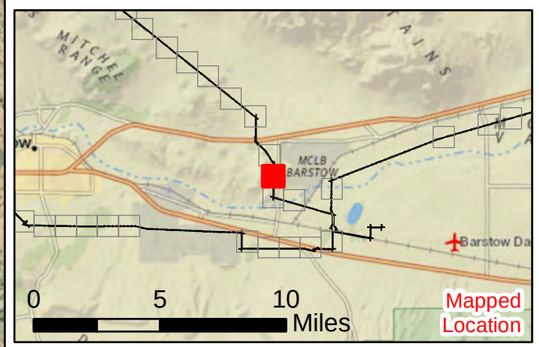
Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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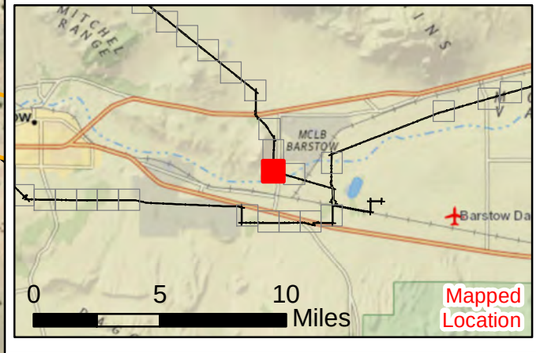
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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SOUTHERN CALIFORNIA EDISON
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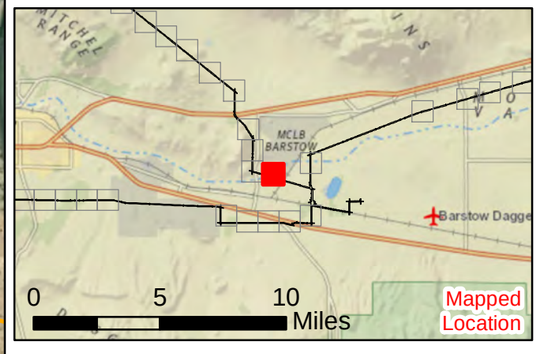

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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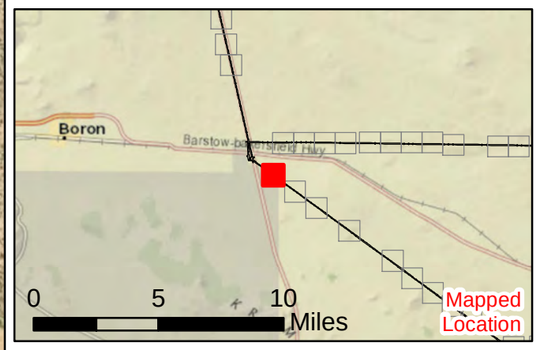
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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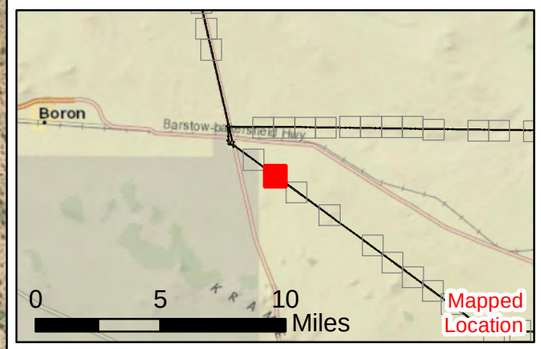

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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0 500 1,000
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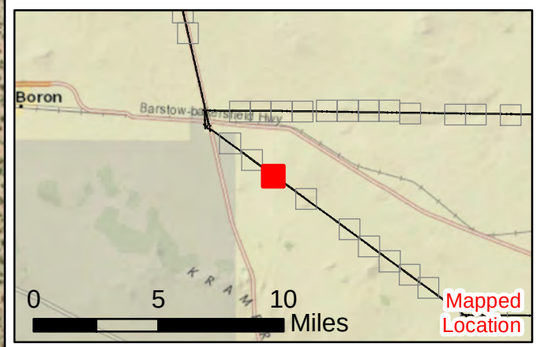

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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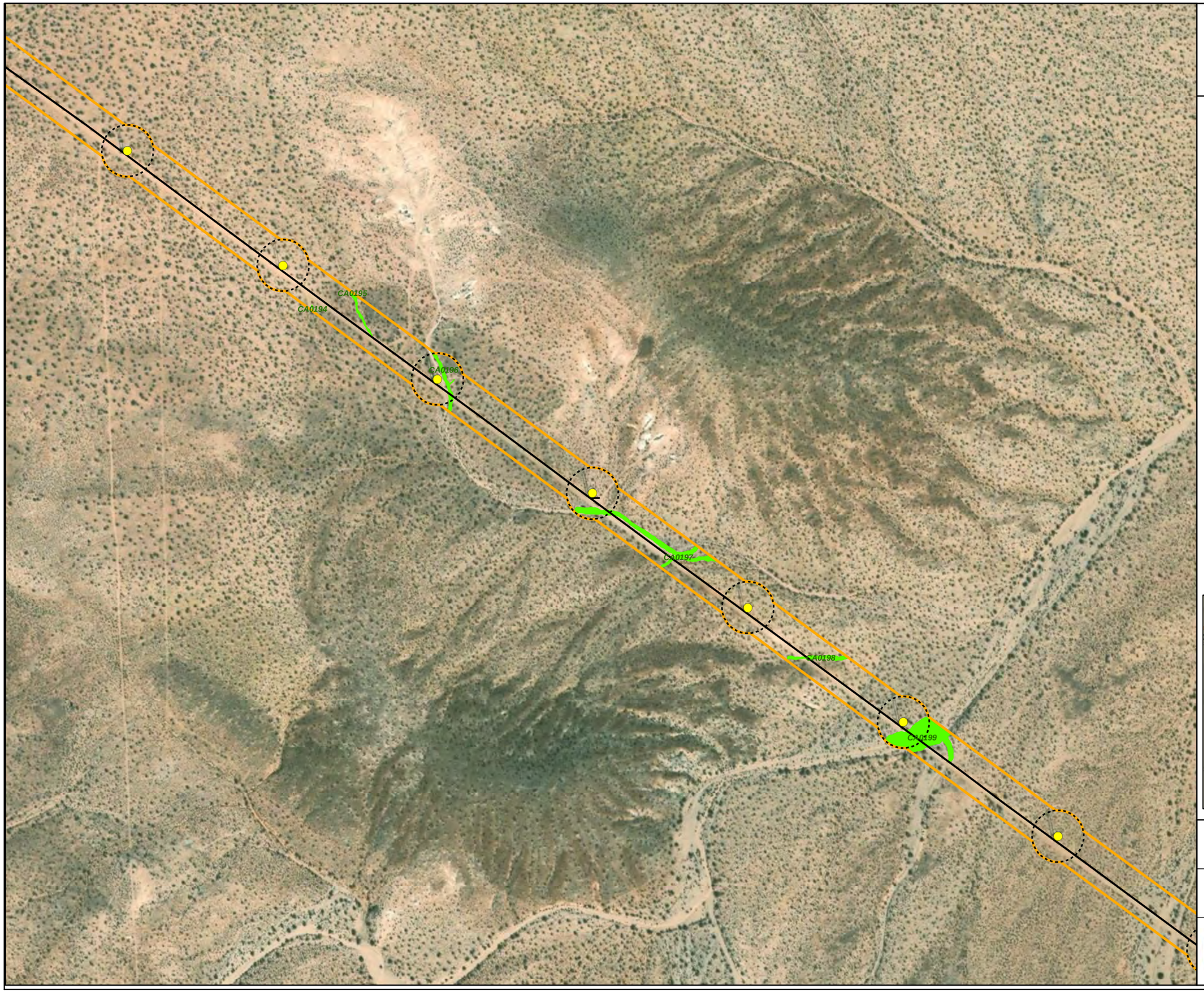

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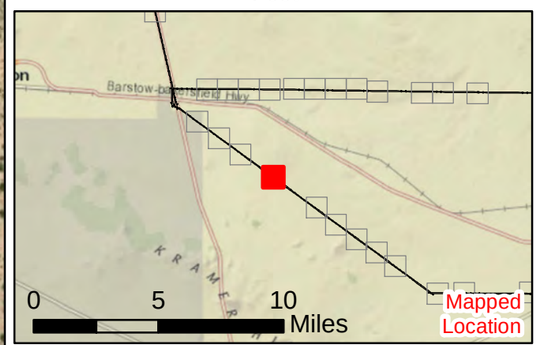

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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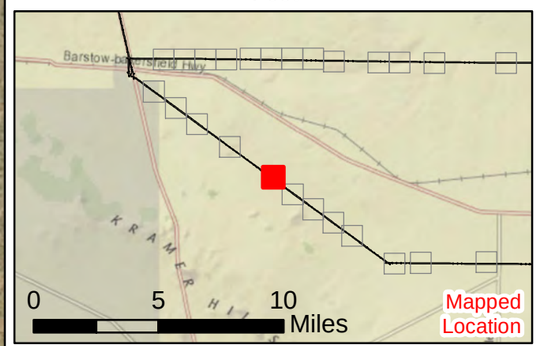

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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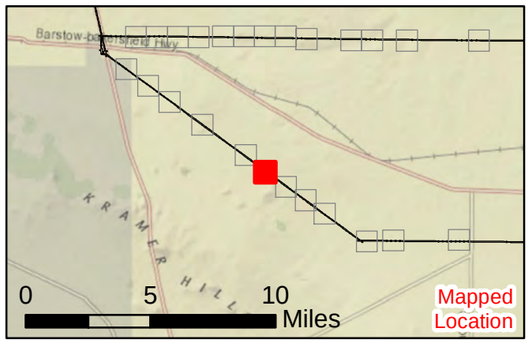

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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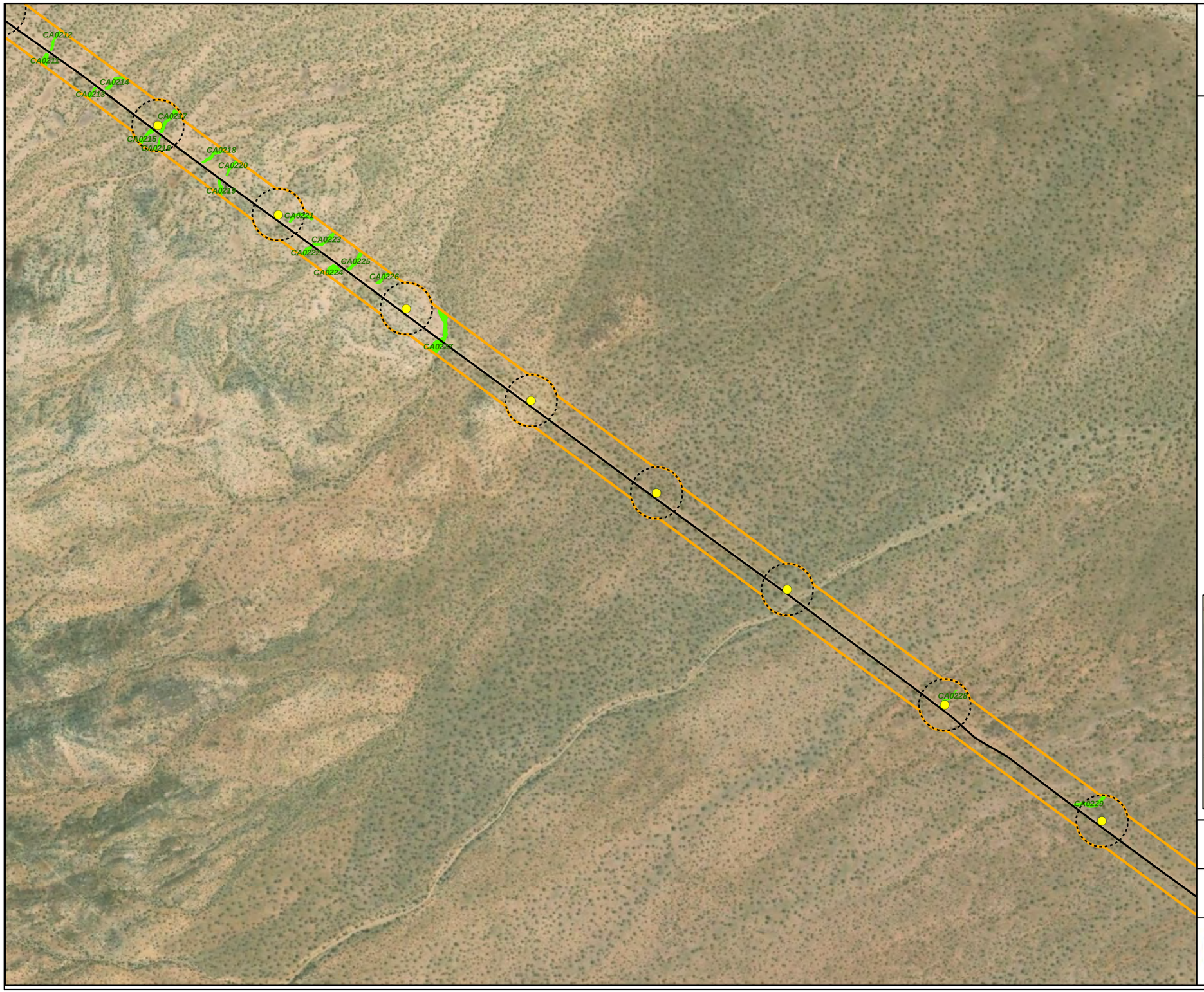

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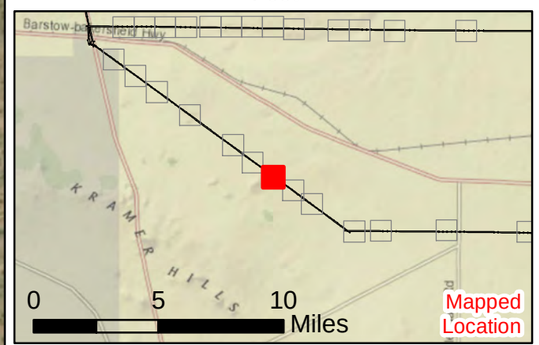

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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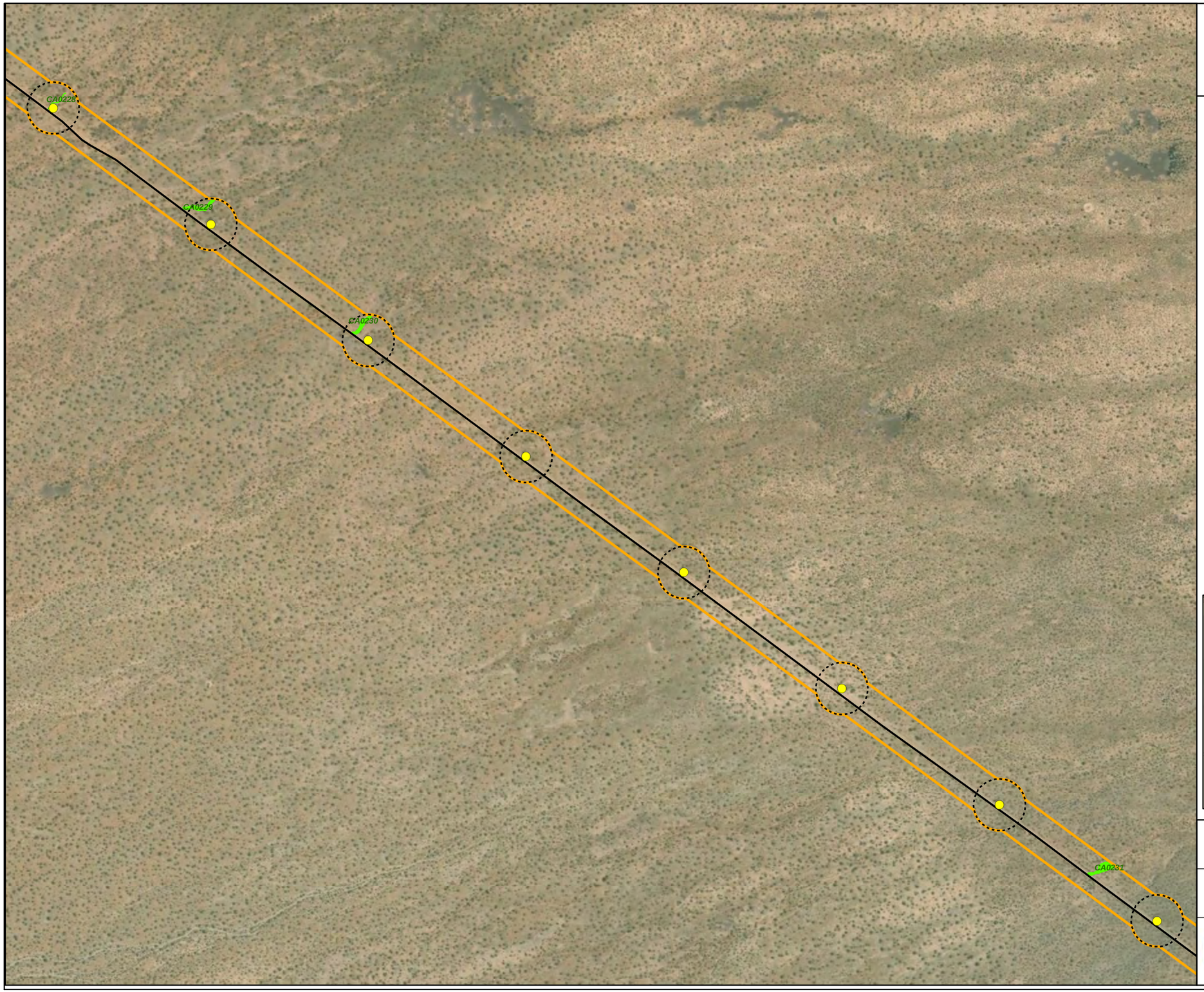

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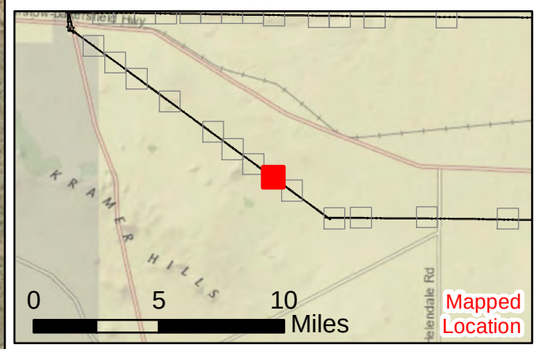

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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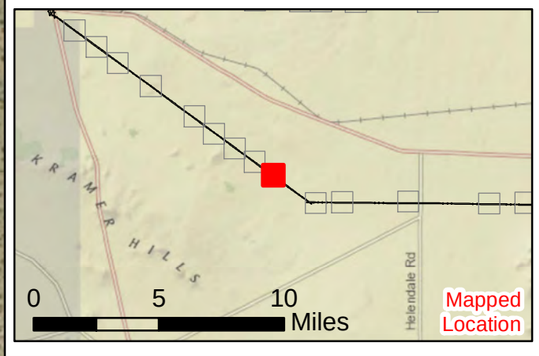

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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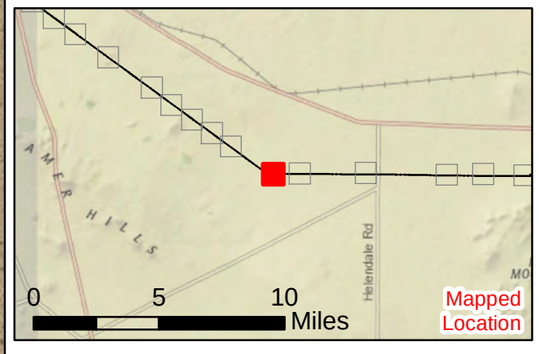

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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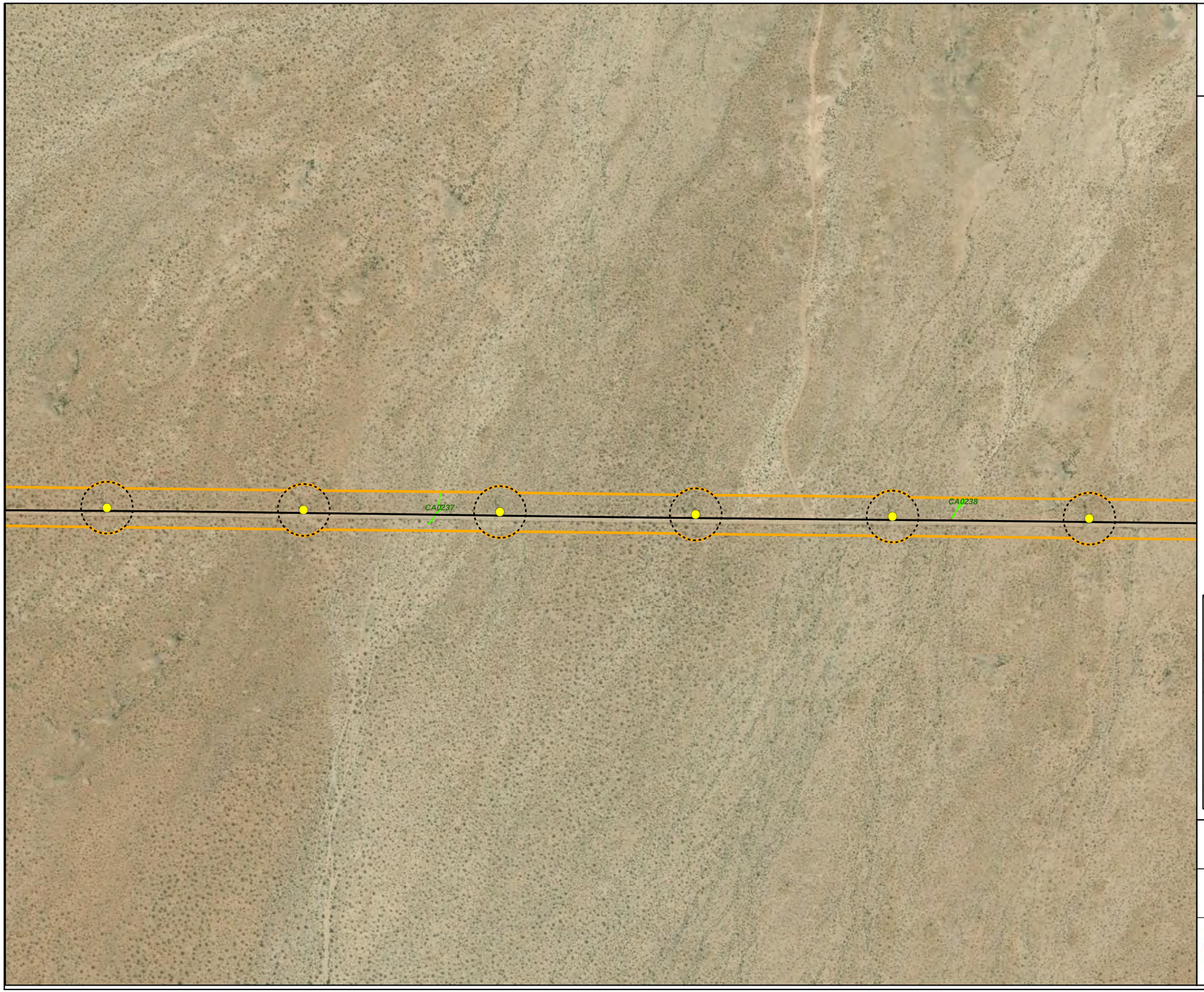

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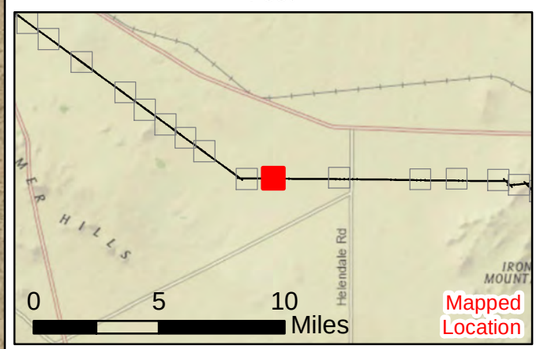

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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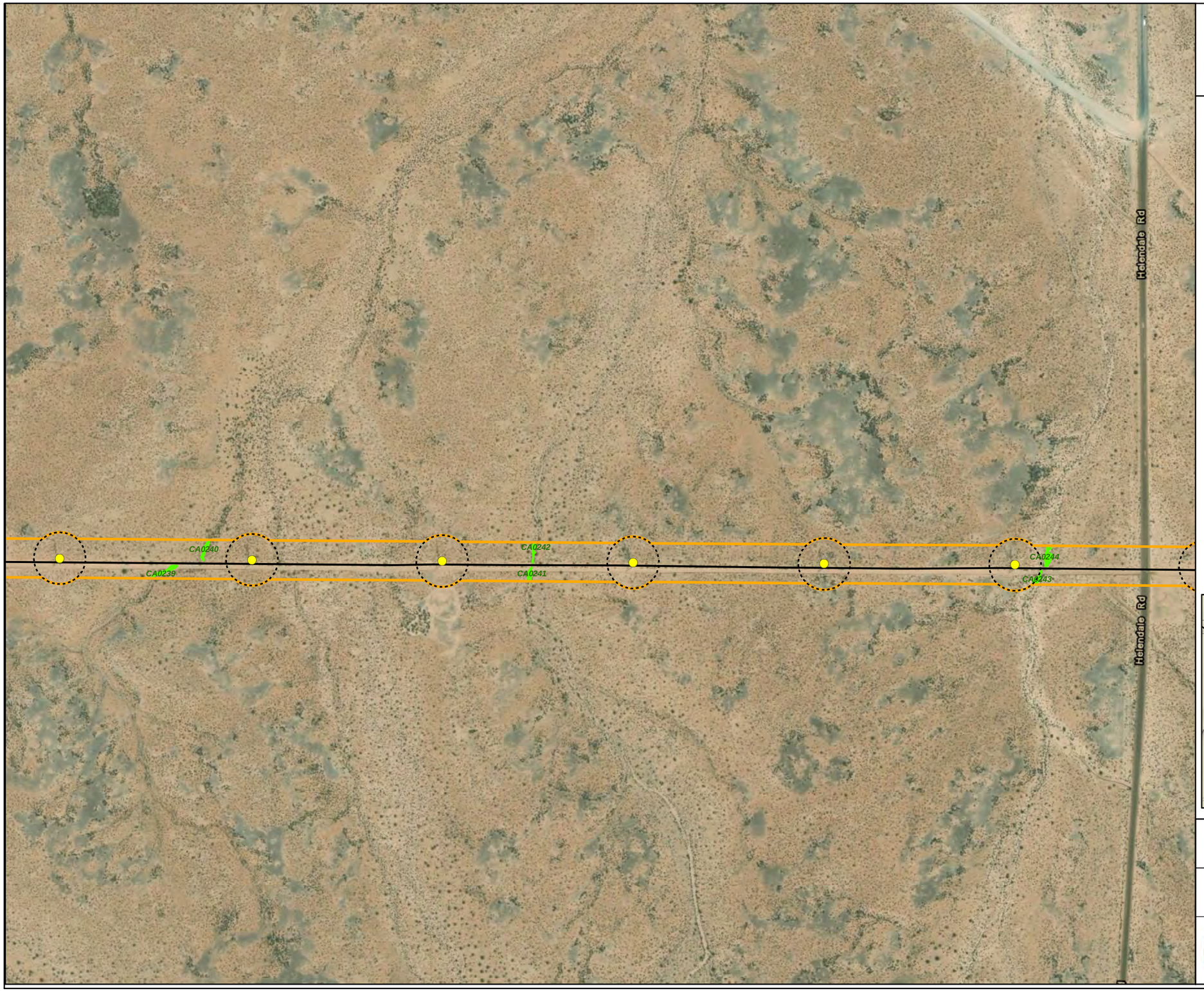

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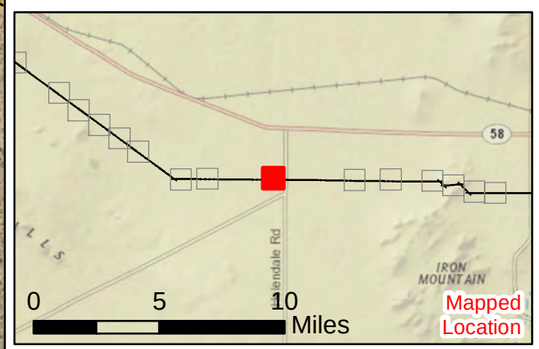

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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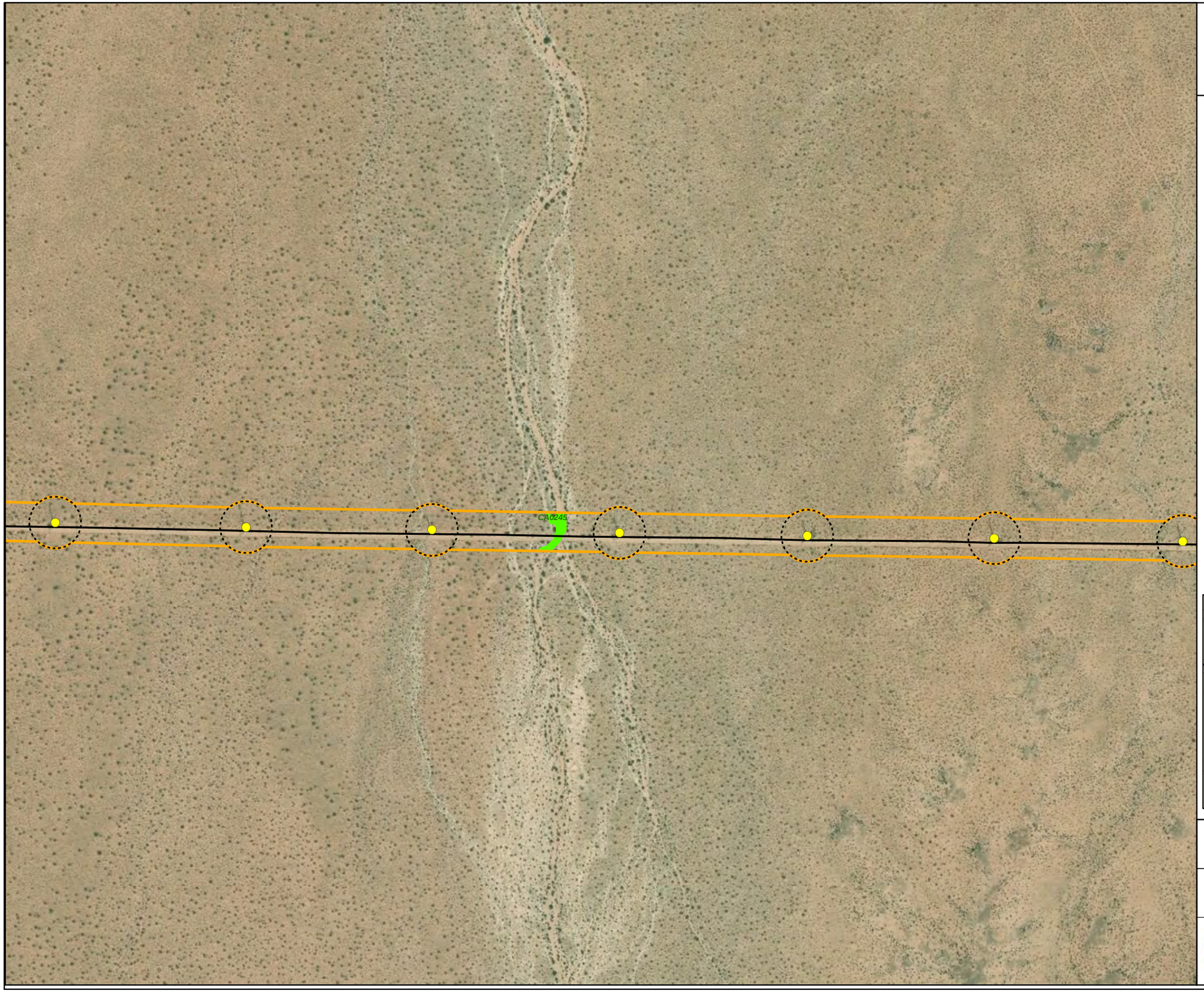

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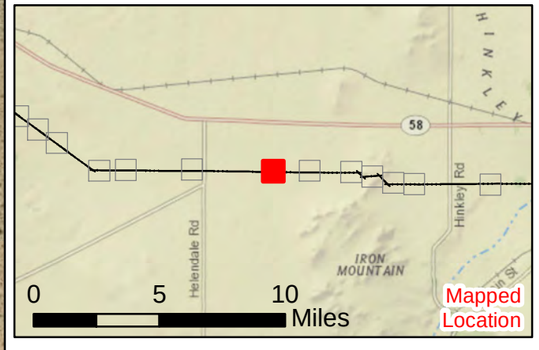

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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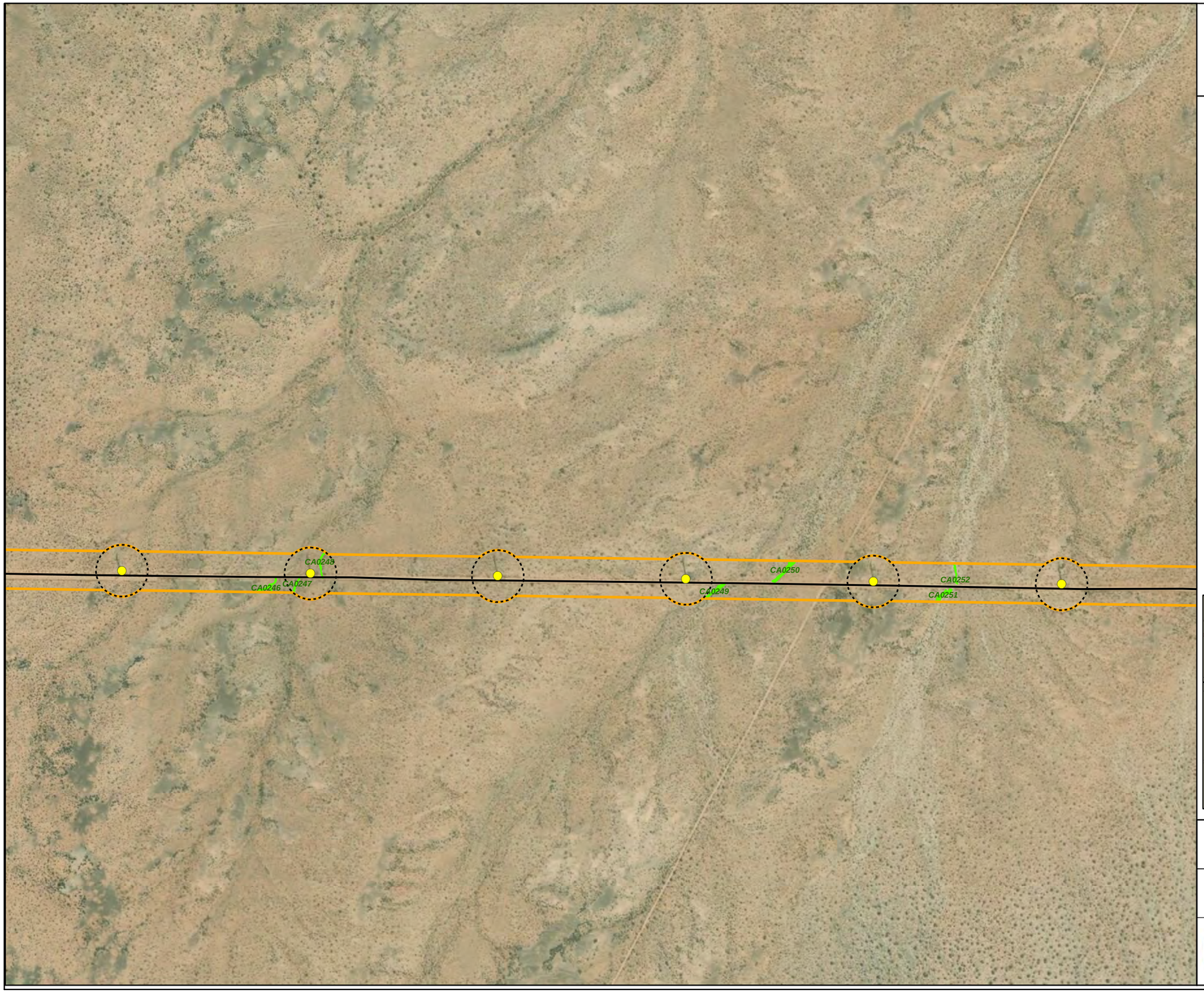

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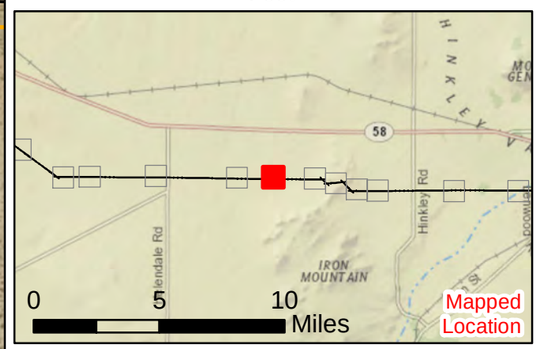

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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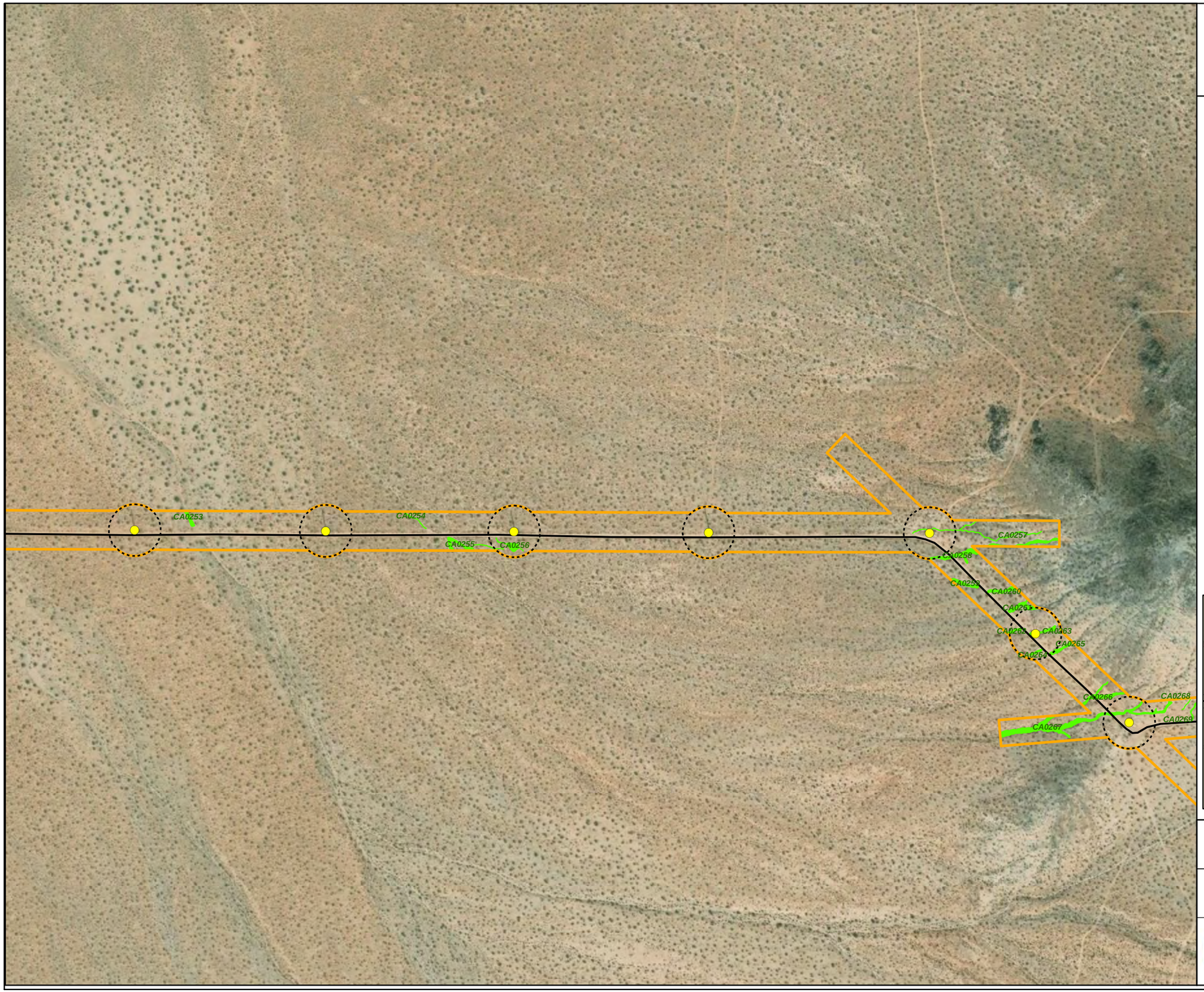

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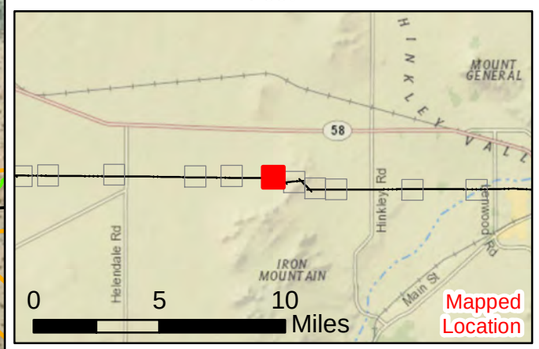

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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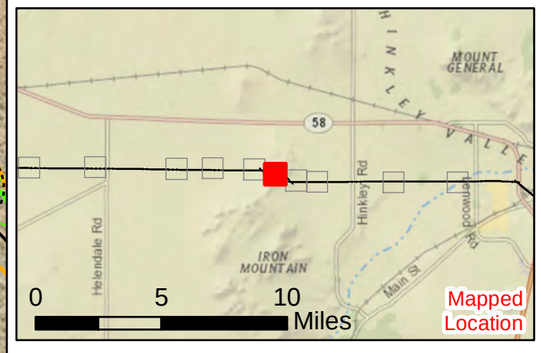

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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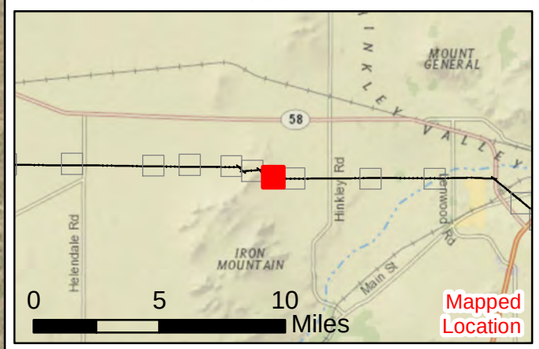

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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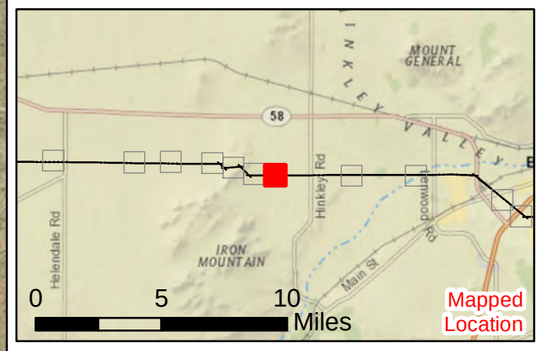
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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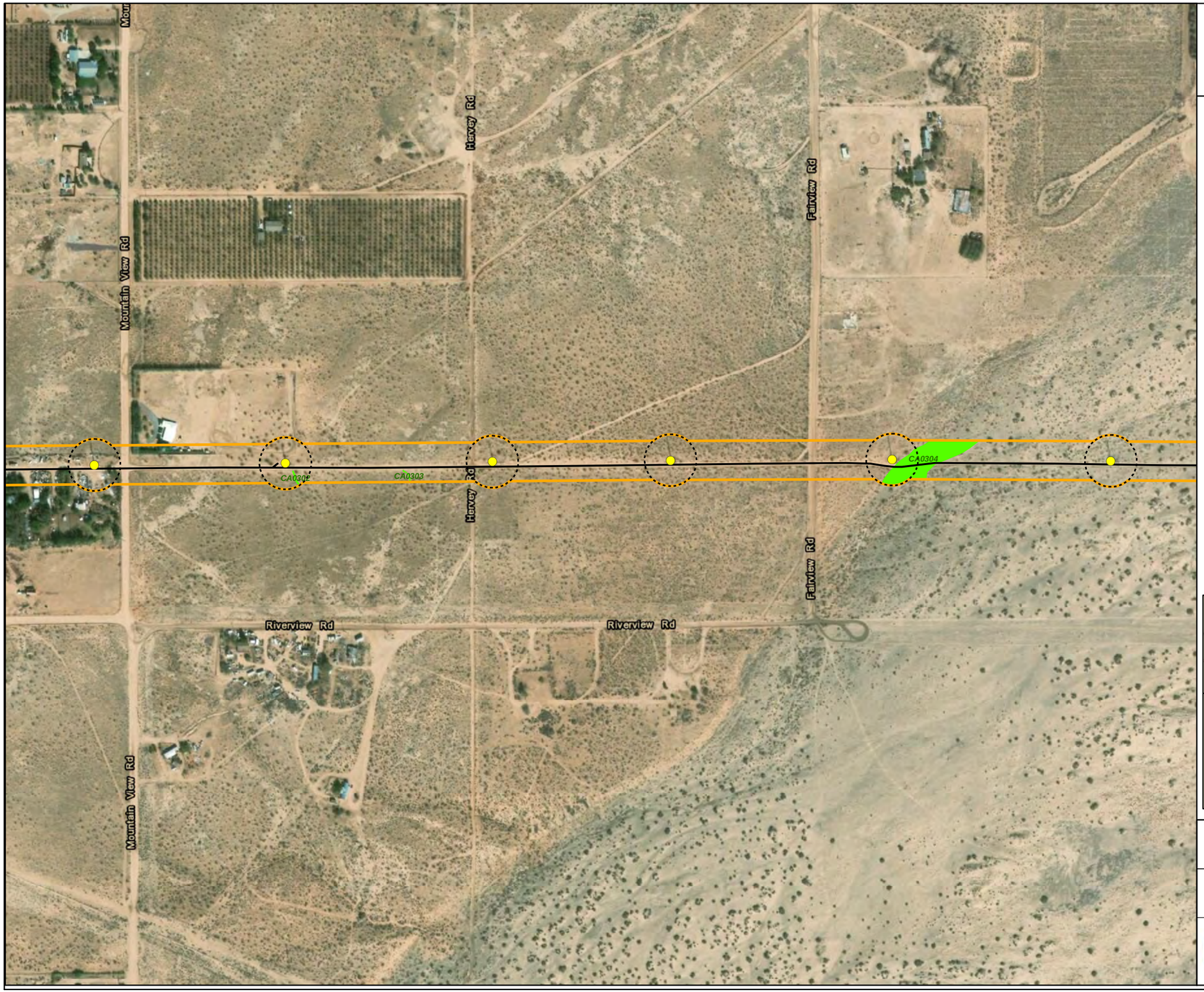

SOUTHERN CALIFORNIA EDISON
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Legend

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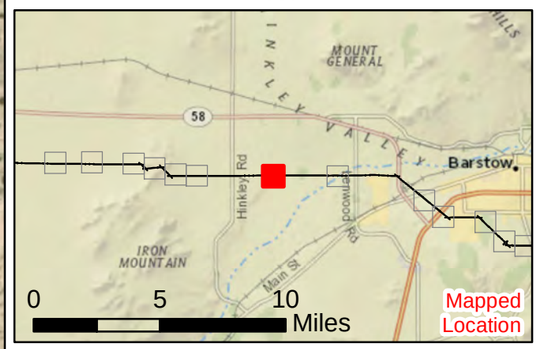
- Substation Location

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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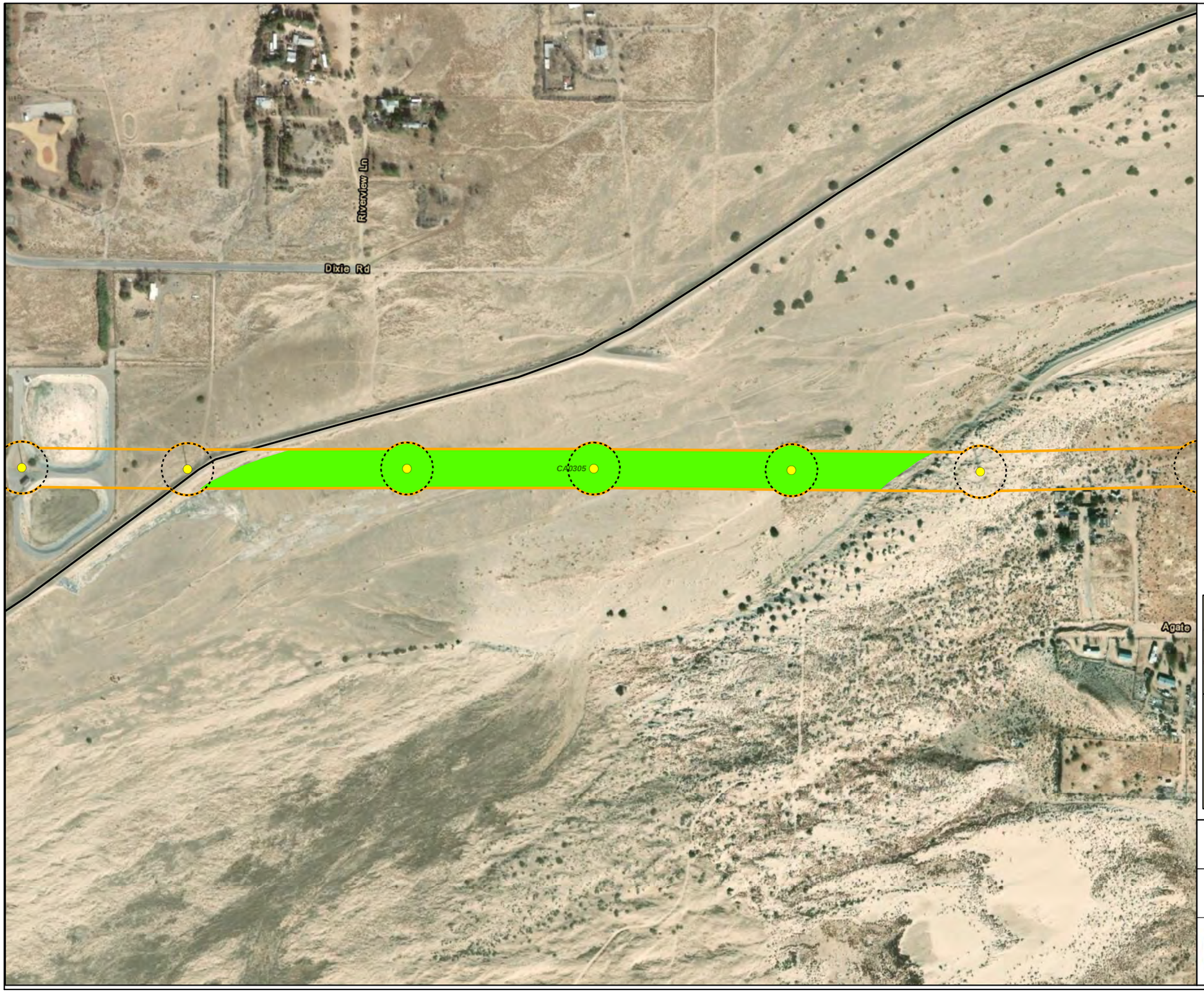

SOUTHERN CALIFORNIA EDISON
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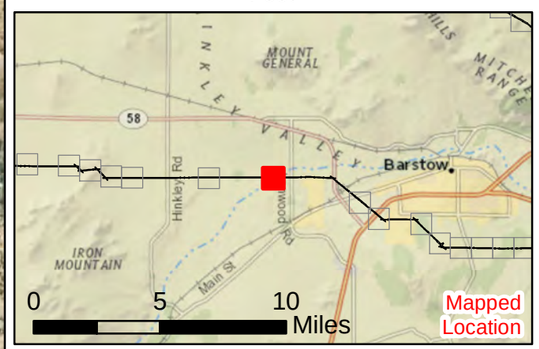

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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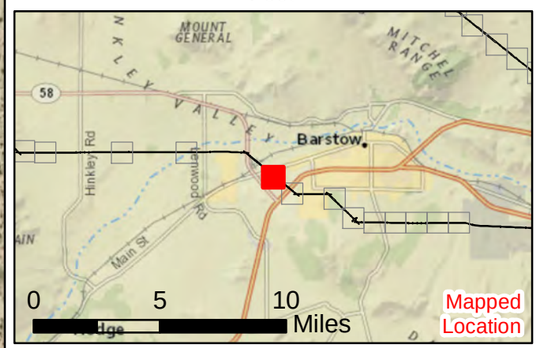

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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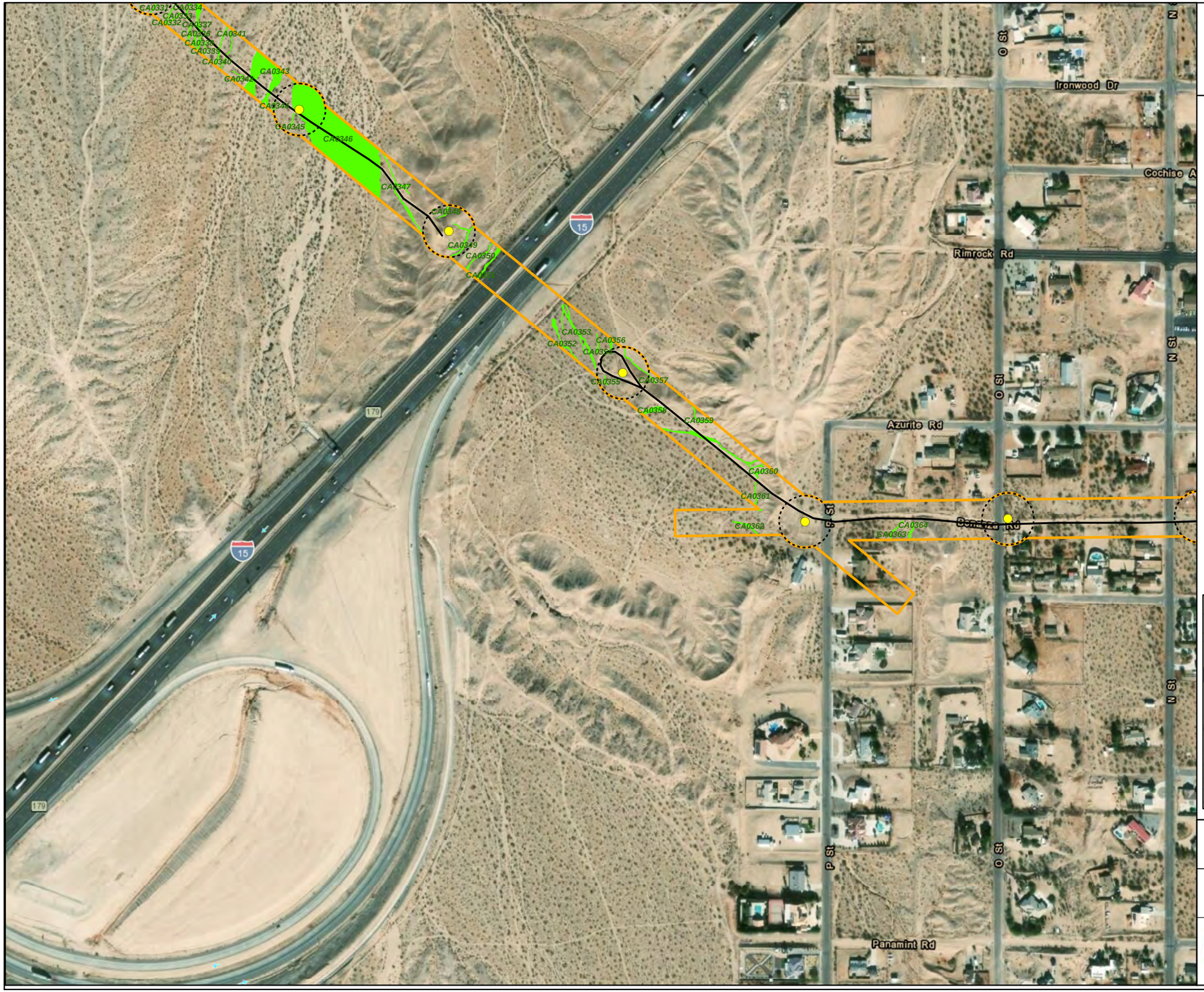

SOUTHERN CALIFORNIA EDISON
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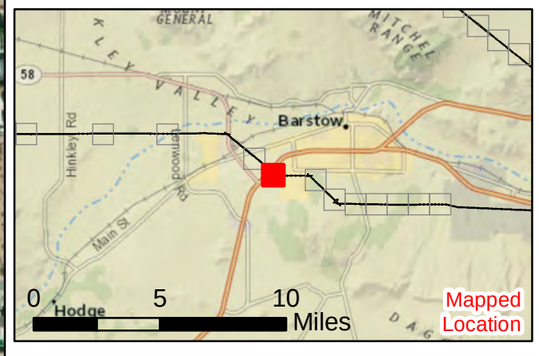

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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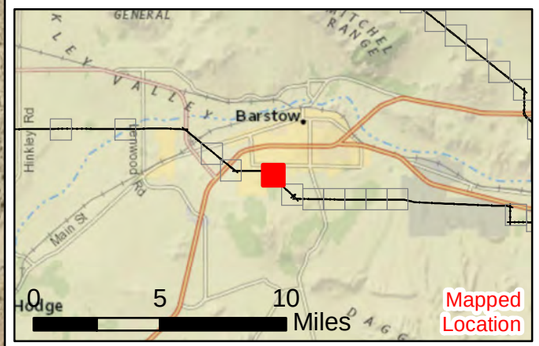

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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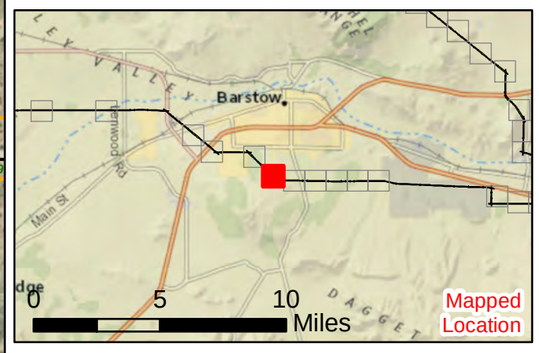

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Barstow Rd

247

CA0441 CA0442 CA0443 CA0444 CA0445 CA0446 CA0447 CA0448 CA0449 CA0450 CA0451 CA0452 CA0454 CA0455 CA0456 CA0457 CA0458 CA0459 CA0460 CA0461 CA0462 CA0463 CA0464 CA0465 CA0466 CA0468 CA0469 CA0470 CA0471 CA0472 CA0474 CA0475 CA0476 CA0477 CA0478 CA0479 CA0480 CA0481 CA0482 CA0483

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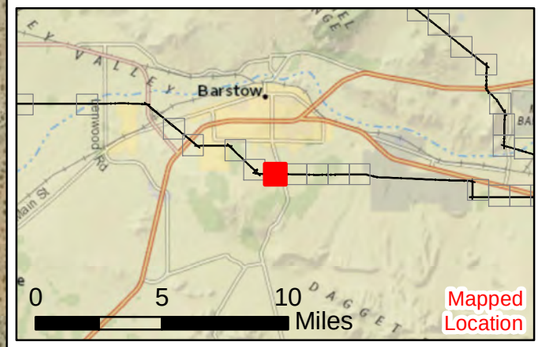

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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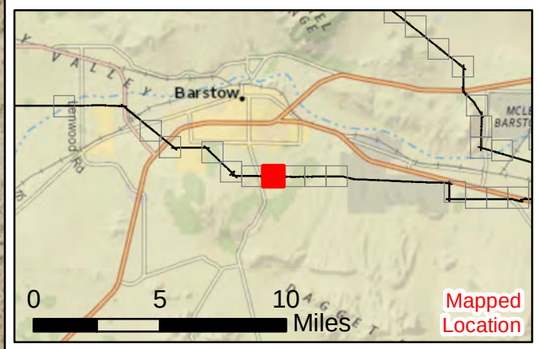

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON®
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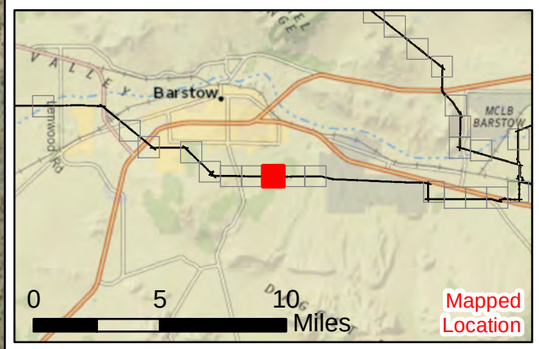

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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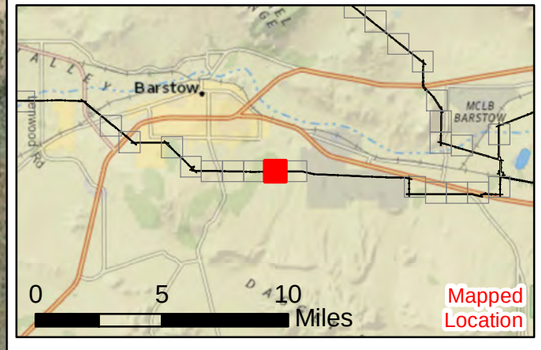

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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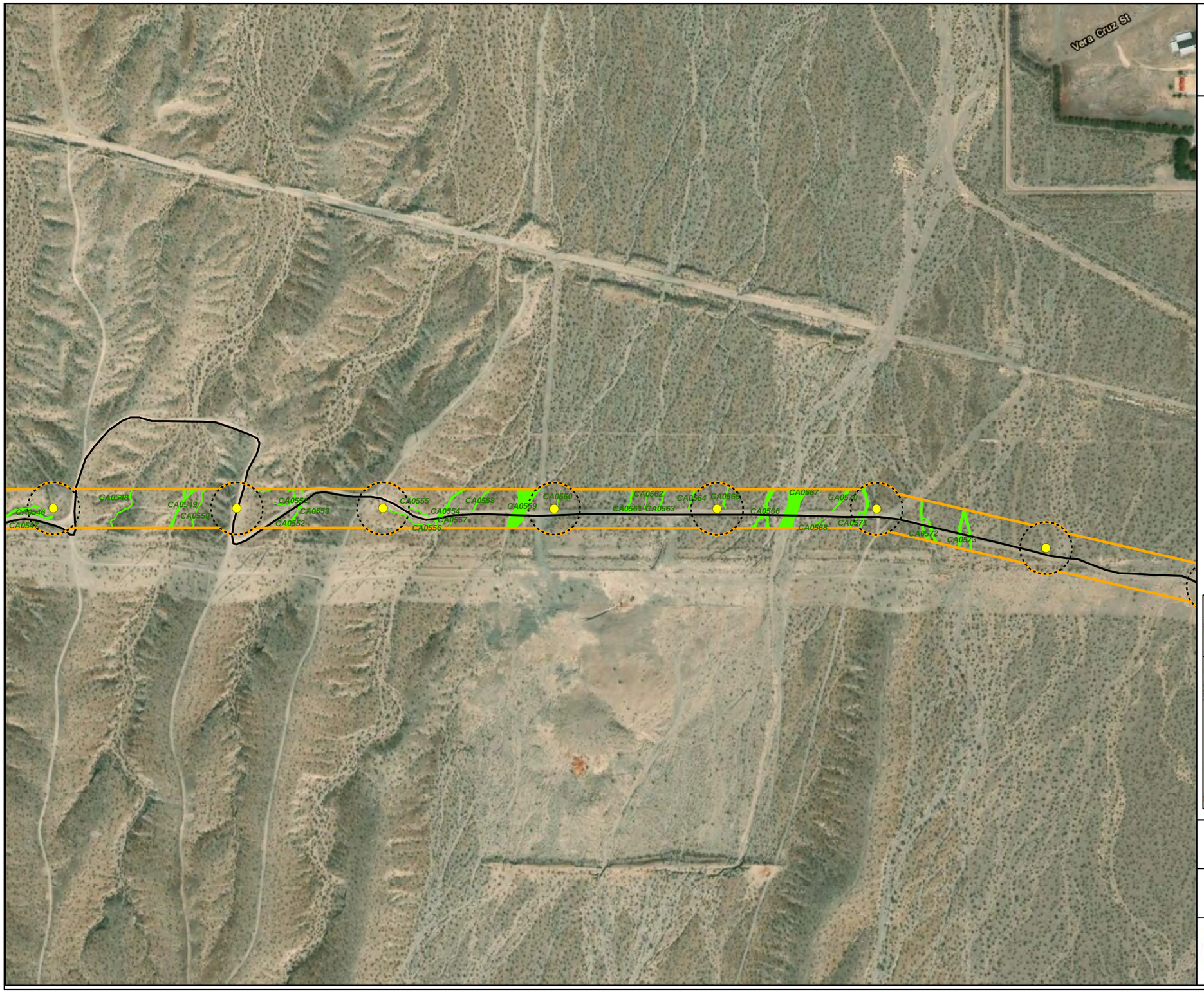

SOUTHERN CALIFORNIA EDISON
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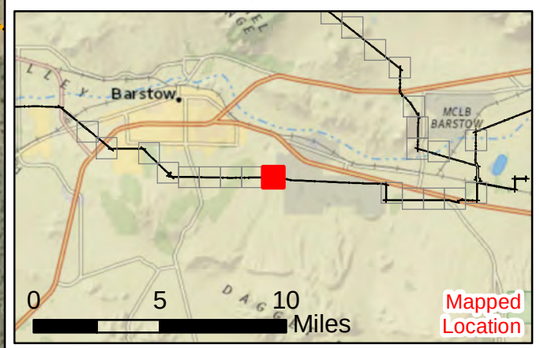

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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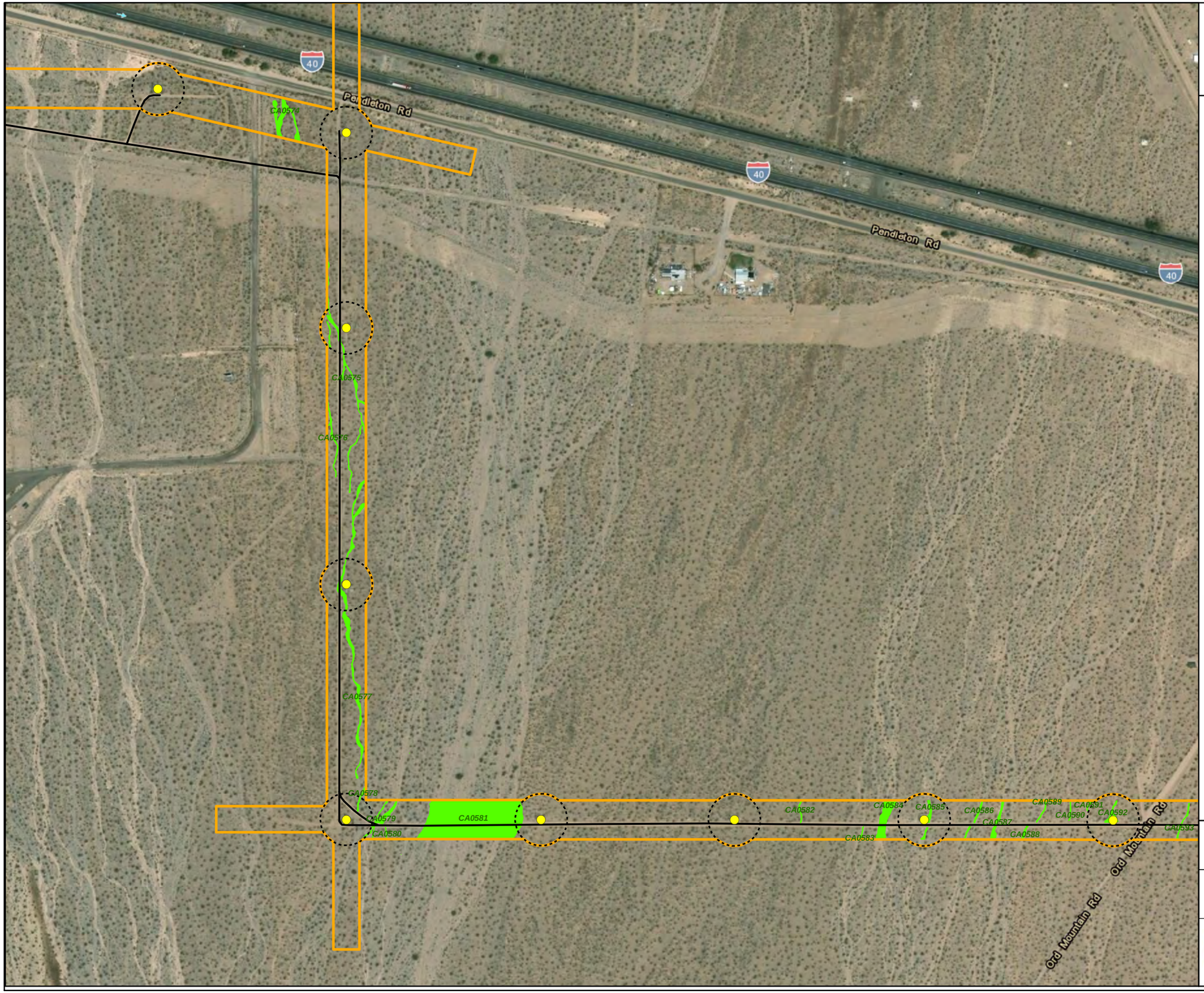

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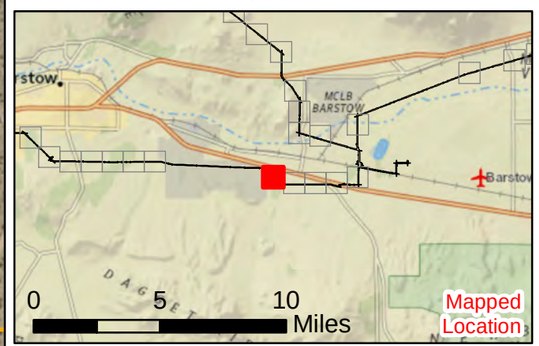

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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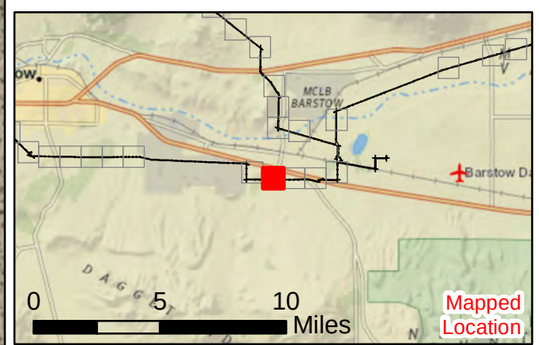

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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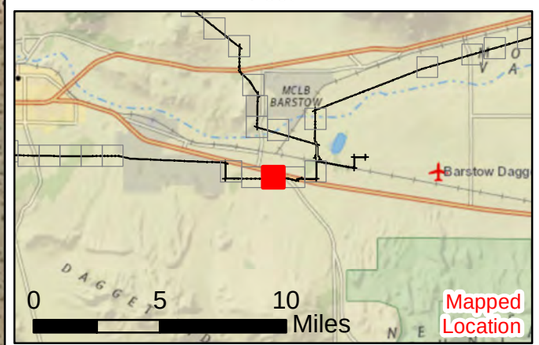

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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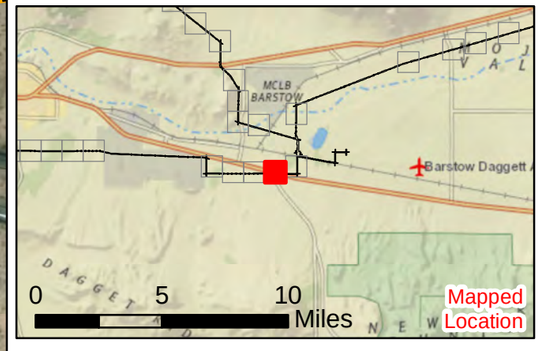

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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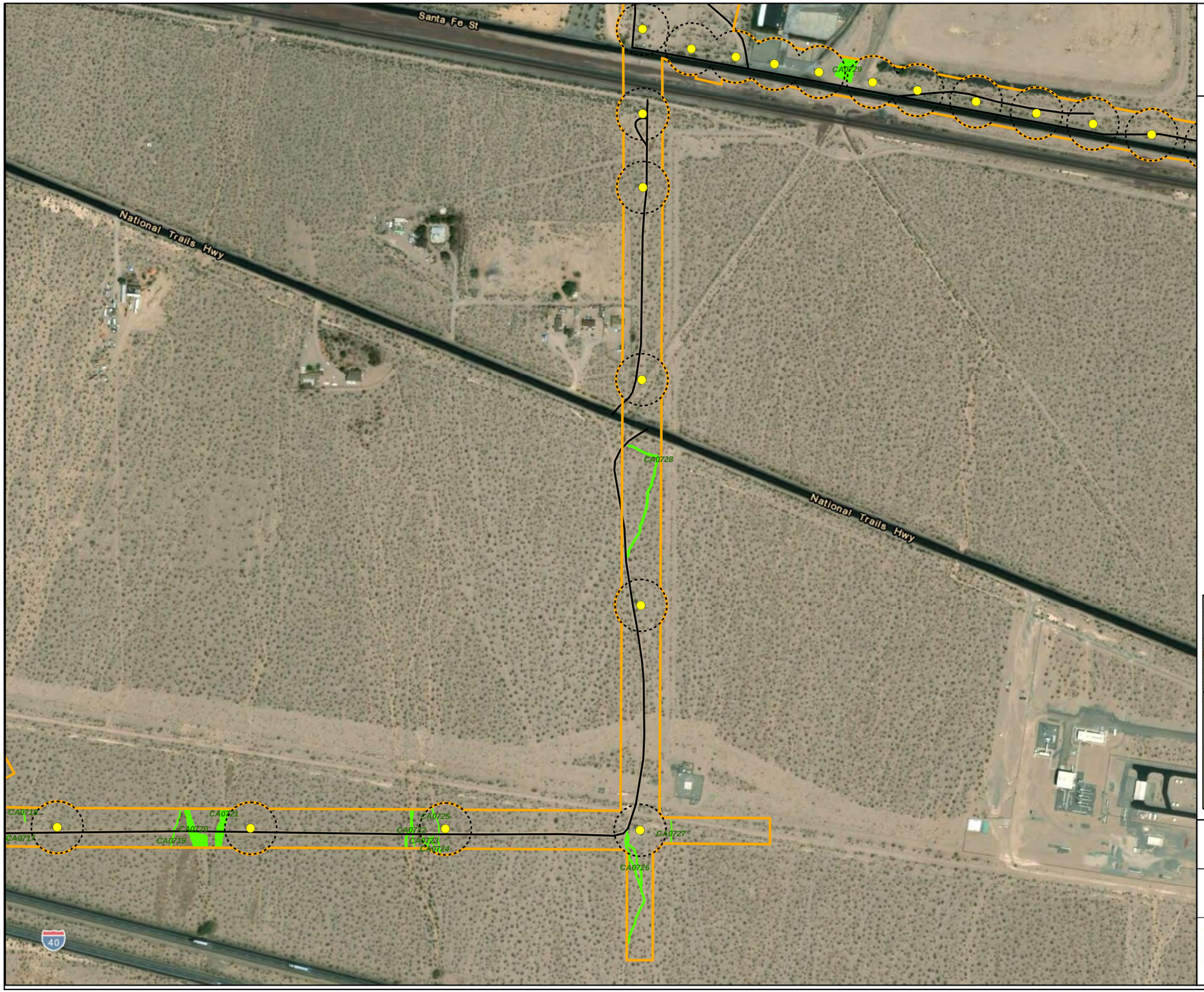

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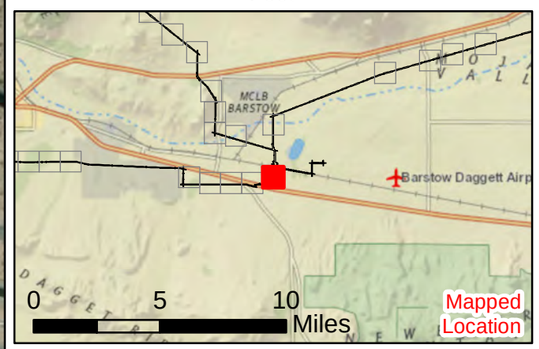

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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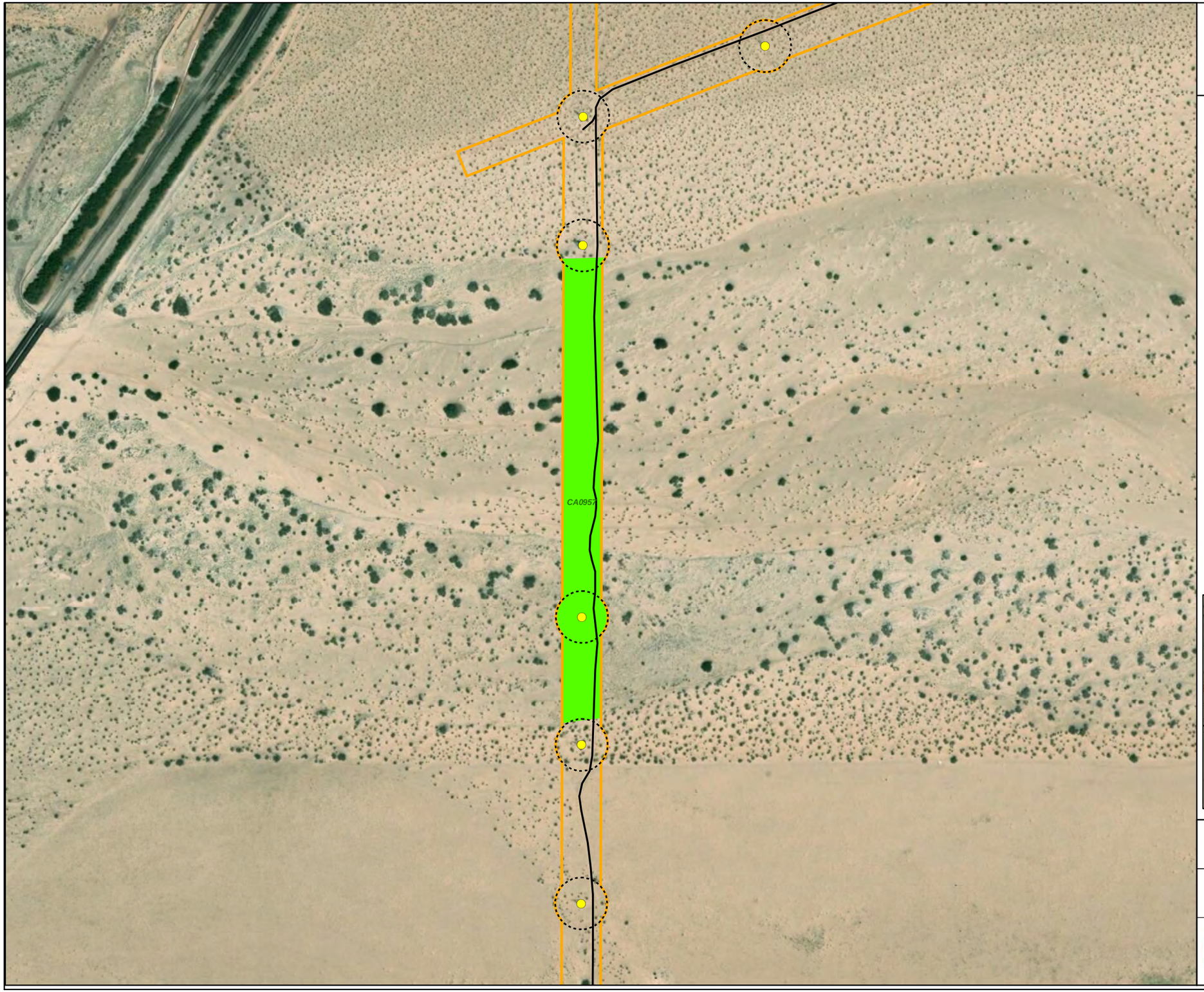

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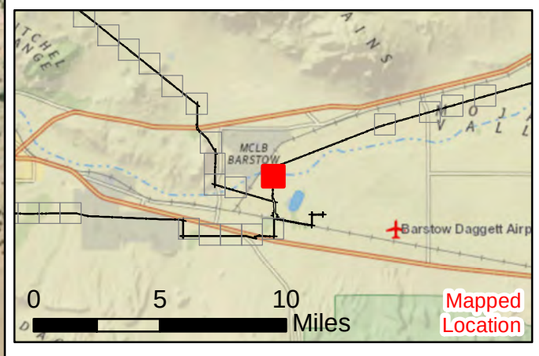

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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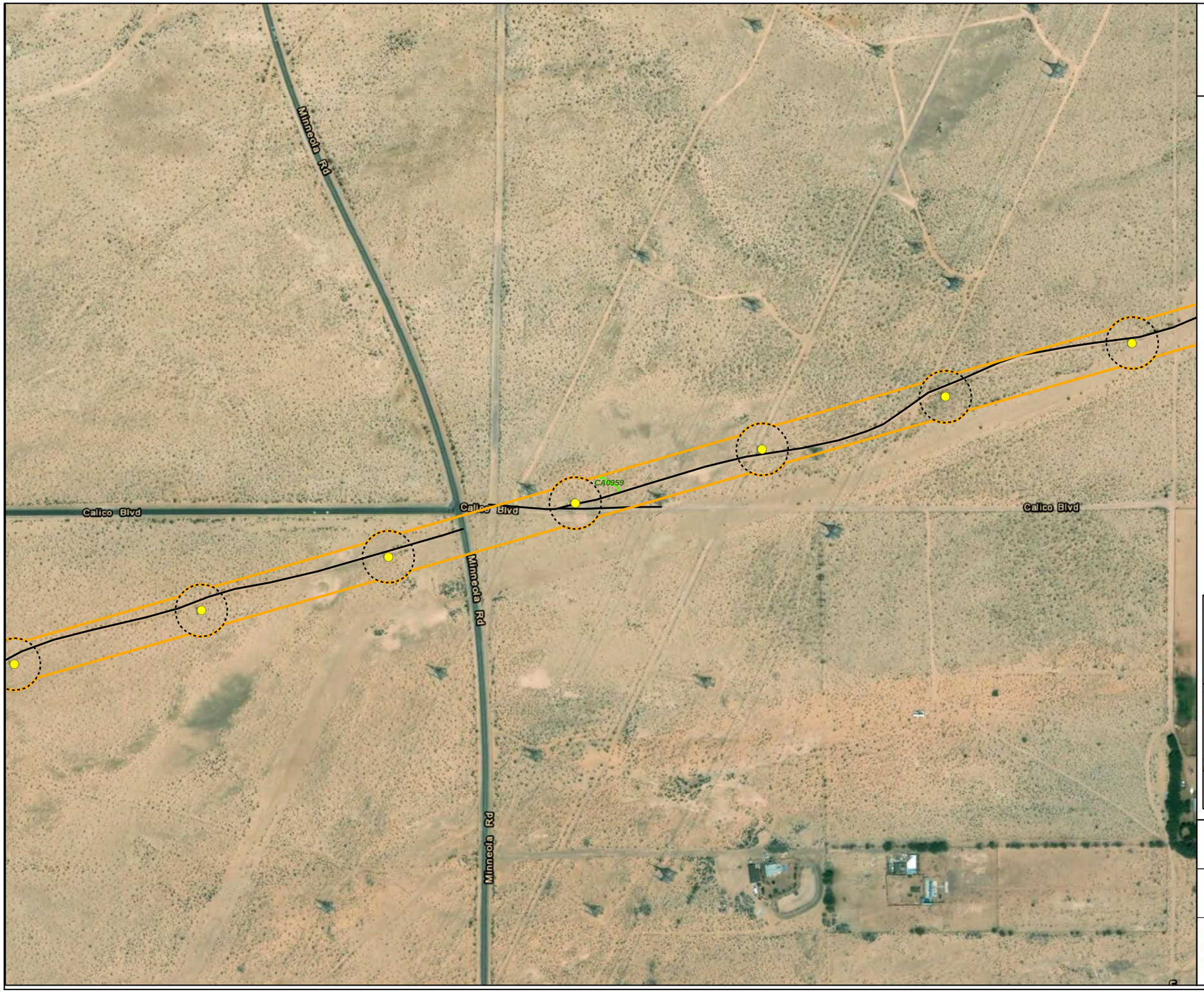

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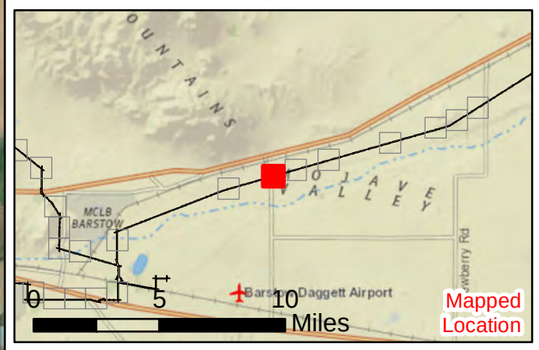
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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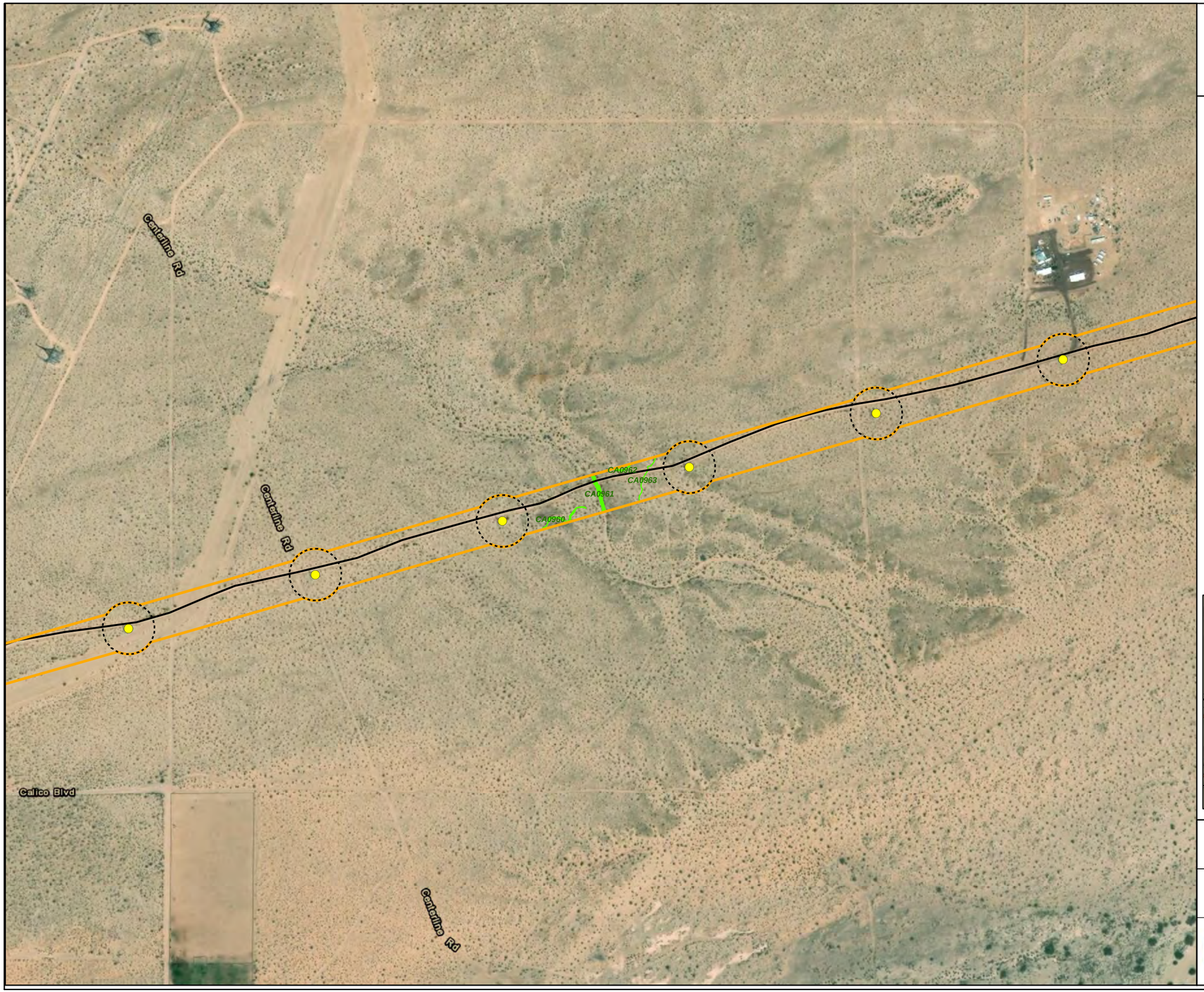
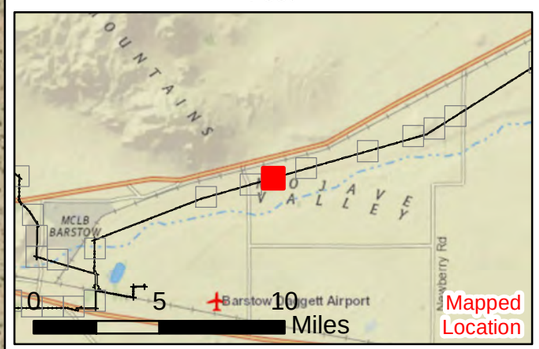


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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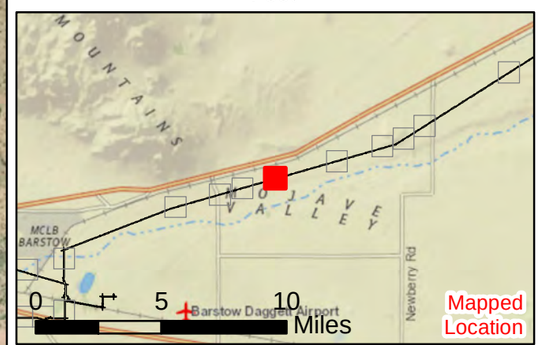
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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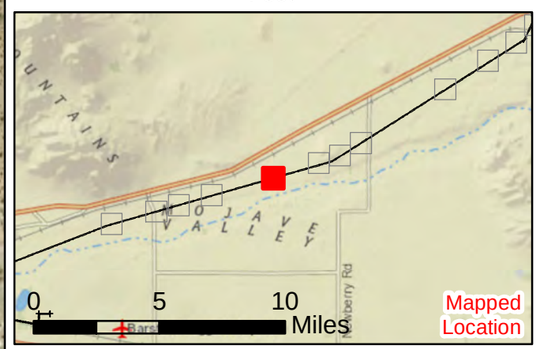
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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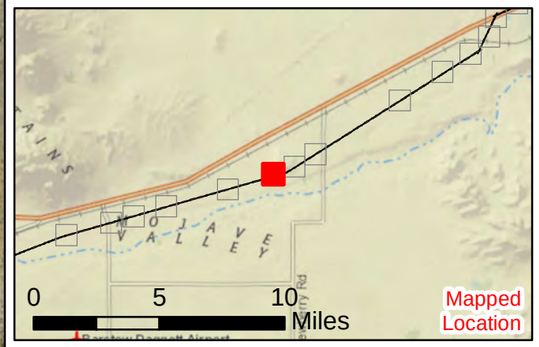
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape CDFW JD Mapping.mxd 8/28/2018 adavis
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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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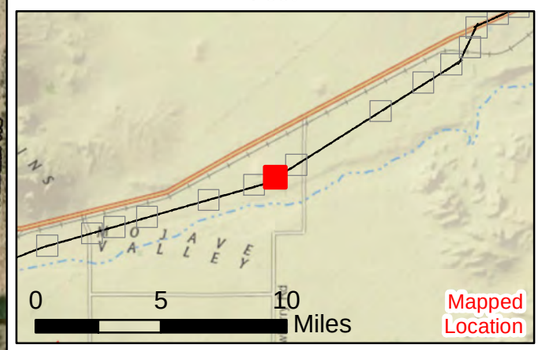

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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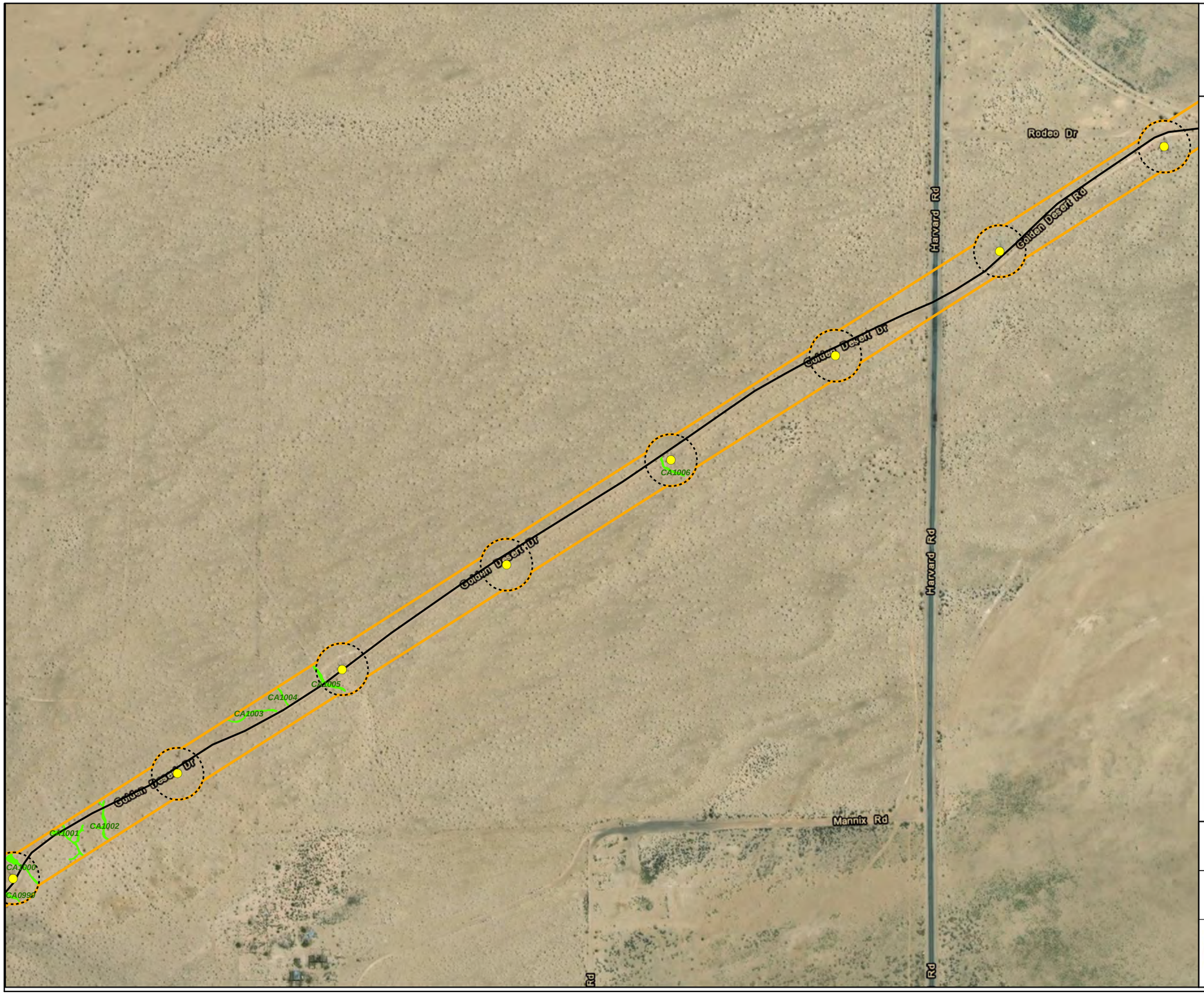
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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Legend

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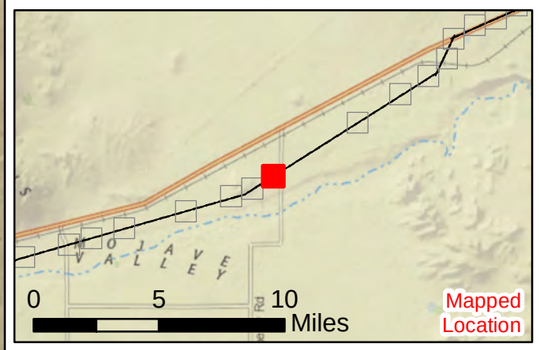
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
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Legend

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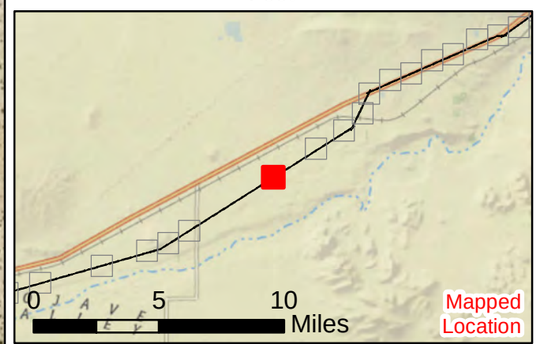
0 490 980
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Legend

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0 490 980
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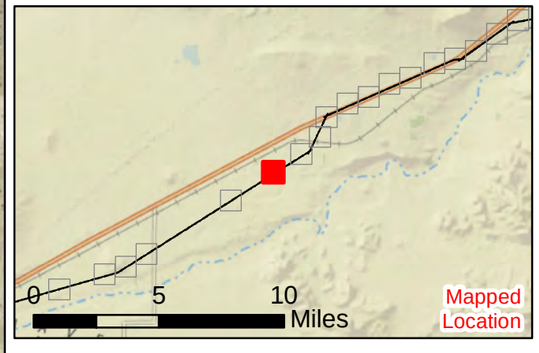

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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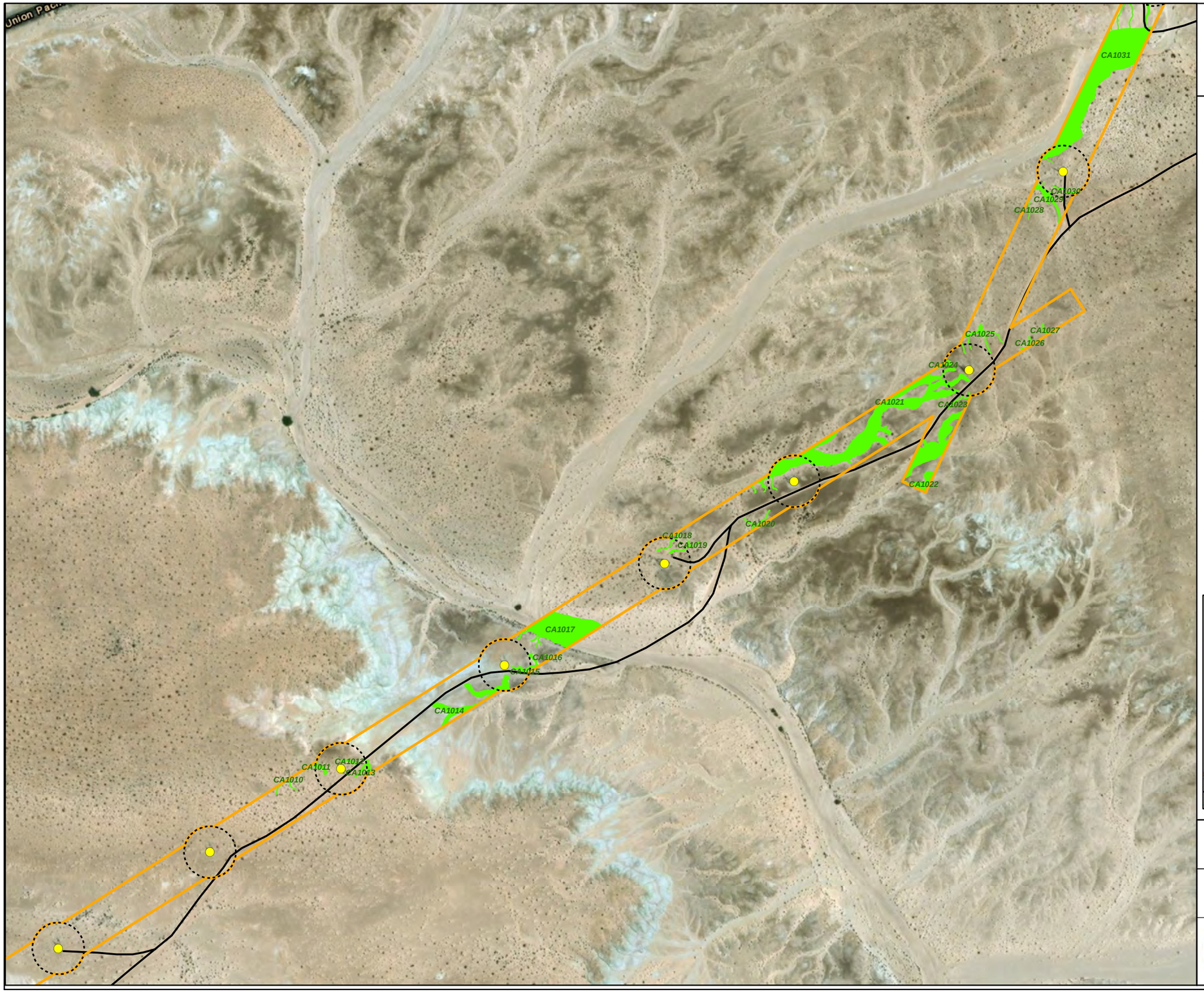

SOUTHERN CALIFORNIA EDISON
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Legend

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- Existing Structure Location
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- Survey Area
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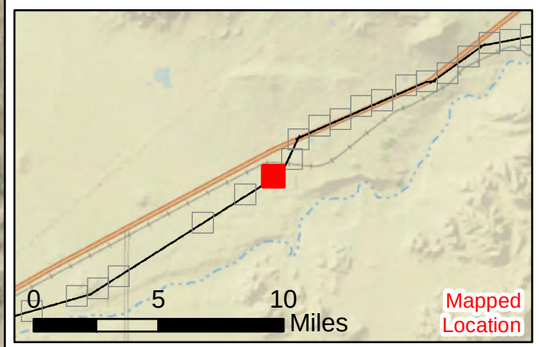
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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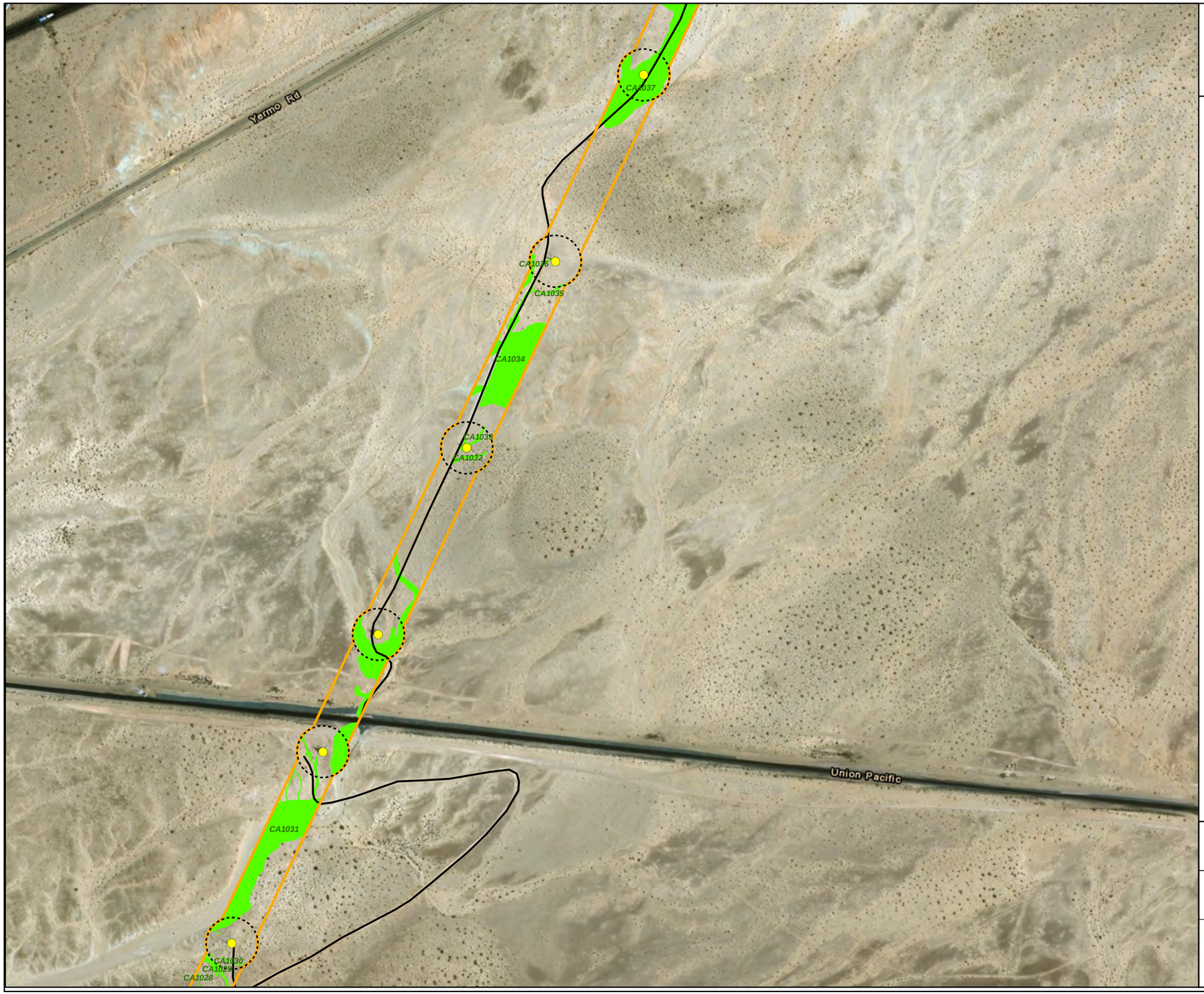

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Legend

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- Existing Structure Location
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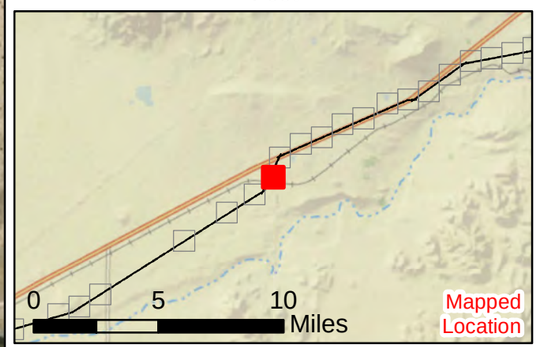
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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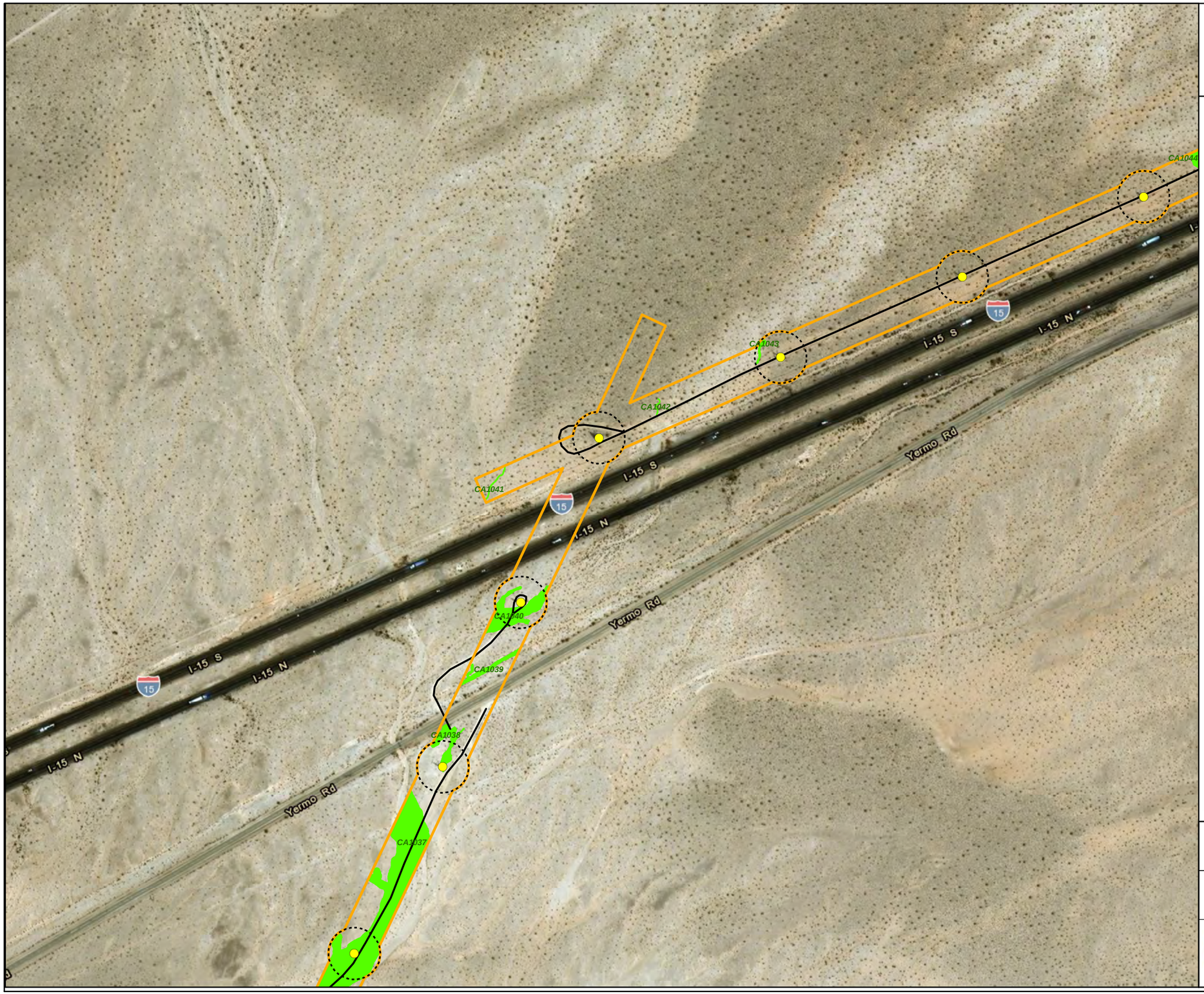
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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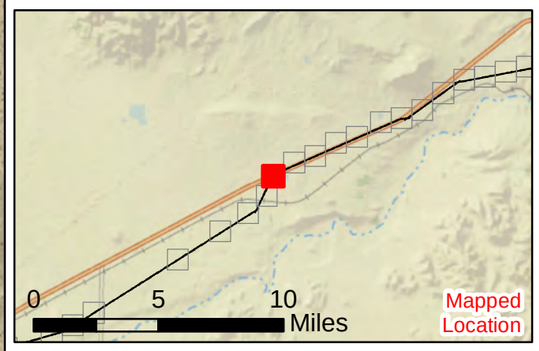
0 500 1,000
Feet



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Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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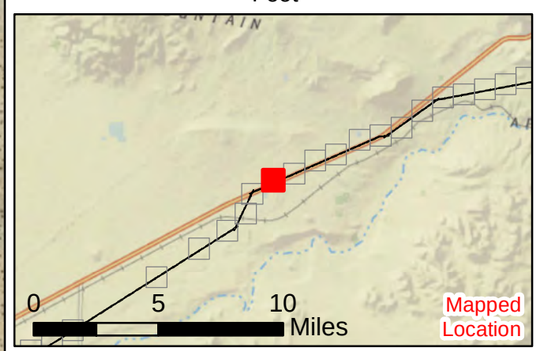
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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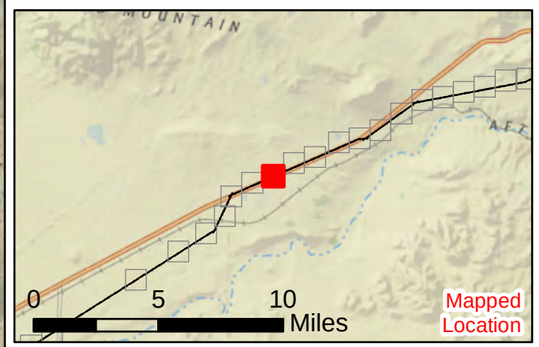

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
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0 500 1,000
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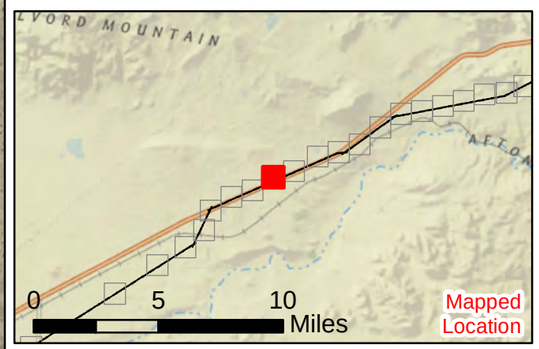

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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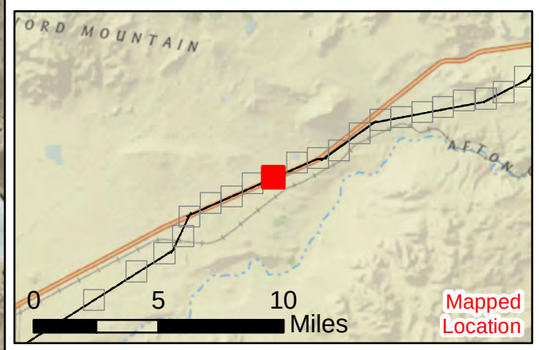

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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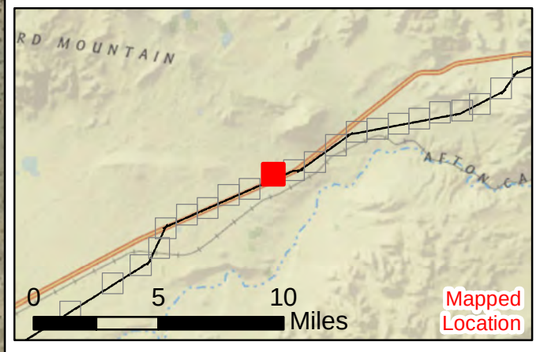

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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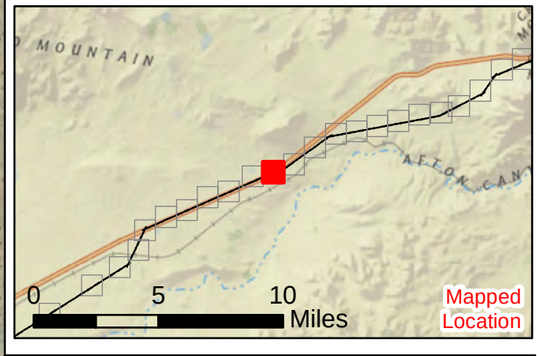

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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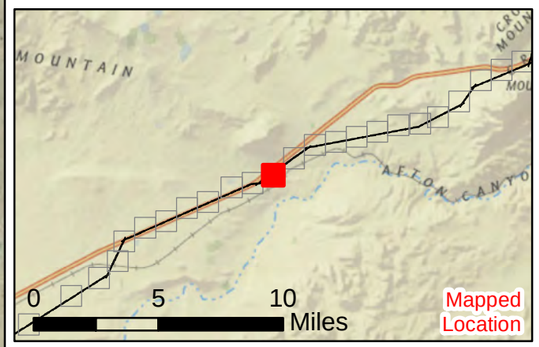

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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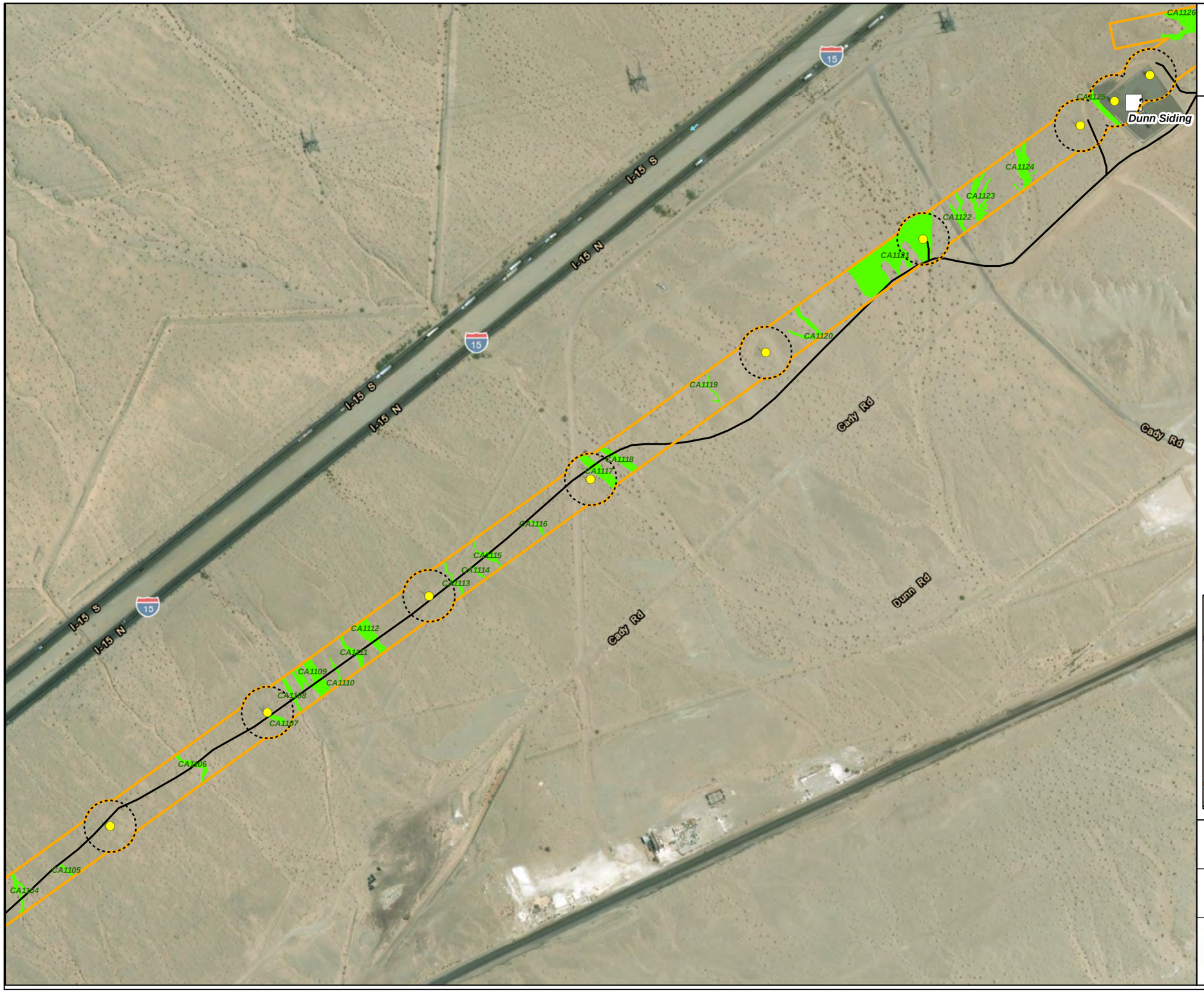

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Legend

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0 500 1,000
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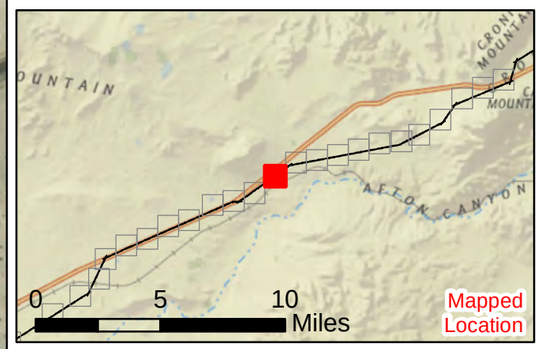

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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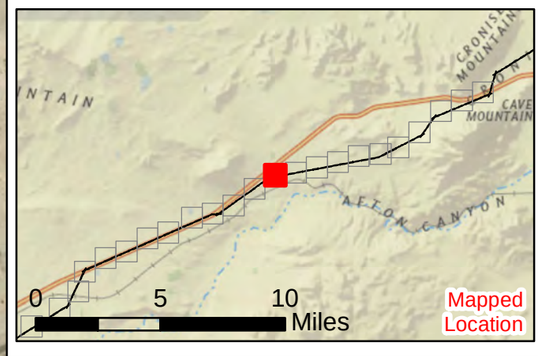

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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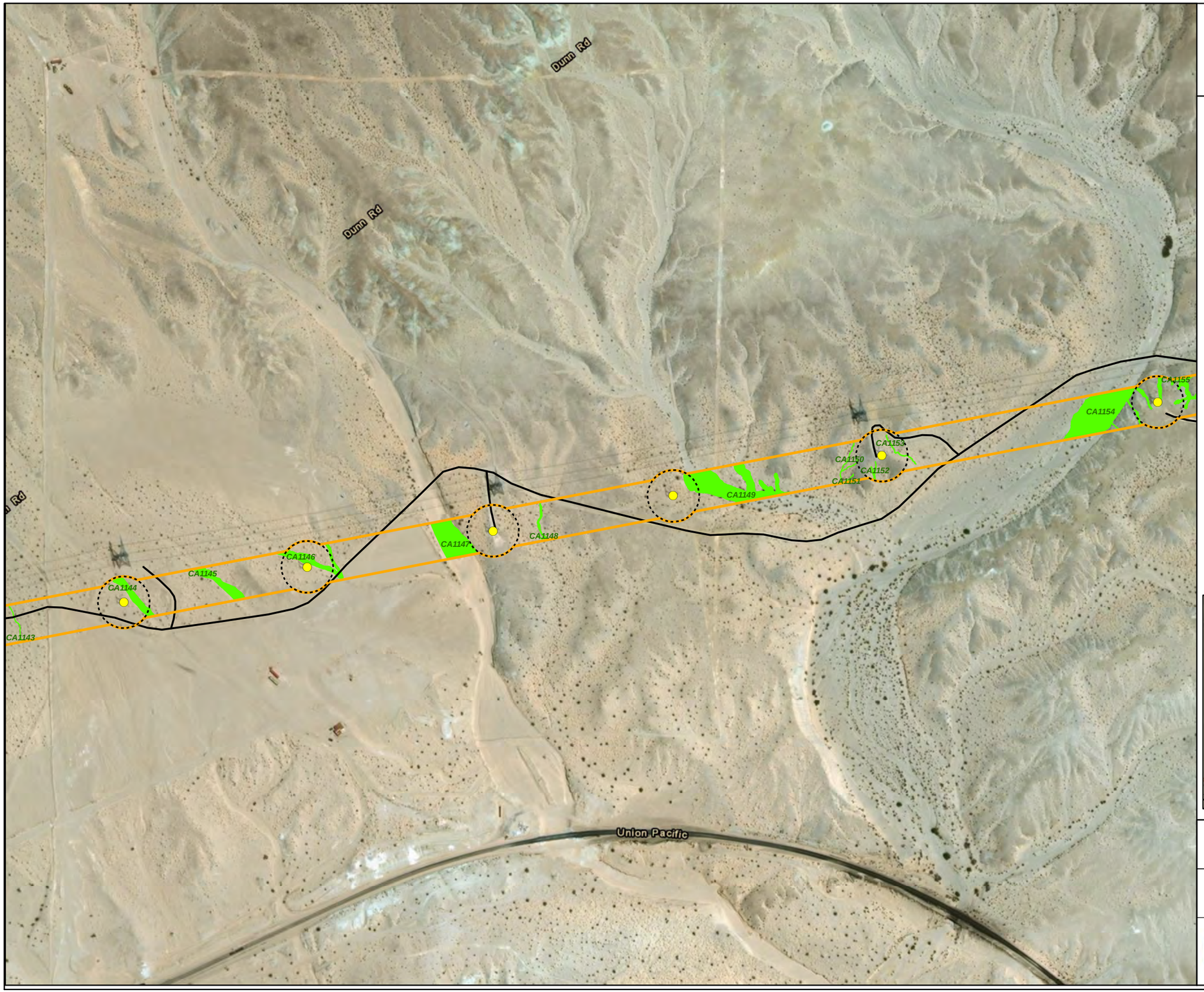
Coordinate System: NAD 1983 UTM Zone 11N

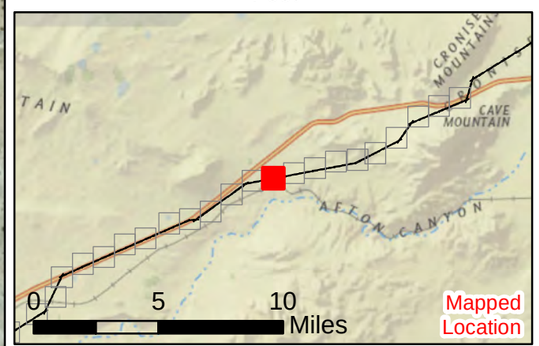


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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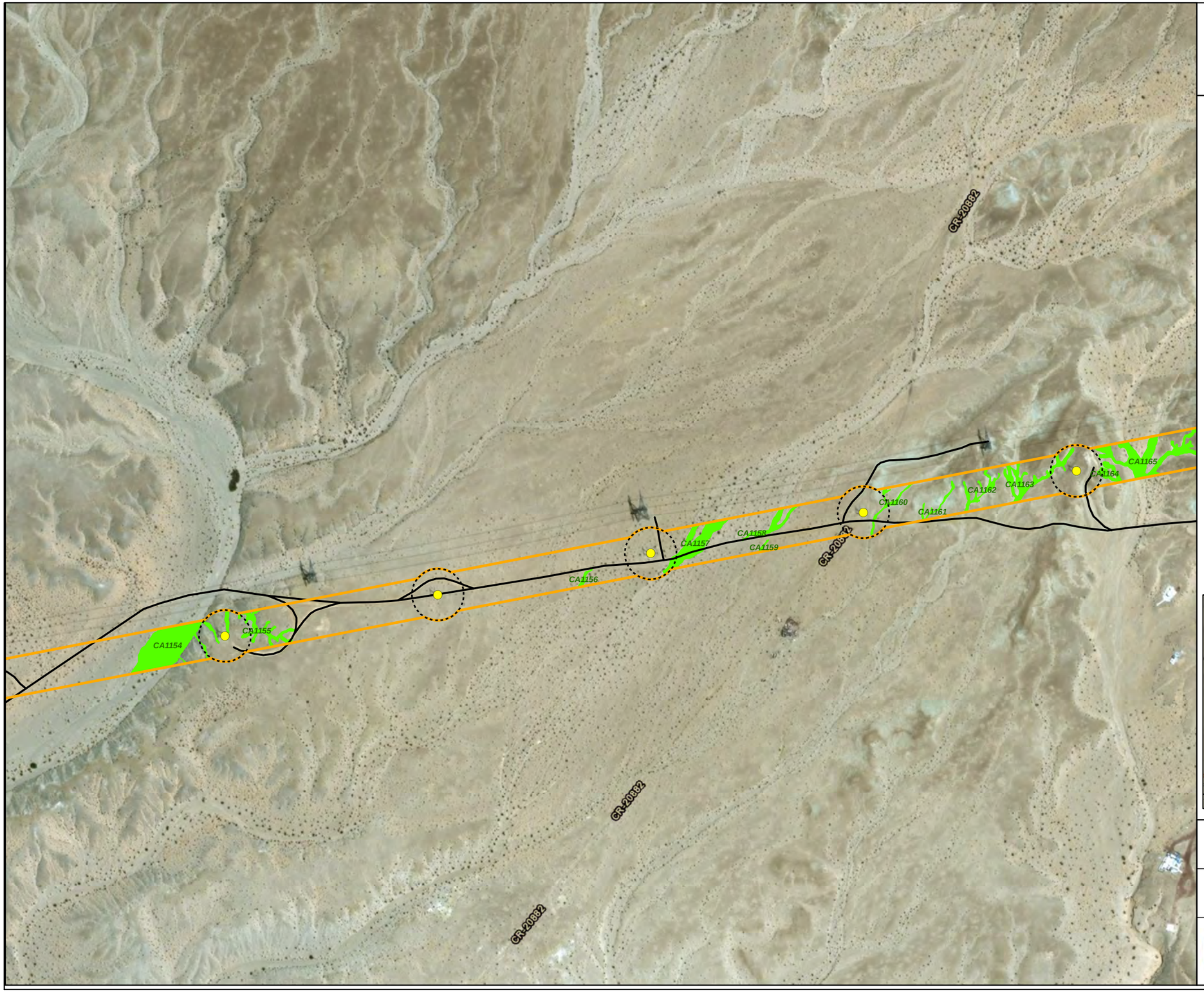

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
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- Survey Area
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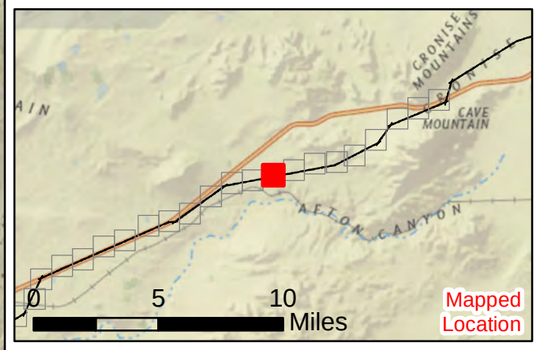
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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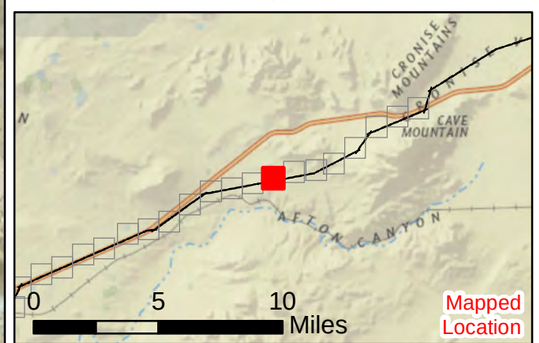
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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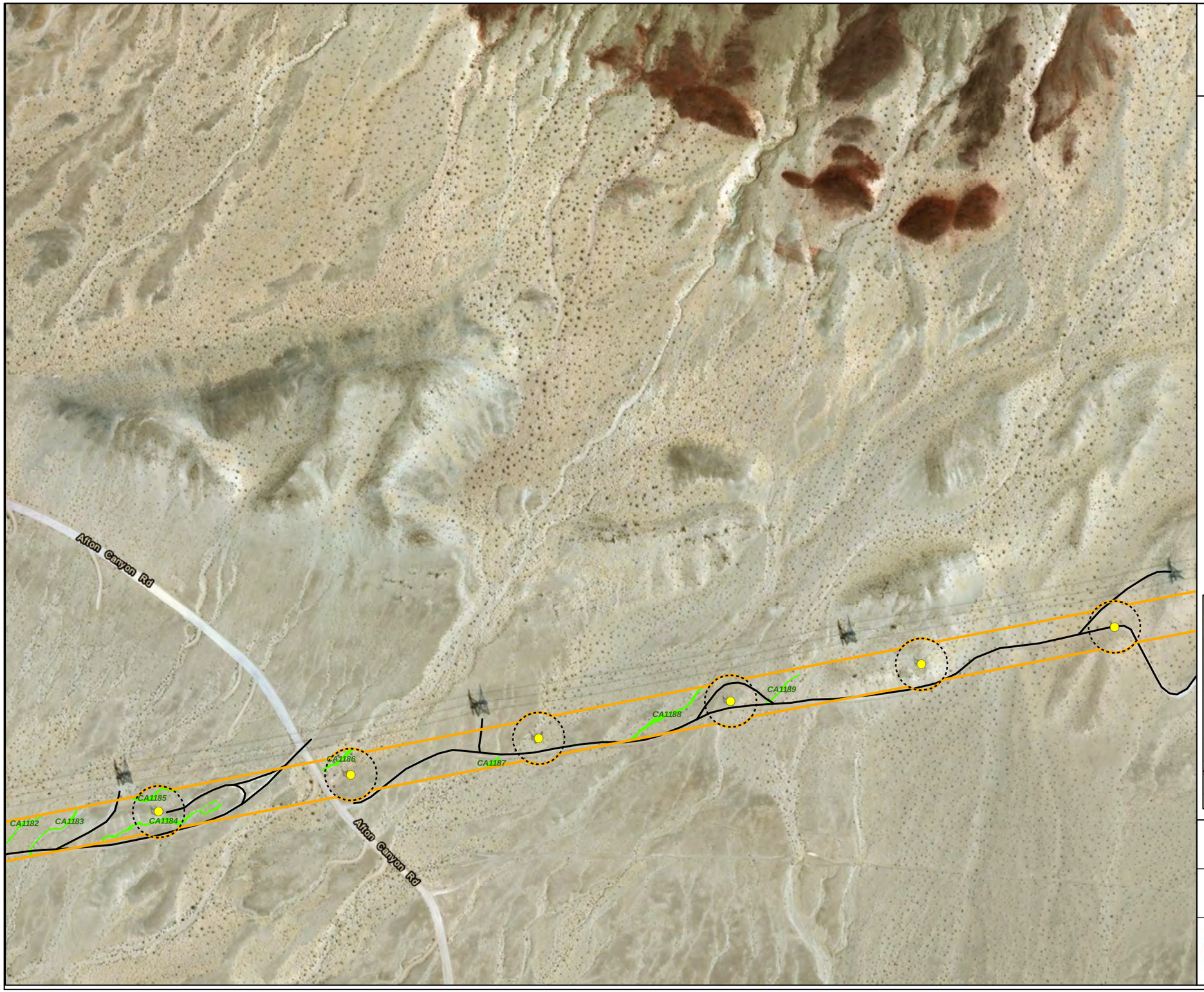

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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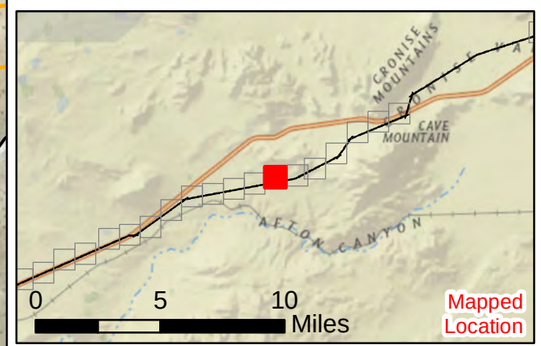
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Survey Area
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- CDFW State Waters
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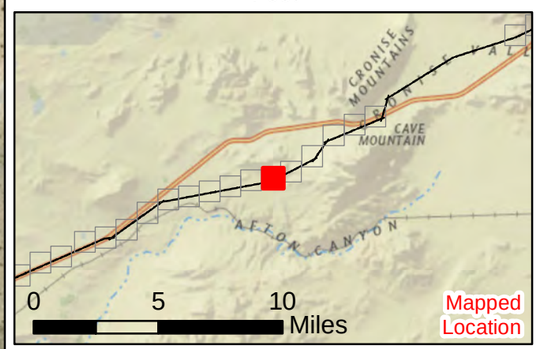
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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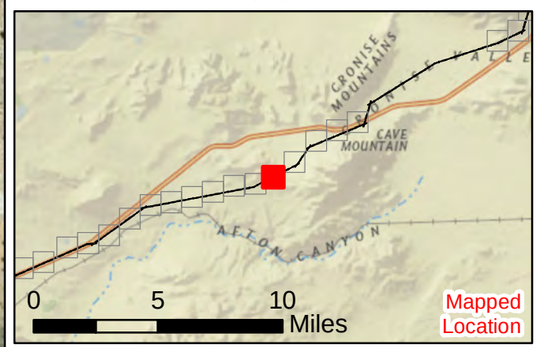
0 500 1,000
Feet



Transmission Line Rating Remediation Project

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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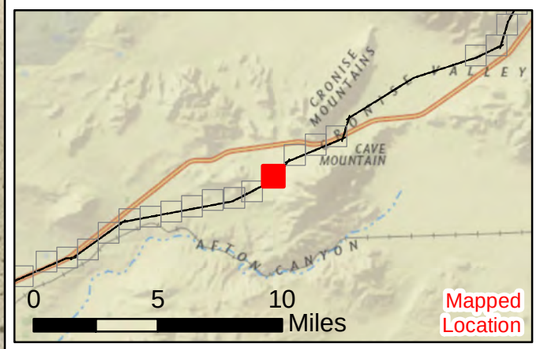
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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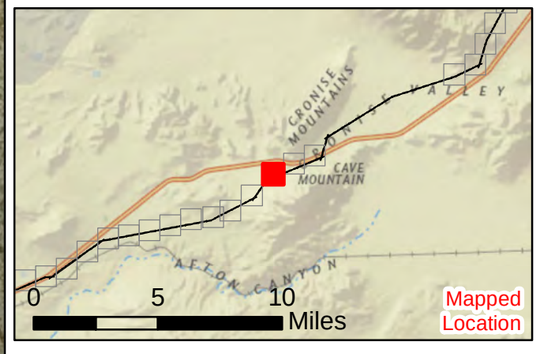
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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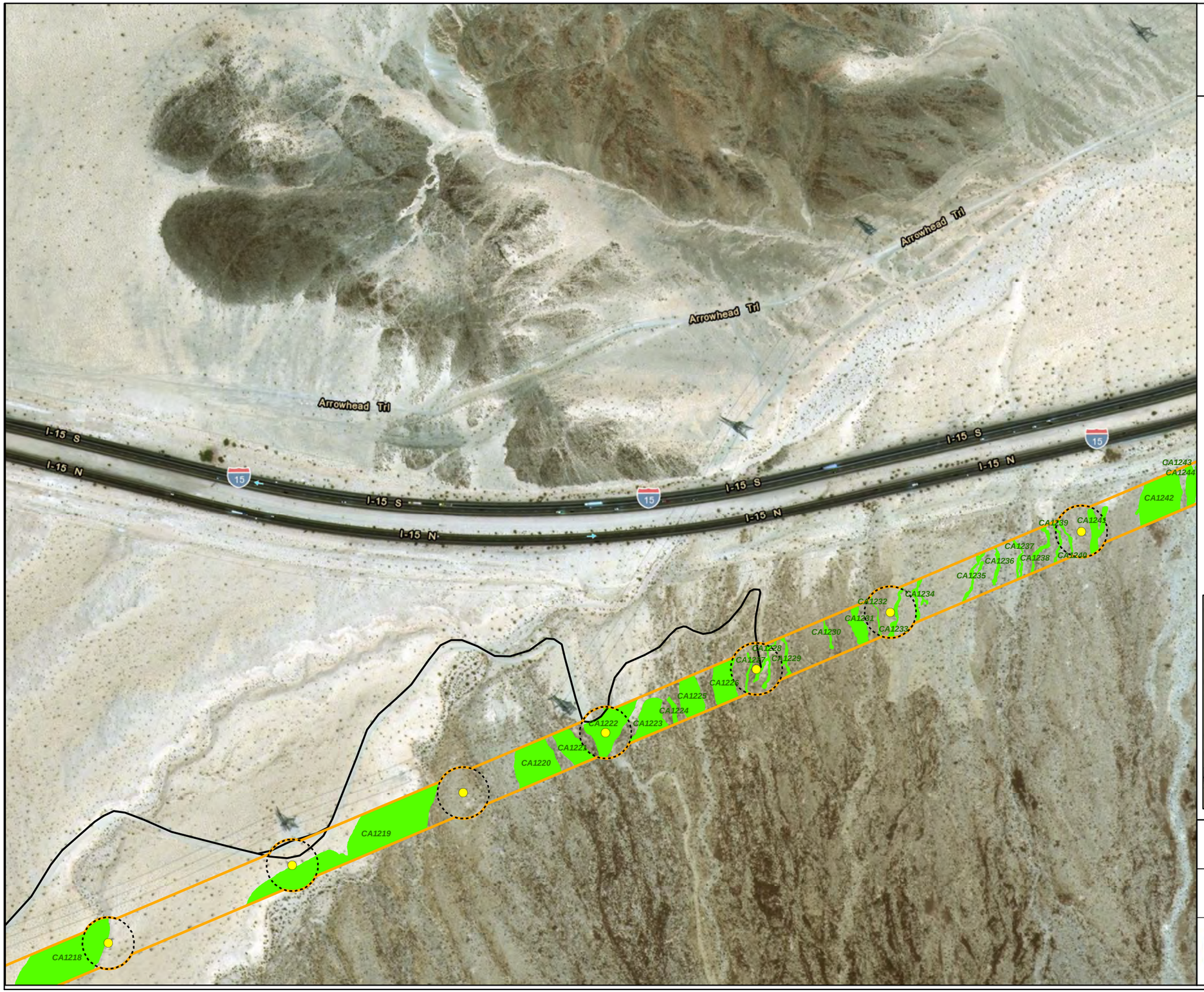

SOUTHERN CALIFORNIA EDISON
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Legend

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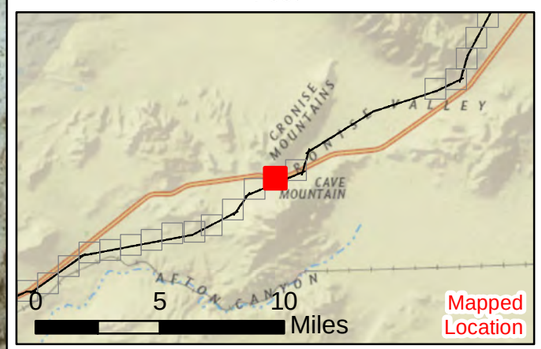
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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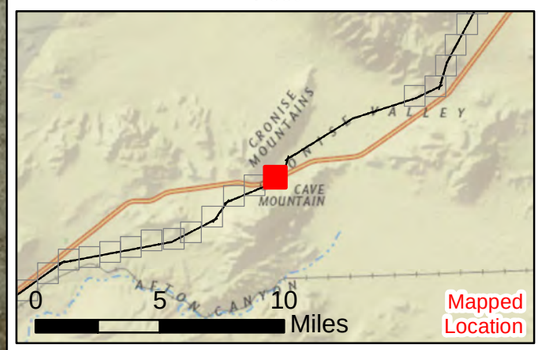

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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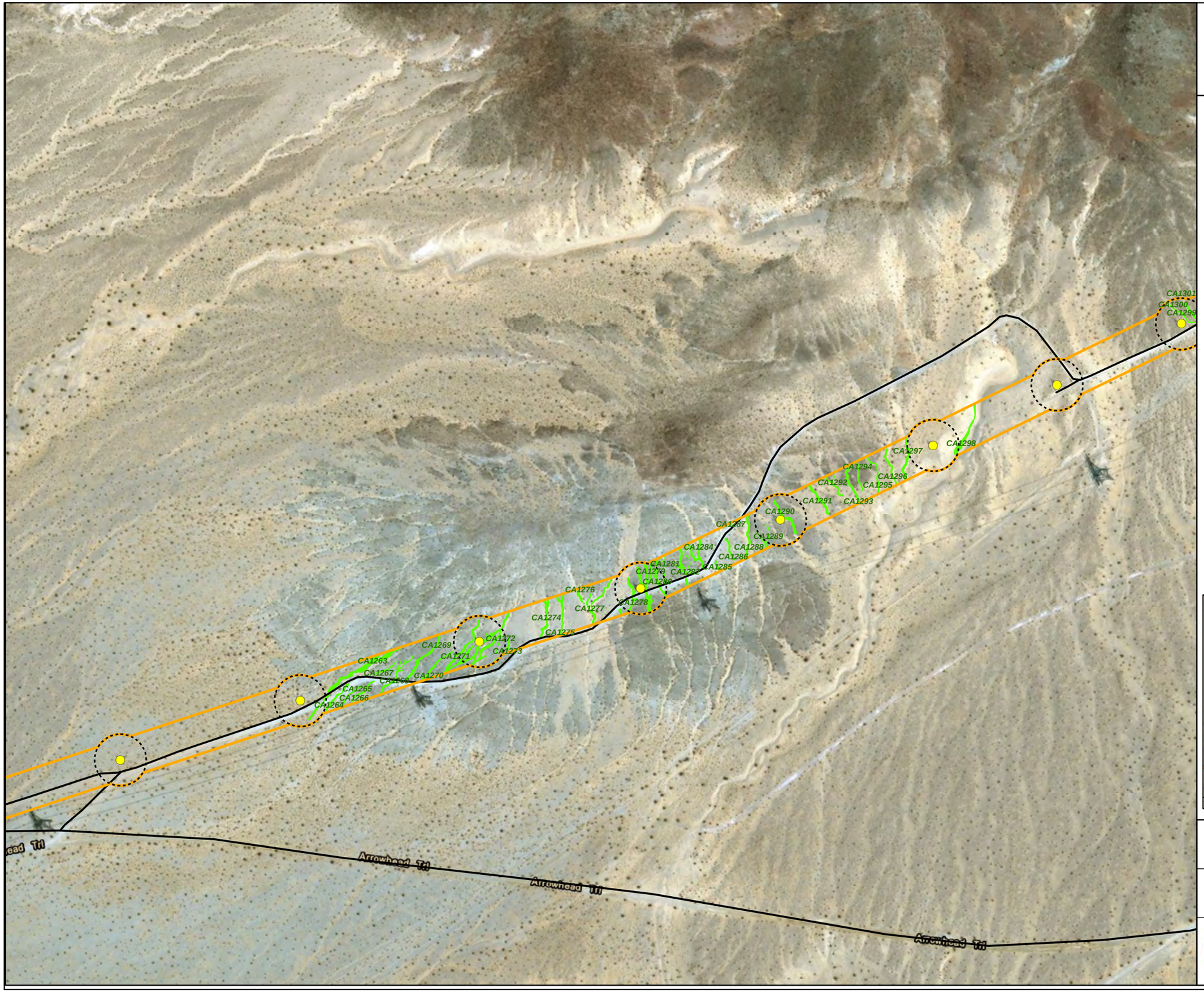

SOUTHERN CALIFORNIA EDISON
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Legend

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0 500 1,000
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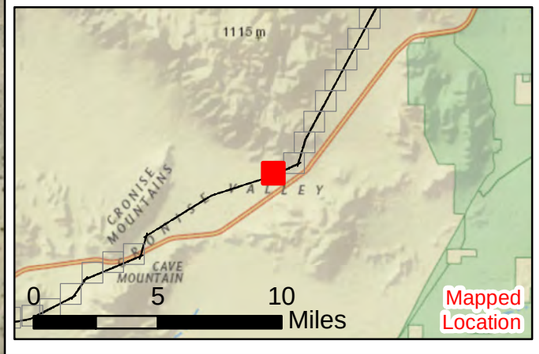

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON®
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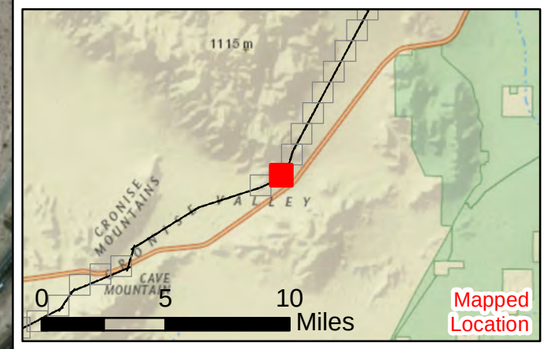
Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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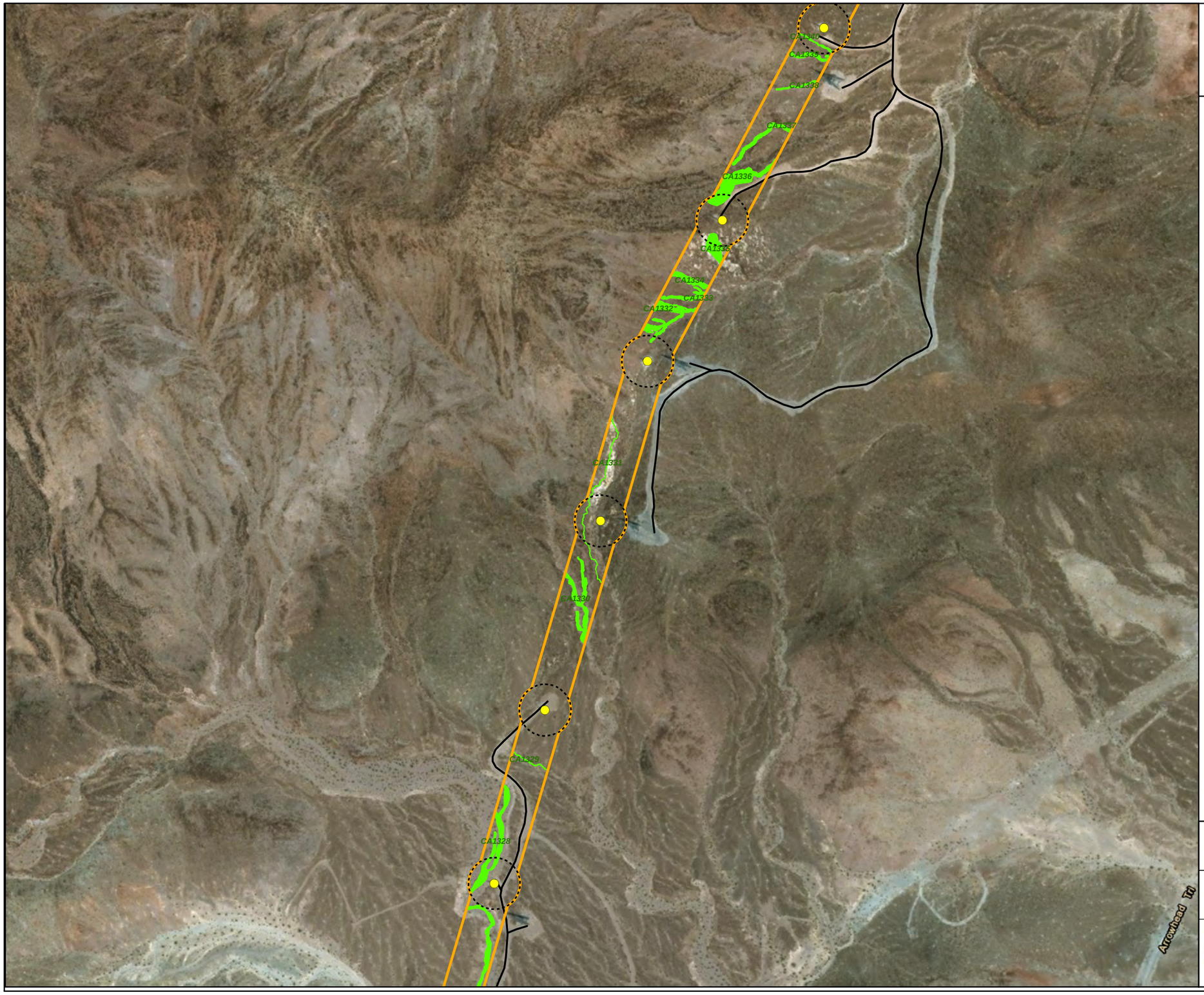

SOUTHERN CALIFORNIA EDISON
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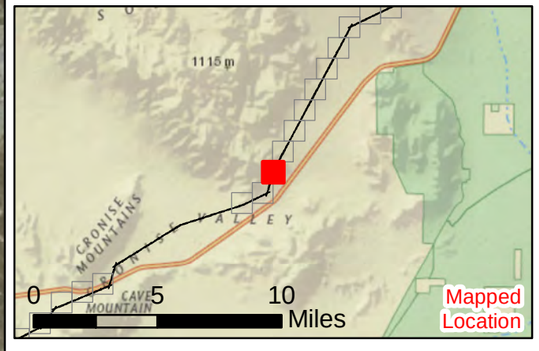

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Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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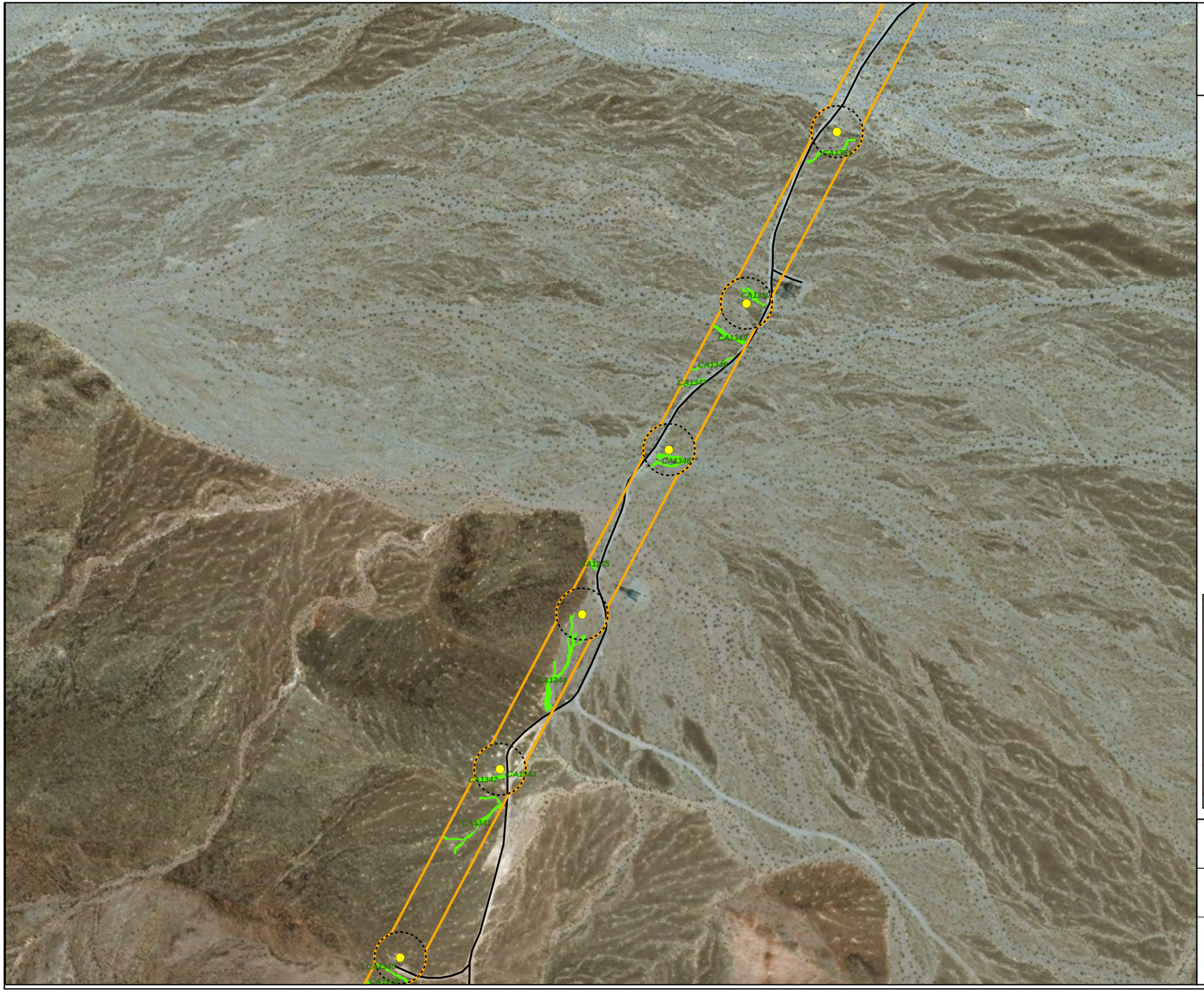

SOUTHERN CALIFORNIA EDISON®
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Legend

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- Existing Structure Location
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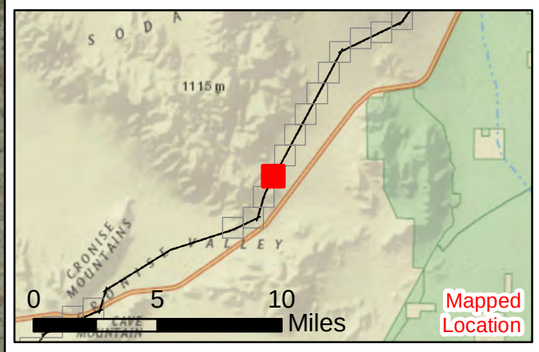
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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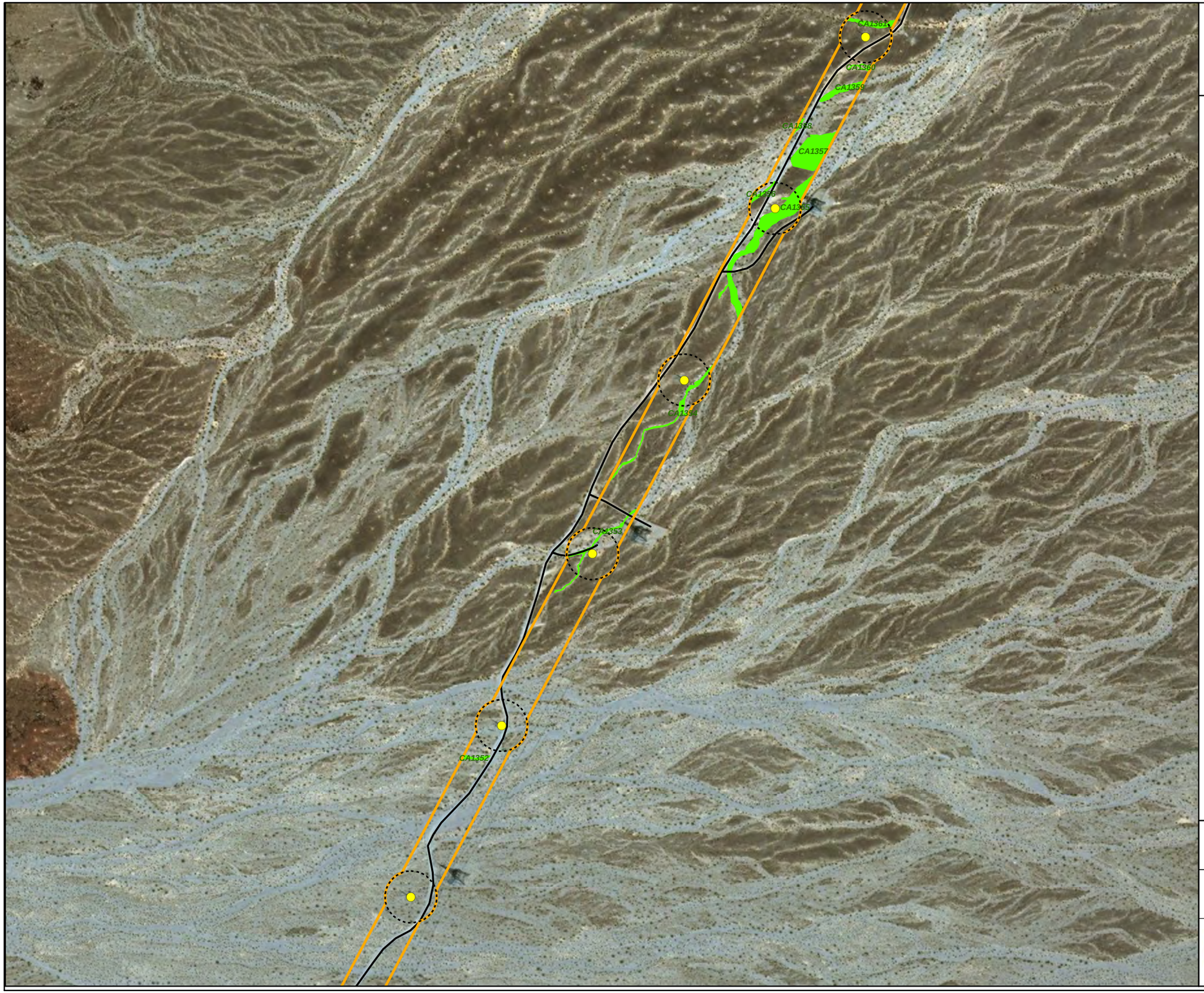

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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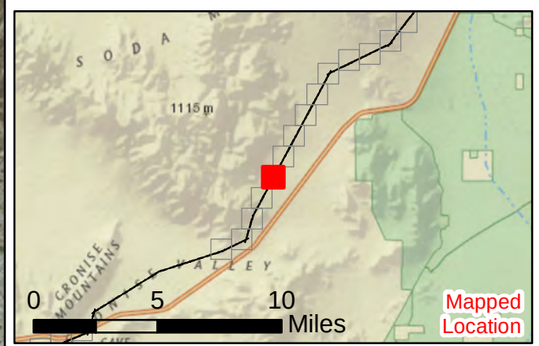

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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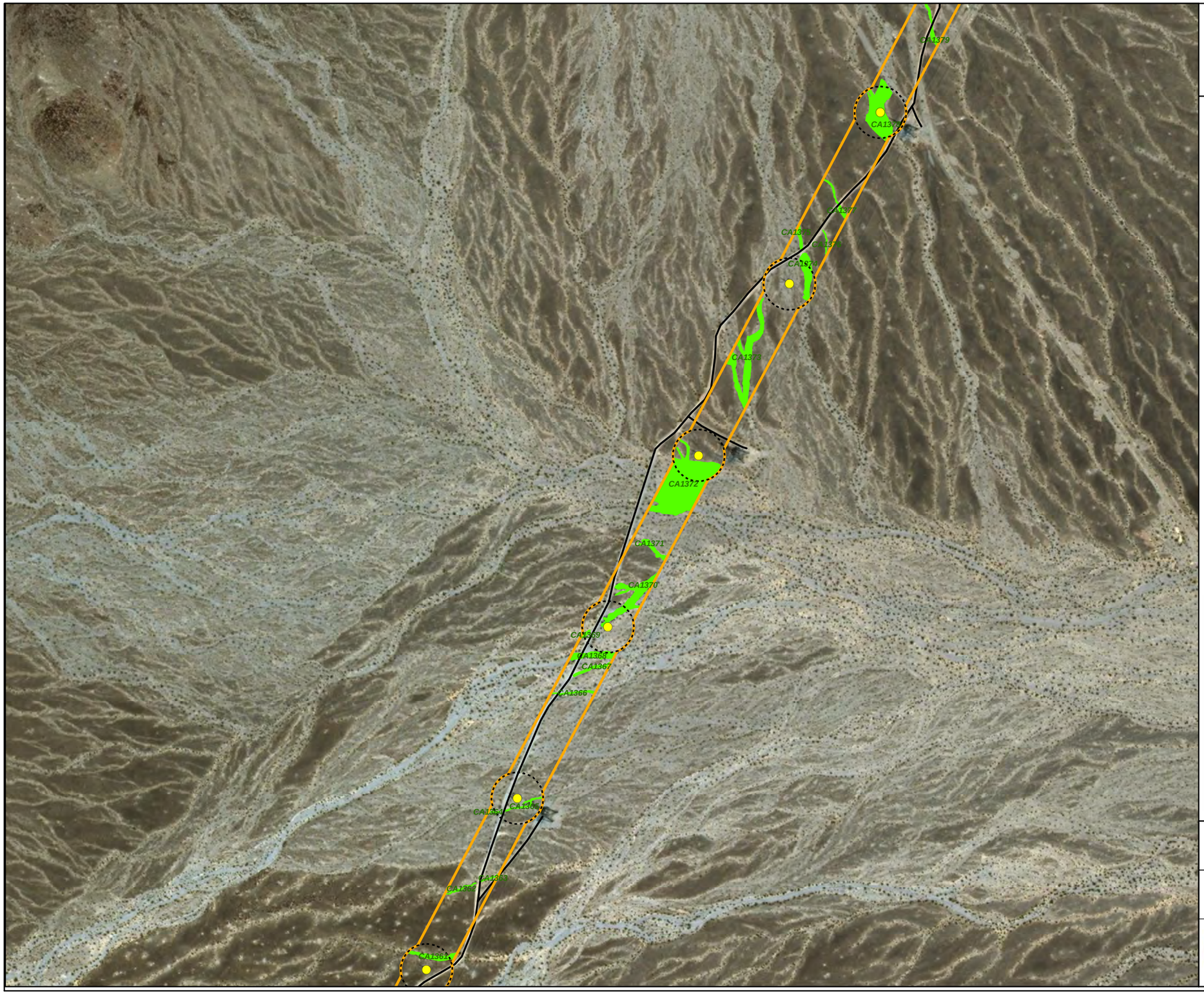

SOUTHERN CALIFORNIA EDISON
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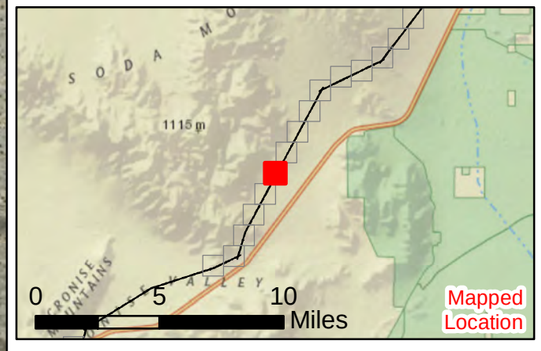

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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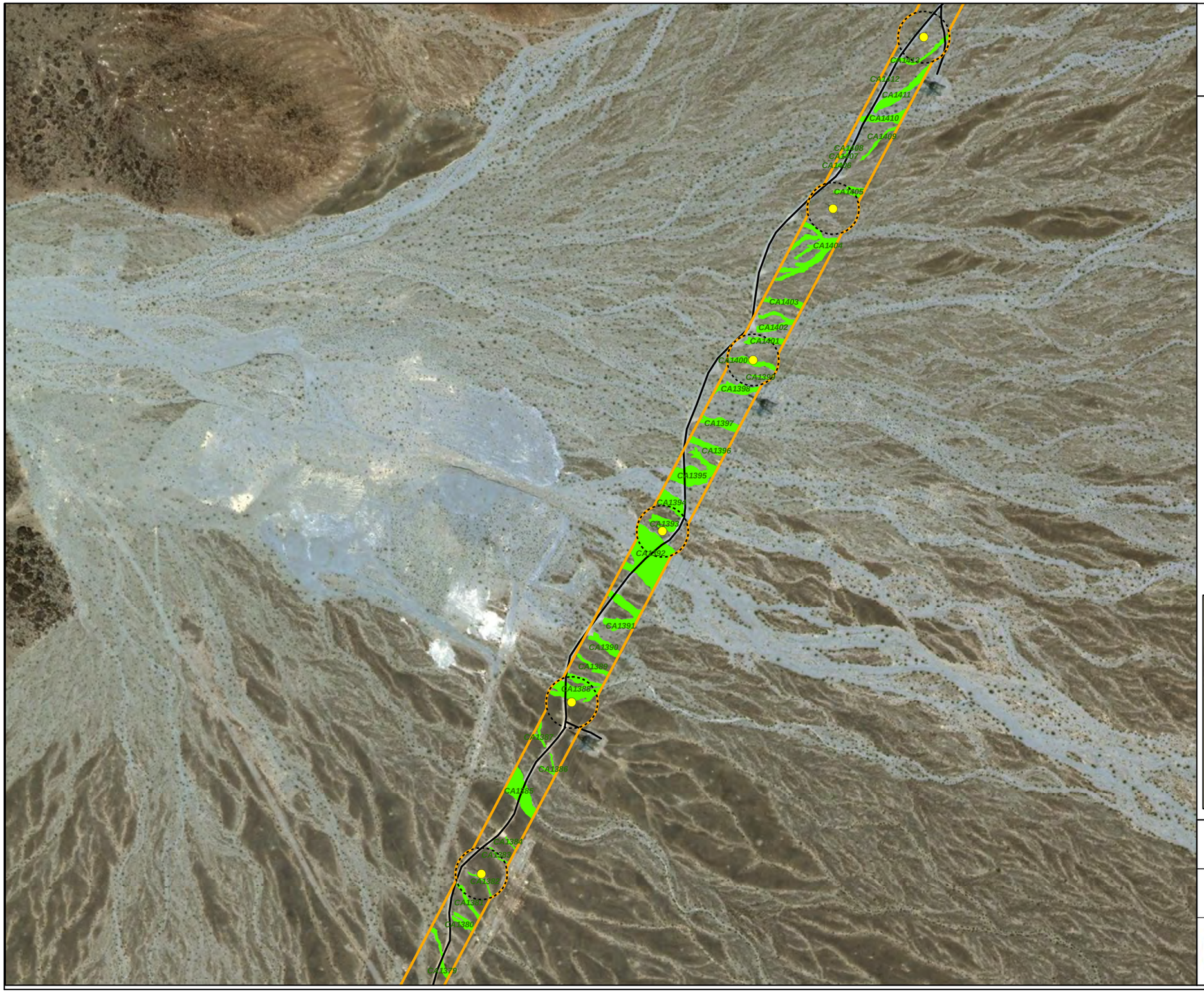

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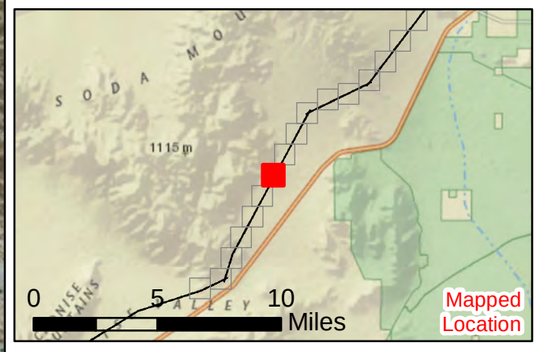

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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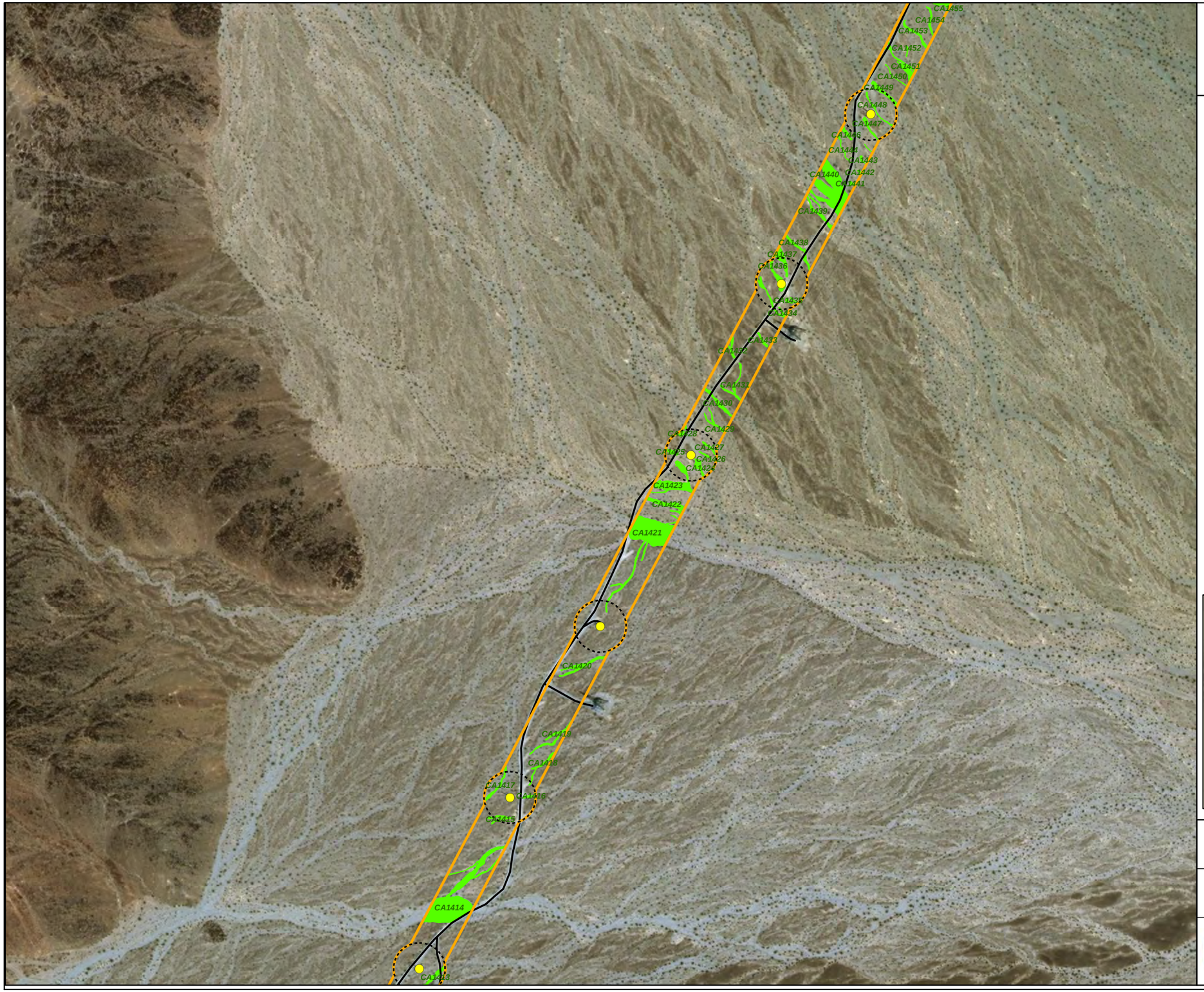

SOUTHERN CALIFORNIA EDISON®
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Legend

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0 500 1,000
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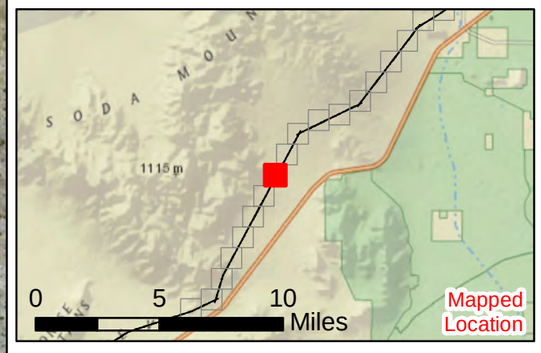

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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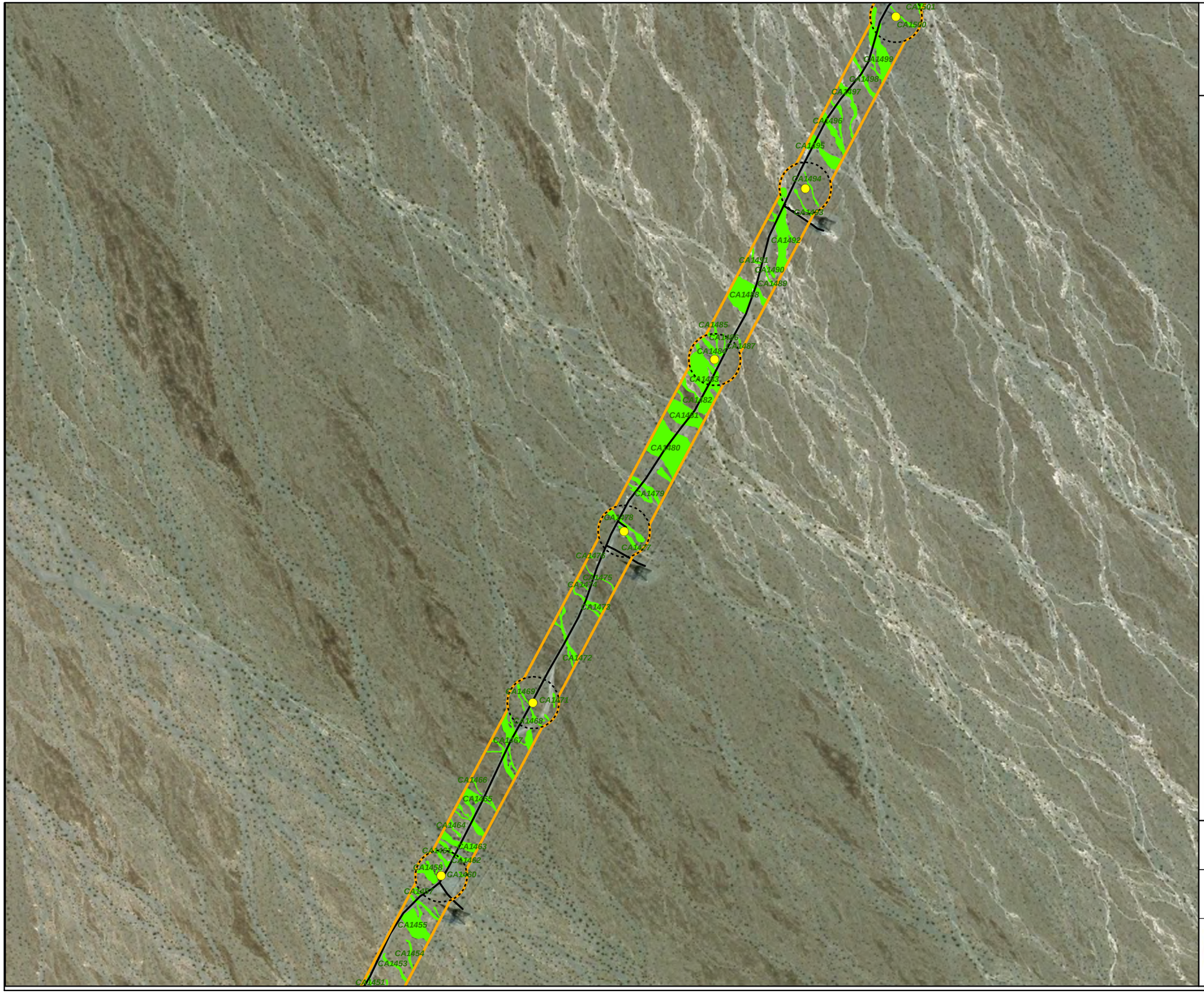
Coordinate System: NAD 1983 UTM Zone 11N

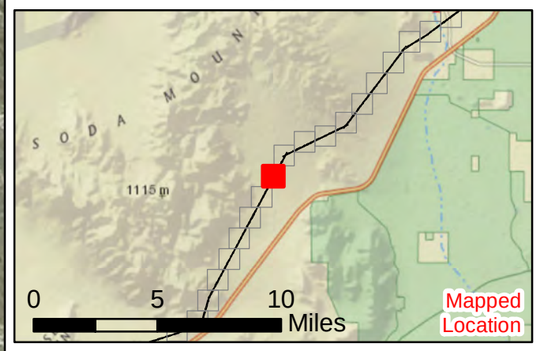


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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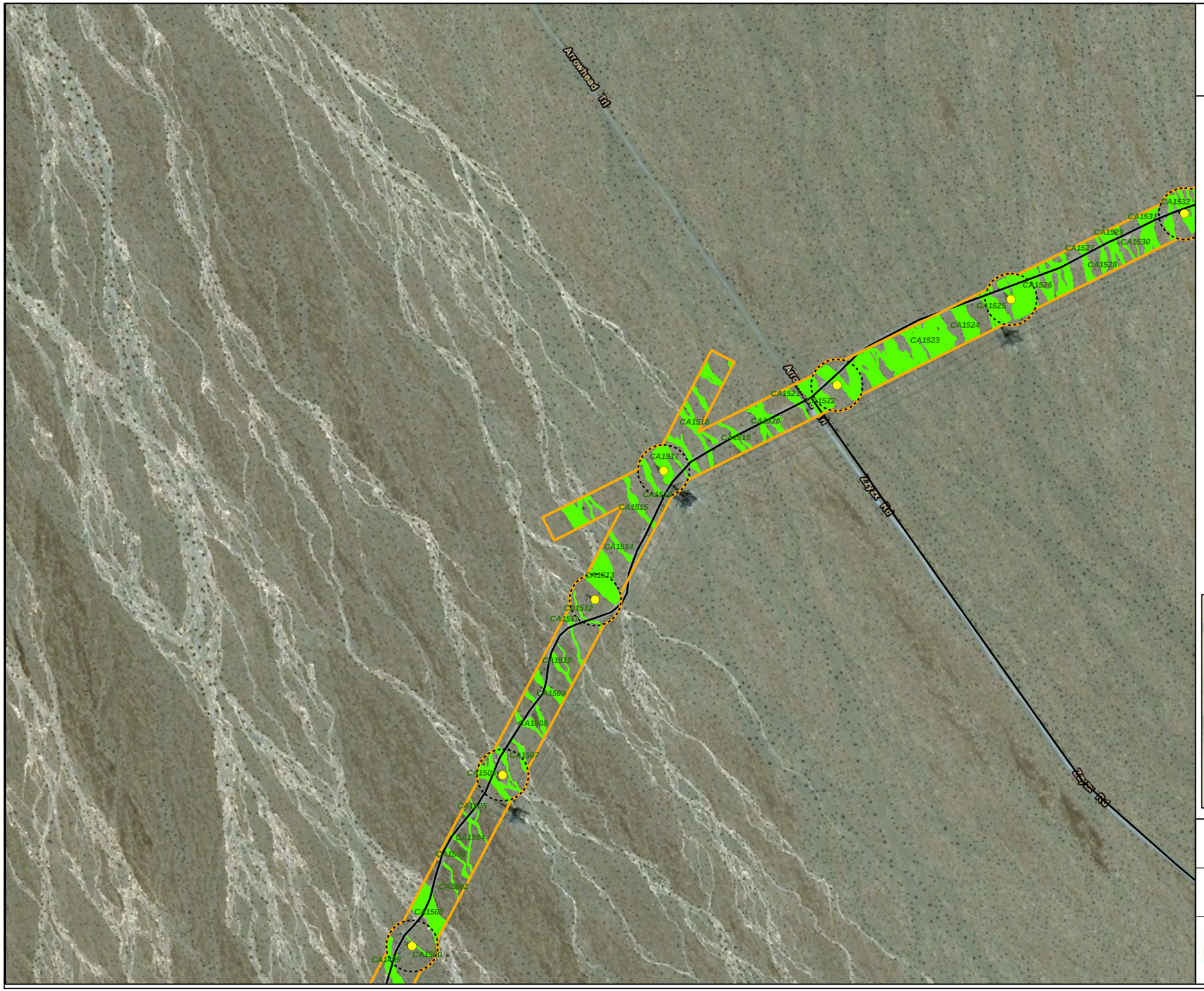
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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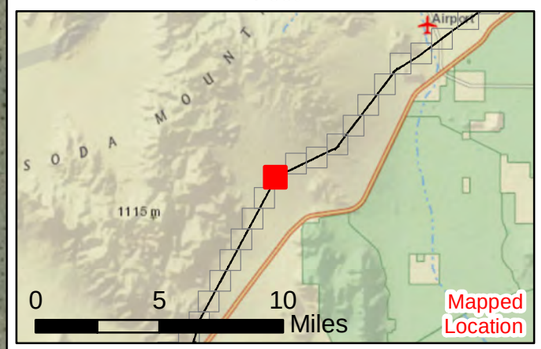
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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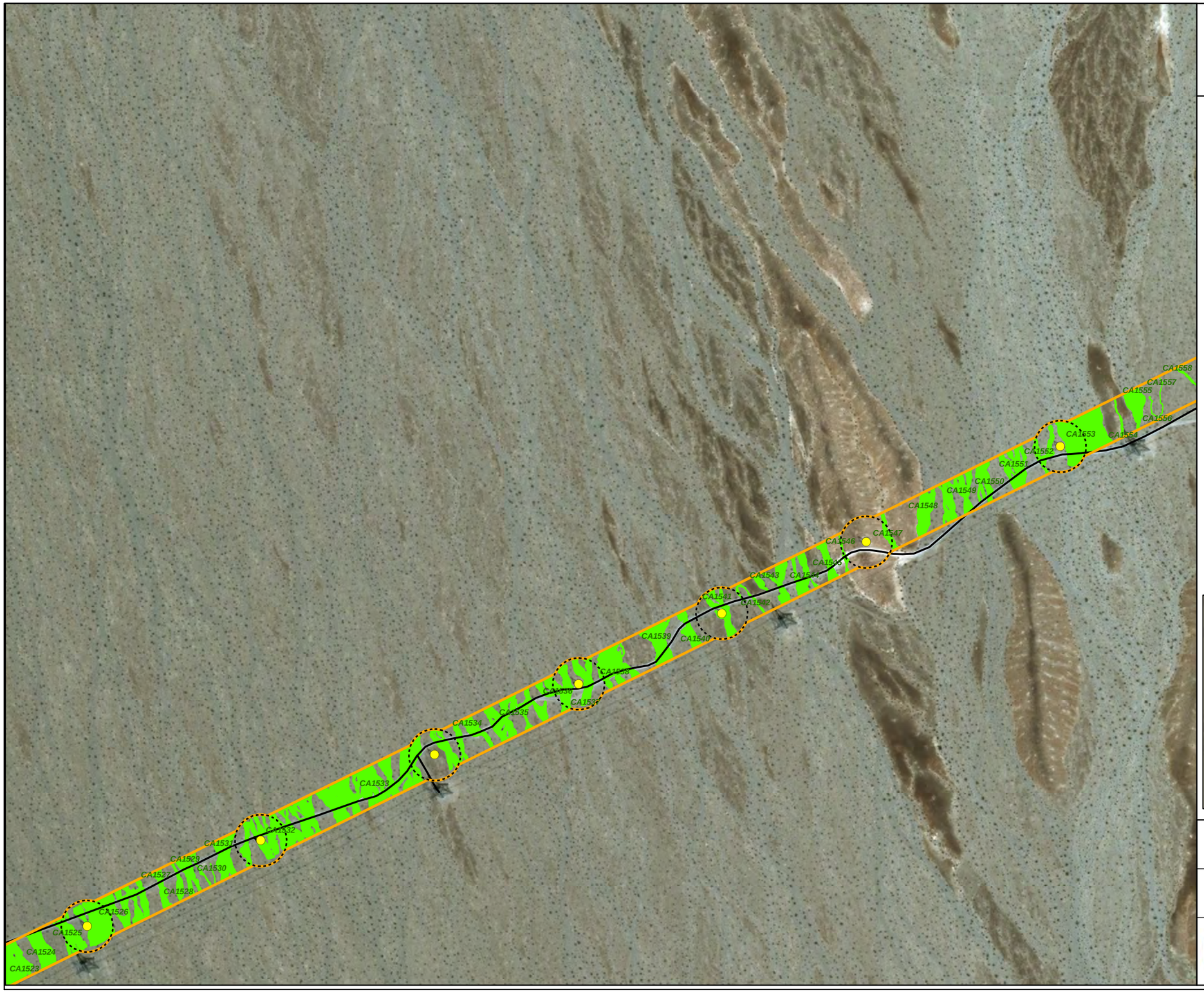
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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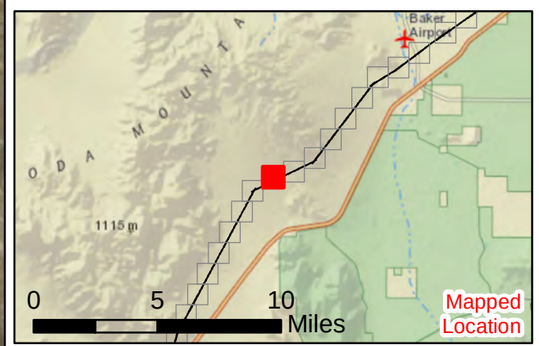
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Survey Area
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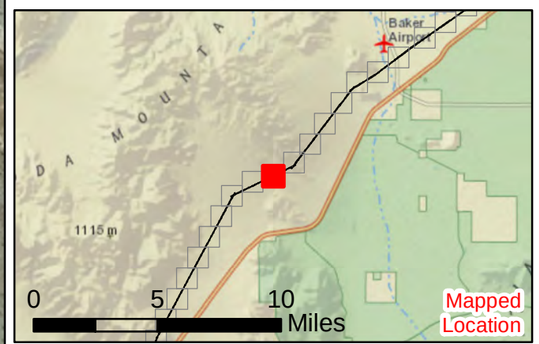
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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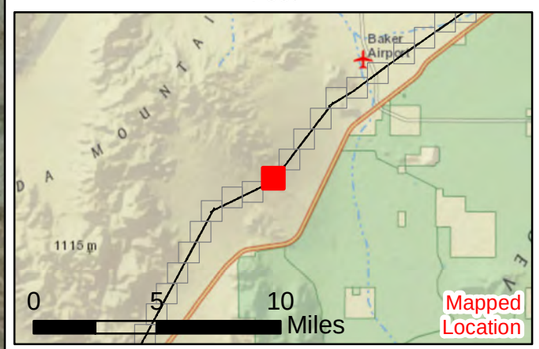
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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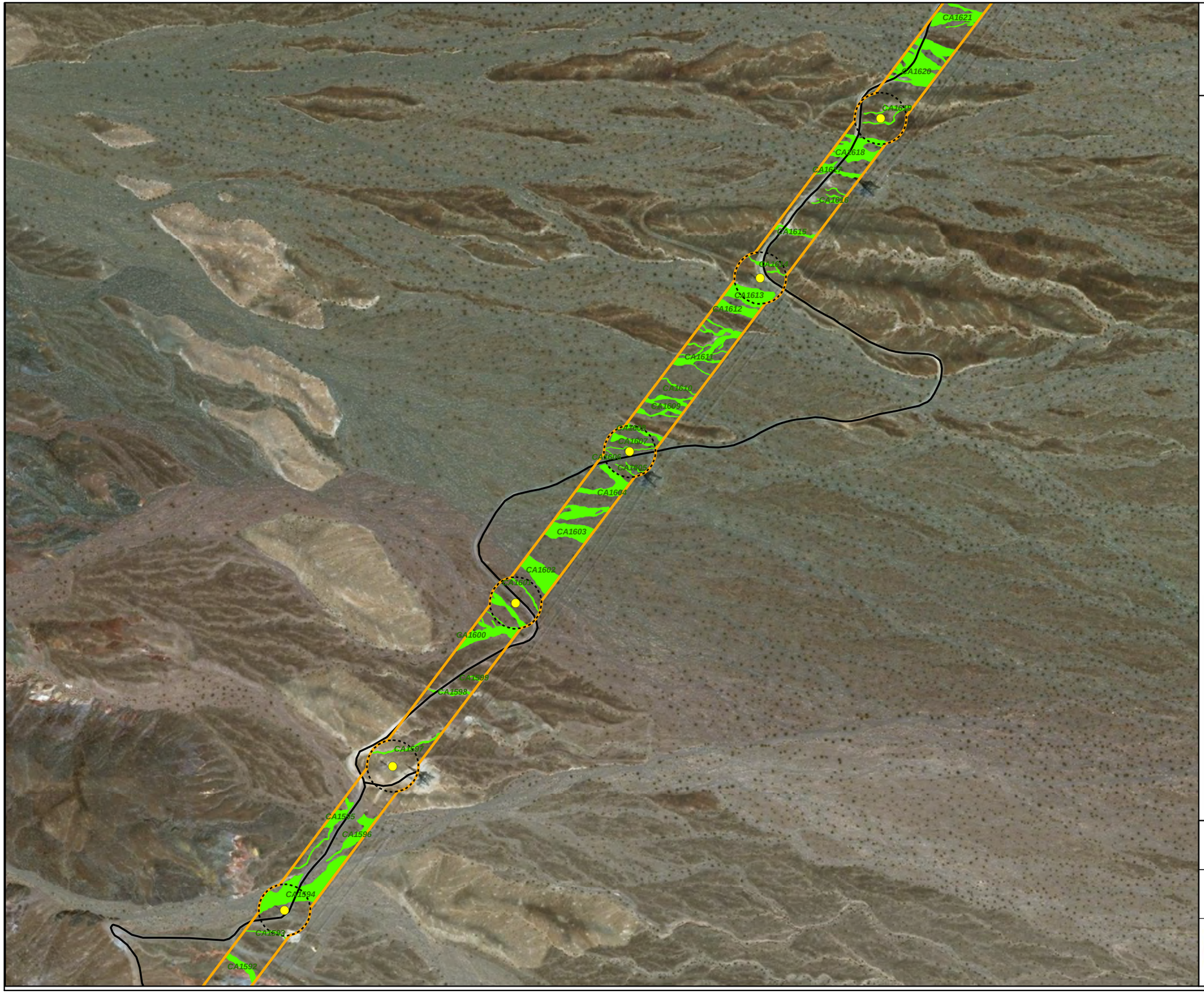
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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Legend

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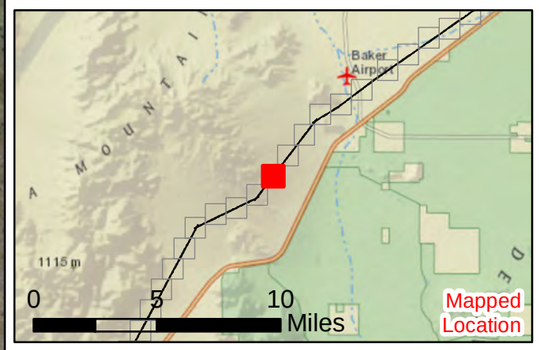
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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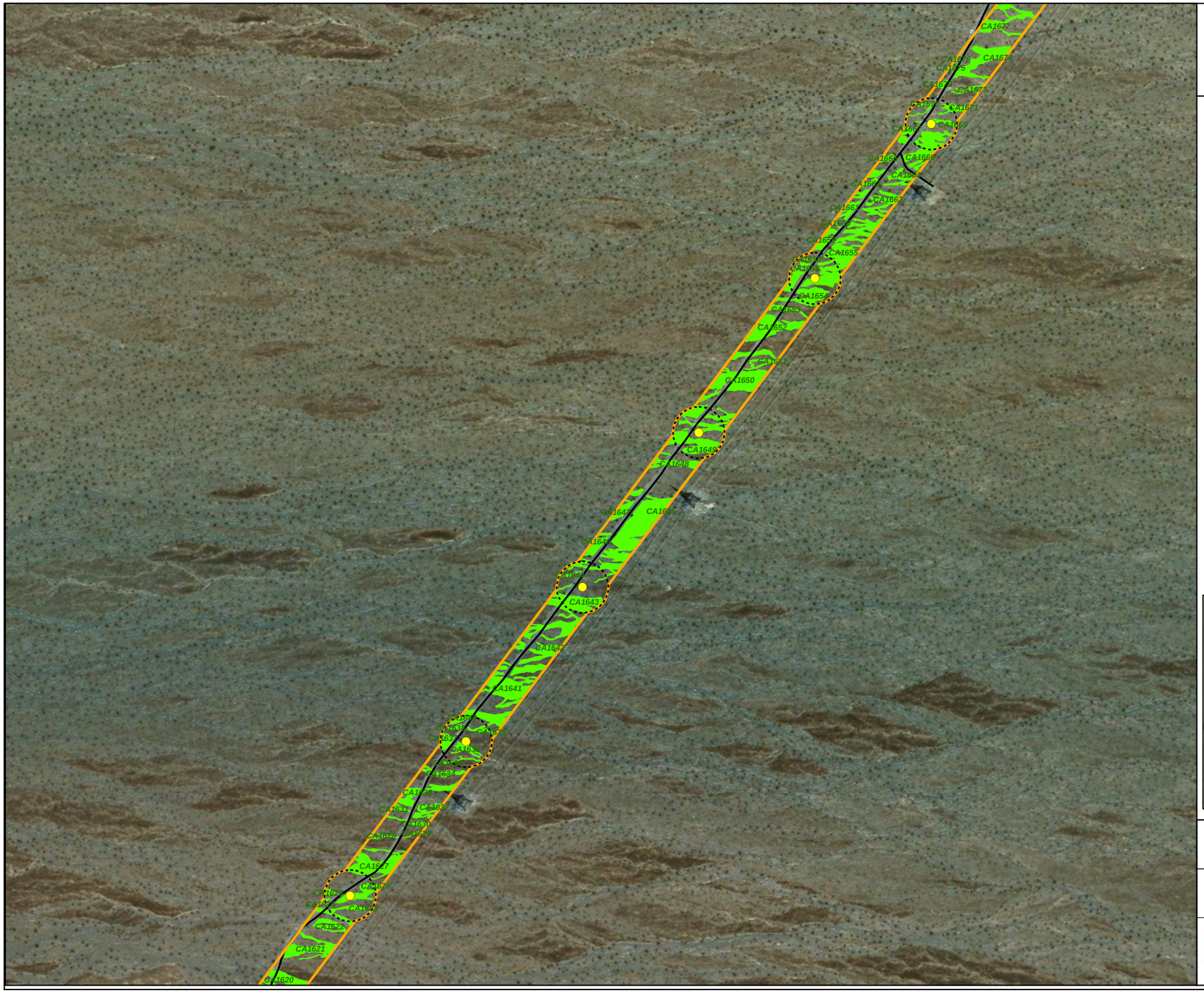
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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Legend

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- Survey Area
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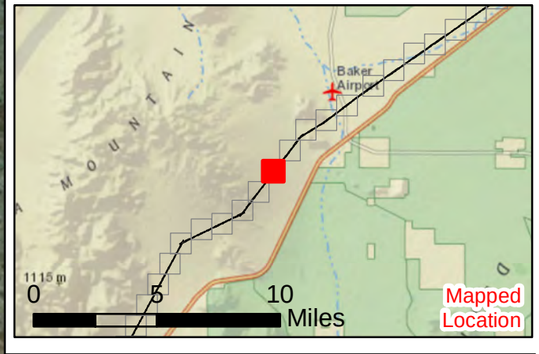
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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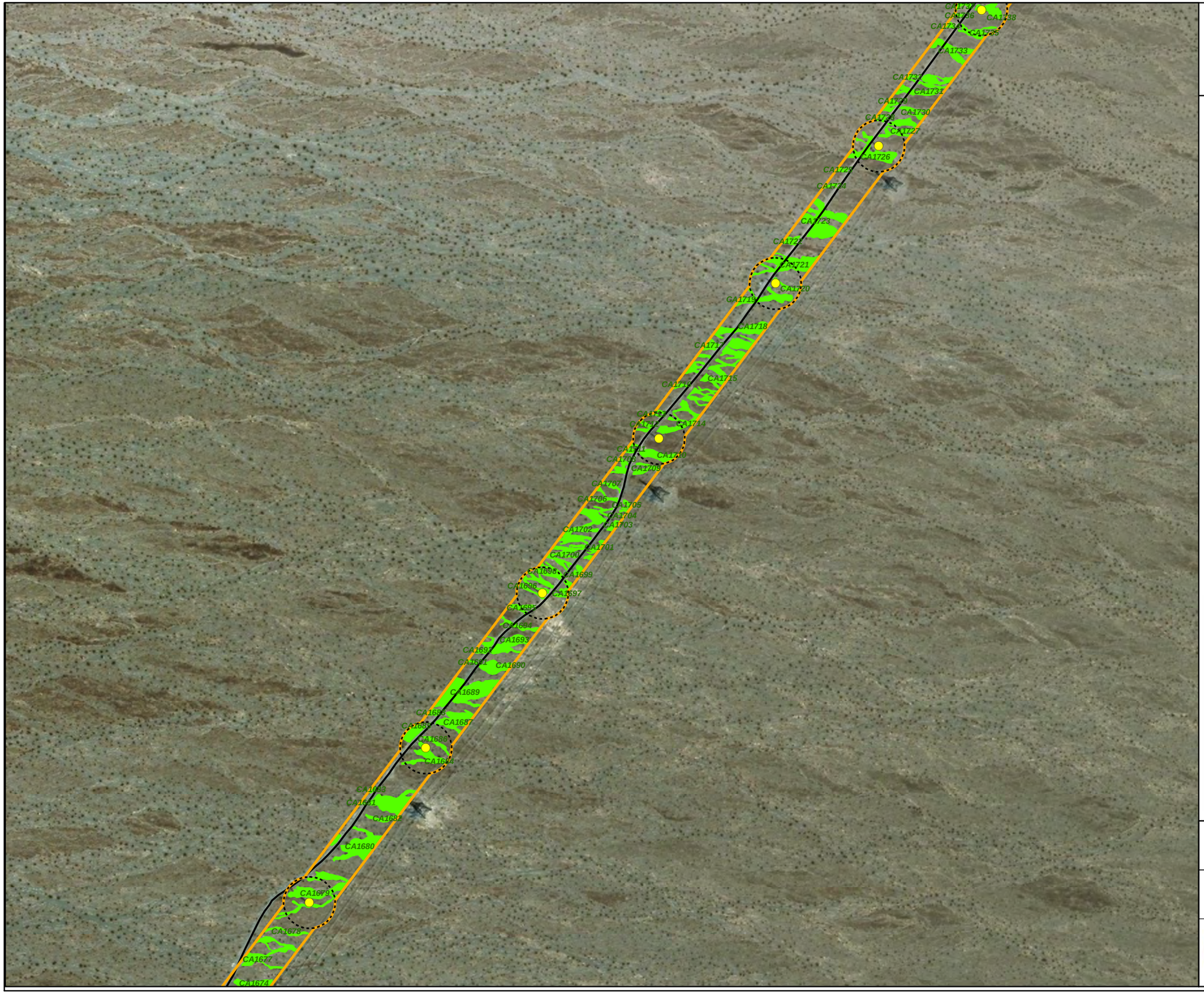
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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Legend

- Photo Locations
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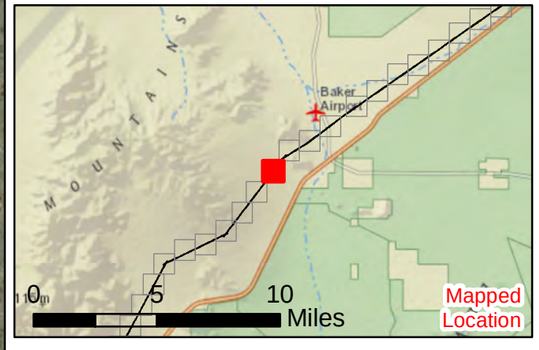
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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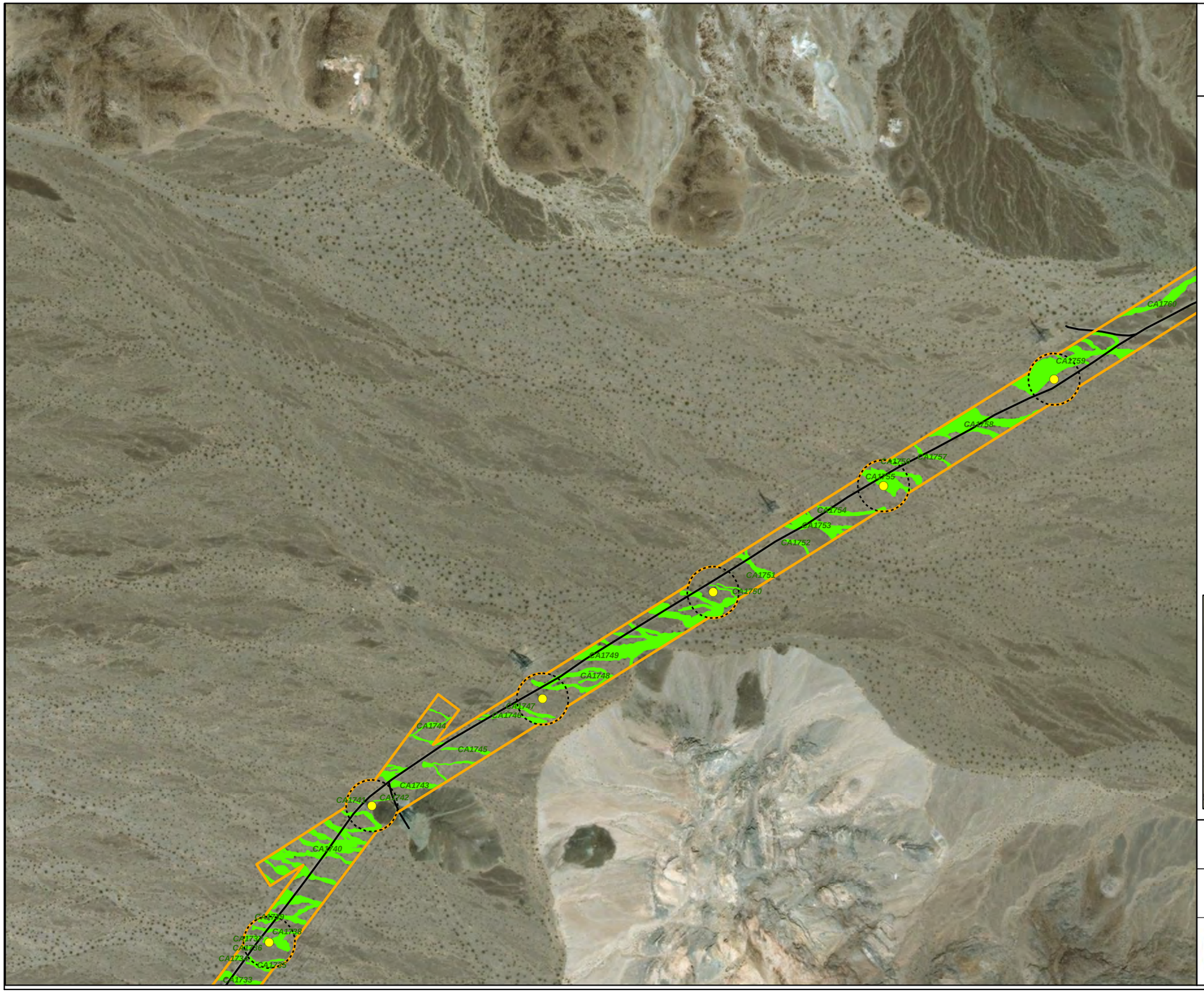
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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Legend

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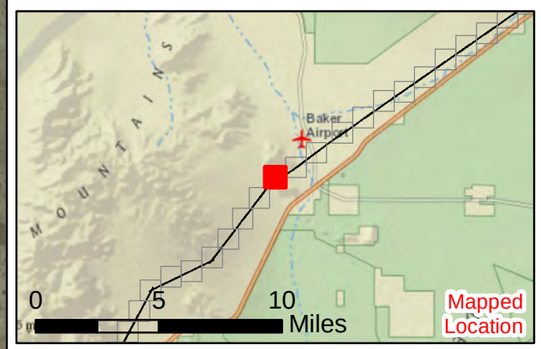
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON®
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Legend

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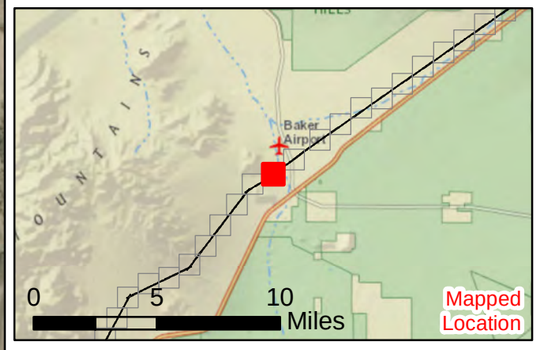
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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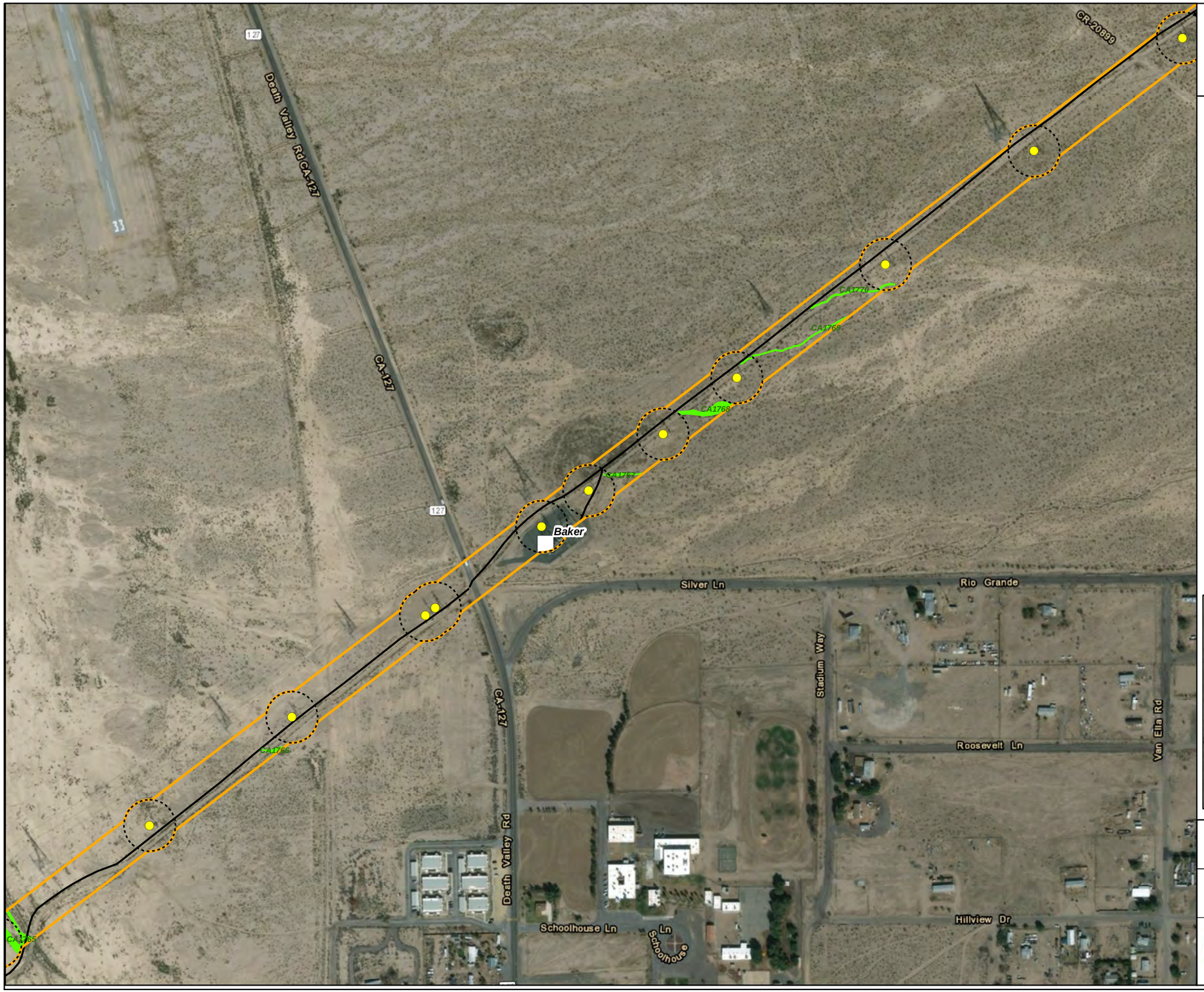

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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0 500 1,000
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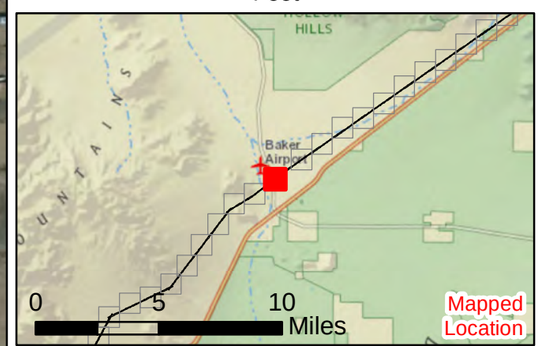

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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Legend

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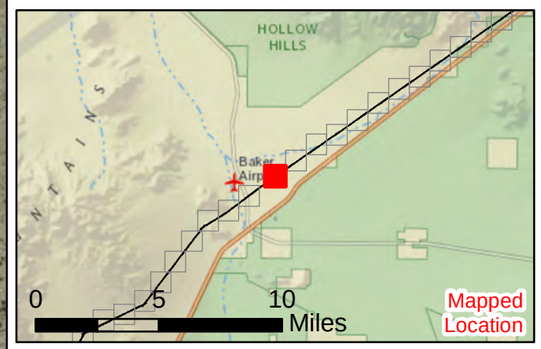
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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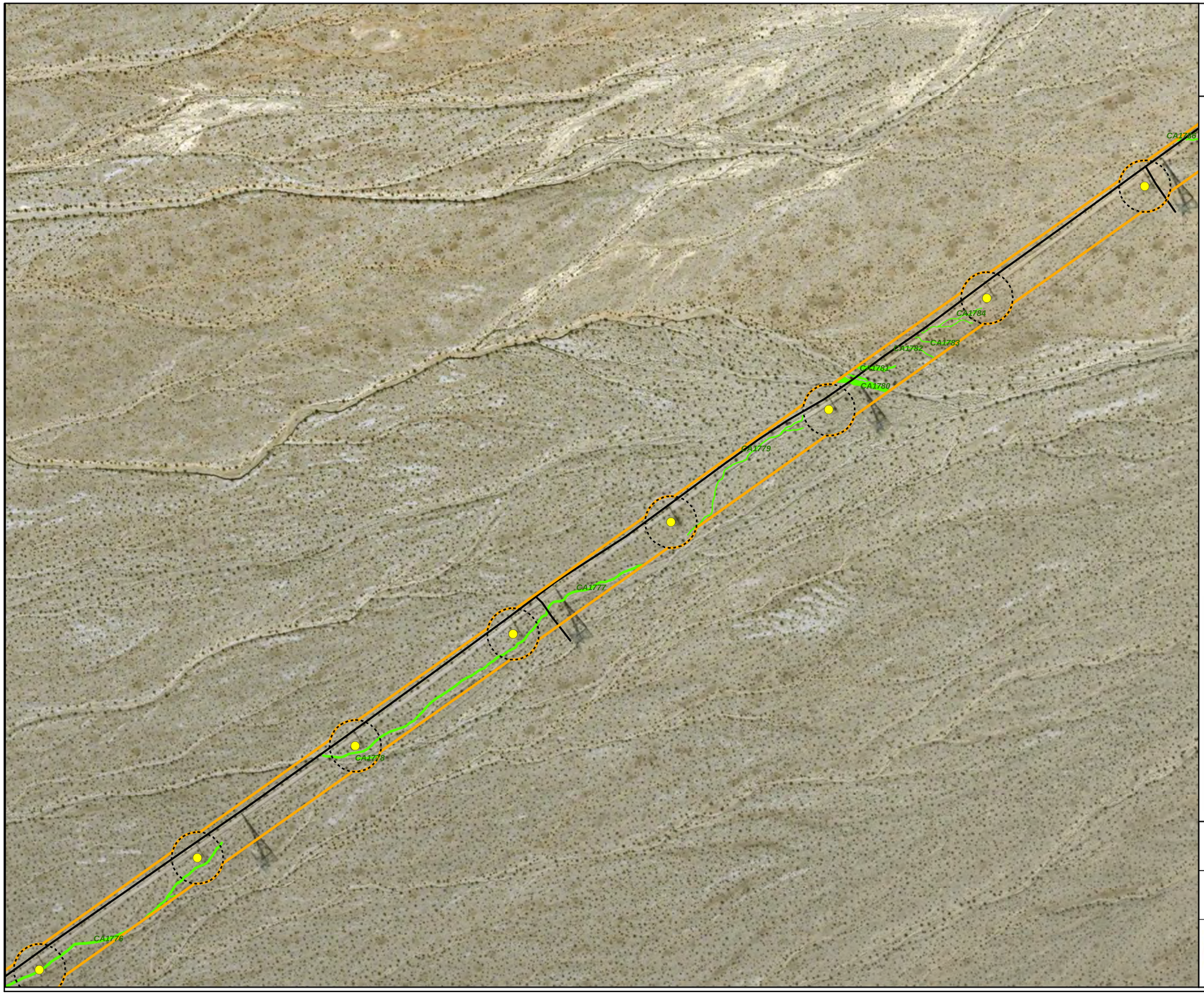

SOUTHERN CALIFORNIA EDISON
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Legend

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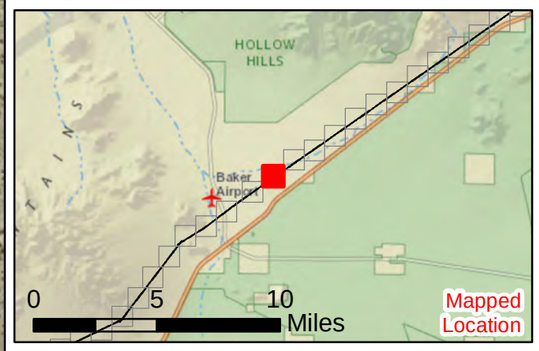

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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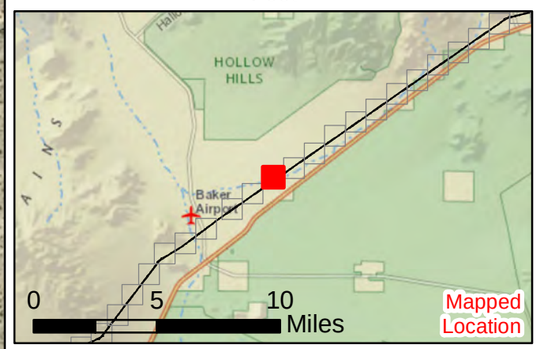

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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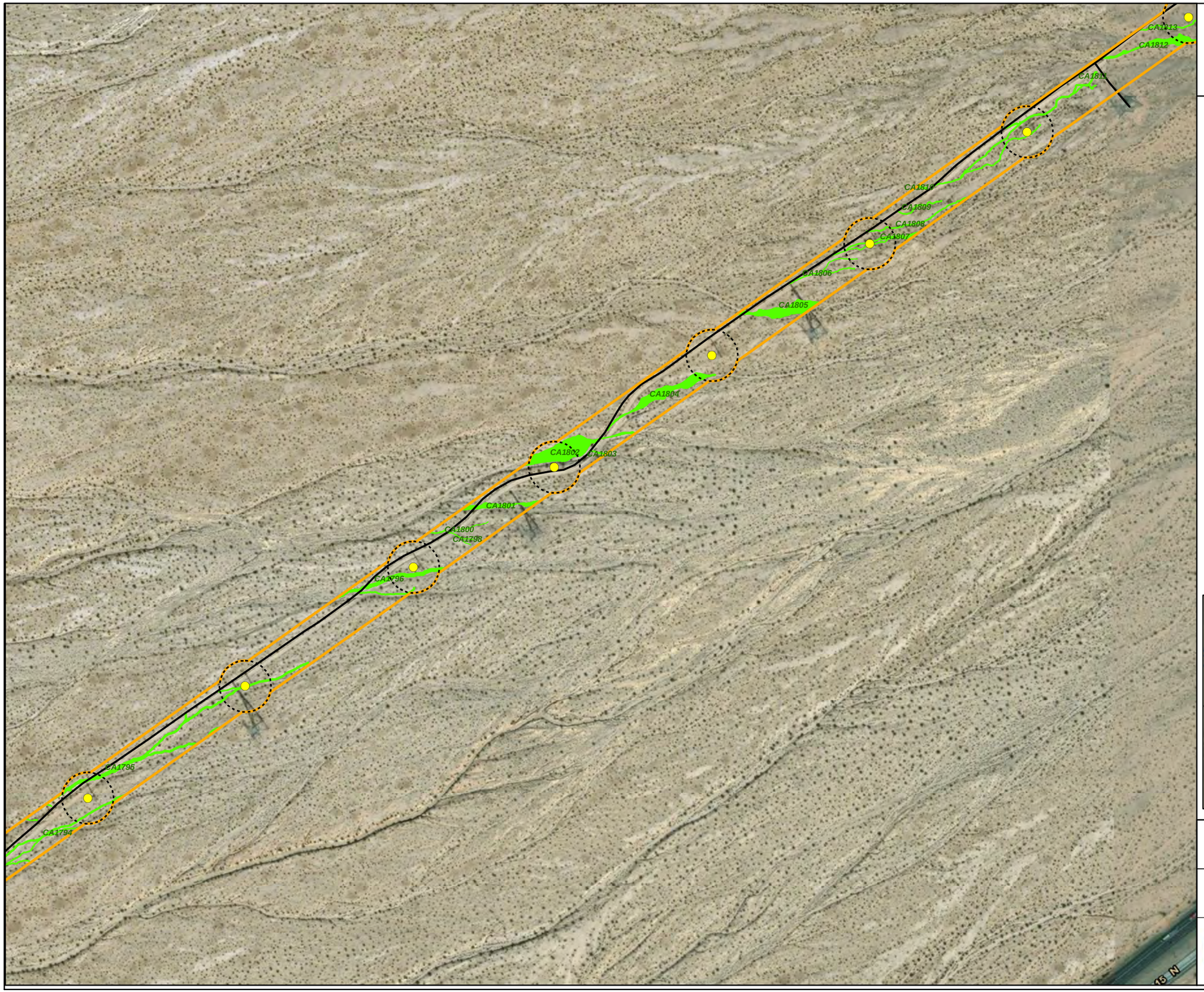

SOUTHERN CALIFORNIA EDISON®
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Legend

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- Survey Area
- Access Roads
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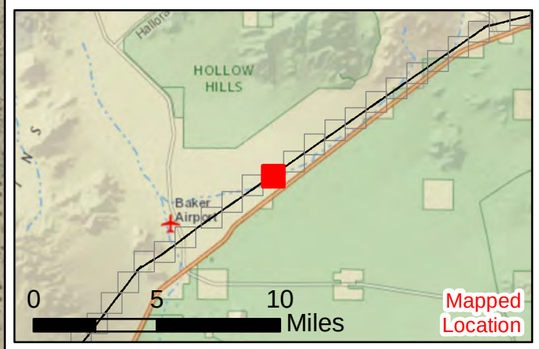
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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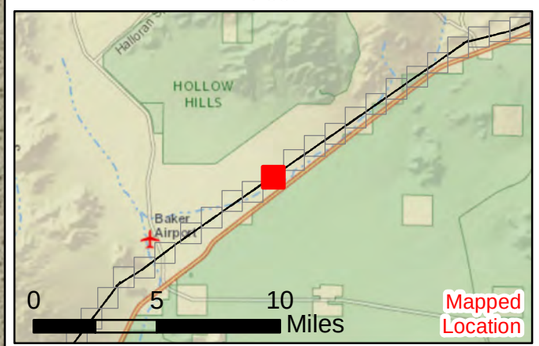

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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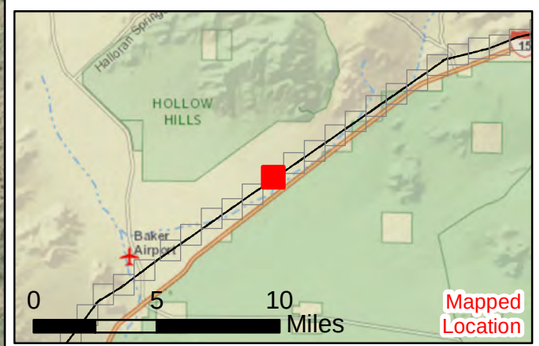

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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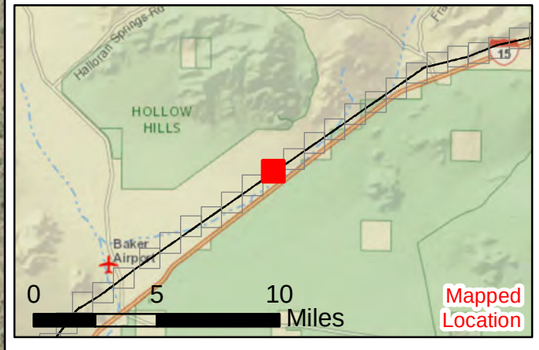

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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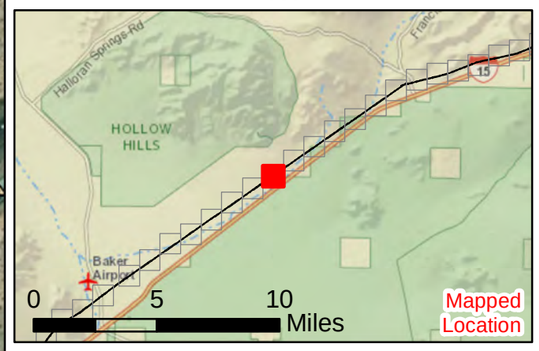

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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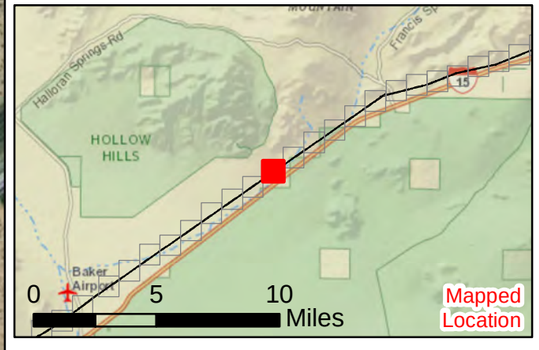
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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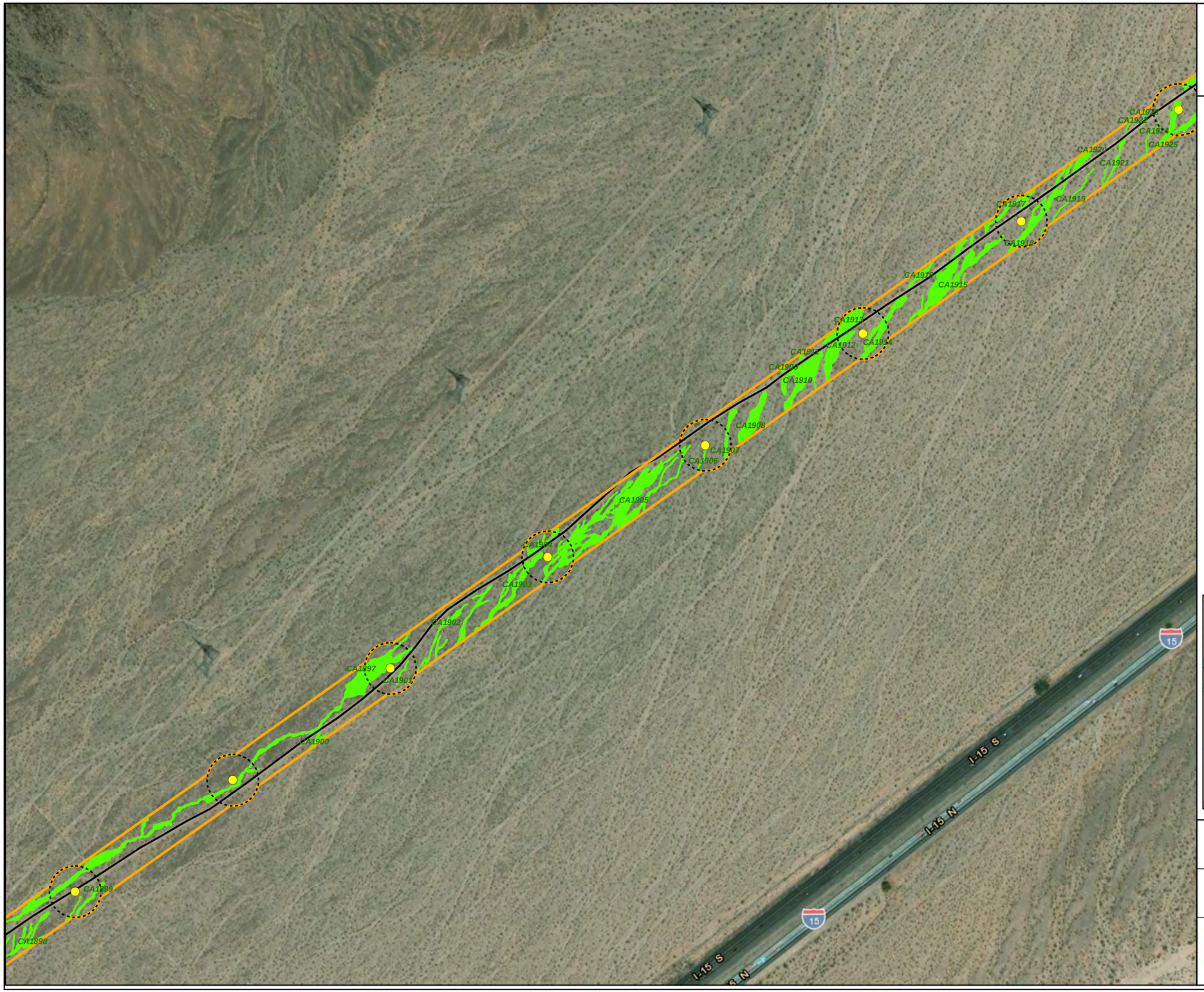

SOUTHERN CALIFORNIA EDISON
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Legend

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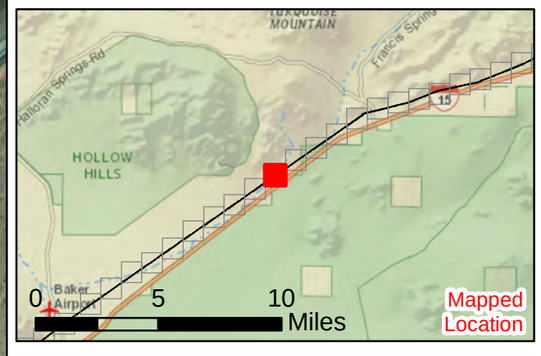
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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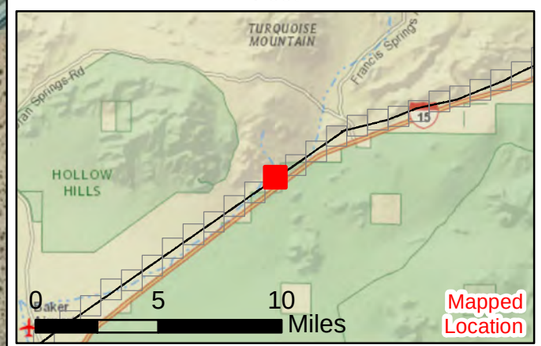
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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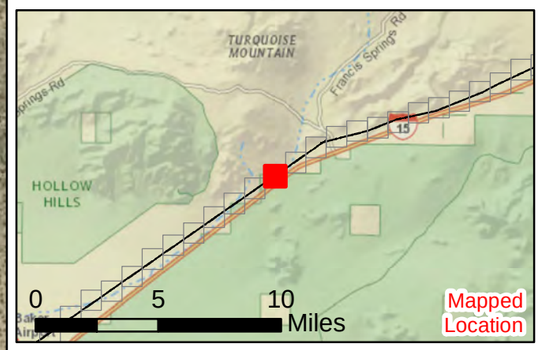

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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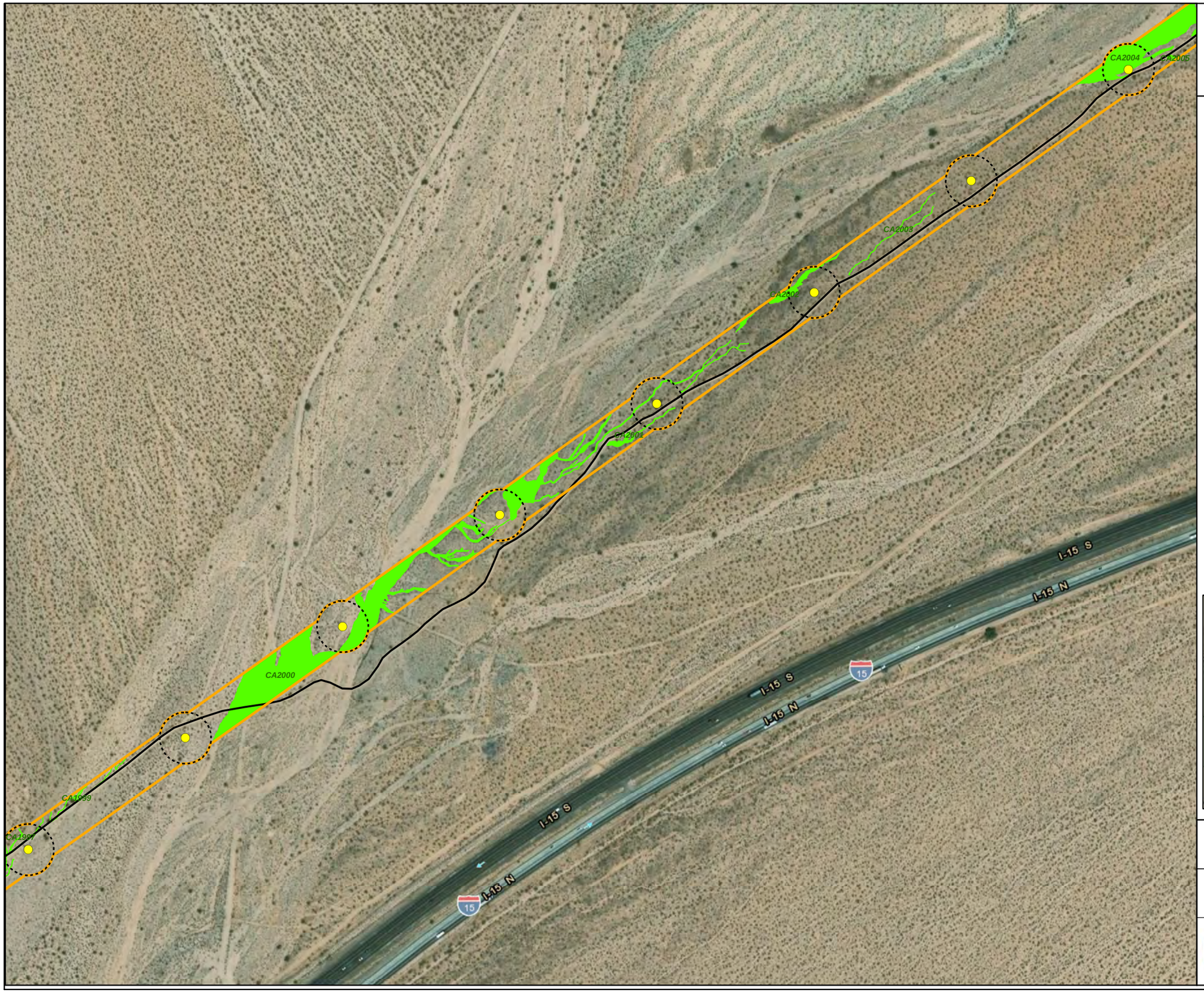
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON®
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Legend

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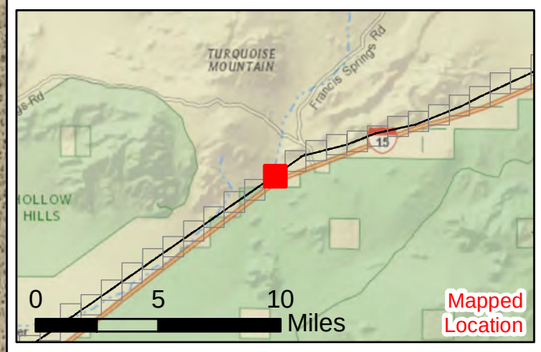
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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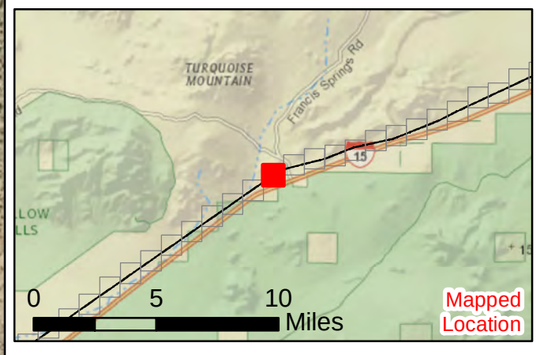

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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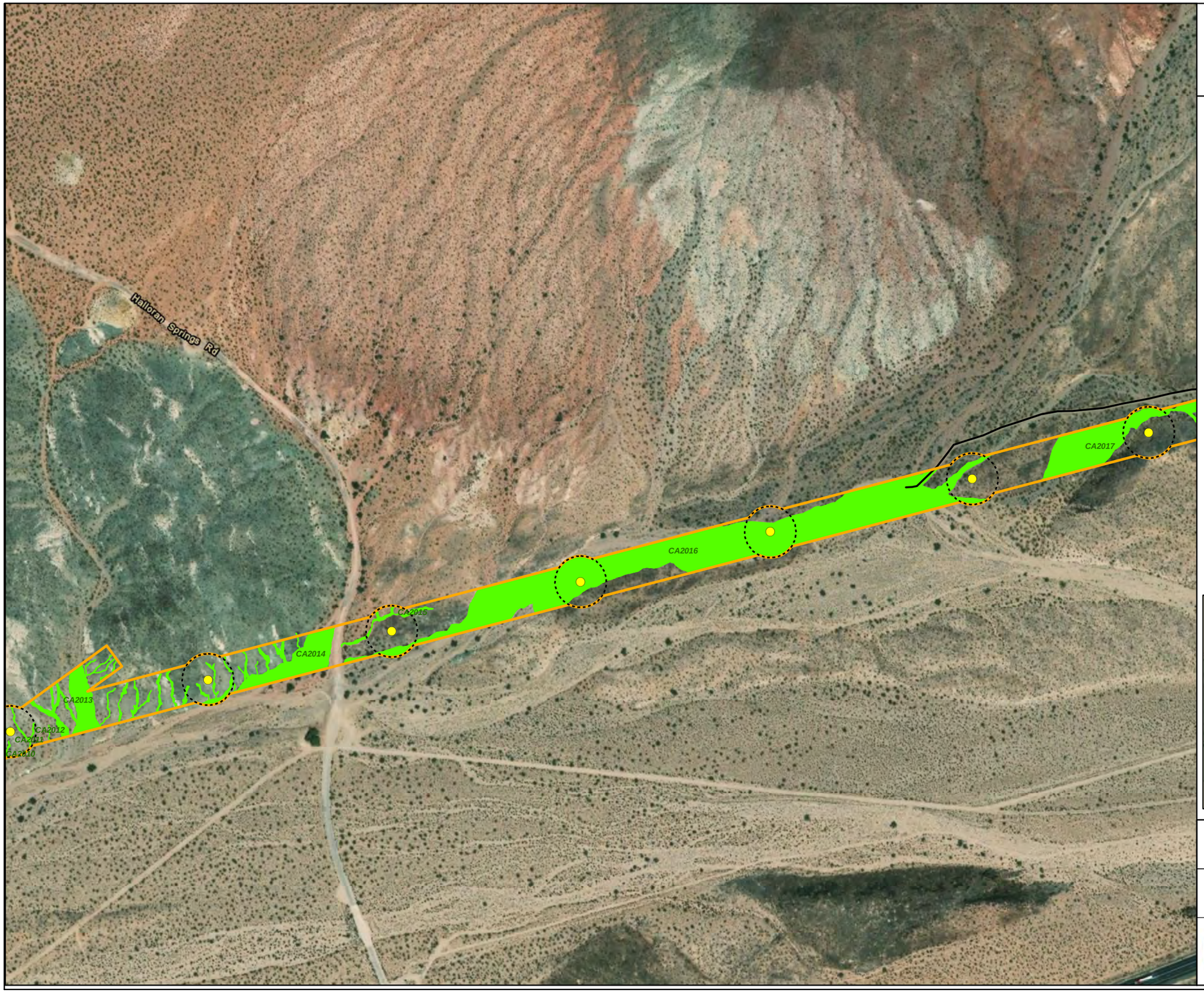

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An EDISON INTERNATIONAL Company

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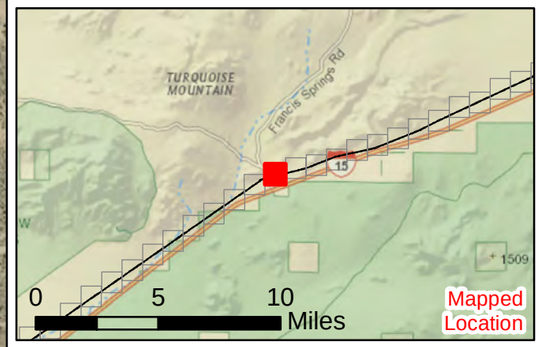

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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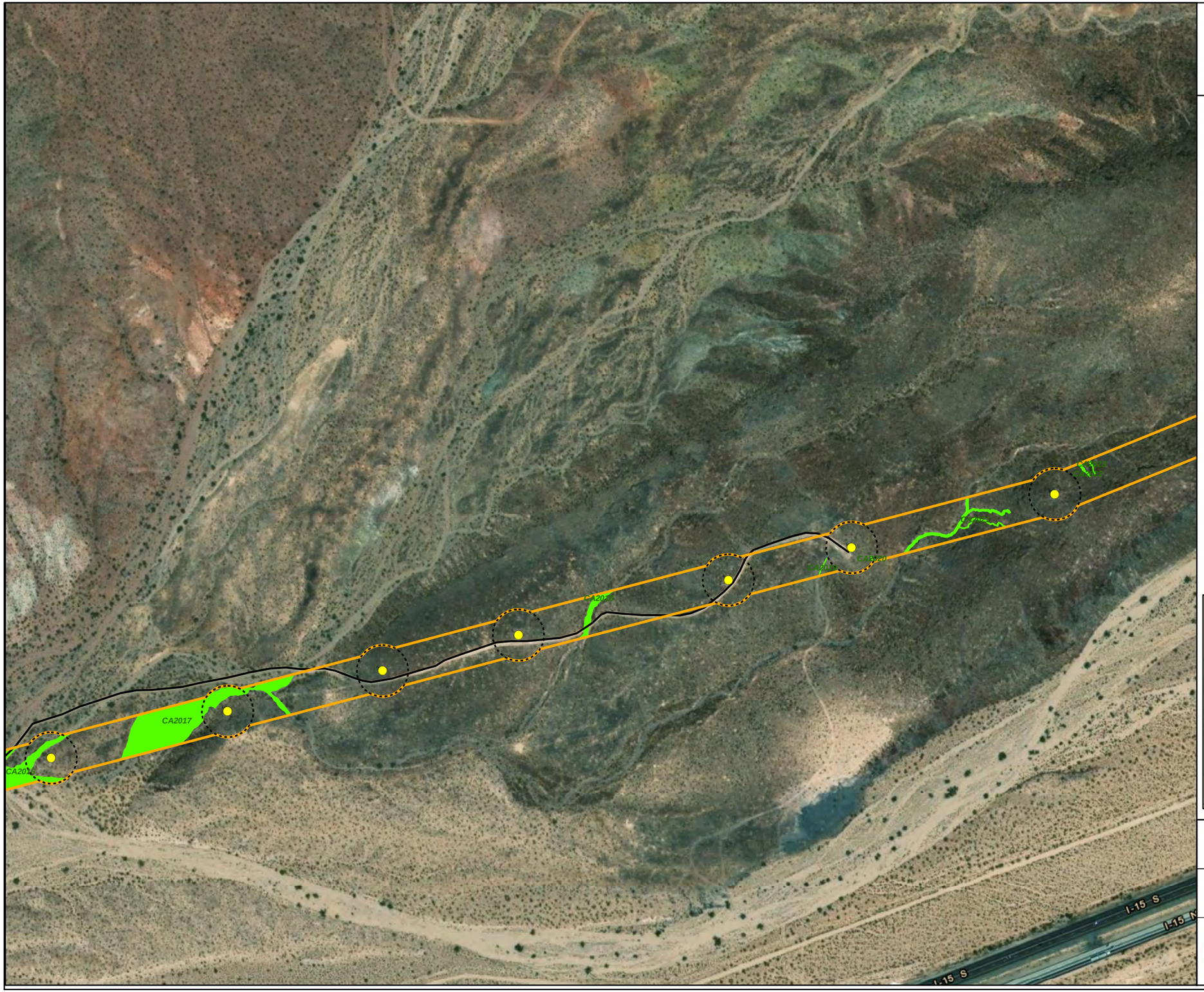
\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\CK\TLLR_11_17_Landscape CDFW JD Mapping.mxd 8/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N



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Legend

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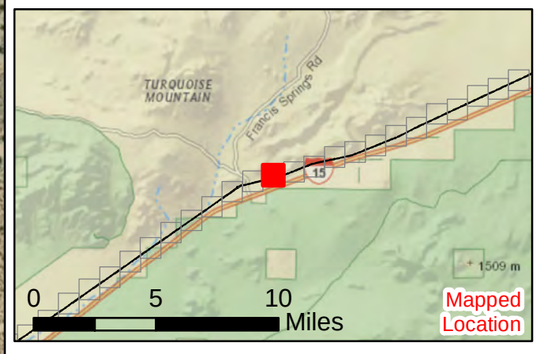
0 500 1,000
Feet



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Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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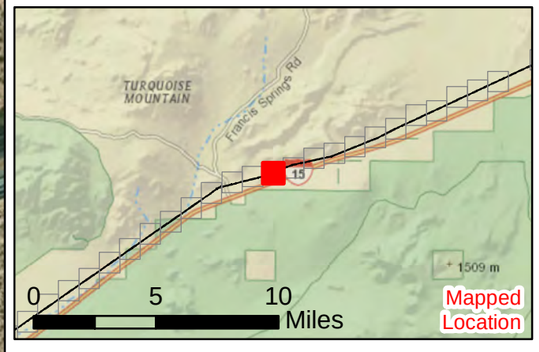

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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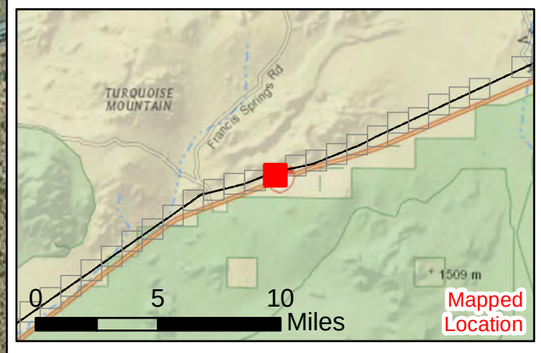

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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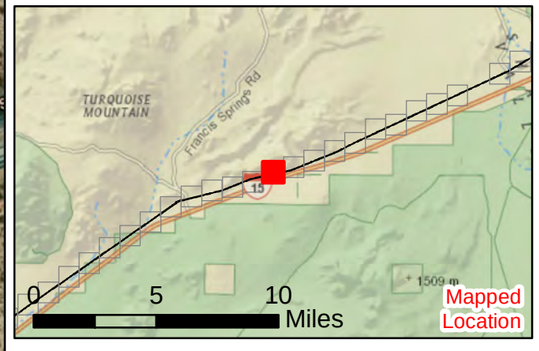

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
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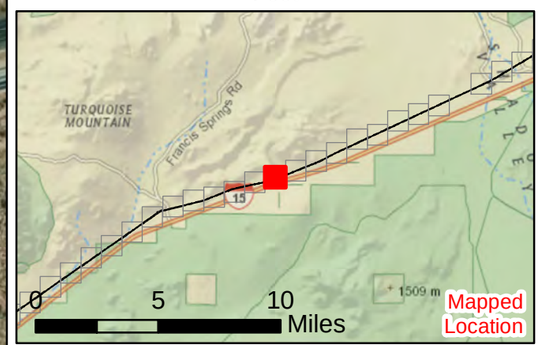

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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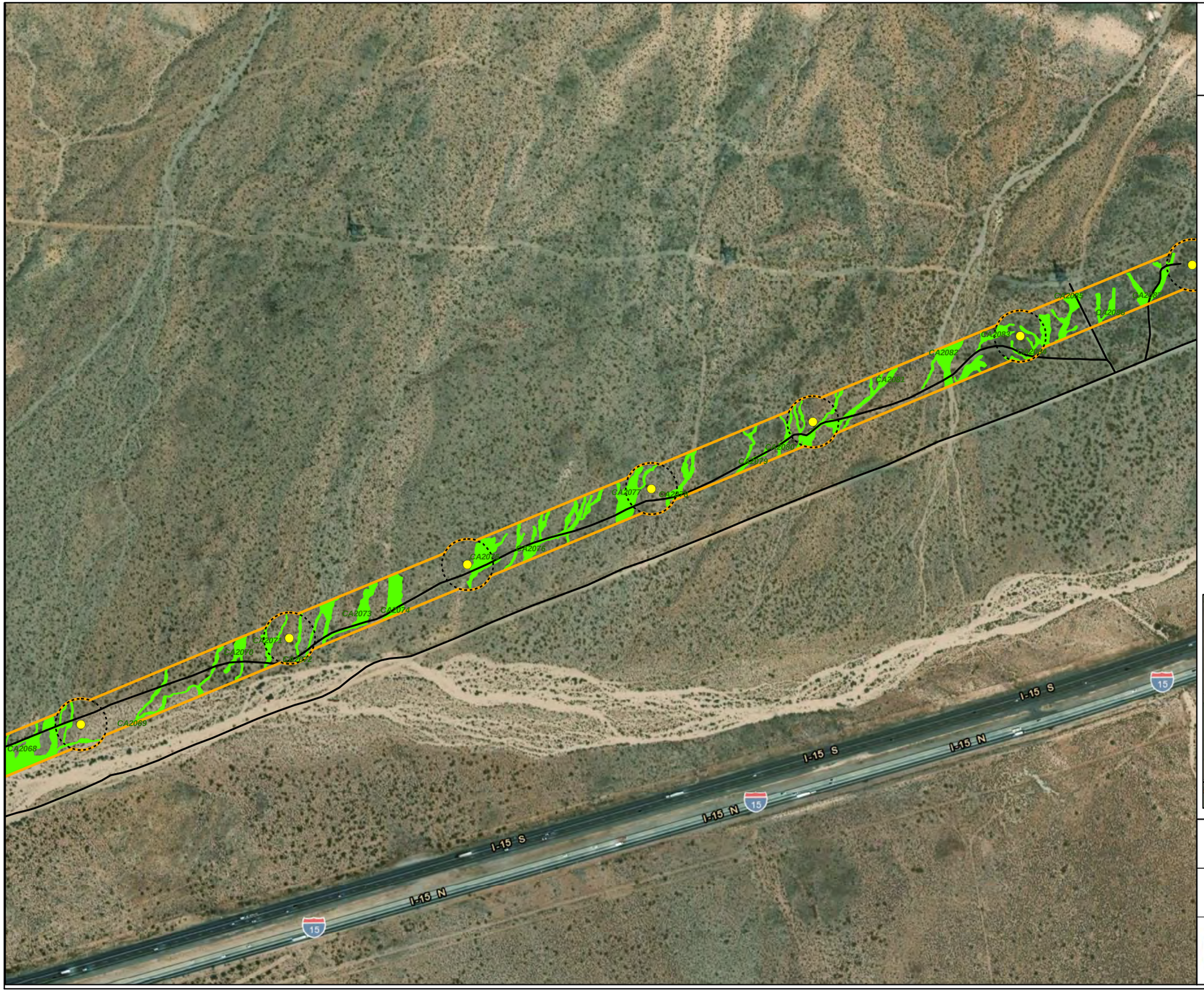

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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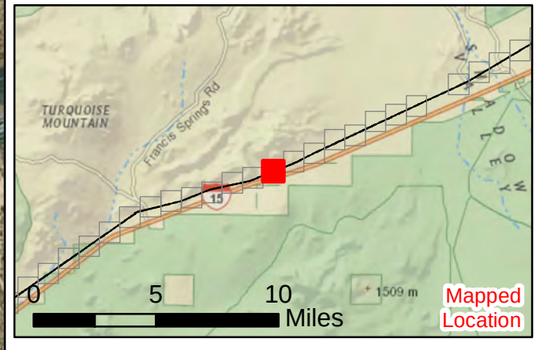

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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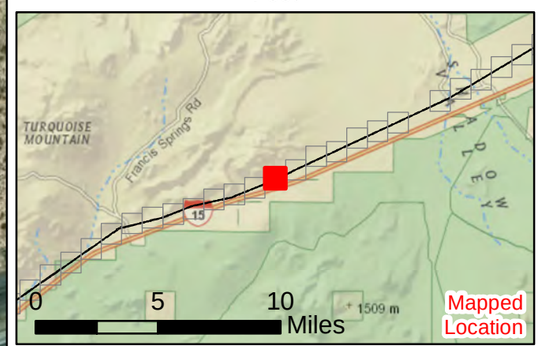

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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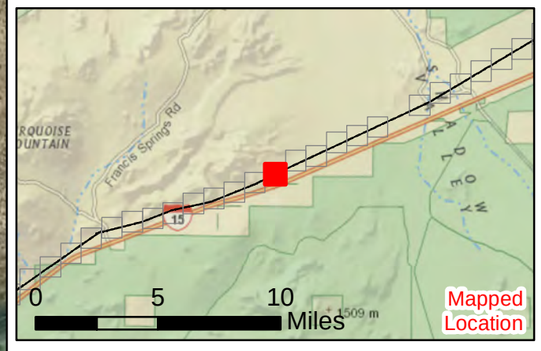

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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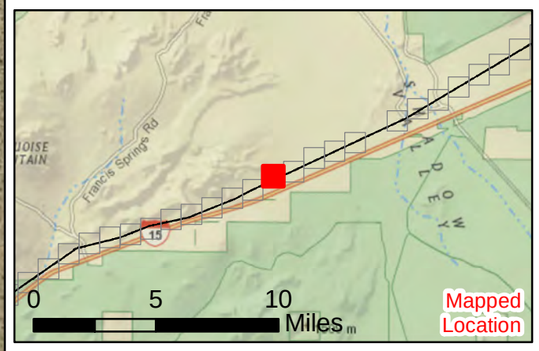

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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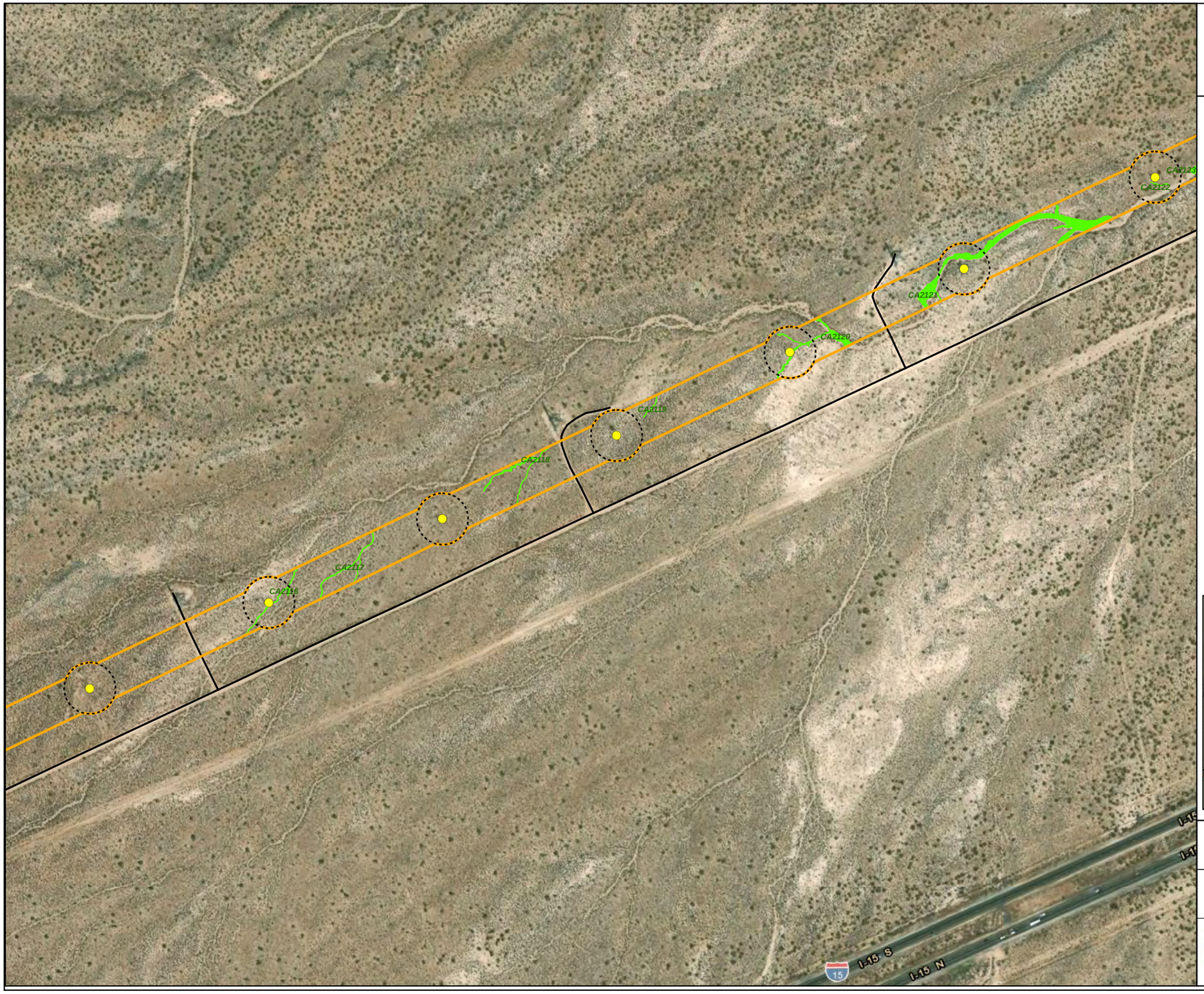

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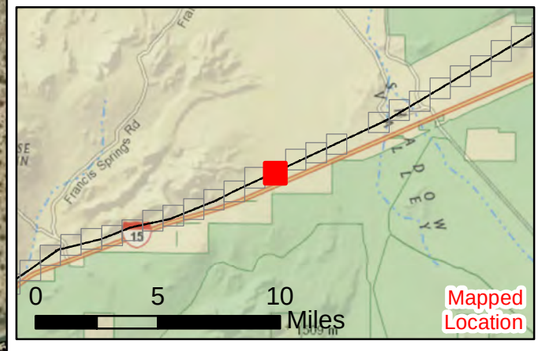

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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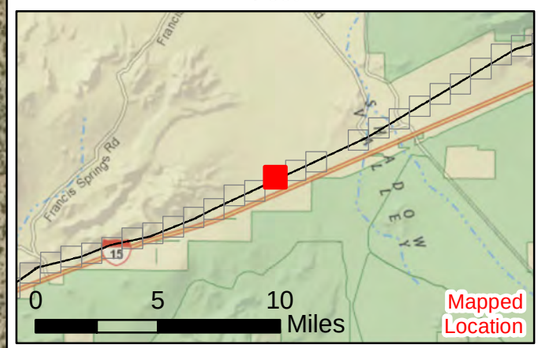

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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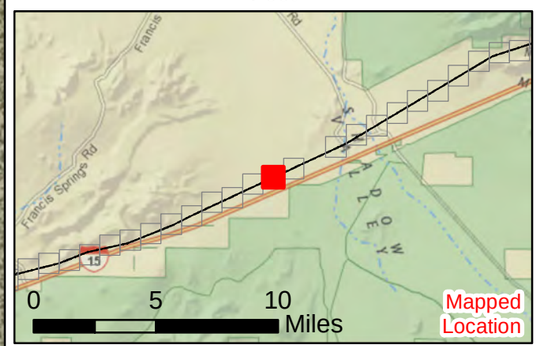

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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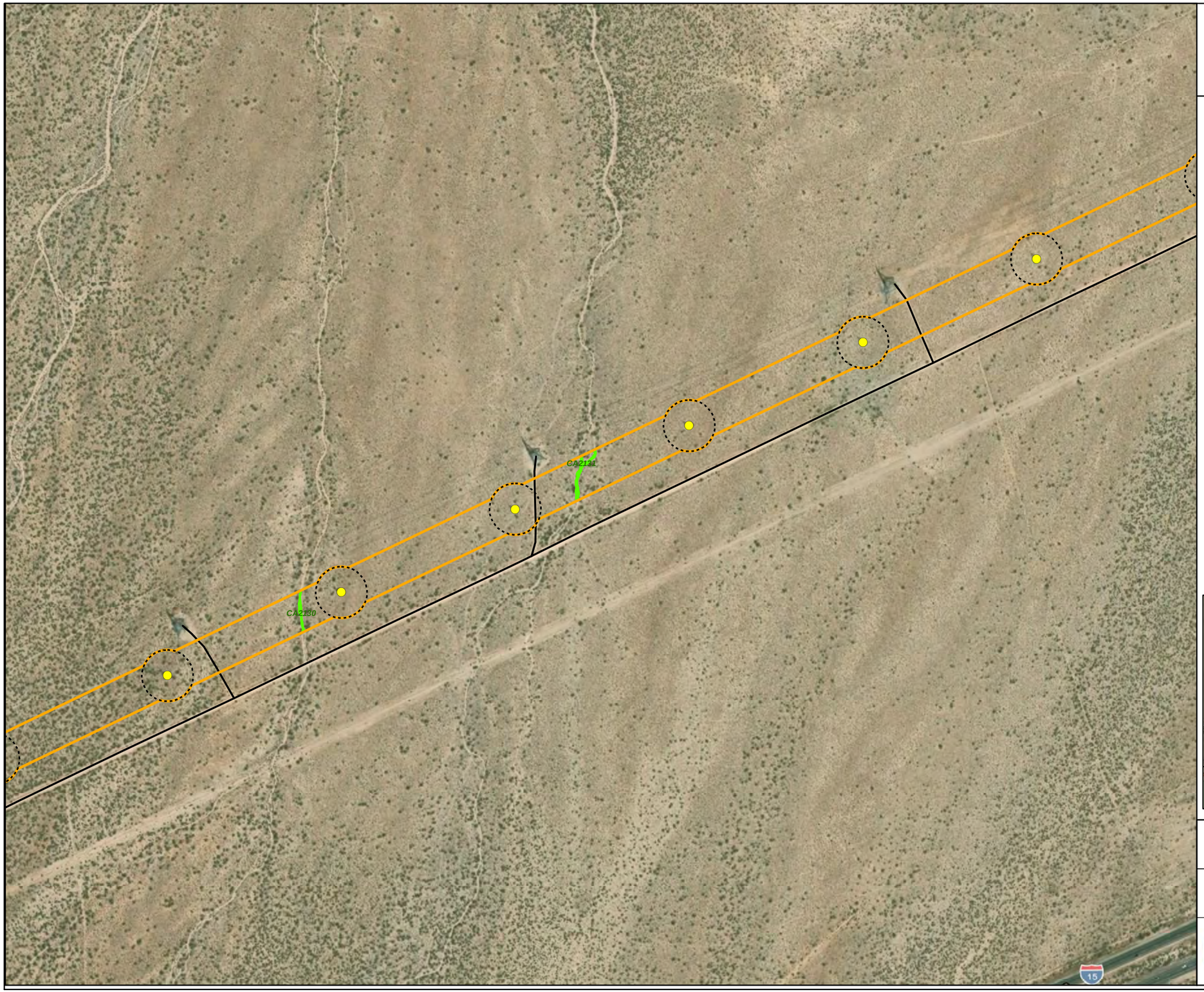

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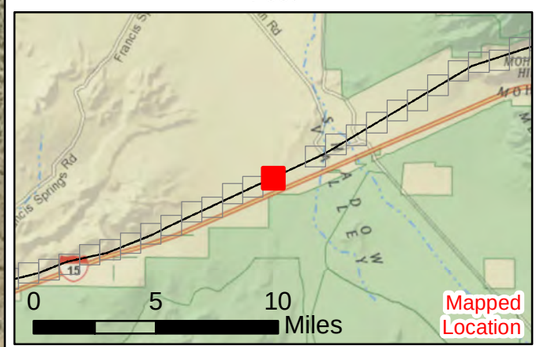

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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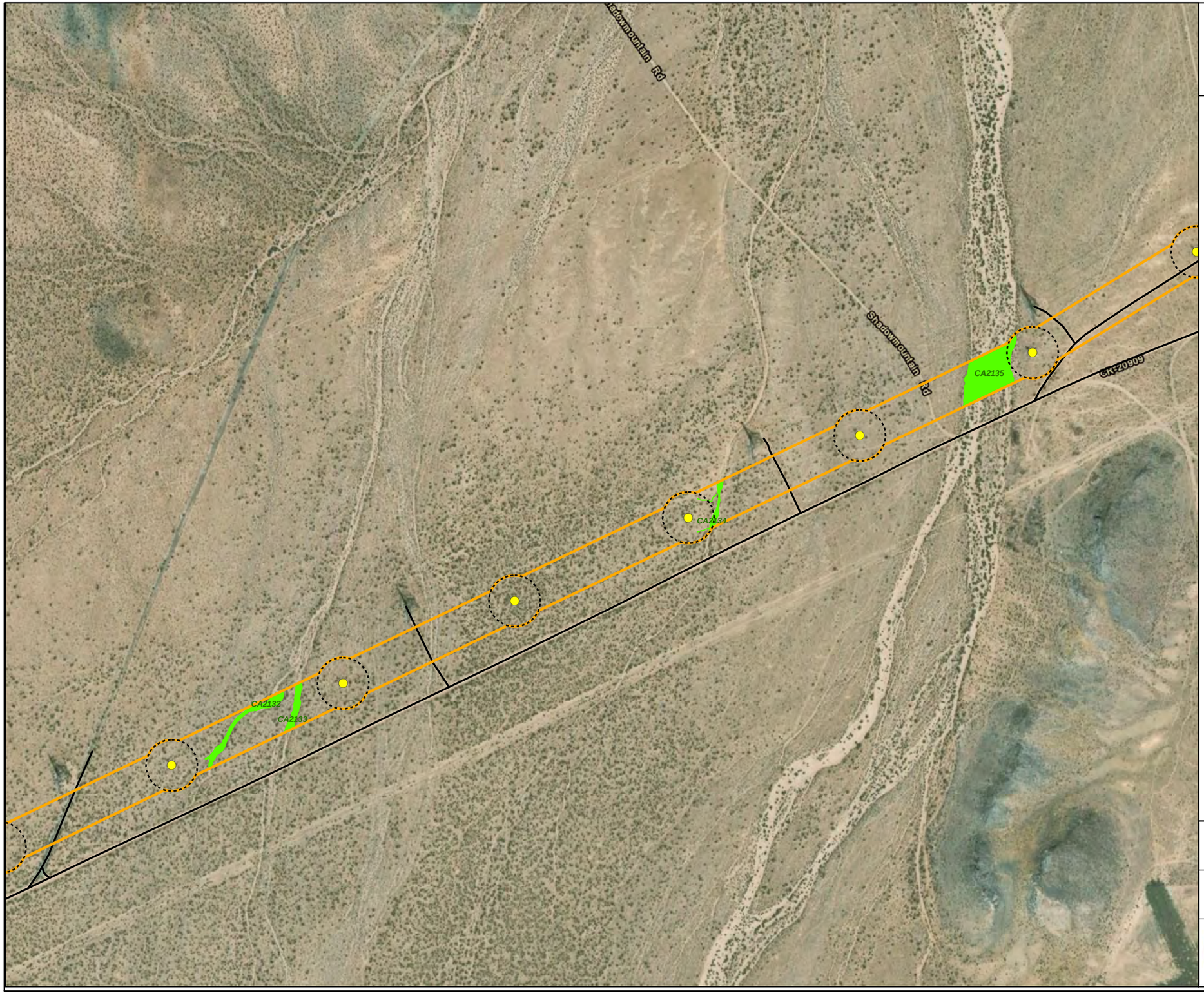
Coordinate System: NAD 1983 UTM Zone 11N

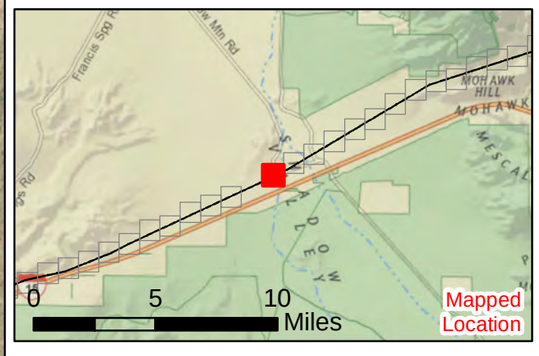


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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\\corparcgis\Data\ArcGis\Data\GISPROJECTS_ENV Z:\GISProjects_ENV_ALPHA_ENV_Q-S\SCE\SCE_TLLR\ArcGIS_Desktop\ICK\TLLR_11_17_Landscape CDFW JD Mapping.mxd 8/28/2018 adavis
Coordinate System: NAD 1983 UTM Zone 11N

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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- Survey Area
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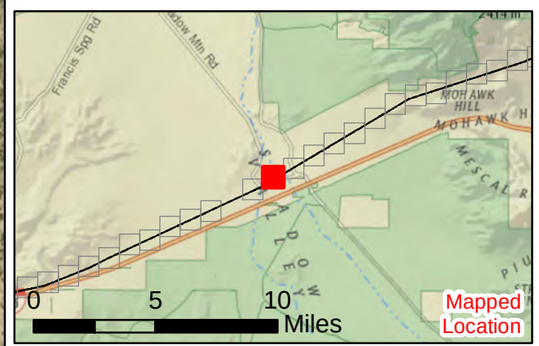
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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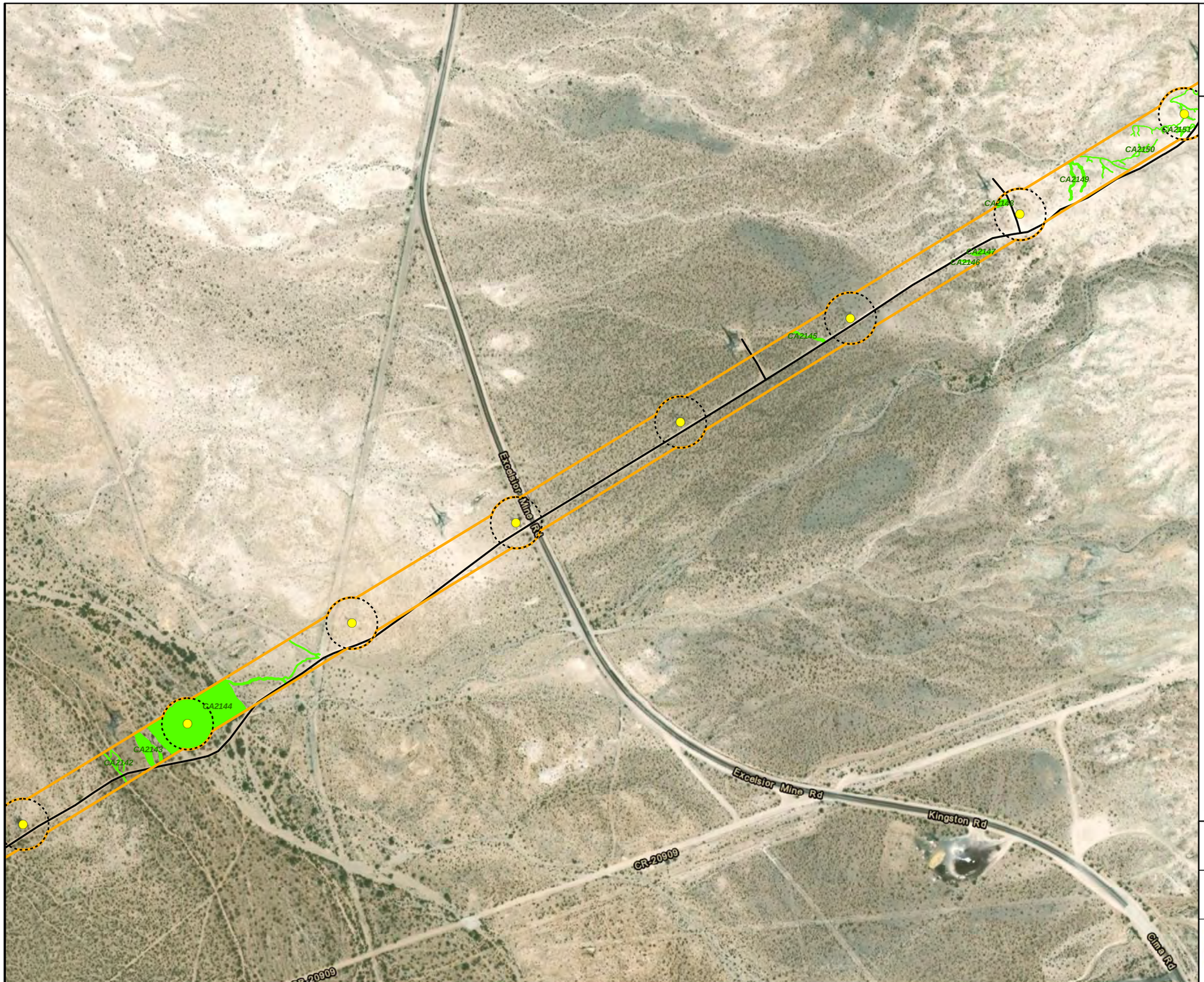

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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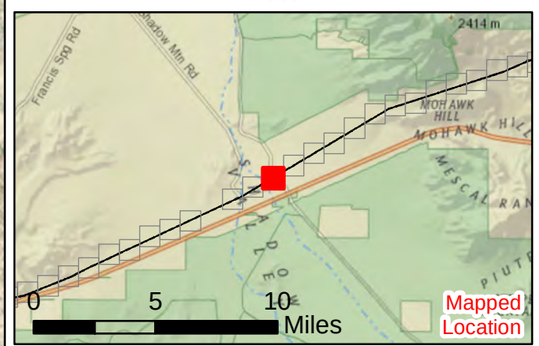
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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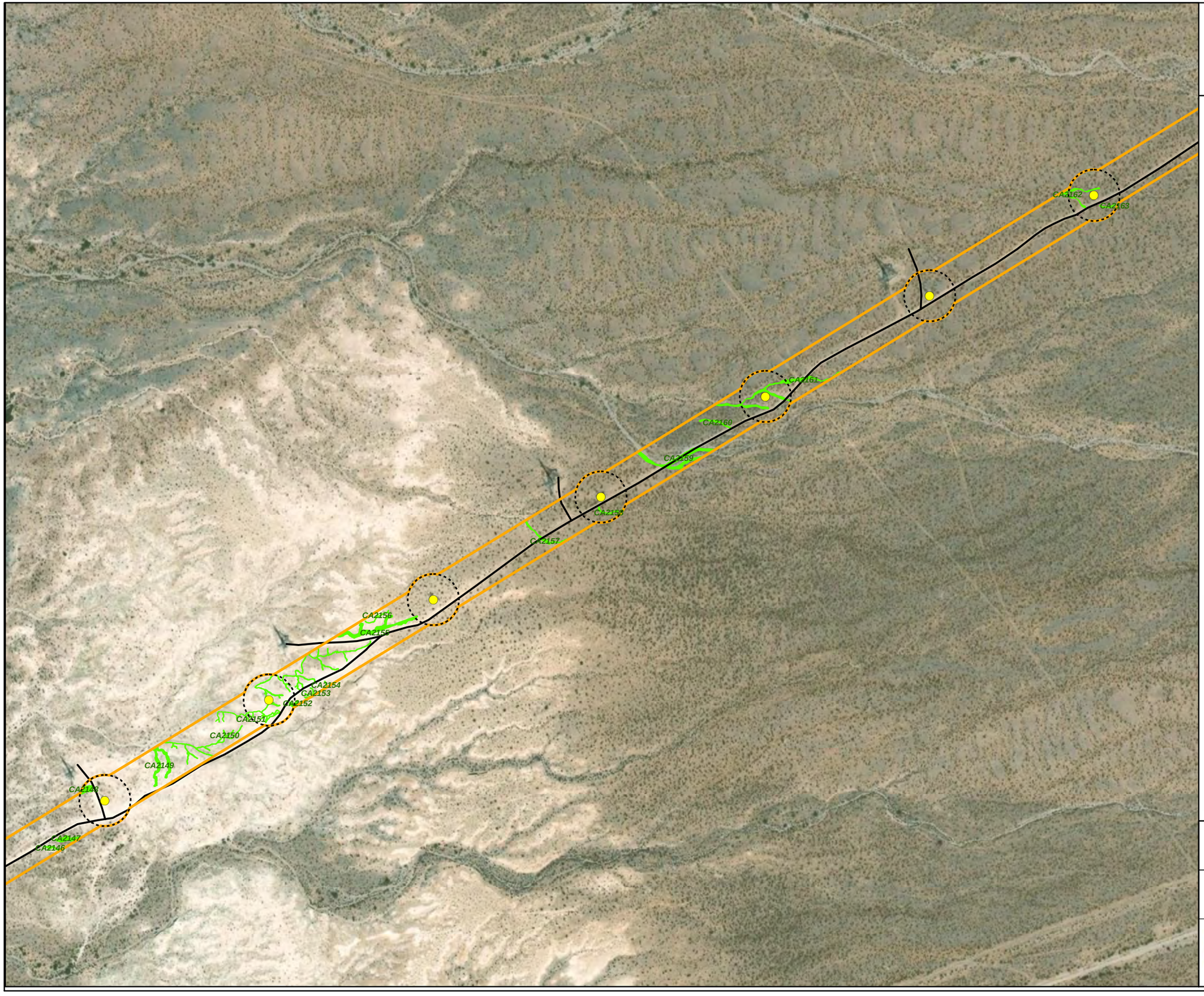

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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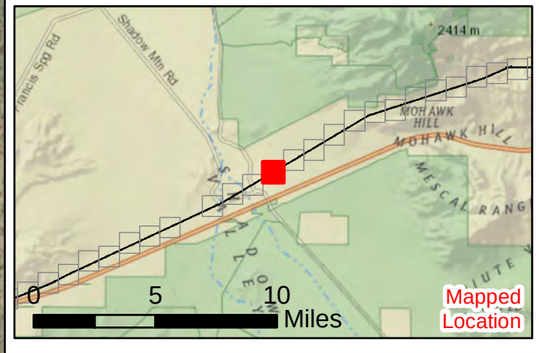
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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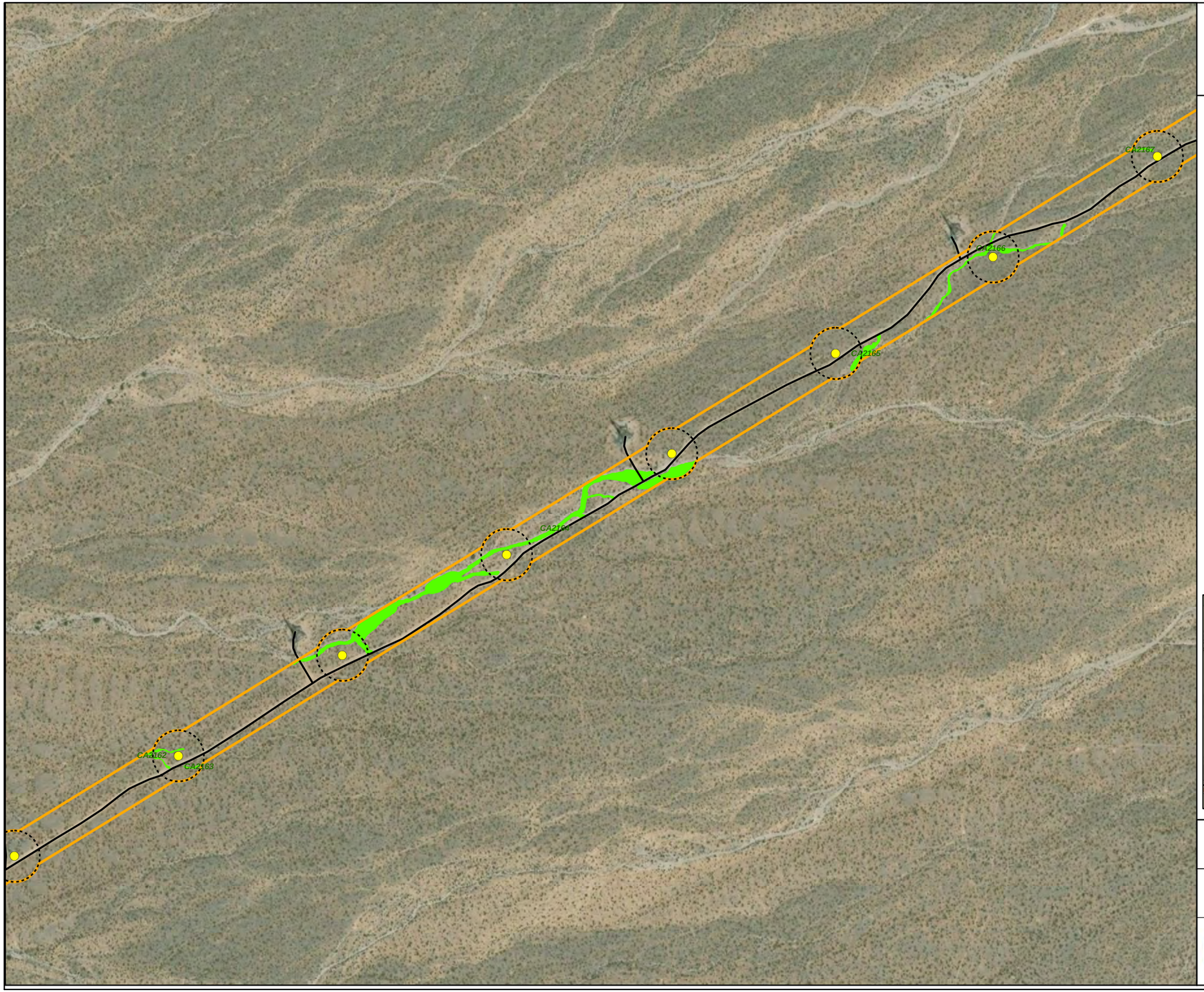
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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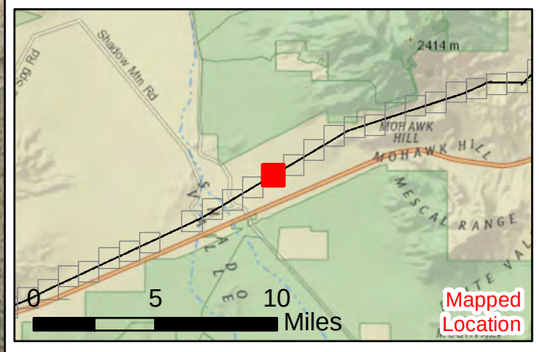
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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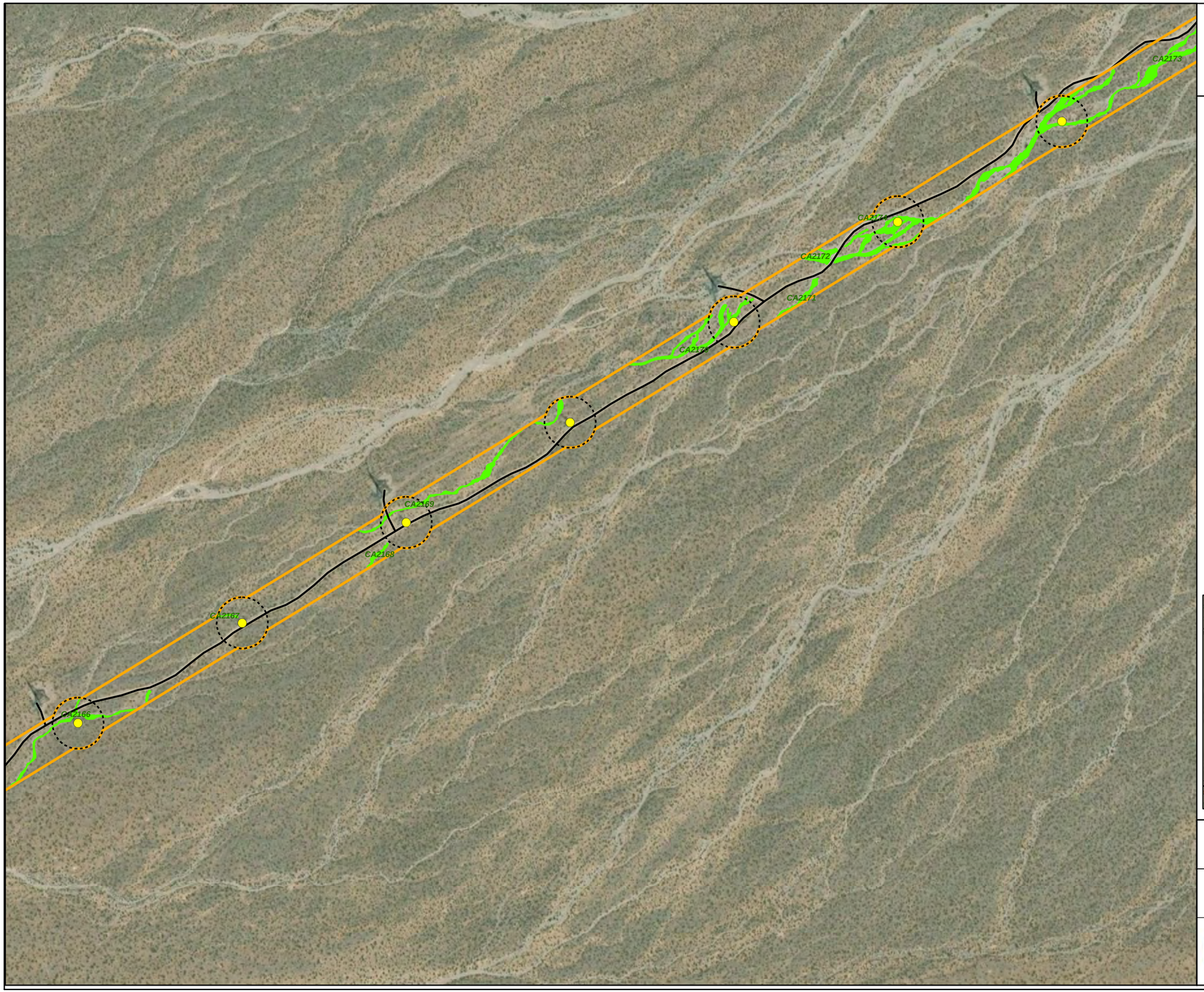

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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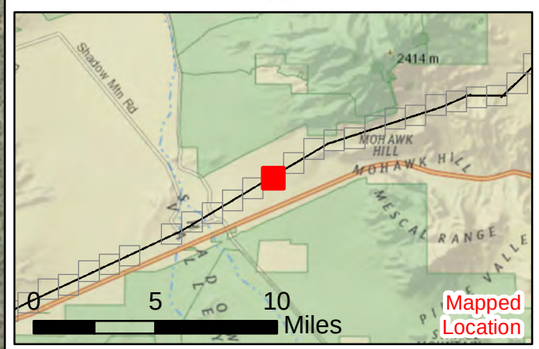
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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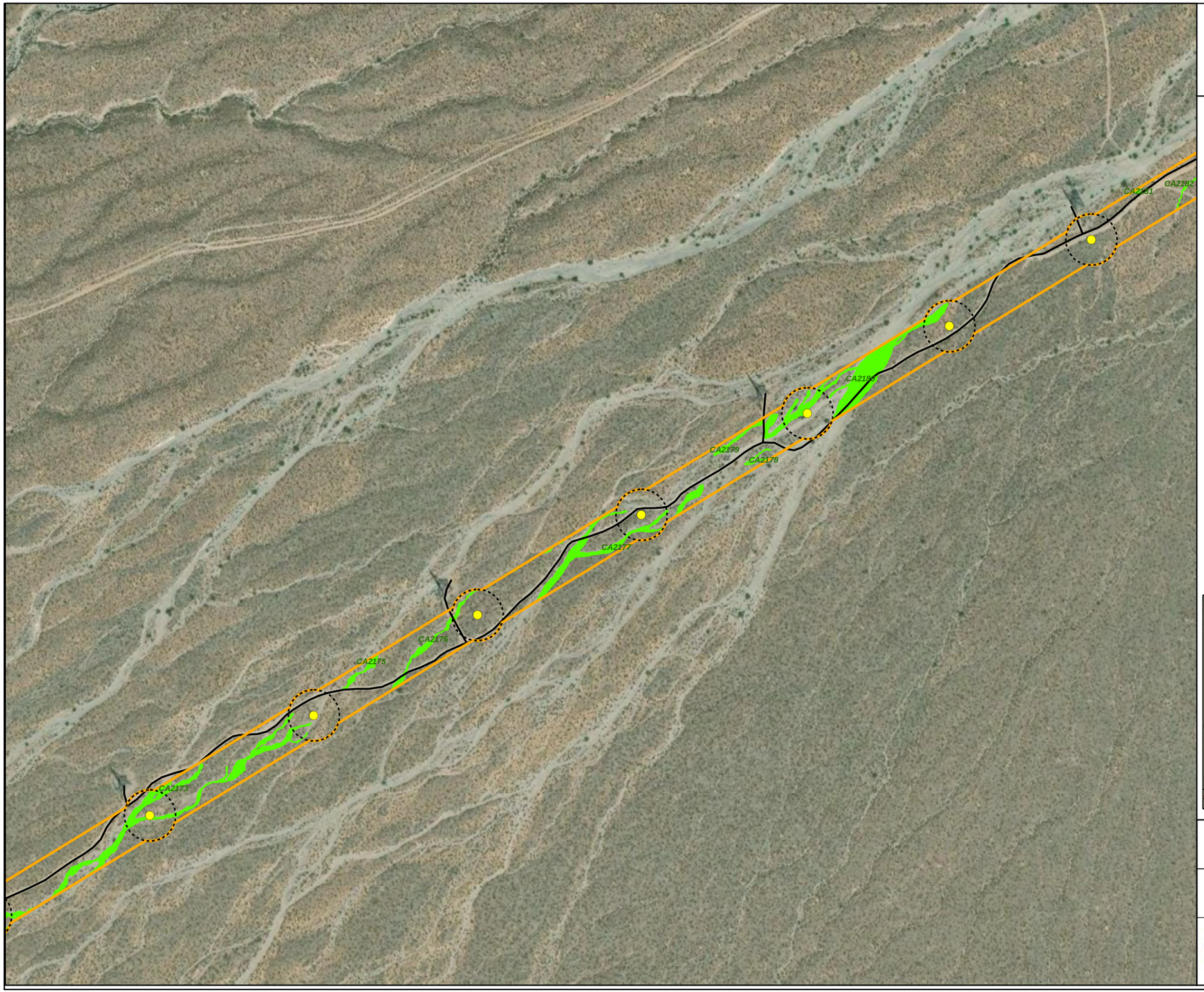
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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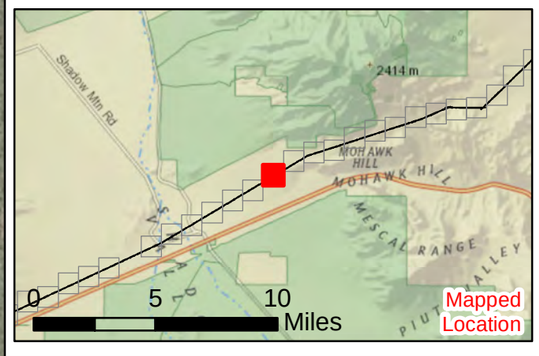
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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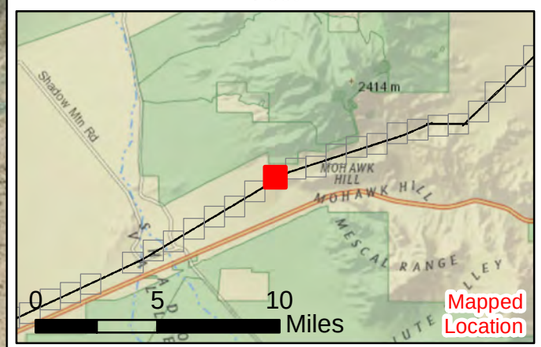
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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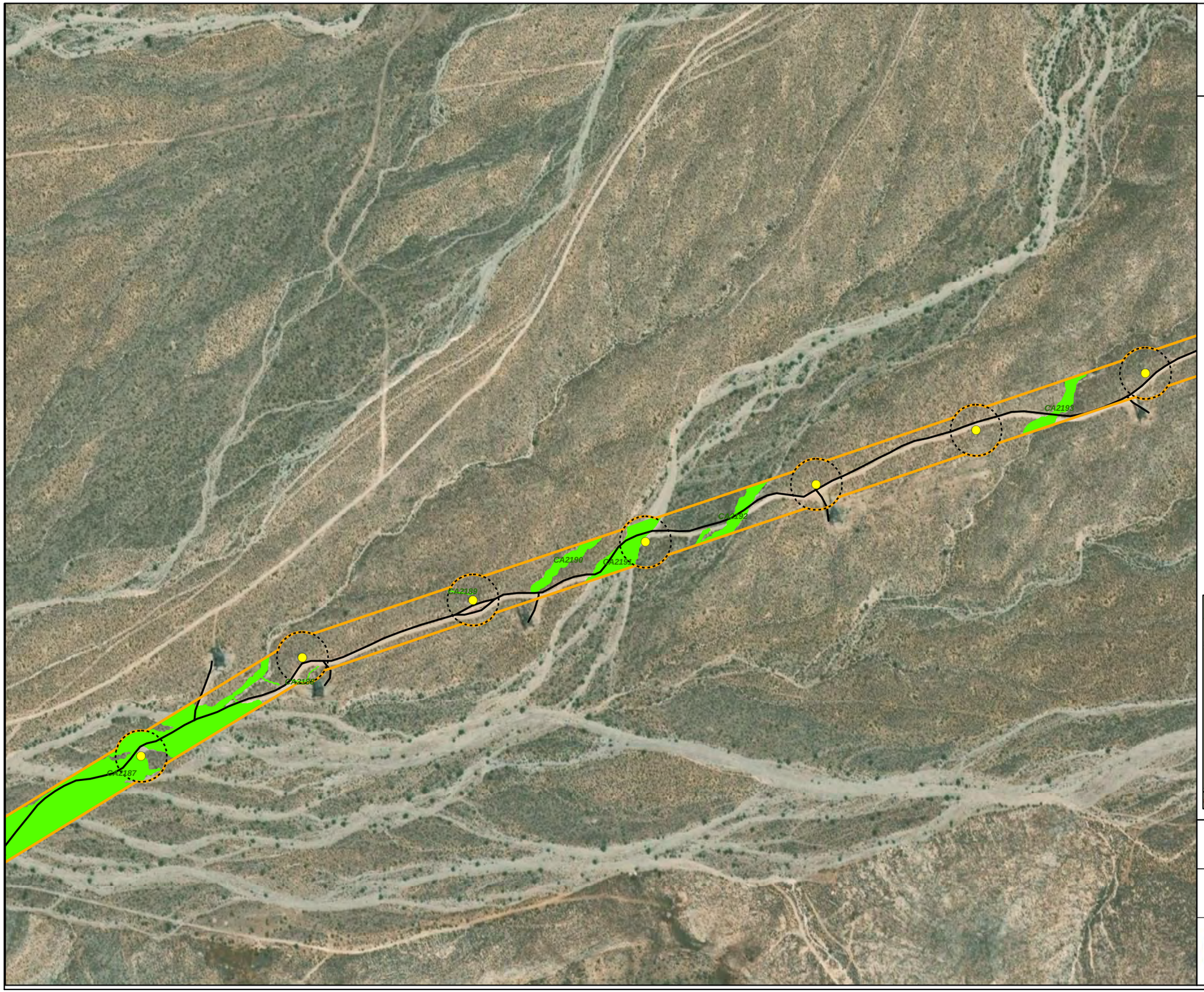

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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0 500 1,000
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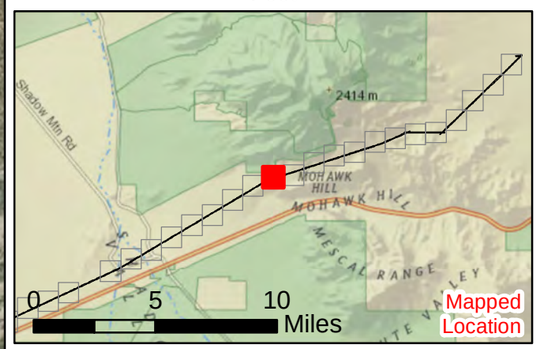

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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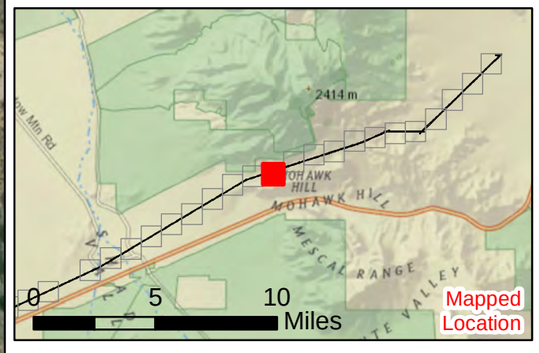
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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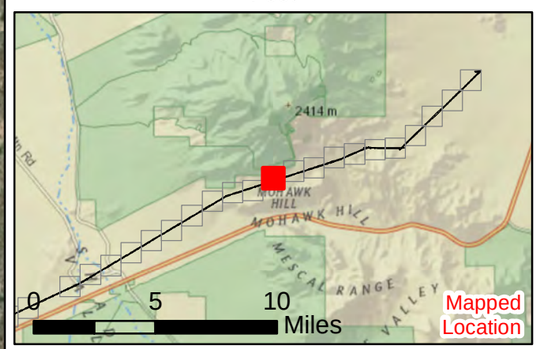
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

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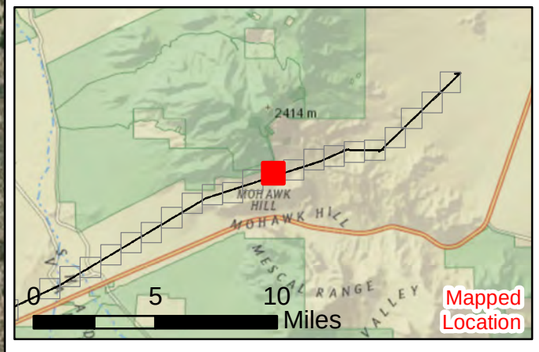
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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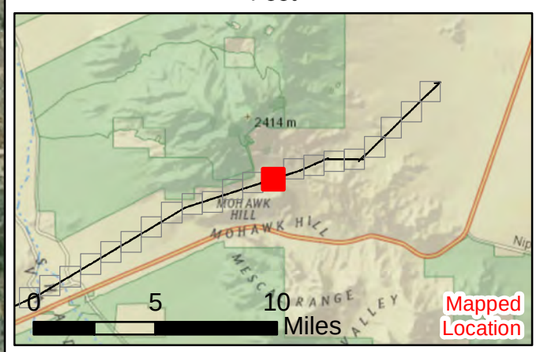
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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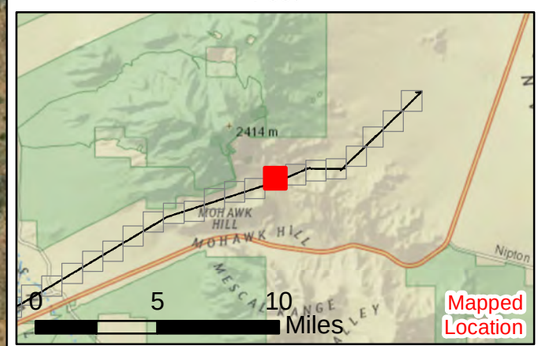

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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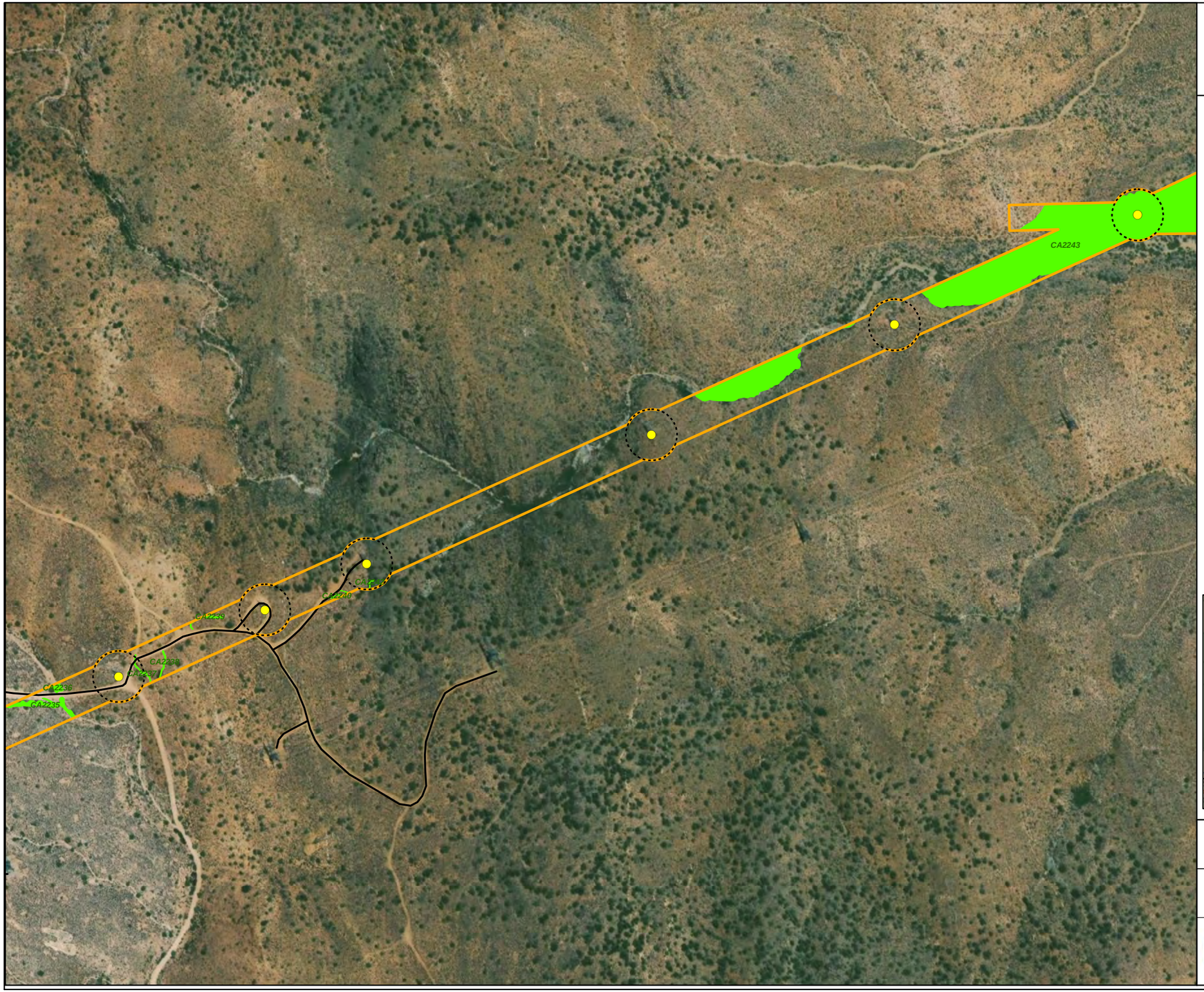

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

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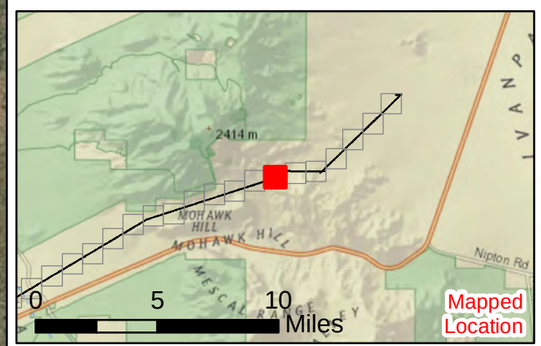

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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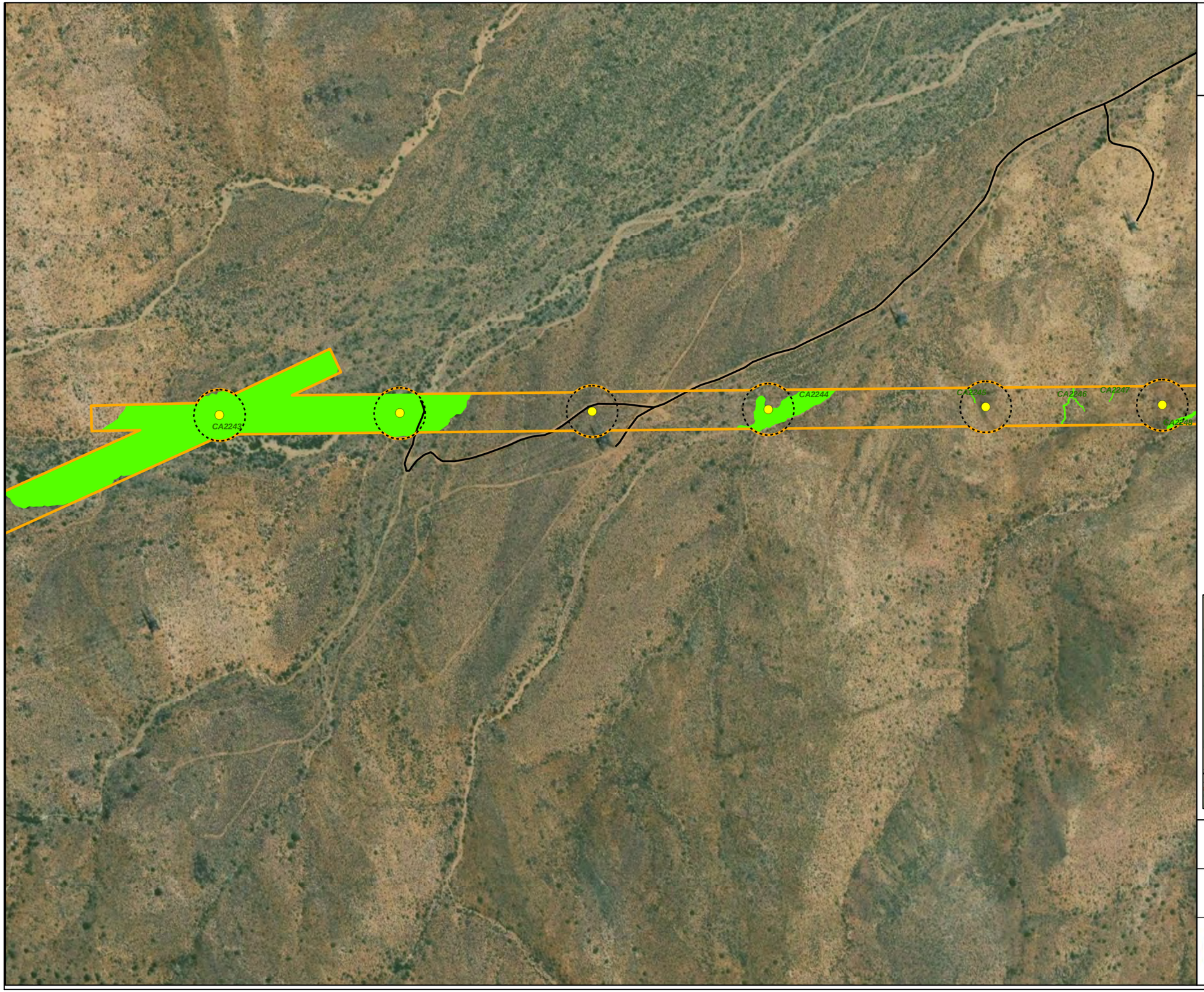
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
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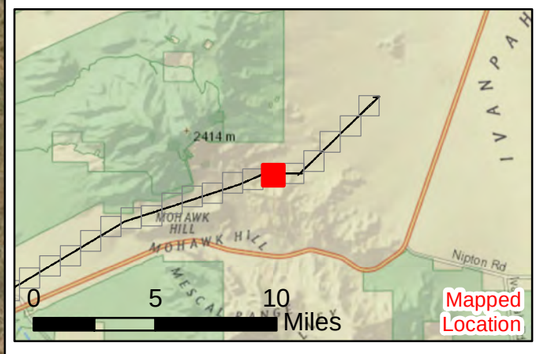

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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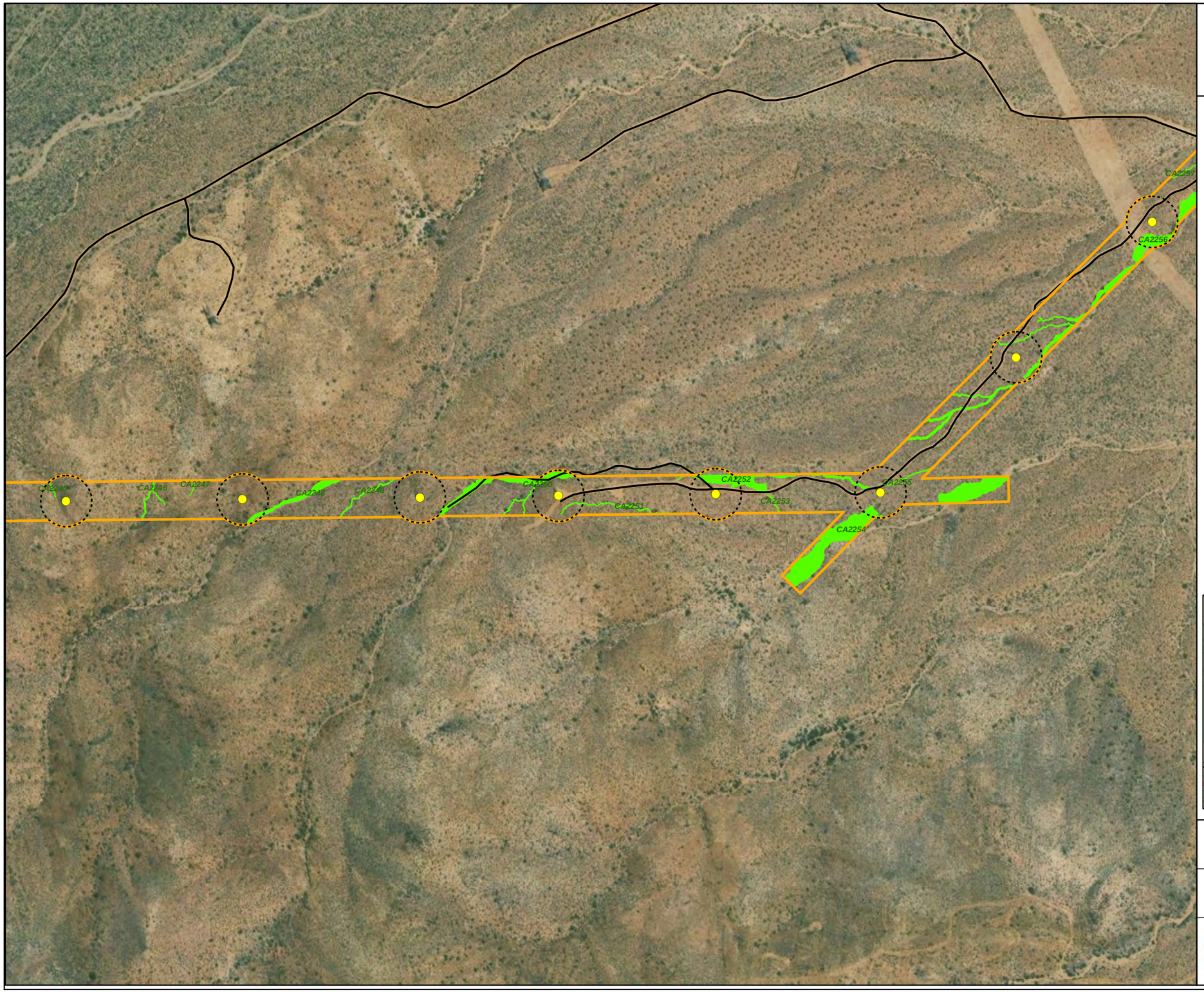

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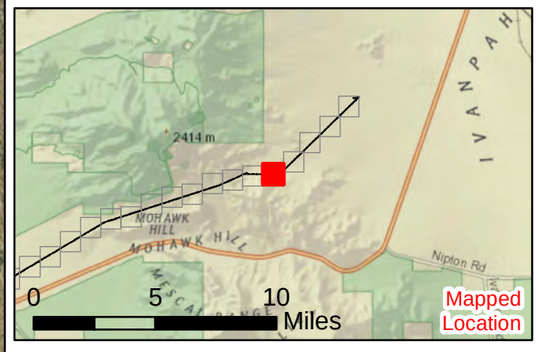

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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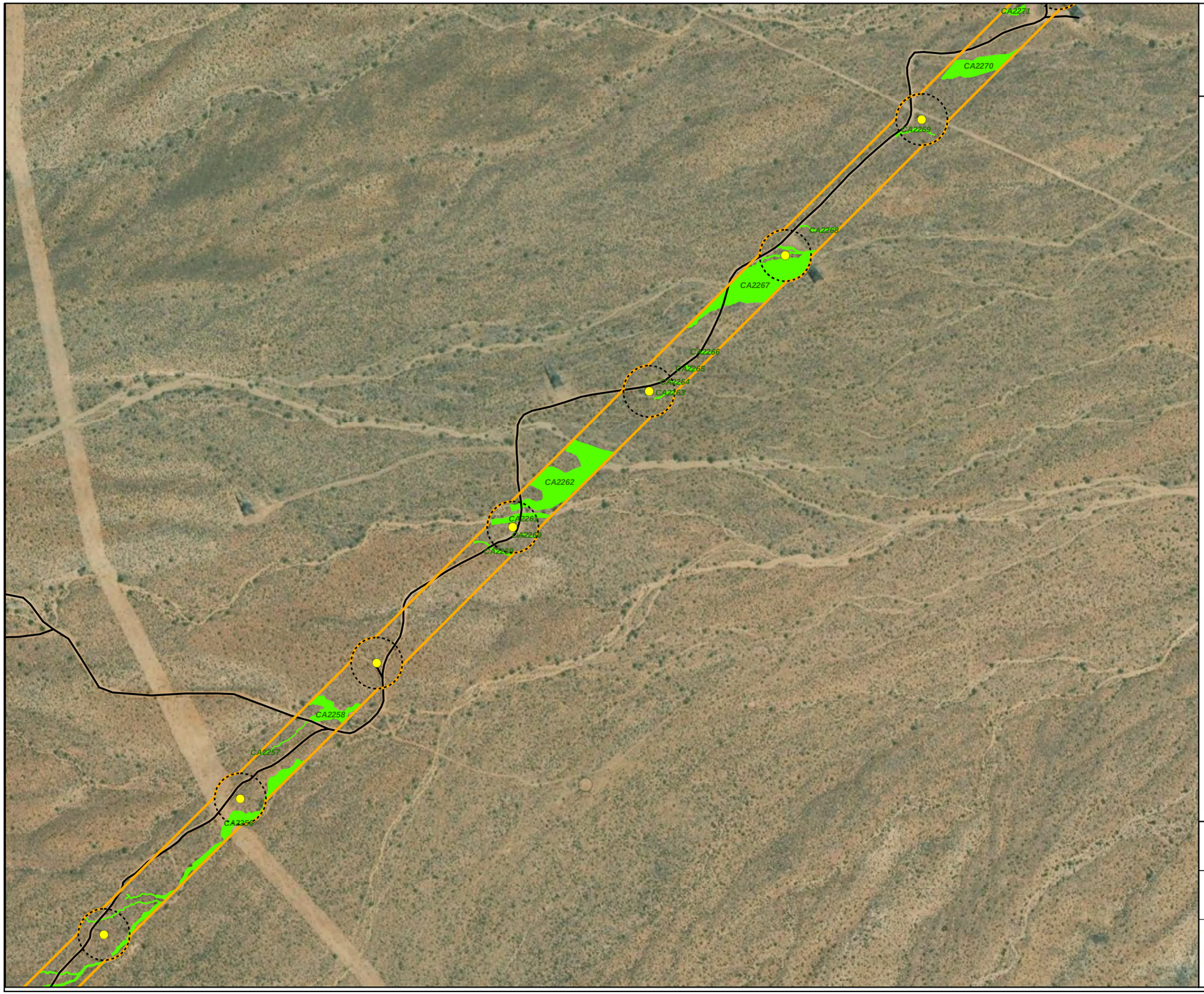

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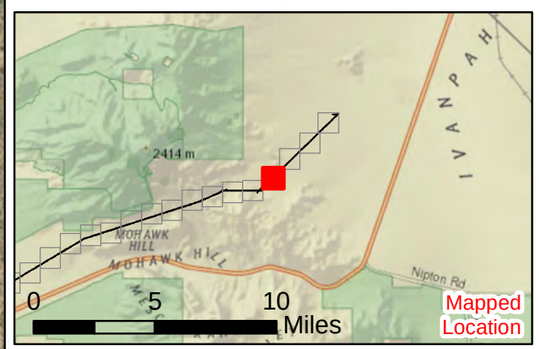

Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

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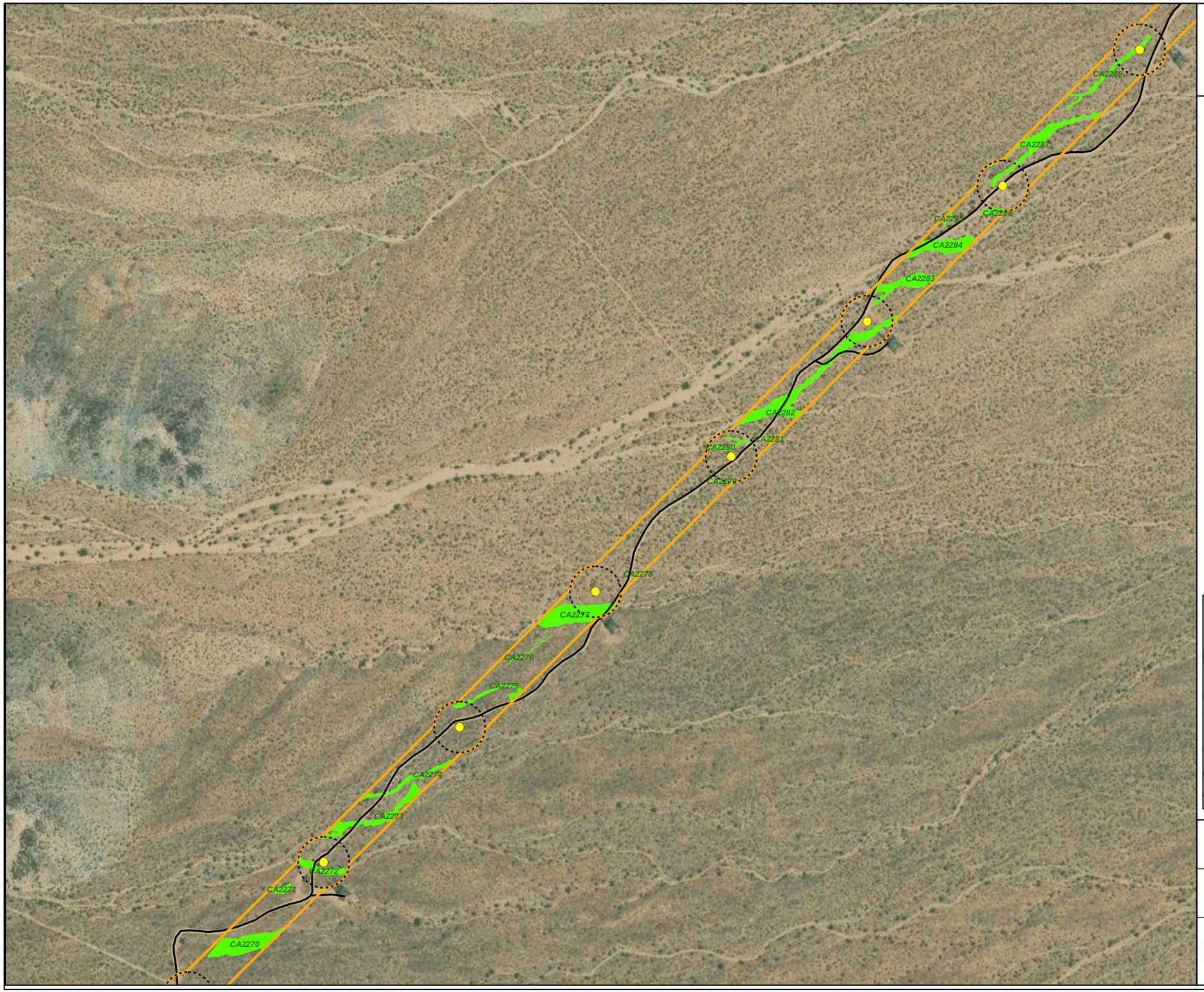
Coordinate System: NAD 1983 UTM Zone 11N

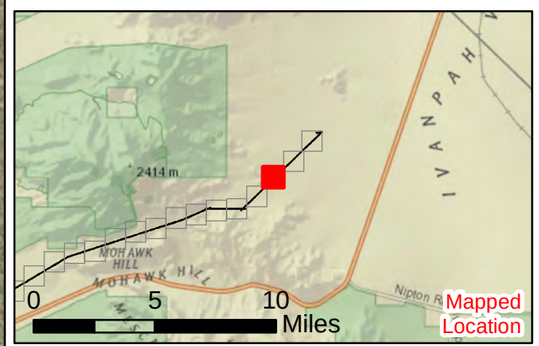


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

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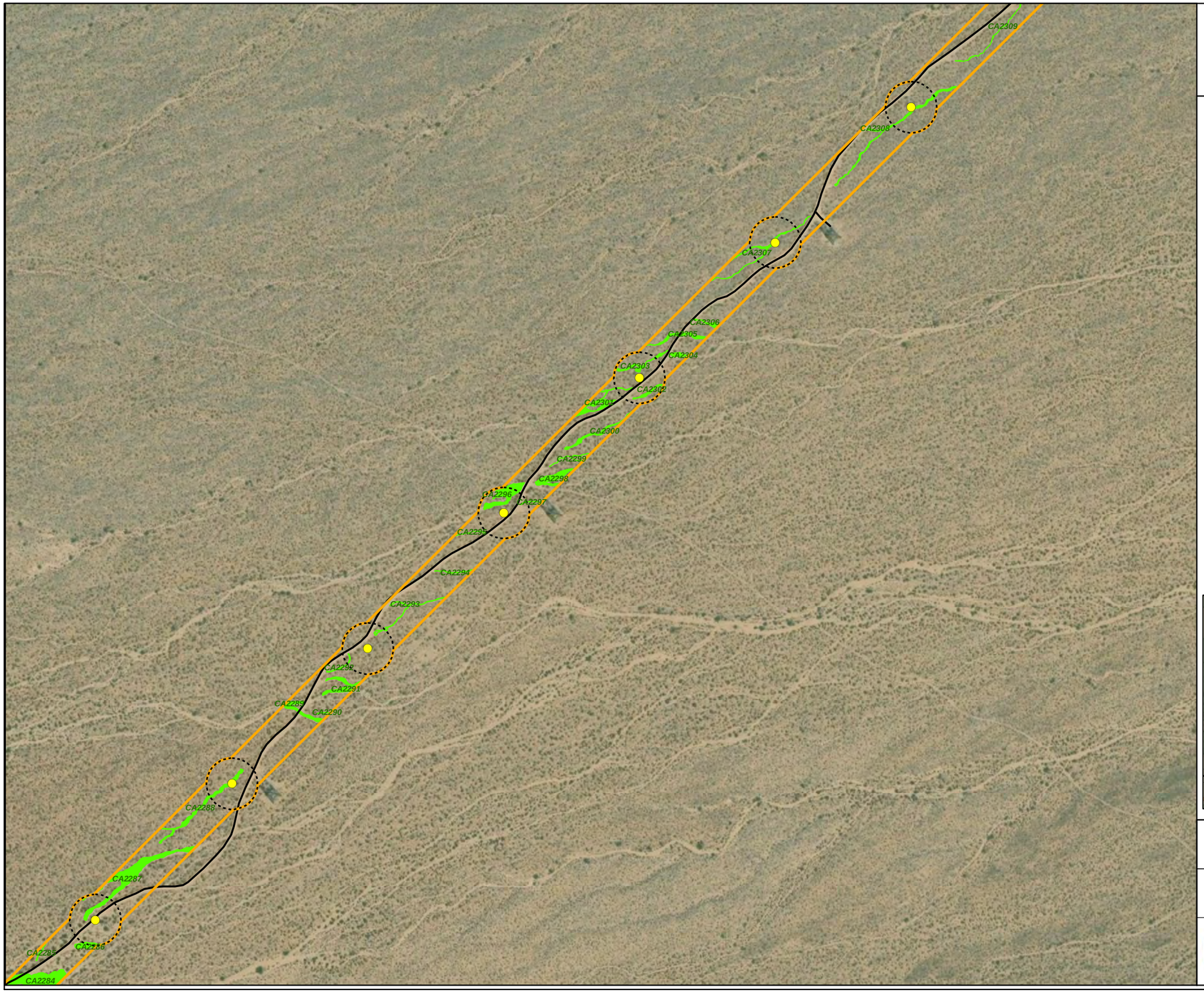
Coordinate System: NAD 1983 UTM Zone 11N



SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
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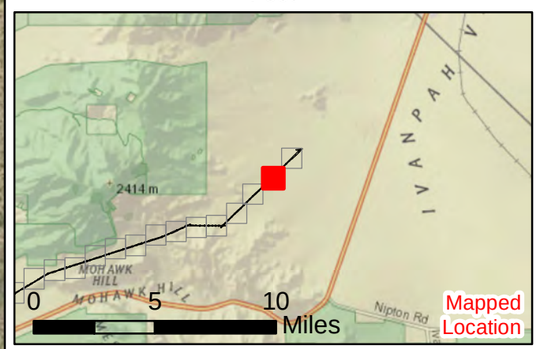
0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

198 of 199

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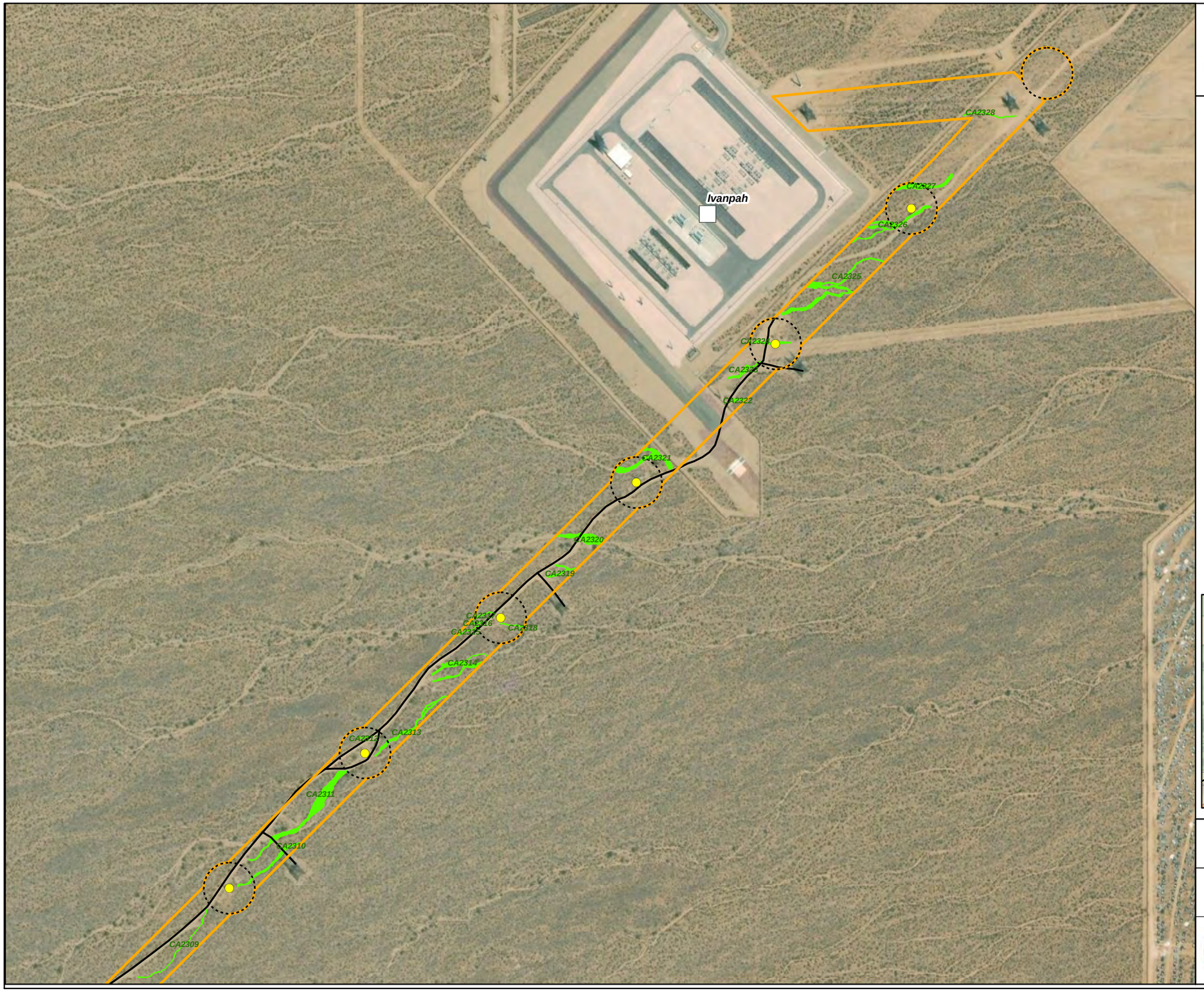
Coordinate System: NAD 1983 UTM Zone 11N

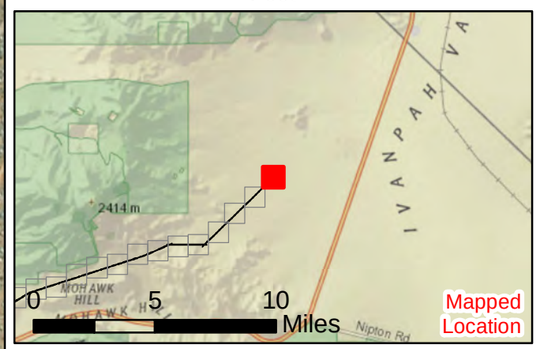


SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Legend

- Photo Locations
- Existing Structure Location
- 100 Foot Radius Tower Buffer
- Survey Area
- Access Roads
- CDFW State Waters
- Substation Location

0 500 1,000
Feet



Transmission Line Rating Remediation Project

Ivanpah-Coolwater-Kramer-Inyokern Jurisdictional Delineation

ARCADIS

Figure:

199 of 199

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Coordinate System: NAD 1983 UTM Zone 11N

ATTACHMENT G

Photographic Log

PHOTO 1. FEATURE NUMBER 0170, FACING NORHTEAST 2-24-17

PHOTO 2. FEATURE NUMBER 0167, FACING WEST 2-24-17

PHOTO 3. FEATURE NUMBER 0161, FACING WEST 2-24-17

PHOTO 4. FEATURE NUMBER 0148, FACING WEST 2-14-17

PHOTO 5. FEATURE NUMBER 0140, FACING WEST 2-27-17

PHOTO 6. FEATURE NUMBER 0130, FACING WEST 2-27-17

PHOTO 7. FEATURE NUMBER 0114, FACING SOUTHEAST 2-24-17

PHOTO 8. FEATURE NUMBER 0106, FACING WEST

PHOTO 9. FEATURE NUMBER 0103, FACING EAST 2-24-17

PHOTO 10. FEATURE NUMBER 0095, FACING WEST 2-24-17

PHOTO 11. FEATURE NUMBER 0053, FACING EAST 2-28-17

PHOTO 12. FEATURE NUMBER 0006, FACING NORTH 2-22-17

PHOTO 13. FEATURE NUMBER 0954, FACING NORTHWEST 2-22-17

PHOTO 14. FEATURE NUMBER 0904, FACING SOUTH 2-22-17

PHOTO 15. FEATURE NUMBER 0901, FACING NORTHEAST 2-22-17

PHOTO 16. FEATURE NUMBER 0867, FACING SOUTH 2-22-17

PHOTO 17.FEATURE NUMBER 0863, FACING SOUTH 2-22-17

PHOTO 18. FEATURE NUMBER 0855, FACING SOUTH 2-22-17

PHOTO 19. FEATURE NUMBER 0823, FACING SOUTH 2-23-17

PHOTO 20. FEATURE NUMBER 0803, FACING EAST 2-27-17

PHOTO 21. FEATURE NUMBER 0209, FACING SOUTH 2-21-17

PHOTO 22. FEATURE NUMBER 0244, FACING NORTH 2-21-17

PHOTO 23. FEATURE NUMBER 0245, FACING EAST 2-21-17

PHOTO 24. FEATURE NUMBER 0267, FACING EAST 2-21-17

PHOTO 25. FEATURE NUMBER 0281, FACING NORTHEAST 2-21-17

PHOTO 26. FEATURE NUMBER 0304, FACING NORTH 2-27-17

PHOTO 27. FEATURE NUMBER 0305, FACING EAST 2-27-17

PHOTO 28. FEATURE NUMBER 0399, FACING NORTH 2-28-17

PHOTO 29. FEATURE NUMBER 0420, FACING SOUTH 2-28-17

PHOTO 30. FEATURE NUMBER 0497, FACING NORTH 2-21-17

PHOTO 31. FEATURE NUMBER 0577, FACING NORTH 3-1-17

PHOTO 32. FEATURE NUMBER 0957, FACING EAST 2-28-17

PHOTO 33. FEATURE NUMBER 0972, FACING WEST 2-28-17

PHOTO 34. FEATURE NUMBER 0988, FACING SOUTH 2-28-17

PHOTO 35. FEATURE NUMBER 1040, FACING SOUTHWEST 3-1-17

PHOTO 36. FEATURE NUMBER 1037, FACING NORTHEAST 3-1-17

PHOTO 37. FEATURE NUMBER 1140, FACING SOUTH 3-1-17

PHOTO 38. FEATURE NUMBER 1212, FACING SOUTHEAST 3-1-17

PHOTO 39. FEATURE NUMBER 1222, FACING NORTH 3-2-17

PHOTO 40. FEATURE NUMBER 1355, FACING NORTHEAST 3-1-17

PHOTO 41. FEATURE NUMBER 1477, FACING SOUTHEST 3-6-17

PHOTO 42. FEATURE NUMBER 1573, FACING NORTH 3-8-17

PHOTO 43. FEATURE NUMBER 1582, FACING SOUTH 3-8-17

PHOTO 42. FEATURE NUMBER 1649, FACING WEST 3-9-17

PHOTO 43. FEATURE NUMBER 1684, FACING SOUTH 3-9-17

PHOTO 44. FEATURE NUMBER 1793, FACING NORTHEAST 3-8-17

PHOTO 45. FEATURE NUMBER 1896, FACING NORTH 3-9-17

PHOTO 46. FEATURE NUMBER 1982, FACING NORTH 3-9-17

PHOTO 47. FEATURE NUMBER 2025, FACING NORTHEAST 3-8-17

PHOTO 48. FEATURE NUMBER 2164, FACING EAS 3-8-17

PHOTO 49. FEATURE NUMBER 2203, FACING NORTH 3-7-17

PHOTO 50. FEATURE NUMBER 2243, FACING SOUTHWEST 3-7-17

PHOTO 51. FEATURE NUMBER 2272, FACING EAST 3-7-17

PHOTO 52. FEATURE NUMBER 2324, FACING EAST 3-7-17

PHOTO 53. CROSS SECTION MS7 FEATURE NUMBER 0172, FACING SOUTHWEST 2-24-17

PHOTO 54. CROSS SECTION MS6 FEATURE NUMBER 0169, FACING SOUTHWEST 2-24-17

PHOTO 55. CROSS SECTION SJ5 FEATURE NUMBER 0103, FACING SOUTHWEST 2-24-17

PHOTO 56. CROSS SECTION JT2 FEATURE NUMBER 0956, FACING SOUTH 3-14-17

PHOTO 57. CROSS SECTION MS2 FEATURE NUMBER 0900, FACING SOUTH2-23-17

PHOTO 58. CROSS SECTION MS4 FEATURE NUMBER 0893, FACING SOUTH 2-23-17

PHOTO 59. CROSS SECTION MS5 FEATURE NUMBER 0776, FACING SOUTHEAST 2-23-17

PHOTO 60. CROSS SECTION AD1 FEATURE NUMBER 0190, FACING NORTHEAST 2-22-17

PHOTO 61. CROSS SECTION COB1 FEATURE NUMBER 0200, FACING SOUTH 2-22-17

PHOTO 62. CROSS SECTION DCO1 FEATURE NUMBER 0346, FACING SOUTHEAST 2-28-17

PHOTO 63. CROSS SECTION SJ1 FEATURE NUMBER 0446, FACING NORTH 2-21-17

PHOTO 64. CROSS SECTION SJ11 FEATURE NUMBER 0543, FACING NORTH 3-1-17

PHOTO 65. CROSS SECTION SJ12 FEATURE NUMBER 0567, FACING NORTH 3-1-17

PHOTO 66. CROSSECTION DC03 FEATURE NUMBER 0653, FACING NORTH 3-1-17

PHOTO 67. CROSS SECTION AD2 FEATURE NUMBER 0958, FACING SOUTH 2-28-17

PHOTO 68. CROSS CROSS SECTION AD3 FEATURE NUMBER 1049, FACING NORTHWEST 3-1-17

PHOTO 69. CROSS SECTION BBO3 FEATURE NUMBER 1149, FACING NORTHWEST 3-2-17

PHOTO 70. CROSS SECTION AD5 FEATURE NUMBER 1357, FACING NORTH 3-6-17

PHOTO 71. CROSS SECTION AD5 FEATURE NUMBER 1372, FACING NORTH 3-6-17

PHOTO 72. CROSS SECTION AD9 FEATURE NUMBER 1593, FACING EAST 3-8-17

PHOTO 73. CROSS SECTION BB0306.03 FEATURE NUMBER 2135, FACING NORTH 3-6-17

PHOTO 74. CROSS SECTION BB0306.05 FEATURE NUMBER 2137, FACING NORTH 3-6-17

PHOTO 75. CROSS SECTION BB0306.01 FEATURE NUMBER 2187, FACING NORTH 3-6-17

PHOTO 76. CROSS SECTION BB0306.02 FEATURE NUMBER 2199, FACING NORTH 3-6-17

ATTACHMENT H

Jurisdictional Waters of the U.S./State by Feature

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0001/CA0001	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03459937	-117.553788	0.008	359.6	0.032	1383.1	188.2395559
US0002/CA0002	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04403913	-117.5562968	0.009	383.6	0.088	3846.4	388.6523481
US0003/CA0003	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04500311	-117.556428	0.007	294.7	0.027	1184.9	298.8429254
US0004/CA0004	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05347777	-117.5589174	0.008	334.9	0.029	1243.9	138.4625245
US0005/CA0005	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05472261	-117.5592384	0.009	381.6	0.038	1644.0	199.0668294
US0006/CA0006	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05556451	-117.5595192	0.022	976.6	0.102	4449.7	327.7915895
US0007/CA0007	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05613999	-117.559685	0.014	617.7	0.061	2662.3	234.2938085
US0008/CA0008	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05745746	-117.560148	0.002	65.4	0.005	221.8	66.24810979
US0009/CA0009	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06114343	-117.560859	0.045	1970.2	0.192	8354.0	1498.32589
US0010/CA0010	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06087737	-117.5610939	0.009	396.5	0.082	3577.6	389.4338761
US0011/CA0011	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06439466	-117.5618586	0.020	868.6	0.019	848.2	278.9236931
US0012/CA0012	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06566764	-117.5622301	0.009	385.4	0.009	385.4	164.6035209
US0013/CA0013	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06812467	-117.5627748	0.008	342.3	0.008	342.3	74.45457882
US0014/CA0014	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06941077	-117.5631627	0.009	395.0	0.009	395.0	90.49174668
US0015/CA0015	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0700468	-117.5633716	0.010	424.9	0.010	424.9	99.97178166
US0016/CA0016	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07059952	-117.5636396	0.046	1999.1	0.046	1999.1	289.9083602
US0017/CA0017	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07389364	-117.5644661	0.003	124.1	0.010	417.2	126.0211586
US0018/CA0018	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07477573	-117.5649922	0.001	43.0	0.005	236.1	43.45192987
US0019/CA0019	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07520211	-117.564876	0.019	846.3	0.072	3119.6	240.7740886
US0020/CA0020	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07586222	-117.5650931	0.016	691.0	0.059	2589.8	188.5486876
US0021/CA0021	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07681842	-117.5652382	0.002	88.9	0.012	529.4	89.88599264
US0022/CA0022	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07831171	-117.5656657	0.003	129.3	0.006	259.0	130.7361504
US0023/CA0023	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0786827	-117.5658932	0.256	11170.5	0.309	13441.1	163.406693
US0024/CA0024	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08005541	-117.566117	0.003	146.3	0.006	245.3	73.57762459
US0025/CA0025	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08040825	-117.5663468	0.004	185.9	0.014	616.7	188.1607635
US0026/CA0026	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08098341	-117.5665121	0.030	1314.5	0.178	7763.6	200.3967114
US0027/CA0027	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08180716	-117.5666396	0.014	596.1	0.023	995.1	302.5893444
US0028/CA0028	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08267214	-117.5669703	0.316	13785.7	0.886	38585.0	263.1941638
US0029/CA0029	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08411339	-117.5674319	0.027	1173.4	0.027	1173.4	356.6394223
US0030/CA0030	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08491185	-117.5674937	0.012	513.1	0.012	513.1	146.5305135
US0031/CA0031	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08527858	-117.5679146	0.001	61.4	0.001	61.4	61.77798305
US0032/CA0032	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08539064	-117.5679147	0.002	67.6	0.002	67.6	68.3955689
US0033/CA0033	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08565908	-117.5678526	0.028	1217.6	0.038	1673.4	377.5455027
US0034/CA0034	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08588974	-117.5680666	0.001	62.0	0.001	62.0	62.62937613
US0035/CA0035	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08600421	-117.5677519	0.005	199.5	0.005	199.5	202.4044591
US0036/CA0036	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08806298	-117.5685239	0.018	782.9	0.029	1258.7	206.987155
US0037/CA0037	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08846674	-117.5686594	0.003	151.7	0.007	304.2	153.8841874
US0038/CA0038	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0891473	-117.5689137	0.017	720.2	0.017	720.2	98.38637063
US0039/CA0039	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.09142765	-117.5696455	0.011	495.8	0.017	749.5	114.2075083
US0040/CA0040	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.09347836	-117.5700476	0.003	131.7	0.006	264.0	133.3663898
US0041/CA0041	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.09376756	-117.570219	0.001	60.0	0.001	60.0	60.19523173
US0042/CA0042	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.09464628	-117.5703859	0.027	1154.7	0.027	1154.7	200.8044176
US0043/CA0043	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.09661976	-117.5709294	0.014	599.8	0.019	820.5	155.1428207
US0044/CA0044	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.09910674	-117.5716009	0.017	719.6	0.017	719.6	143.5335547
US0045/CA0045	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.10522131	-117.5732569	0.003	127.3	0.003	127.3	128.6004286
US0046/CA0046	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.10532049	-117.5734386	0.002	87.3	0.002	87.3	87.93721015
US0047/CA0047	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.10934815	-117.5746256	0.002	89.9	0.002	89.9	90.54694011
US0048/CA0048	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.11036054	-117.5748512	0.009	410.3	0.009	410.3	416.2113861
US0049/CA0049	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.11171067	-117.5751786	0.036	1550.9	0.422	18362.8	125.2180919
US0050/CA0050	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2240643	-117.606616	0.005	216.7	0.005	216.7	108.385224

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0051/CA0051	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23099552	-117.608523	0.008	357.9	0.008	357.8	181.1669125
US0052/CA0052	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23938563	-117.6109139	0.011	485.3	0.011	485.3	118.6867184
US0053/CA0053	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.28291557	-117.6229596	0.039	1692.7	0.101	4405.5	186.7417292
US0054/CA0054	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.28408795	-117.6231494	0.005	231.0	0.009	377.0	104.887606
US0055/CA0055	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.28792567	-117.6245494	0.016	692.7	0.073	3183.9	362.1706022
US0056/CA0056	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.28834887	-117.6245517	0.007	300.9	0.009	394.4	44.99045072
US0057/CA0057	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2913609	-117.6251915	0.001	59.1	0.006	245.8	59.58457283
US0058/CA0058	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29278151	-117.6257375	0.016	690.9	0.059	2580.7	251.8562673
US0059/CA0059	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29374416	-117.6260241	0.003	138.8	0.021	909.6	140.2321768
US0060/CA0060	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29625091	-117.6265743	0.002	75.8	0.007	324.3	76.47746322
US0061/CA0061	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29968633	-117.6274774	0.012	523.9	0.047	2053.5	208.2205471
US0062/CA0062	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30152426	-117.6280753	0.018	775.0	0.067	2934.9	325.8877942
US0063/CA0063	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30536122	-117.62945	0.003	118.6	0.022	940.3	119.6277691
US0064/CA0064	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30655497	-117.6296667	0.005	232.3	0.005	232.3	235.6154431
US0065/CA0065	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3067964	-117.6299224	0.009	398.0	0.013	571.2	61.37130323
US0066/CA0066	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30775344	-117.6300976	0.005	222.1	0.005	222.1	167.7182827
US0067/CA0067	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3102732	-117.6306984	0.013	564.4	0.019	813.1	79.28606782
US0068/CA0068	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31240193	-117.6312113	0.092	3992.0	0.092	3992.0	579.4533497
US0069/CA0069	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31985079	-117.6333763	0.046	2005.0	0.092	4014.9	924.8116454
US0070/CA0070	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34232958	-117.6395473	0.001	64.9	0.001	64.9	65.30007414
US0071/CA0071	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34290686	-117.6400254	0.003	147.1	0.003	147.1	85.30243818
US0072/CA0072	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3438215	-117.6399698	0.008	366.9	0.008	366.9	60.48392853
US0073/CA0073	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34812002	-117.6412285	0.010	447.0	0.010	447.0	97.64015789
US0074/CA0074	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35595802	-117.643542	0.002	107.3	0.002	107.3	80.5526888
US0075/CA0075	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35914734	-117.6445025	0.020	858.2	0.030	1301.5	198.2073046
US0076/CA0076	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36328289	-117.6459008	0.020	850.4	0.030	1323.9	423.0574711
US0077/CA0077	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36432482	-117.6464118	0.017	762.2	0.054	2373.3	352.2330321
US0078/CA0078	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36503165	-117.6468046	0.003	141.2	0.003	141.2	107.1219881
US0079/CA0079	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36566624	-117.647655	0.008	345.9	0.008	345.9	150.0773122
US0080/CA0080	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3658631	-117.6474104	0.047	2025.8	0.068	2973.6	248.5884254
US0081/CA0081	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36593624	-117.6478658	0.036	1585.0	0.051	2225.3	151.2147893
US0082/CA0082	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3665693	-117.6481934	0.069	2985.5	0.132	5756.1	537.2219834
US0083/CA0083	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36823223	-117.6493907	0.202	8813.8	0.316	13763.2	844.443923
US0084/CA0084	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36839495	-117.6493544	0.003	136.2	0.003	136.2	55.42554416
US0085/CA0085	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36882473	-117.6498321	0.019	834.1	0.029	1243.2	150.7435048
US0086/CA0086	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36904998	-117.6499557	0.024	1050.6	0.024	1050.6	119.2128979
US0087/CA0087	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36984739	-117.650353	0.008	363.6	0.039	1679.7	233.2853158
US0088/CA0088	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37130511	-117.6515105	0.029	1278.1	0.051	2201.4	186.755608
US0089/CA0089	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37191431	-117.6520868	0.011	476.9	0.011	476.9	160.5880964
US0090/CA0090	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37207161	-117.6523647	0.015	634.7	0.015	634.7	75.73155065
US0091/CA0091	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37245958	-117.6524848	0.007	304.0	0.040	1741.7	233.5280475
US0092/CA0092	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37325907	-117.6530253	0.004	179.4	0.004	179.4	82.33519041
US0093/CA0093	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37332668	-117.6531595	0.005	238.7	0.005	238.8	108.6971406
US0094/CA0094	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37708116	-117.6565866	0.097	4235.3	0.097	4214.4	821.3418387
US0095/CA0095	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39309603	-117.6705168	0.027	1196.4	0.050	2189.8	224.8899643
US0096/CA0096	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39727132	-117.6740533	0.011	479.3	0.011	479.3	244.862695
US0097/CA0097	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40441125	-117.6801934	0.032	1408.5	0.057	2480.9	363.8613562
US0098/CA0098	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41198532	-117.6866685	0.012	525.9	0.012	525.9	103.1892077
US0099/CA0099	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41313503	-117.6878614	0.013	549.9	0.013	549.9	166.8987296
US0100/CA0100	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41413307	-117.6888689	0.029	1271.0	0.029	1271.0	588.1709175

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0101/CA0101	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41505624	-117.6892887	0.003	131.3	0.003	131.3	38.25395229
US0102/CA0102	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41569507	-117.6898967	0.004	174.3	0.006	272.2	63.96195129
US0103/CA0103	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4170022	-117.6912271	0.067	2910.4	0.109	4733.0	157.0425641
US0104/CA0104	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41787686	-117.6919698	0.022	948.7	0.022	948.7	197.7663788
US0105/CA0105	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4204732	-117.694408	0.006	248.3	0.006	248.2	77.06351163
US0106/CA0106	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43090455	-117.7032976	0.119	5196.9	0.164	7137.7	625.8830349
US0107/CA0107	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43166917	-117.704068	0.014	622.0	0.014	622.0	115.9278327
US0108/CA0108	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43188331	-117.7041769	0.005	238.9	0.018	796.1	202.5251304
US0109/CA0109	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43241416	-117.7046962	0.005	221.6	0.007	292.9	134.4740589
US0110/CA0110	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43263821	-117.7047664	0.043	1862.5	0.060	2600.1	202.8942153
US0111/CA0111	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43718475	-117.7100191	0.071	3092.0	0.095	4131.4	327.8855109
US0112/CA0112	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43755812	-117.7105438	0.013	560.1	0.013	560.1	213.5066651
US0113/CA0113	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43801275	-117.7111025	0.030	1323.3	0.195	8488.8	201.6578693
US0114/CA0114	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43870366	-117.7119821	0.548	23851.1	0.512	22284.2	226.4634803
US0115/CA0115	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44699156	-117.7173076	0.017	760.0	0.067	2905.7	387.6473847
US0116/CA0116	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44618748	-117.7168183	0.041	1771.9	0.041	1771.9	342.1439123
US0117/CA0117	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44072525	-117.7143234	0.070	3052.4	0.070	3052.4	310.20617
US0118/CA0118	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44115302	-117.7141802	0.029	1248.8	0.029	1248.8	176.7602004
US0119/CA0119	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44364254	-117.7155459	0.021	900.6	0.021	900.6	198.7122664
US0120/CA0120	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4442591	-117.7158362	0.035	1508.5	0.035	1508.4	227.7715203
US0121/CA0121	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44806043	-117.7174758	0.000	20.1	0.002	78.1	17.15422411
US0122/CA0122	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44875169	-117.718189	0.024	1034.4	0.087	3777.5	382.5716393
US0123/CA0123	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4499675	-117.7186591	0.011	487.0	0.057	2467.0	207.566874
US0124/CA0124	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45029636	-117.7188669	0.007	291.0	0.040	1740.6	156.7428866
US0125/CA0125	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45222609	-117.7197847	0.010	438.1	0.057	2502.4	182.6489492
US0126/CA0126	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45284499	-117.7202421	0.002	76.3	0.006	240.5	76.92043214
US0127/CA0127	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45299242	-117.7203487	0.001	55.1	0.004	169.9	55.28729939
US0128/CA0128	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45385205	-117.7207959	0.001	38.4	0.003	121.2	38.76267156
US0129/CA0129	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4543907	-117.7210744	0.001	32.7	0.003	142.1	32.86569077
US0130/CA0130	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45529616	-117.7212678	0.012	540.3	0.040	1758.3	216.9122334
US0131/CA0131	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45566006	-117.7215856	0.002	102.9	0.011	499.4	103.8380881
US0132/CA0132	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45605479	-117.721687	0.004	170.3	0.013	570.7	172.6797743
US0133/CA0133	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4561547	-117.7218241	0.009	386.5	0.009	386.5	195.7369528
US0134/CA0134	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45680561	-117.7222098	0.008	347.2	0.025	1109.7	213.4017171
US0135/CA0135	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45730054	-117.7223012	0.015	659.7	0.077	3366.8	337.0378552
US0136/CA0136	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45776908	-117.7225283	0.004	181.3	0.017	724.5	184.1916185
US0137/CA0137	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46013454	-117.7237006	0.011	459.9	0.048	2110.7	237.7025167
US0138/CA0138	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46082141	-117.7240359	0.004	193.0	0.052	2253.4	195.983235
US0139/CA0139	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46121128	-117.7242637	0.004	161.4	0.015	649.0	163.7138942
US0140/CA0140	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4628496	-117.7249694	0.003	149.9	0.053	2322.4	151.9064683
US0141/CA0141	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46598066	-117.7263703	0.002	80.3	0.009	392.6	60.5233543
US0142/CA0142	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46609176	-117.7261332	0.008	361.9	0.008	361.9	109.0184957
US0143/CA0143	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46966611	-117.727598	0.016	716.7	0.107	4675.3	266.1745242
US0144/CA0144	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47309508	-117.728886	0.003	150.4	0.019	848.0	153.0629083
US0145/CA0145	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47325691	-117.7290992	0.003	123.2	0.003	123.2	54.90360445
US0146/CA0146	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47387159	-117.7291593	0.006	247.3	0.034	1482.8	254.6914604
US0147/CA0147	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4742878	-117.7293134	0.005	209.9	0.039	1699.5	212.8490408
US0148/CA0148	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47561664	-117.7298701	0.030	1299.3	0.152	6600.6	397.6705245
US0149/CA0149	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47600543	-117.7297878	0.013	548.0	0.084	3652.7	185.8262141
US0150/CA0150	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4764447	-117.7302135	0.006	242.2	0.110	4783.1	240.4303988

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0151/CA0151	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47749564	-117.7305335	0.032	1380.5	0.032	1380.5	167.6276131
US0152/CA0152	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4826096	-117.732559	0.026	1147.4	0.026	1147.4	379.9244052
US0153/CA0153	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48389333	-117.7327276	0.086	3751.1	0.113	4924.4	173.8123144
US0154/CA0154	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48418628	-117.7332309	0.010	422.2	0.010	422.2	178.2417329
US0155/CA0155	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48459644	-117.7333906	0.004	186.4	0.004	186.4	113.1588773
US0156/CA0156	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48515829	-117.7335602	0.048	2088.5	0.080	3492.1	303.5339781
US0157/CA0157	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48584728	-117.7336646	0.029	1243.7	0.095	4149.4	379.9791477
US0158/CA0158	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48769361	-117.7345555	0.003	119.0	0.024	1027.6	120.3117864
US0159/CA0159	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48965149	-117.7353202	0.002	102.7	0.022	946.3	103.9947072
US0160/CA0160	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49141918	-117.7359829	0.003	109.7	0.018	785.9	110.9790965
US0161/CA0161	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49321675	-117.7366304	0.028	1233.5	0.291	12669.3	628.3829534
US0162/CA0162	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49513244	-117.7373225	0.006	279.1	0.035	1503.3	141.0122462
US0163/CA0163	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49623781	-117.7376319	0.021	917.8	0.049	2129.9	164.7811515
US0164/CA0164	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49979901	-117.739113	0.019	838.3	0.030	1298.4	129.6200068
US0165/CA0165	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50222281	-117.7399524	0.128	5586.3	0.577	25142.7	629.3811026
US0166/CA0166	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50304528	-117.7403904	0.023	990.5	0.139	6034.0	179.6827318
US0167/CA0167	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50420916	-117.7406666	0.029	1266.4	0.164	7133.3	245.7230358
US0168/CA0168	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51177003	-117.743597	0.013	556.2	0.013	556.2	281.1135436
US0169/CA0169	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5740652	-117.7668805	0.235	10230.1	0.296	12898.2	288.3671307
US0170/CA0170	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.59580224	-117.7749601	0.055	2384.2	0.082	3560.9	152.1871045
US0171/CA0171	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.60643558	-117.7790327	0.005	233.4	0.009	390.2	126.3265843
US0172/CA0172	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.63323124	-117.7889091	0.085	3720.0	0.242	10542.2	172.1097641
US0173/CA0173	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98453352	-117.5331623	0.015	639.7	0.036	1564.1	167.9348827
US0174/CA0174	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98413686	-117.5322762	0.003	121.9	0.037	1616.0	92.43450152
US0175/CA0175	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98291467	-117.5307076	0.003	114.1	0.003	114.1	49.01526921
US0176/CA0176	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98257487	-117.5301355	0.004	167.2	0.004	167.2	53.11181203
US0177/CA0177	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98208952	-117.5290666	0.014	623.0	0.080	3492.3	201.4735322
US0178/CA0178	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98024114	-117.5258874	0.169	7352.0	0.194	8433.4	172.3255373
US0179/CA0179	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97704848	-117.5204607	0.005	226.9	0.015	636.0	93.50063708
US0180/CA0180	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97370329	-117.5153495	0.006	276.2	0.014	613.1	45.77304053
US0181/CA0181	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9738876	-117.5152343	0.014	589.5	0.042	1816.7	86.06839908
US0182/CA0182	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97148509	-117.5116505	0.009	386.8	0.021	898.6	51.46342773
US0183/CA0183	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97167665	-117.5115089	0.011	484.9	0.088	3854.2	87.2444356
US0184/CA0184	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97030387	-117.5096983	0.004	189.4	0.029	1271.6	47.8700007
US0185/CA0185	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97056465	-117.5096499	0.026	1132.2	0.102	4464.2	215.8890751
US0186/CA0186	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96889712	-117.5072815	0.014	594.5	0.014	594.5	137.7882134
US0187/CA0187	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96835084	-117.5061593	0.079	3455.9	0.115	4998.0	188.2615536
US0188/CA0188	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9668046	-117.5035158	0.038	1663.0	0.038	1662.9	305.8882372
US0189/CA0189	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96551083	-117.5016872	0.015	657.9	0.015	657.9	119.0895286
US0190/CA0190	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9656366	-117.5014261	0.008	357.8	0.023	1020.0	102.3266441
US0191/CA0191	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96554511	-117.5013454	0.013	562.5	0.013	562.5	91.96667568
US0192/CA0192	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96489719	-117.500423	0.013	578.4	0.031	1343.6	195.0641271
US0193/CA0193	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96355122	-117.4984839	0.002	99.2	0.002	99.2	23.49839599
US0194/CA0194	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95781094	-117.4889372	0.002	66.0	0.002	66.0	25.84724831
US0195/CA0195	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9578008	-117.4883381	0.018	767.3	0.034	1493.5	184.5945123
US0196/CA0196	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9570224	-117.4872075	0.021	929.0	0.070	3067.2	276.5803037
US0197/CA0197	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95545277	-117.4847072	0.094	4081.8	0.265	11529.0	771.4465815
US0198/CA0198	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95413023	-117.4823677	0.015	632.5	0.059	2561.1	235.4155183
US0199/CA0199	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95329308	-117.4810489	0.464	20219.3	0.464	20219.3	182.9565631
US0200/CA0200	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94319662	-117.464108	0.029	1261.4	0.521	22679.2	152.8475396

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0201/CA0201	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94078829	-117.4601996	0.011	496.4	0.068	2956.1	160.7950431
US0202/CA0202	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93980951	-117.4583131	0.001	62.7	0.011	467.7	63.39414746
US0203/CA0203	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93899647	-117.4572068	0.004	154.3	0.042	1818.8	156.6756684
US0204/CA0204	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93735354	-117.4543081	0.002	95.2	0.016	703.1	96.0953945
US0205/CA0205	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93684206	-117.4536204	0.004	153.1	0.033	1450.9	155.8971849
US0206/CA0206	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93572185	-117.4515937	0.011	491.0	0.031	1351.3	101.1540365
US0207/CA0207	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93451057	-117.4495808	0.002	99.3	0.016	698.8	98.9539962
US0208/CA0208	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93409541	-117.4493712	0.019	824.9	0.019	824.9	58.41652081
US0209/CA0209	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93429773	-117.4492043	0.036	1569.3	0.036	1569.3	89.39971256
US0210/CA0210	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93173347	-117.4449278	0.002	90.8	0.022	939.2	91.52314295
US0211/CA0211	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93099019	-117.4441704	0.001	45.5	0.023	1016.5	46.37883755
US0212/CA0212	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93118288	-117.4440267	0.002	91.2	0.017	730.2	92.5744387
US0213/CA0213	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93062927	-117.4435513	0.001	48.8	0.011	486.8	52.68412603
US0214/CA0214	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93074899	-117.4432413	0.002	96.1	0.020	853.9	99.22368458
US0215/CA0215	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93016561	-117.4428495	0.003	142.7	0.020	864.2	72.57253831
US0216/CA0216	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93008029	-117.4427007	0.007	309.0	0.007	309.0	67.58852633
US0217/CA0217	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93032763	-117.4425634	0.005	208.5	0.028	1198.9	105.754249
US0218/CA0218	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92995952	-117.4419843	0.002	101.3	0.022	945.8	102.970097
US0219/CA0219	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92962118	-117.4418815	0.002	73.8	0.018	795.0	74.51462045
US0220/CA0220	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92983785	-117.4417418	0.002	97.6	0.014	601.0	73.98211007
US0221/CA0221	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92932215	-117.4408488	0.003	118.2	0.025	1091.5	120.020835
US0222/CA0222	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92895024	-117.4407671	0.002	103.8	0.016	699.1	52.00929934
US0223/CA0223	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92907347	-117.4405289	0.004	193.6	0.023	993.8	98.16692691
US0224/CA0224	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92876003	-117.4404557	0.001	48.4	0.030	1320.6	48.80479546
US0225/CA0225	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92884593	-117.4401401	0.004	182.3	0.024	1026.7	91.03807644
US0226/CA0226	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92867382	-117.4397775	0.002	71.3	0.014	624.7	72.76270651
US0227/CA0227	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92812347	-117.4390108	0.008	352.7	0.093	4050.3	215.7543484
US0228/CA0228	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92424116	-117.4324706	0.005	197.1	0.005	197.1	99.56630569
US0229/CA0229	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92312906	-117.430627	0.036	1576.8	0.036	1576.7	140.0786183
US0230/CA0230	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9218898	-117.4285272	0.032	1384.7	0.032	1384.7	108.2177038
US0231/CA0231	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91614593	-117.418972	0.007	305.7	0.052	2250.9	112.2155552
US0232/CA0232	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91419537	-117.4157492	0.004	175.0	0.004	174.9	88.30577217
US0233/CA0233	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9129939	-117.4137539	0.004	175.9	0.004	175.9	88.61003891
US0234/CA0234	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90103506	-117.3917062	0.003	146.6	0.016	692.5	66.83433018
US0235/CA0235	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.900907	-117.3907062	0.025	1071.1	0.025	1071.1	162.9500922
US0236/CA0236	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90099621	-117.3905559	0.006	277.3	0.006	277.3	87.96779003
US0237/CA0237	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90084158	-117.3769769	0.011	481.3	0.011	481.3	145.4187272
US0238/CA0238	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90087948	-117.370262	0.008	339.3	0.015	632.4	95.07428649
US0239/CA0239	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90043984	-117.3425091	0.004	174.4	0.030	1310.6	105.2312818
US0240/CA0240	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90066831	-117.3419744	0.004	191.8	0.024	1031.1	87.97815234
US0241/CA0241	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90042077	-117.3377847	0.003	130.9	0.018	769.9	51.5286578
US0242/CA0242	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90067522	-117.33775	0.018	773.8	0.018	773.8	78.94840579
US0243/CA0243	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90041175	-117.3312484	0.003	125.2	0.020	856.7	60.42346967
US0244/CA0244	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90063473	-117.3311136	0.005	210.9	0.039	1704.8	87.39786808
US0245/CA0245	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90003363	-117.2907289	0.013	576.5	0.152	6622.0	175.7673654
US0246/CA0246	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89974131	-117.2735574	0.005	214.4	0.018	789.0	131.3162338
US0247/CA0247	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89975293	-117.2732125	0.002	66.9	0.008	337.2	58.55285907
US0248/CA0248	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89999153	-117.2728851	0.004	161.8	0.013	565.2	97.5716775
US0249/CA0249	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89970901	-117.2678167	0.004	155.1	0.023	1012.8	94.11793469
US0250/CA0250	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89992507	-117.2669262	0.005	218.7	0.033	1416.0	115.2236002

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0251/CA0251	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89968187	-117.264878	0.004	176.3	0.023	1008.9	99.5961855
US0252/CA0252	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89989671	-117.2647271	0.003	140.8	0.011	499.3	85.10859513
US0253/CA0253	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8998728	-117.2506544	0.004	162.5	0.018	799.5	66.51560529
US0254/CA0254	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89986367	-117.247745	0.006	276.6	0.006	276.6	114.7532157
US0255/CA0255	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89958936	-117.2470261	0.014	607.6	0.042	1843.6	311.5217253
US0256/CA0256	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8996007	-117.2465403	0.006	256.0	0.028	1236.5	123.8651951
US0257/CA0257	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89974506	-117.2405192	0.031	1331.7	0.031	1331.7	620.2763402
US0258/CA0258	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89955549	-117.2403366	0.022	966.3	0.109	4733.2	444.6637782
US0259/CA0259	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89919332	-117.2406782	0.005	213.8	0.028	1204.3	97.99802535
US0260/CA0260	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89912811	-117.2401949	0.006	253.7	0.027	1177.7	116.3734826
US0261/CA0261	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89895597	-117.2399223	0.006	246.3	0.036	1557.0	151.094667
US0262/CA0262	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8986982	-117.2400377	0.002	90.6	0.010	440.9	54.61700061
US0263/CA0263	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89869527	-117.2396579	0.004	175.2	0.025	1088.4	106.2207365
US0264/CA0264	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89847144	-117.2397531	0.008	347.7	0.008	347.7	50.54548287
US0265/CA0265	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89851269	-117.2394169	0.004	163.0	0.023	989.6	98.29126712
US0266/CA0266	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89802419	-117.2388954	0.013	583.7	0.051	2219.3	270.0244275
US0267/CA0267	Streambed - Vegetated	Intermittent	Other Waters	1602	Scrub-Shrub	34.89775216	-117.2390959	0.069	2990.7	0.257	11210.0	917.6831392
US0268/CA0268	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89792679	-117.2378095	0.003	111.4	0.003	111.4	60.39706299
US0269/CA0269	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89789868	-117.2376866	0.005	223.4	0.015	647.1	137.9448626
US0270/CA0270	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89789769	-117.2375943	0.004	195.8	0.011	498.5	118.6437276
US0271/CA0271	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8976826	-117.2373831	0.004	172.1	0.004	172.1	78.71907416
US0272/CA0272	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89794763	-117.2373127	0.005	197.0	0.005	197.0	51.08782057
US0273/CA0273	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89793657	-117.2369107	0.018	787.8	0.018	787.8	162.4593252
US0274/CA0274	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8979787	-117.236589	0.011	471.4	0.032	1381.8	223.691544
US0275/CA0275	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89772705	-117.2366556	0.004	180.6	0.004	180.6	53.75943983
US0276/CA0276	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8982183	-117.2339368	0.013	550.7	0.013	550.7	280.0592321
US0277/CA0277	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89810729	-117.2291733	0.011	475.0	0.015	641.5	69.94928926
US0278/CA0278	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89805434	-117.229126	0.011	471.9	0.014	623.7	73.7722317
US0279/CA0279	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8979899	-117.2288353	0.012	503.7	0.025	1089.1	154.4573523
US0280/CA0280	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89636676	-117.2271079	0.113	4921.3	0.152	6607.4	663.4655769
US0281/CA0281	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89571619	-117.2259554	0.207	9011.3	0.207	9011.3	623.4393677
US0282/CA0282	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89528308	-117.2255123	0.026	1131.8	0.026	1131.8	329.440995
US0283/CA0283	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89484661	-117.2248884	0.029	1257.1	0.045	1967.6	254.1763007
US0284/CA0284	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89419256	-117.2259467	0.010	419.8	0.010	419.8	77.1129041
US0285/CA0285	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89409886	-117.224258	0.041	1780.1	0.041	1780.1	490.3262583
US0286/CA0286	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89416518	-117.2238957	0.014	614.0	0.014	614.0	140.0560463
US0287/CA0287	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89343073	-117.223296	0.039	1687.0	0.053	2294.5	190.8933433
US0288/CA0288	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89413741	-117.2231181	0.009	385.8	0.014	616.9	102.4379581
US0289/CA0289	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89434354	-117.2221798	0.019	846.2	0.019	846.2	236.5845039
US0290/CA0290	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89413788	-117.2217309	0.014	593.9	0.022	957.1	98.8278992
US0291/CA0291	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89433943	-117.2211306	0.027	1177.3	0.027	1177.3	275.6459916
US0292/CA0292	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89426761	-117.2207201	0.060	2607.5	0.060	2607.5	280.5919837
US0293/CA0293	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89410552	-117.2158262	0.003	151.9	0.015	670.2	79.88423015
US0294/CA0294	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89409112	-117.213737	0.004	153.8	0.017	718.9	70.25461523
US0295/CA0295	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89408363	-117.2109803	0.006	242.9	0.021	905.1	90.6158018
US0296/CA0296	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89409153	-117.2100775	0.004	170.8	0.011	499.1	47.54149033
US0297/CA0297	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89432588	-117.2099621	0.003	148.3	0.017	755.5	97.10135913
US0298/CA0298	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89438982	-117.2089357	0.005	215.8	0.019	826.2	112.595645
US0299/CA0299	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89431767	-117.2058164	0.004	175.6	0.016	706.4	91.97809232
US0300/CA0300	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89408698	-117.2038216	0.004	172.3	0.011	485.7	70.70511967

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0301/CA0301	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89435953	-117.2034946	0.007	285.3	0.017	722.0	87.10465941
US0302/CA0302	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89433988	-117.1692467	0.007	290.4	0.007	290.4	57.4349316
US0303/CA0303	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89436973	-117.1678091	0.002	102.4	0.002	102.4	55.94609544
US0304/CA0304	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89453784	-117.1611649	0.631	27479.3	0.631	27479.3	185.9927071
US0305/CA0305	Streambed - Unvegetated	Intermittent	Other Waters	1602	Scrub-Shrub	34.8944357	-117.1287942	9.112	396918.3	9.112	396918.3	385.8454831
US0306/CA0306	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88635872	-117.0827755	0.054	2337.6	0.054	2337.6	200.1365891
US0307/CA0307	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88523836	-117.0811935	0.006	257.2	0.036	1556.6	106.8297946
US0308/CA0308	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8848431	-117.0805037	0.013	560.0	0.044	1913.3	157.0399676
US0309/CA0309	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88436085	-117.0797721	0.044	1915.5	0.143	6214.1	348.6853206
US0310/CA0310	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88348444	-117.0784996	0.319	13906.1	0.319	13906.1	1608.795334
US0311/CA0311	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88254695	-117.0768513	0.041	1784.6	0.041	1784.6	278.7928815
US0312/CA0312	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88213671	-117.0767334	0.018	803.3	0.026	1119.4	125.2999724
US0313/CA0313	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88207023	-117.076555	0.005	220.2	0.005	220.2	111.1733381
US0314/CA0314	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88225593	-117.0764084	0.091	3964.2	0.091	3964.2	345.8127352
US0315/CA0315	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88191224	-117.076364	0.006	248.3	0.006	248.2	188.6448881
US0316/CA0316	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88177338	-117.0761666	0.033	1417.4	0.033	1417.4	291.6183691
US0317/CA0317	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88200878	-117.0760913	0.027	1181.6	0.043	1860.5	144.5340346
US0318/CA0318	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88153928	-117.0758224	0.035	1542.1	0.061	2641.5	332.1355443
US0319/CA0319	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88158999	-117.0753864	0.028	1213.0	0.057	2464.1	136.2724481
US0320/CA0320	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88113805	-117.0752059	0.024	1031.8	0.041	1768.7	249.9839407
US0321/CA0321	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88097994	-117.074953	0.032	1381.2	0.032	1381.2	159.936903
US0322/CA0322	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88089475	-117.0748276	0.008	365.5	0.008	365.5	110.7099454
US0323/CA0323	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88117336	-117.0748386	0.015	631.6	0.015	631.6	185.8756217
US0324/CA0324	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88078694	-117.0746661	0.015	653.6	0.044	1897.3	142.8411112
US0325/CA0325	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88092118	-117.0744193	0.017	719.3	0.032	1377.8	242.8644942
US0326/CA0326	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88053635	-117.0742395	0.011	487.6	0.011	487.6	190.5675328
US0327/CA0327	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88059684	-117.0739447	0.004	186.5	0.008	329.1	75.4383742
US0328/CA0328	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Anthropogenic/Distbd	34.88042198	-117.0739361	0.008	353.9	0.008	354.3	159.7073223
US0329/CA0329	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88037328	-117.0738348	0.015	663.9	0.015	663.9	199.3619977
US0330/CA0330	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88041347	-117.0736174	0.005	199.9	0.008	356.5	84.51843059
US0331/CA0331	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8801835	-117.0736898	0.005	222.6	0.005	222.5	80.25905013
US0332/CA0332	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88003901	-117.0735374	0.005	221.9	0.005	221.9	75.39422392
US0333/CA0333	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88002742	-117.0734612	0.004	179.6	0.004	179.6	73.93771707
US0334/CA0334	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8800872	-117.0732697	0.007	291.1	0.011	497.9	108.1768352
US0335/CA0335	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8798598	-117.0732688	0.004	176.6	0.008	337.1	65.48154062
US0336/CA0336	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87979631	-117.0732006	0.005	235.4	0.009	373.0	101.8112021
US0337/CA0337	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88008383	-117.0731489	0.020	871.9	0.033	1457.8	120.4347948
US0338/CA0338	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87976944	-117.0731396	0.005	199.3	0.009	372.5	60.1891375
US0339/CA0339	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87970195	-117.0730633	0.003	115.6	0.003	115.7	57.95338611
US0340/CA0340	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87971145	-117.07287	0.009	401.5	0.016	686.8	163.6936003
US0341/CA0341	Streambed - Unvegetated	Perennial	Other Waters	1602	Scrub-Shrub	34.87969758	-117.0727708	0.004	171.6	0.008	343.8	174.441779
US0342/CA0342	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87941802	-117.0726372	0.002	102.4	0.002	102.4	103.3115537
US0343/CA0343	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87944866	-117.072306	0.131	5722.9	0.258	11260.1	360.4294895
US0344/CA0344	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87908579	-117.0721805	0.002	92.6	0.004	156.5	51.39312848
US0345/CA0345	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87894461	-117.0719463	0.004	173.2	0.004	173.2	56.41759909
US0346/CA0346	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87881697	-117.0714125	1.091	47512.0	1.438	62627.6	198.2848741
US0347/CA0347	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87814103	-117.0705267	0.039	1691.1	0.039	1691.1	458.4939954
US0348/CA0348	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87799239	-117.0699722	0.006	242.2	0.006	242.1	66.36213229
US0349/CA0349	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87769344	-117.0697595	0.023	1014.9	0.023	1014.9	297.4807864
US0350/CA0350	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87749213	-117.0695732	0.011	477.1	0.011	477.2	160.1641402

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0351/CA0351	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87748079	-117.0693874	0.014	616.6	0.025	1075.6	152.9754047
US0352/CA0352	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87667033	-117.0684902	0.026	1134.7	0.026	1134.7	240.3090829
US0353/CA0353	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87669186	-117.0682753	0.052	2249.0	0.052	2249.0	504.870096
US0354/CA0354	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87658962	-117.0680248	0.005	209.7	0.005	209.7	72.59283096
US0355/CA0355	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87620514	-117.0679254	0.003	124.9	0.003	124.9	30.96400217
US0356/CA0356	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87660204	-117.0678573	0.009	393.0	0.009	393.0	50.84824132
US0357/CA0357	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87635617	-117.0675077	0.014	593.8	0.014	593.8	198.1294139
US0358/CA0358	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87589349	-117.0673197	0.026	1150.0	0.026	1149.9	83.98675118
US0359/CA0359	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87587786	-117.0667678	0.014	607.3	0.014	607.3	166.3026798
US0360/CA0360	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87551157	-117.0665052	0.070	3068.9	0.070	3068.9	630.1082923
US0361/CA0361	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87494913	-117.065989	0.011	476.5	0.011	476.5	115.9090097
US0362/CA0362	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87466446	-117.0661053	0.013	558.5	0.013	558.5	122.8818331
US0363/CA0363	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87463356	-117.0642025	0.006	282.7	0.006	282.7	93.04234294
US0364/CA0364	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8746086	-117.0640037	0.010	423.6	0.010	423.6	74.21499319
US0365/CA0365	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87454055	-117.0473074	0.013	583.2	0.013	583.2	64.52061319
US0366/CA0366	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87472524	-117.0469129	0.007	295.1	0.007	295.0	106.0345751
US0367/CA0367	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87480673	-117.0467887	0.004	155.8	0.004	155.8	36.09688846
US0368/CA0368	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87453467	-117.0466193	0.016	686.1	0.016	686.1	182.3473075
US0369/CA0369	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87468456	-117.0465281	0.013	545.7	0.013	545.7	107.8081206
US0370/CA0370	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87467779	-117.0462326	0.008	330.3	0.008	330.3	106.4624182
US0371/CA0371	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87466673	-117.0461012	0.014	590.4	0.022	975.2	181.0767176
US0372/CA0372	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87466407	-117.0459979	0.004	191.0	0.004	191.0	71.45930137
US0373/CA0373	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87466619	-117.0458567	0.031	1371.0	0.031	1371.0	319.6854884
US0374/CA0374	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87469512	-117.0455321	0.010	456.6	0.010	456.6	96.4339306
US0375/CA0375	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87388592	-117.0463797	0.009	393.8	0.053	2303.3	402.9576542
US0376/CA0376	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87370816	-117.0461754	0.014	601.4	0.014	601.4	121.2758215
US0377/CA0377	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87384006	-117.045932	0.071	3076.4	0.098	4290.5	461.3078804
US0378/CA0378	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87324528	-117.0456171	0.014	598.0	0.014	598.0	145.3022193
US0379/CA0379	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87314109	-117.0454748	0.014	604.7	0.019	828.6	102.4410928
US0380/CA0380	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87283684	-117.0450632	0.004	193.2	0.004	193.2	57.06725339
US0381/CA0381	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87274527	-117.0449473	0.008	354.2	0.008	354.2	85.70151062
US0382/CA0382	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87244485	-117.0445583	0.011	471.7	0.011	471.7	116.2869267
US0383/CA0383	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8722936	-117.0443752	0.008	342.5	0.008	342.5	79.81112799
US0384/CA0384	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87250585	-117.0441849	0.004	159.7	0.004	159.7	85.45884216
US0385/CA0385	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87213511	-117.0439521	0.038	1661.4	0.060	2618.4	245.7413776
US0386/CA0386	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87155897	-117.043444	0.007	308.6	0.007	308.6	55.66224752
US0387/CA0387	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87143359	-117.0433168	0.015	649.4	0.015	649.4	141.5383001
US0388/CA0388	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87122041	-117.0427924	0.041	1790.1	0.041	1790.1	295.8739052
US0389/CA0389	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8707412	-117.0424221	0.004	167.3	0.006	281.0	51.41840044
US0390/CA0390	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87061366	-117.0422596	0.004	169.0	0.004	169.0	51.04191417
US0391/CA0391	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87044112	-117.0420845	0.004	168.7	0.006	273.6	56.29378165
US0392/CA0392	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8702967	-117.0418783	0.005	206.3	0.007	313.5	72.72445416
US0393/CA0393	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87021168	-117.041782	0.012	525.5	0.012	525.6	131.6963099
US0394/CA0394	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86976743	-117.0412082	0.006	259.6	0.006	259.6	102.04469
US0395/CA0395	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86979381	-117.0409532	0.015	655.8	0.015	655.8	181.4685834
US0396/CA0396	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8694667	-117.0408714	0.009	377.3	0.009	377.3	127.5637842
US0397/CA0397	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86942305	-117.0404301	0.010	447.1	0.015	663.9	138.8123286
US0398/CA0398	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86901795	-117.0403017	0.005	218.7	0.005	218.7	78.99721722
US0399/CA0399	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86894211	-117.0399465	0.039	1687.9	0.039	1687.9	247.5119778
US0400/CA0400	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86870457	-117.0398888	0.009	406.7	0.009	406.8	125.724823

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0401/CA0401	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86857053	-117.0397409	0.004	153.6	0.005	219.6	46.87914057
US0402/CA0402	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86850569	-117.0396405	0.008	333.0	0.008	333.0	136.9961236
US0403/CA0403	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8686297	-117.0393496	0.007	313.7	0.010	430.0	131.1811807
US0404/CA0404	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86823582	-117.0393306	0.005	220.7	0.005	220.7	75.15808933
US0405/CA0405	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86809557	-117.0391372	0.008	365.4	0.008	365.4	44.79716557
US0406/CA0406	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86826657	-117.0389204	0.021	913.4	0.027	1192.4	176.2994856
US0407/CA0407	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86796266	-117.0389807	0.004	180.4	0.006	246.9	47.14626846
US0408/CA0408	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8679968	-117.0385809	0.006	246.0	0.008	347.2	109.9401286
US0409/CA0409	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86747791	-117.0383821	0.002	93.1	0.002	93.1	51.05161905
US0410/CA0410	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86733229	-117.037866	0.128	5575.2	0.139	6050.1	171.822268
US0411/CA0411	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86707813	-117.0373172	0.004	183.8	0.004	183.8	39.67580697
US0412/CA0412	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86666754	-117.0369627	0.013	580.3	0.013	580.3	106.2799909
US0413/CA0413	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86602721	-117.0363298	0.023	1020.7	0.023	1020.7	254.4359952
US0414/CA0414	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86583692	-117.0360409	0.043	1880.8	0.055	2399.7	280.9683638
US0415/CA0415	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86573306	-117.0357722	0.026	1132.8	0.026	1132.8	241.9880506
US0416/CA0416	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8652679	-117.0355659	0.008	327.3	0.009	407.5	95.36149286
US0417/CA0417	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8651137	-117.0354145	0.005	201.4	0.005	201.4	72.8165096
US0418/CA0418	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8650591	-117.0353533	0.010	439.3	0.010	439.3	92.21923062
US0419/CA0419	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86481619	-117.0348012	0.083	3633.6	0.083	3633.6	655.6879701
US0420/CA0420	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86438333	-117.0345394	0.017	749.7	0.017	749.7	154.5690999
US0421/CA0421	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86468824	-117.0344448	0.039	1679.8	0.047	2054.5	208.8203715
US0422/CA0422	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86460252	-117.0343572	0.012	509.5	0.016	692.2	110.6224663
US0423/CA0423	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86432231	-117.0344244	0.010	416.5	0.010	416.5	143.9951443
US0424/CA0424	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86409138	-117.0341233	0.026	1118.8	0.026	1118.8	257.6722175
US0425/CA0425	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86416963	-117.0338117	0.017	738.3	0.024	1063.1	205.6317442
US0426/CA0426	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86388273	-117.0338621	0.005	228.4	0.005	228.4	85.73749155
US0427/CA0427	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86349702	-117.0333802	0.005	203.7	0.005	203.7	63.772749
US0428/CA0428	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86332744	-117.0331706	0.007	316.7	0.007	316.7	69.79423944
US0429/CA0429	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86336636	-117.0327385	0.013	577.8	0.017	726.1	119.7722962
US0430/CA0430	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86306504	-117.0322687	0.025	1071.2	0.031	1354.8	311.1329635
US0431/CA0431	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86269024	-117.032319	0.021	916.9	0.029	1260.4	128.0628863
US0432/CA0432	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86197295	-117.0309797	0.005	203.7	0.005	203.6	60.59359908
US0433/CA0433	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86188295	-117.0308043	0.005	224.4	0.005	224.5	43.55307223
US0434/CA0434	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86152761	-117.0302339	0.053	2311.7	0.053	2311.7	358.1732838
US0435/CA0435	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86158788	-117.0297821	0.089	3889.0	0.089	3889.0	274.9582355
US0436/CA0436	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86156276	-117.0294009	0.038	1657.4	0.055	2383.6	249.8399326
US0437/CA0437	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86173875	-117.0291123	0.004	174.1	0.008	326.9	78.86175027
US0438/CA0438	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8615958	-117.0290105	0.026	1148.0	0.026	1147.9	212.9853429
US0439/CA0439	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86146937	-117.0288041	0.005	211.3	0.005	211.4	46.59207257
US0440/CA0440	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8614723	-117.0287227	0.006	270.8	0.006	270.9	62.0805645
US0441/CA0441	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8614599	-117.0284092	0.008	334.1	0.008	334.1	72.03626096
US0442/CA0442	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86167729	-117.0279842	0.021	898.9	0.031	1357.9	163.5940469
US0443/CA0443	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86144437	-117.0276621	0.008	369.3	0.015	643.2	76.64294327
US0444/CA0444	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8616325	-117.0268521	0.079	3429.2	0.079	3429.2	397.1075232
US0445/CA0445	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86142875	-117.0270564	0.008	332.9	0.010	450.1	45.81648806
US0446/CA0446	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86157704	-117.0264557	0.324	14114.5	0.324	14114.5	207.3548892
US0447/CA0447	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86146706	-117.0260557	0.188	8197.7	0.188	8197.7	314.0150314
US0448/CA0448	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86166974	-117.0257361	0.048	2094.8	0.048	2094.8	210.4070741
US0449/CA0449	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86143532	-117.025501	0.006	266.6	0.017	744.4	65.85505587
US0450/CA0450	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86142013	-117.0254143	0.005	198.1	0.005	198.1	59.09134141

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0451/CA0451	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86160887	-117.0251393	0.004	189.8	0.004	189.8	86.4137175
US0452/CA0452	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86141401	-117.0249317	0.003	151.5	0.020	863.0	54.38538463
US0453	Streambed - Vegetated	Ephemeral	Other Waters	n/a	Scrub-Shrub	34.86140307	-117.0246604	0.002	100.3			46.21745722
US0454/CA0454	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86162985	-117.0245676	0.018	775.6	0.018	775.5	106.8853536
US0455/CA0455	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86161101	-117.0244043	0.025	1085.9	0.025	1086.0	106.3639159
US0456/CA0456	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86139866	-117.0244221	0.002	87.0	0.085	3706.2	39.92185774
US0457/CA0457	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86153813	-117.0241395	0.007	307.1	0.097	4214.2	187.2636987
US0458/CA0458	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86138342	-117.0236575	0.006	272.1	0.026	1113.1	84.12127567
US0459/CA0459	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86163046	-117.0234091	0.010	432.0	0.010	432.0	130.8180556
US0460/CA0460	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86140173	-117.0232772	0.005	226.2	0.005	226.2	62.07534629
US0461/CA0461	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86137479	-117.0229866	0.017	752.1	0.017	752.1	163.6783999
US0462	Streambed - Vegetated	Ephemeral	Other Waters	n/a	Scrub-Shrub	34.86139079	-117.0227477	0.004	165.6			50.38685765
US0463/CA0463	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86139608	-117.0226873	0.005	201.0	0.041	1783.9	60.96678716
US0464/CA0464	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86160304	-117.0225294	0.032	1386.4	0.032	1386.4	88.15868192
US0465/CA0465	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86148678	-117.0218918	0.009	403.4	0.038	1646.2	203.9638795
US0466/CA0466	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86171115	-117.0215338	0.002	65.7	0.002	88.2	13.13116024
US0467/CA0467	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86170135	-117.0213228	0.001	25.8	0.001	25.7	15.06653914
US0468/CA0468	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86158724	-117.0210636	0.051	2225.9	0.051	2226.0	235.9066689
US0469/CA0469	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86135487	-117.0211613	0.007	289.8	0.041	1789.3	97.48501408
US0470/CA0470	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86140095	-117.0205352	0.007	299.4	0.011	500.4	89.9128009
US0471/CA0471	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86169188	-117.0204796	0.002	89.2	0.002	89.2	12.41642724
US0472/CA0472	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86139783	-117.0198286	0.036	1561.5	0.036	1561.5	169.7248998
US0473/CA0473	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86168434	-117.0192836	0.000	20.3	0.001	25.9	5.006217497
US0474/CA0474	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86166518	-117.01918	0.000	17.6	0.002	74.9	17.51427415
US0475/CA0475	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8613483	-117.0189703	0.015	641.6	0.015	641.6	71.22352609
US0476/CA0476	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8616711	-117.0189384	0.001	22.8	0.001	22.8	9.673829622
US0477/CA0477	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86159543	-117.0187328	0.011	468.3	0.011	468.3	111.7336661
US0478/CA0478	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86128157	-117.0184913	0.007	315.3	0.007	315.3	35.21303824
US0479/CA0479	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86159552	-117.0182068	0.012	534.4	0.012	534.4	108.5154027
US0480/CA0480	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86132538	-117.0179209	0.006	247.6	0.006	247.6	79.37308952
US0481/CA0481	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86136527	-117.0176213	0.008	368.7	0.076	3305.7	225.0097627
US0482/CA0482	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86165379	-117.0176159	0.002	73.6	0.002	73.6	44.24157528
US0483/CA0483	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86142256	-117.0147066	0.111	4822.9	0.174	7568.9	221.327059
US0484/CA0484	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86115706	-117.0087986	0.015	669.4	0.028	1211.2	78.49011264
US0485/CA0485	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86140483	-117.0081788	0.014	610.5	0.170	7403.9	549.4987567
US0486/CA0486	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86114469	-117.007693	0.042	1821.4	0.042	1821.4	106.0418328
US0487/CA0487	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86141208	-117.0075951	0.014	603.2	0.073	3166.3	108.3853226
US0488/CA0488	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86137928	-117.0070237	0.056	2451.7	0.340	14819.0	669.572218
US0489/CA0489	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86115246	-117.0074216	0.004	173.7	0.004	173.7	104.3462246
US0490/CA0490	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8611331	-117.0067913	0.001	51.2	0.013	572.4	45.96314983
US0491/CA0491	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86112232	-117.0060392	0.012	540.8	0.098	4249.7	260.7604124
US0492/CA0492	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86136439	-117.0057293	0.024	1058.2	0.107	4667.4	280.0075934
US0493/CA0493	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86110262	-117.0053545	0.007	303.5	0.007	303.5	55.50917967
US0494/CA0494	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8611118	-117.0052761	0.003	134.2	0.012	524.9	47.49992418
US0495/CA0495	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86135053	-117.005145	0.032	1410.6	0.032	1410.6	194.4514691
US0496/CA0496	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8612507	-117.0048403	0.040	1747.3	0.040	1747.3	164.3770182
US0497/CA0497	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86126116	-117.0039083	0.115	4989.6	0.115	4989.6	277.7266212
US0498/CA0498	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86108208	-117.0029717	0.009	410.6	0.011	498.0	46.75270777
US0499/CA0499	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86141272	-117.0027655	0.001	49.2	0.001	49.2	10.62020725
US0500/CA0500	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86122026	-117.0022534	0.053	2302.6	0.062	2720.8	172.2890725

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0501/CA0501	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86119492	-117.0016733	0.019	847.8	0.026	1127.8	166.8987493
US0502/CA0502	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86137253	-117.001199	0.001	58.2	0.001	58.2	17.99731138
US0503/CA0503	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86137642	-117.0011556	0.002	81.1	0.002	81.1	16.41527349
US0504/CA0504	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86121737	-117.0005824	0.018	785.8	0.044	1905.6	220.252734
US0505/CA0505	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86131063	-117.0004565	0.008	329.7	0.016	682.2	115.8397802
US0506/CA0506	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86119221	-116.9994721	0.361	15715.3	0.361	15715.3	418.7035002
US0507/CA0507	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86113328	-116.9988681	0.019	812.8	0.019	812.8	172.7066417
US0508/CA0508	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86133961	-116.9986404	0.002	71.7	0.002	71.7	16.41627683
US0509/CA0509	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86131856	-116.9982265	0.002	90.2	0.002	90.2	35.96201692
US0510/CA0510	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86114877	-116.9982339	0.014	614.0	0.021	903.7	182.1609412
US0511/CA0511	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86117953	-116.9977755	0.018	794.8	0.026	1149.5	169.5288864
US0512/CA0512	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86098023	-116.9973379	0.002	101.4	0.002	101.4	40.21403483
US0513/CA0513	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86126886	-116.9971652	0.006	261.9	0.006	261.9	79.70233703
US0514/CA0514	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86112355	-116.9969125	0.027	1184.2	0.037	1604.6	155.9311947
US0515/CA0515	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86122524	-116.9966139	0.008	365.0	0.021	914.0	113.745999
US0516/CA0516	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86114163	-116.9962528	0.028	1209.5	0.039	1684.7	250.8654728
US0517/CA0517	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86114779	-116.9958401	0.013	560.6	0.035	1532.7	171.111214
US0518/CA0518	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86117808	-116.9950443	0.053	2324.6	0.079	3461.2	300.3460714
US0519/CA0519	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86134436	-116.9946156	0.002	104.2	0.002	104.2	25.31220374
US0520/CA0520	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86135072	-116.9945037	0.001	22.7	0.001	22.7	10.07672351
US0521/CA0521	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86135306	-116.9944219	0.001	34.6	0.001	34.6	9.897517688
US0522/CA0522	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86115095	-116.9941256	0.035	1546.0	0.048	2080.8	200.4869841
US0523/CA0523	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86137435	-116.993844	0.003	145.0	0.003	145.0	39.31940266
US0524/CA0524	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86101918	-116.9938757	0.002	87.6	0.002	87.6	40.50977547
US0525/CA0525	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86124838	-116.9936231	0.008	348.8	0.012	523.1	158.0593687
US0526/CA0526	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86101092	-116.9929479	0.005	201.4	0.005	201.4	37.53120436
US0527/CA0527	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86102729	-116.992732	0.005	231.6	0.005	231.6	115.5824998
US0528/CA0528	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86124039	-116.9922817	0.005	226.1	0.017	733.3	115.111099
US0529/CA0529	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86111863	-116.9921369	0.016	712.1	0.026	1133.4	151.6716054
US0530/CA0530	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86121513	-116.9919668	0.035	1529.1	0.047	2027.8	153.6069152
US0531/CA0531	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86120504	-116.9918162	0.051	2213.4	0.074	3235.5	365.7919373
US0532/CA0532	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86118365	-116.9905868	0.007	321.2	0.034	1489.4	163.9813373
US0533/CA0533	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86120896	-116.989617	0.008	328.6	0.011	477.2	158.7354827
US0534/CA0534	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86131428	-116.9895426	0.009	387.6	0.009	387.6	70.53195589
US0535/CA0535	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8611991	-116.9892435	0.021	908.7	0.021	908.7	159.3910506
US0536/CA0536	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86115691	-116.988826	0.021	909.7	0.021	909.7	162.2594513
US0537/CA0537	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86120667	-116.9868477	0.007	325.6	0.024	1060.1	167.6268795
US0538/CA0538	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86141703	-116.9862791	0.001	46.8	0.001	46.8	10.75009823
US0539/CA0539	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86118659	-116.9853338	0.205	8928.9	0.224	9737.0	162.5947577
US0540/CA0540	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8612551	-116.9846735	0.022	948.4	0.022	948.4	188.9035295
US0541/CA0541	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86126992	-116.9838387	0.028	1216.2	0.028	1216.2	181.339716
US0542/CA0542	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86134555	-116.9826834	0.011	499.4	0.011	499.4	234.9022204
US0543/CA0543	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86132959	-116.9822444	0.174	7599.2	0.209	9085.3	506.7156821
US0544/CA0544	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86124914	-116.981293	0.020	884.9	0.020	884.9	267.0168054
US0545/CA0545	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86128239	-116.9809804	0.035	1507.1	0.035	1507.1	317.9271806
US0546/CA0546	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86121052	-116.9801838	0.077	3367.7	0.077	3367.7	490.9110818
US0547/CA0547	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86109074	-116.9800081	0.006	279.7	0.006	279.7	86.65457646
US0548/CA0548	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86129754	-116.9787796	0.017	760.7	0.017	760.7	319.787909
US0549/CA0549	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.861309	-116.9780197	0.029	1262.4	0.041	1772.8	240.550022
US0550/CA0550	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86128608	-116.9777989	0.013	557.8	0.013	555.9	169.7486565

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US0551/CA0551	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86140428	-116.9767323	0.005	223.1	0.011	459.8	226.8413252
US0552/CA0552	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86124003	-116.9765583	0.031	1369.9	0.038	1642.1	171.2867489
US0553/CA0553	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86126056	-116.9763232	0.001	51.7	0.001	51.7	51.78284435
US0554/CA0554	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86126255	-116.9746747	0.038	1653.3	0.048	2078.2	456.4418572
US0555/CA0555	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86129251	-116.9750063	0.004	185.0	0.004	185.0	187.7319258
US0556/CA0556	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86108362	-116.9748509	0.000	18.9	0.000	18.9	19.05898368
US0557/CA0557	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86112542	-116.974561	0.003	116.6	0.003	116.6	50.49249353
US0558/CA0558	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86137682	-116.9741759	0.013	558.7	0.018	775.6	120.6739529
US0559/CA0559	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86129772	-116.9736511	0.178	7766.8	0.192	8347.1	167.8161393
US0560/CA0560	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86138098	-116.9731815	0.002	76.6	0.002	76.6	77.56850829
US0561/CA0561	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86132002	-116.9722728	0.016	682.9	0.023	996.5	113.6883887
US0562/CA0562	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86141056	-116.9720298	0.004	189.6	0.004	189.6	83.88993076
US0563/CA0563	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8613676	-116.9718601	0.013	565.0	0.013	565.0	116.1816509
US0564/CA0564	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86137758	-116.9714723	0.008	337.2	0.011	471.5	82.49844682
US0565/CA0565	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86140003	-116.9710355	0.009	381.0	0.012	538.1	94.6771496
US0566/CA0566	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86125719	-116.9705261	0.048	2085.9	0.064	2777.3	245.1231563
US0567/CA0567	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86127714	-116.9701862	0.161	7011.1	0.174	7588.9	232.8528035
US0568/CA0568	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86110796	-116.9698799	0.003	117.7	0.003	117.7	57.08882111
US0569/CA0569	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8611051	-116.9698051	0.002	85.1	0.002	85.1	52.3937348
US0570/CA0570	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86138053	-116.9695401	0.020	862.4	0.020	862.4	107.0856165
US0571/CA0571	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86128044	-116.9692779	0.042	1847.5	0.042	1847.5	260.5581288
US0572/CA0572	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86108849	-116.9684556	0.045	1945.6	0.045	1945.6	285.0263148
US0573/CA0573	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.86105178	-116.9679729	0.055	2414.1	0.067	2917.0	307.3200732
US0574/CA0574	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85805128	-116.9089399	0.018	779.4	0.103	4478.0	396.4800583
US0575/CA0575	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85543284	-116.9081928	0.111	4848.1	0.111	4848.1	1213.171891
US0576/CA0576	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85470532	-116.9083333	0.028	1224.4	0.028	1224.3	323.9837499
US0577/CA0577	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85277688	-116.9080801	0.229	9996.6	0.229	9996.6	1305.900876
US0578/CA0578	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8508972	-116.9079662	0.007	306.3	0.012	504.1	96.96019086
US0579/CA0579	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85067577	-116.9077033	0.031	1354.0	0.053	2296.7	354.8753412
US0580/CA0580	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050845	-116.9076515	0.001	44.5	0.002	105.0	44.83434187
US0581/CA0581	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85064323	-116.9067682	0.472	20559.1	1.246	54271.8	550.8457905
US0582/CA0582	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85074009	-116.9023452	0.003	136.2	0.007	315.9	89.98734473
US0583/CA0583	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050222	-116.901565	0.002	103.5	0.004	181.0	53.26493037
US0584/CA0584	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85066224	-116.9012823	0.044	1908.7	0.116	5031.3	207.0802904
US0585/CA0585	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85065155	-116.9007145	0.025	1073.9	0.026	1122.9	139.8167665
US0586/CA0586	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85065474	-116.9001169	0.012	535.4	0.018	780.2	142.2643924
US0587/CA0587	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8506345	-116.899823	0.015	639.0	0.035	1538.1	162.3581556
US0588/CA0588	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050604	-116.8994783	0.008	329.2	0.011	461.6	63.72034193
US0589/CA0589	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85073013	-116.899249	0.004	185.4	0.009	373.5	93.46572815
US0590/CA0590	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85073884	-116.8988935	0.003	152.2	0.006	255.3	76.53241412
US0591/CA0591	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85079271	-116.8986577	0.001	40.6	0.003	138.3	40.88932637
US0592/CA0592	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85069265	-116.8983522	0.012	525.4	0.019	845.8	134.2930062
US0593/CA0593	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85061925	-116.8974479	0.010	422.5	0.014	604.4	152.1570793
US0594/CA0594	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050668	-116.8970914	0.003	116.0	0.004	195.1	58.18645665
US0595/CA0595	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050266	-116.8968807	0.003	109.9	0.004	184.9	55.06712877
US0596/CA0596	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85060928	-116.8963833	0.016	683.2	0.020	886.9	209.2917338
US0597/CA0597	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049272	-116.896346	0.001	50.4	0.002	102.2	50.4667042
US0598/CA0598	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85047774	-116.8955216	0.053	2305.9	0.053	2305.9	268.9537471
US0599/CA0599	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049152	-116.8950682	0.004	183.6	0.005	232.9	46.74657521
US0600/CA0600	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85072679	-116.8947499	0.002	85.5	0.002	85.6	86.52898942

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US0601/CA0601	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049892	-116.8942703	0.011	500.7	0.017	755.6	107.6833469
US0602/CA0602	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85065044	-116.8939543	0.018	764.4	0.020	873.4	185.0758672
US0603/CA0603	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85065612	-116.8936163	0.034	1476.5	0.043	1854.7	206.18568
US0604/CA0604	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85061776	-116.8930441	0.016	680.8	0.026	1125.8	349.9931184
US0605/CA0605	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85048749	-116.892789	0.002	100.0	0.005	206.6	48.36523997
US0606/CA0606	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85061731	-116.8923917	0.024	1025.9	0.030	1292.7	312.8121074
US0607/CA0607	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85063008	-116.8922575	0.008	347.2	0.013	578.7	176.4434623
US0608/CA0608	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85062052	-116.8918496	0.097	4228.0	0.135	5890.1	354.6234597
US0609/CA0609	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85048801	-116.8919746	0.002	104.7	0.004	176.2	52.43379174
US0610/CA0610	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85048829	-116.8915733	0.016	714.6	0.019	827.0	114.9525484
US0611/CA0611	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85070379	-116.8913885	0.022	946.0	0.032	1395.4	127.7699126
US0612/CA0612	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85048093	-116.8914781	0.001	47.8	0.002	96.3	48.19934192
US0613/CA0613	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049706	-116.8913636	0.004	183.8	0.006	271.1	54.74644701
US0614/CA0614	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85069522	-116.8907679	0.153	6660.8	0.174	7575.5	710.3244117
US0615/CA0615	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85048704	-116.8907922	0.002	90.5	0.004	152.6	45.2282219
US0616/CA0616	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85048582	-116.8900299	0.005	239.5	0.011	477.2	145.7782283
US0617/CA0617	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85048003	-116.8897878	0.007	298.1	0.009	383.3	88.75984765
US0618/CA0618	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85073186	-116.889656	0.010	430.1	0.016	686.2	115.294001
US0619/CA0619	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8504841	-116.889441	0.001	44.0	0.002	88.8	44.33741677
US0620/CA0620	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85071067	-116.8893602	0.021	920.7	0.032	1405.2	92.47922611
US0621/CA0621	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049696	-116.8890825	0.019	811.2	0.026	1137.2	273.827552
US0622/CA0622	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85069375	-116.8890077	0.021	898.5	0.026	1140.0	109.8569736
US0623/CA0623	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8504906	-116.8887199	0.002	100.9	0.004	169.8	50.47453039
US0624/CA0624	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85075988	-116.8883651	0.054	2368.5	0.077	3369.3	465.5871438
US0625/CA0625	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85047982	-116.8884439	0.006	271.3	0.006	271.2	61.80634473
US0626/CA0626	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8504877	-116.8883485	0.007	288.0	0.010	437.8	111.7853579
US0627/CA0627	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049031	-116.8879846	0.027	1168.7	0.036	1563.9	239.7495767
US0628/CA0628	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85071174	-116.8878985	0.012	501.6	0.016	681.8	101.5590647
US0629/CA0629	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85062412	-116.8876713	0.015	663.7	0.034	1468.3	217.2043491
US0630/CA0630	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050209	-116.8874362	0.006	266.7	0.008	369.8	53.79715409
US0631/CA0631	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85071295	-116.8873955	0.007	283.7	0.009	372.0	83.89749663
US0632/CA0632	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049522	-116.8873623	0.001	54.1	0.002	108.9	54.55121537
US0633/CA0633	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049154	-116.887242	0.001	46.9	0.002	94.5	47.22994717
US0634/CA0634	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85073347	-116.8871886	0.007	302.4	0.018	763.2	86.07705002
US0635/CA0635	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049722	-116.8871157	0.004	170.6	0.005	223.4	50.71427024
US0636/CA0636	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049233	-116.8868744	0.008	330.1	0.010	427.8	102.0072678
US0637/CA0637	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85070941	-116.8868512	0.014	609.2	0.023	1009.4	160.3870293
US0638/CA0638	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049127	-116.8867555	0.005	225.1	0.008	327.9	52.39482124
US0639/CA0639	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85059435	-116.8862789	0.025	1086.0	0.035	1526.6	178.2561708
US0640/CA0640	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85072725	-116.8855629	0.005	230.0	0.012	501.6	116.1666106
US0641/CA0641	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049776	-116.8852148	0.006	270.6	0.009	407.7	108.1972031
US0642/CA0642	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8504842	-116.8849176	0.005	207.1	0.006	275.6	56.45276996
US0643/CA0643	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049808	-116.8847489	0.005	223.6	0.007	286.2	52.55255341
US0644/CA0644	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85047237	-116.884657	0.007	293.0	0.011	458.6	41.38681699
US0645/CA0645	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85071009	-116.8846501	0.014	625.1	0.019	810.9	95.8618658
US0646/CA0646	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85071635	-116.884307	0.007	312.9	0.013	545.9	81.31012678
US0647/CA0647	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8505195	-116.8841611	0.003	113.4	0.004	183.3	41.04359819
US0648/CA0648	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85074005	-116.8840011	0.026	1134.5	0.035	1519.5	82.72546227
US0649/CA0649	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85048976	-116.8838981	0.003	144.6	0.005	228.7	51.22715151
US0650/CA0650	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85048413	-116.883739	0.004	169.1	0.005	227.9	49.33422169

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0651/CA0651	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85052889	-116.8835165	0.026	1118.0	0.031	1365.6	126.1921709
US0652/CA0652	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85063683	-116.8826158	0.296	12879.2	0.569	24799.1	494.1495247
US0653/CA0653	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8505041	-116.8822637	0.001	53.5	0.002	107.9	54.01404132
US0654/CA0654	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049225	-116.8821237	0.003	132.4	0.005	212.9	53.63959714
US0655/CA0655	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85067889	-116.881792	0.103	4473.0	0.174	7571.3	385.5941664
US0656/CA0656	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050223	-116.8816047	0.002	104.1	0.005	222.1	52.12313656
US0657/CA0657	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85061525	-116.8814628	0.022	954.4	0.030	1310.3	243.7749998
US0658/CA0658	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85059709	-116.8810953	0.011	468.9	0.014	625.4	207.0798826
US0659/CA0659	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85048505	-116.8809811	0.003	126.9	0.005	214.8	62.90914234
US0660/CA0660	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050103	-116.8809201	0.001	53.0	0.002	107.5	53.07259628
US0661/CA0661	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8505026	-116.8803008	0.001	50.1	0.002	100.9	50.51827724
US0662/CA0662	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85065944	-116.8795441	0.109	4761.9	0.147	6410.9	438.497046
US0663/CA0663	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049924	-116.8793271	0.003	128.4	0.004	187.0	49.86843282
US0664/CA0664	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050681	-116.8792263	0.003	110.2	0.005	234.9	55.21607087
US0665/CA0665	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85057344	-116.8788725	0.043	1861.9	0.051	2239.7	340.6742703
US0666/CA0666	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85055707	-116.8784697	0.029	1246.6	0.041	1802.9	186.6308088
US0667/CA0667	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8506138	-116.878315	0.022	970.1	0.029	1282.7	143.9088903
US0668/CA0668	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049296	-116.8781366	0.005	228.2	0.008	350.8	51.17743608
US0669/CA0669	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85063081	-116.8780166	0.020	871.1	0.025	1082.4	154.5496192
US0670/CA0670	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85060448	-116.8776167	0.057	2482.7	0.079	3437.8	185.3512503
US0671/CA0671	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85059901	-116.8773341	0.045	1977.8	0.063	2742.5	273.4724177
US0672/CA0672	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.850589	-116.8769359	0.024	1032.1	0.031	1350.8	278.6882948
US0673/CA0673	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050855	-116.8768159	0.002	103.8	0.004	174.7	51.97980704
US0674/CA0674	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Anthropogenic/Distbd	34.85050556	-116.8766361	0.002	95.4	0.004	181.6	47.70585566
US0675/CA0675	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.850601	-116.876426	0.022	970.8	0.034	1459.6	232.4943924
US0676/CA0676	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85074705	-116.876197	0.009	402.9	0.013	556.9	108.5702721
US0677/CA0677	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85047303	-116.8762062	0.005	227.0	0.007	293.1	52.79450302
US0678/CA0678	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049914	-116.876135	0.001	47.2	0.002	96.0	47.23104063
US0679/CA0679	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85060957	-116.8758645	0.178	7764.8	0.248	10821.4	325.2427125
US0680/CA0680	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.850508	-116.8756353	0.001	48.6	0.002	98.8	48.64846925
US0681/CA0681	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050868	-116.8755904	0.001	49.4	0.002	100.2	49.39178768
US0682/CA0682	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85063033	-116.8754879	0.021	934.4	0.029	1263.5	156.7917187
US0683/CA0683	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85051483	-116.8752316	0.003	126.5	0.005	212.5	63.52416154
US0684/CA0684	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85079222	-116.8750063	0.005	230.1	0.007	317.3	76.08415661
US0685/CA0685	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85051239	-116.8750033	0.003	110.3	0.004	185.4	55.2493201
US0686/CA0686	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85065028	-116.8747952	0.014	613.9	0.021	896.2	187.1826403
US0687/CA0687	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85064015	-116.8745504	0.016	695.1	0.023	988.9	191.212475
US0688/CA0688	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85052409	-116.8743695	0.009	388.0	0.014	593.9	55.02001215
US0689/CA0689	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85049915	-116.8742288	0.002	75.3	0.002	75.3	49.48748433
US0690/CA0690	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85064141	-116.8736408	0.013	556.2	0.033	1416.5	566.9688172
US0691/CA0691	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050346	-116.8737433	0.001	56.3	0.001	56.3	60.5354241
US0692/CA0692	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85065899	-116.8725362	0.020	866.4	0.027	1195.2	163.3491784
US0693/CA0693	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85046808	-116.8723262	0.008	356.2	0.008	356.2	140.7269986
US0694/CA0694	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050307	-116.8722218	0.001	53.0	0.001	53.0	53.15523977
US0695/CA0695	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85070462	-116.8721165	0.010	429.5	0.015	647.3	129.6356904
US0696/CA0696	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050158	-116.8718089	0.031	1366.1	0.038	1641.6	286.4088944
US0697/CA0697	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8504968	-116.8715987	0.012	535.8	0.017	731.5	178.954332
US0698/CA0698	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8503674	-116.8714662	0.002	66.4	0.002	66.4	67.07052624
US0699/CA0699	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8502511	-116.8709883	0.001	56.2	0.003	112.7	56.53402132
US0700/CA0700	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85021568	-116.8708334	0.005	196.4	0.006	246.9	60.93695093

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0701/CA0701	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85034055	-116.870761	0.008	352.2	0.013	586.8	178.9954386
US0702/CA0702	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85016774	-116.8706263	0.002	101.0	0.004	169.9	50.52717538
US0703/CA0703	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85012844	-116.8704467	0.001	49.0	0.002	98.8	49.38685728
US0704/CA0704	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85021799	-116.8700017	0.014	590.9	0.019	848.4	172.5939435
US0705/CA0705	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8500876	-116.8696106	0.007	292.2	0.013	581.3	148.0740358
US0706/CA0706	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.84984375	-116.8691281	0.001	49.6	0.001	49.6	50.02045455
US0707/CA0707	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.84978112	-116.8688659	0.001	50.7	0.001	50.7	51.14880246
US0708/CA0708	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.84975275	-116.8687303	0.001	41.7	0.001	41.7	41.99545319
US0709/CA0709	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.84974044	-116.8685388	0.001	28.1	0.001	57.8	27.8063179
US0710/CA0710	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.84993374	-116.8684796	0.004	186.3	0.007	312.2	93.86791161
US0711/CA0711	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.84958738	-116.8679824	0.003	139.2	0.004	189.6	39.14196506
US0712/CA0712	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8495413	-116.867728	0.002	94.4	0.004	160.7	46.43673278
US0713/CA0713	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.84971833	-116.8671832	0.038	1647.4	0.115	4996.7	989.0761493
US0714/CA0714	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.84944752	-116.8665057	0.018	764.7	0.023	1011.6	201.8033891
US0715/CA0715	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.84934803	-116.8661385	0.022	940.1	0.026	1141.8	103.4707857
US0716/CA0716	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85069502	-116.8652606	0.044	1898.1	0.113	4920.4	235.4617141
US0717/CA0717	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85043004	-116.8642866	0.002	103.4	0.004	173.8	51.69792738
US0718/CA0718	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85070321	-116.8640459	0.003	111.6	0.004	187.7	55.92849063
US0719/CA0719	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85056072	-116.862103	0.012	522.4	0.015	658.2	159.2818232
US0720/CA0720	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8504959	-116.8618532	0.054	2358.4	0.130	5666.3	169.3137552
US0721/CA0721	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85055886	-116.8615139	0.024	1051.5	0.096	4189.6	160.3488563
US0722/CA0722	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85055163	-116.8590918	0.028	1221.3	0.038	1643.8	232.3570137
US0723/CA0723	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85040754	-116.8588824	0.004	167.7	0.006	280.3	84.85122643
US0724/CA0724	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85037668	-116.858759	0.006	282.2	0.011	473.7	141.8424266
US0725/CA0725	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85063668	-116.8587589	0.005	210.8	0.008	354.7	105.5332088
US0726/CA0726	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85003103	-116.8562228	0.034	1492.5	0.111	4851.5	762.2820999
US0727/CA0727	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85050883	-116.8557451	0.004	172.7	0.007	289.5	86.97859227
US0728/CA0728	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8540866	-116.8560809	0.051	2236.5	0.103	4481.2	540.0076968
US0729/CA0729	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.85857305	-116.8534827	0.106	4617.8	0.122	5330.0	94.63694334
US0730/CA0730	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87252069	-116.8805539	2.546	110886.5	3.213	139978.1	194.2852884
US0731/CA0731	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87504426	-116.8901014	0.008	355.2	0.010	450.2	105.7345209
US0732/CA0732	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87533837	-116.8902489	0.002	105.0	0.004	174.3	53.75436216
US0733/CA0733	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87691723	-116.890031	0.010	432.0	0.017	721.9	218.9146785
US0734/CA0734	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8779527	-116.889953	0.069	2999.7	0.084	3667.8	290.2943341
US0735/CA0735	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87850952	-116.889961	0.012	519.4	0.015	664.9	158.3392955
US0736/CA0736	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88146718	-116.8897518	0.196	8548.8	0.232	10106.3	284.9924715
US0737/CA0737	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88146586	-116.8900807	0.019	841.4	0.027	1183.7	91.28023844
US0738/CA0738	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88165975	-116.8900797	0.006	280.7	0.009	386.2	39.52236837
US0739/CA0739	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88193758	-116.8899185	0.068	2963.2	0.091	3981.7	367.8646651
US0740/CA0740	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8839112	-116.8896434	0.003	114.0	0.004	191.7	57.1828669
US0741/CA0741	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88407137	-116.8897876	0.011	465.9	0.014	625.4	141.0429156
US0742/CA0742	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88529812	-116.8897019	0.032	1391.3	0.049	2117.9	226.4963449
US0743/CA0743	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88625487	-116.889739	0.007	284.0	0.019	849.1	144.4769686
US0744/CA0744	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88660382	-116.8897092	0.010	435.1	0.014	590.9	136.072113
US0745/CA0745	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88754638	-116.8897319	0.066	2888.5	0.124	5411.5	253.1447691
US0746/CA0746	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88786088	-116.889573	0.025	1085.2	0.035	1524.2	123.950384
US0747/CA0747	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88836329	-116.8898461	0.099	4298.1	0.104	4551.2	140.1513596
US0748/CA0748	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88845031	-116.8895634	0.014	603.5	0.020	885.3	107.0860719
US0749/CA0749	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88875404	-116.8896801	0.036	1584.5	0.050	2174.5	254.5085375
US0750/CA0750	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.88958607	-116.8892704	0.104	4535.5	0.939	40881.5	1024.994365

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0751/CA0751	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89053401	-116.8900324	0.001	47.5	0.002	95.8	47.91245324
US0752/CA0752	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89064225	-116.8901138	0.001	48.8	0.002	98.4	49.22387826
US0753/CA0753	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89087593	-116.8900468	0.008	343.9	0.010	421.0	68.43180566
US0754/CA0754	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89135144	-116.8906723	0.002	106.4	0.004	179.1	53.32228424
US0755/CA0755	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89189632	-116.891085	0.004	172.7	0.005	231.6	43.35371394
US0756/CA0756	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89201457	-116.8912011	0.004	167.0	0.005	211.6	46.48370765
US0757/CA0757	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89228555	-116.8914022	0.003	115.3	0.004	193.8	57.85063187
US0758/CA0758	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89248255	-116.8915256	0.003	139.4	0.005	205.6	64.24931786
US0759/CA0759	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89266002	-116.8914206	0.004	193.1	0.006	256.7	57.84854951
US0760/CA0760	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8927393	-116.8917376	0.006	244.7	0.007	294.6	56.35980187
US0761/CA0761	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89329484	-116.8922268	0.009	380.6	0.011	464.3	86.06449512
US0762/CA0762	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89349825	-116.8923227	0.002	82.9	0.003	139.8	41.35517634
US0763/CA0763	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89406699	-116.8925165	0.092	4016.8	0.106	4628.7	225.6618396
US0764/CA0764	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89439314	-116.8930029	0.015	649.2	0.017	723.3	52.34840358
US0765/CA0765	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89479707	-116.8931866	0.043	1872.8	0.056	2439.5	268.8397165
US0766/CA0766	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89488829	-116.8934099	0.004	157.9	0.005	228.1	66.98420486
US0767/CA0767	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.8951164	-116.8932149	0.021	913.0	0.024	1066.9	152.1601392
US0768/CA0768	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89510966	-116.8935701	0.012	535.3	0.015	673.9	37.45207834
US0769/CA0769	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.89884512	-116.897582	0.004	178.5	0.005	233.6	53.12158256
US0770/CA0770	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91259967	-116.8998627	0.001	32.9	0.002	69.9	22.47362919
US0771/CA0771	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91305995	-116.900905	0.003	114.2	0.003	114.2	45.16521347
US0772/CA0772	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91947707	-116.9109161	0.115	5029.8	0.134	5827.5	739.8879064
US0773/CA0773	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92059482	-116.9123552	0.009	411.4	0.009	411.4	79.10509254
US0774/CA0774	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9222085	-116.9147898	0.029	1263.1	0.032	1412.4	65.56590387
US0775/CA0775	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92215129	-116.9151834	0.063	2757.9	0.077	3337.0	219.5758654
US0776/CA0776	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92765387	-116.9231026	0.132	5741.6	0.132	5741.6	158.5279036
US0777/CA0777	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92825922	-116.9245063	0.404	17576.9	0.404	17576.9	862.7308686
US0778/CA0778	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92919364	-116.9254968	0.003	126.4	0.003	126.5	75.81611999
US0779/CA0779	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93048211	-116.927734	0.023	1008.0	0.023	1008.0	511.2897773
US0780/CA0780	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93053532	-116.9274314	0.013	554.4	0.013	554.3	285.4870636
US0781/CA0781	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93100629	-116.9281724	0.078	3418.3	0.078	3418.2	220.5351835
US0782/CA0782	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93094127	-116.9285463	0.008	341.1	0.008	341.1	172.5400994
US0783/CA0783	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93134403	-116.929198	0.025	1097.1	0.089	3857.9	364.8450543
US0784/CA0784	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93196215	-116.9296229	0.025	1092.5	0.037	1622.0	128.1927656
US0785/CA0785	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93213546	-116.9298709	0.004	188.6	0.033	1424.6	94.98639383
US0786/CA0786	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93243844	-116.9308048	0.037	1618.0	0.157	6819.1	741.740244
US0787/CA0787	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93305883	-116.9318947	0.025	1078.5	0.025	1078.5	333.7610845
US0788/CA0788	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93399084	-116.9327589	0.010	447.9	0.010	447.9	226.1008356
US0789/CA0789	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93395609	-116.9327652	0.003	146.8	0.003	146.8	73.04440859
US0790/CA0790	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93450606	-116.9339714	0.473	20593.7	0.805	35070.9	2070.071259
US0791/CA0791	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93513529	-116.9344893	0.041	1771.5	0.041	1771.5	140.8352489
US0792/CA0792	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93617844	-116.9360555	0.057	2489.6	0.079	3428.2	374.2420416
US0793/CA0793	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93612184	-116.9365932	0.002	97.2	0.002	97.2	59.04623992
US0794/CA0794	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93682818	-116.9374574	0.794	34605.2	0.794	34605.2	771.8389735
US0795/CA0795	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93753478	-116.93818	0.080	3500.0	0.080	3500.9	277.12068
US0796/CA0796	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93901616	-116.9408361	1.165	50726.7	1.165	50726.7	2058.68326
US0797/CA0797	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93980865	-116.9415672	0.101	4393.2	0.148	6458.0	604.5549046
US0798/CA0798	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9404805	-116.9431077	0.227	9866.7	0.227	9866.7	813.1782805
US0799/CA0799	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94057113	-116.942716	0.014	611.2	0.014	611.2	154.2083278
US0800/CA0800	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94086304	-116.9434468	0.019	808.9	0.031	1333.3	133.8745925

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0801/CA0801	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94104039	-116.9435098	0.006	241.9	0.006	241.9	122.3413515
US0802/CA0802	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94172602	-116.9445284	0.200	8695.9	0.200	8695.9	621.0965923
US0803/CA0803	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94280988	-116.9466231	1.310	57048.2	1.310	57048.2	2392.965258
US0804/CA0804	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94321069	-116.9466903	0.017	736.9	0.017	736.9	39.11170373
US0805/CA0805	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94375771	-116.947612	0.280	12189.5	0.280	12189.5	310.8832536
US0806/CA0806	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94440887	-116.9485782	0.044	1908.9	0.044	1908.9	204.4418632
US0807/CA0807	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94484022	-116.9491895	0.032	1390.4	0.050	2171.9	107.4788302
US0808/CA0808	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94517743	-116.9502458	0.014	608.9	0.022	953.6	103.7593503
US0809/CA0809	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94559978	-116.9503296	0.013	550.6	0.020	878.2	112.0323999
US0810/CA0810	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9459694	-116.950954	0.019	822.3	0.029	1280.1	142.3912494
US0811/CA0811	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94613064	-116.9517145	0.422	18386.0	0.873	38049.1	912.8398553
US0812/CA0812	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94654748	-116.9518406	0.159	6922.1	0.159	6922.1	780.3662611
US0813/CA0813	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94728743	-116.9529348	0.150	6521.6	0.179	7791.0	410.4450412
US0814/CA0814	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94775837	-116.9536187	0.009	410.5	0.009	410.5	63.2733649
US0815/CA0815	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94858903	-116.9551554	0.254	11066.3	0.254	11066.2	1094.804184
US0816/CA0816	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95264309	-116.9611527	0.005	207.3	0.018	778.5	92.50469295
US0817/CA0817	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95301647	-116.9621655	0.019	818.1	0.019	818.1	128.3542476
US0818/CA0818	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95336564	-116.9626214	0.002	67.1	0.010	414.6	67.39722427
US0819/CA0819	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9534662	-116.9624127	0.008	327.4	0.023	1011.3	84.96605415
US0820/CA0820	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95346396	-116.9627771	0.012	522.6	0.051	2203.9	191.7471714
US0821/CA0821	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95368458	-116.963019	0.025	1085.8	0.096	4177.6	183.2085078
US0822/CA0822	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95386768	-116.9631582	0.024	1033.8	0.077	3363.5	223.5601786
US0823/CA0823	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95422427	-116.9640058	0.045	1958.7	0.387	16865.0	933.3740974
US0824/CA0824	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95469395	-116.9647341	0.025	1076.2	0.252	10993.2	636.8934358
US0825/CA0825	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95567619	-116.965705	0.002	88.1	0.009	371.3	38.39931303
US0826/CA0826	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95643512	-116.9668952	0.001	37.3	0.007	288.4	37.49067909
US0827/CA0827	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95675495	-116.9676574	0.017	744.8	0.135	5880.7	342.1760002
US0828/CA0828	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95682539	-116.9679725	0.003	128.4	0.014	603.2	97.46889612
US0829/CA0829	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9568781	-116.9680044	0.008	369.4	0.046	1995.6	136.8159859
US0830/CA0830	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95699098	-116.9678176	0.001	60.6	0.007	311.5	45.69293557
US0831/CA0831	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95773584	-116.9688872	0.061	2650.0	0.142	6205.1	472.2475601
US0832/CA0832	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95817195	-116.9695713	0.005	212.3	0.017	726.9	86.88042871
US0833/CA0833	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Chaparral	34.95848085	-116.970292	0.009	390.5	0.050	2181.3	172.5005982
US0834/CA0834	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95910966	-116.9713007	0.010	452.4	0.058	2523.7	212.0390832
US0835/CA0835	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95926204	-116.9714958	0.016	707.3	0.053	2303.6	264.7892923
US0836/CA0836	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95956466	-116.9716743	0.010	456.8	0.041	1778.2	122.1852173
US0837/CA0837	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.95963594	-116.9722841	0.008	330.4	0.019	822.1	114.5206108
US0838/CA0838	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9606738	-116.9736684	0.022	937.6	0.065	2851.9	266.1910492
US0839/CA0839	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96112688	-116.9744748	0.106	4601.6	0.239	10421.9	537.3715437
US0840/CA0840	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96145131	-116.9745127	0.013	585.3	0.046	1982.9	162.1069944
US0841/CA0841	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96213093	-116.9759857	0.041	1785.0	0.160	6968.3	505.0319948
US0842/CA0842	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96335453	-116.9775377	0.177	7720.5	0.376	16361.4	1034.68096
US0843/CA0843	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96384502	-116.9786315	0.031	1330.3	0.092	3996.4	440.7278337
US0844/CA0844	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96426707	-116.9793684	0.024	1051.9	0.101	4421.1	257.1673822
US0845/CA0845	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96530175	-116.9810815	0.021	903.6	0.090	3911.9	314.445563
US0846/CA0846	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96546584	-116.9806896	0.002	75.0	0.011	482.1	75.79439667
US0847/CA0847	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9658839	-116.9813438	0.001	62.3	0.007	319.0	62.94620967
US0848/CA0848	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96633842	-116.9820289	0.001	57.0	0.007	292.5	57.60664801
US0849/CA0849	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96653128	-116.9822602	0.001	34.5	0.005	229.7	34.65719692
US0850/CA0850	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96675975	-116.9826562	0.002	66.1	0.003	132.9	66.80534616

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0851/CA0851	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96717374	-116.9834023	0.002	73.4	0.004	183.9	36.52371595
US0852/CA0852	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96734626	-116.9842169	0.017	724.0	0.037	1609.5	178.0066046
US0853/CA0853	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96746619	-116.9844874	0.010	440.3	0.038	1655.3	226.6816156
US0854/CA0854	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96801336	-116.9852528	0.001	62.5	0.009	408.5	63.10246982
US0855/CA0855	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96788467	-116.9855821	0.006	246.1	0.018	799.7	125.2254124
US0856/CA0856	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96834169	-116.9866521	0.028	1220.6	0.094	4088.7	370.8910991
US0857/CA0857	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96971442	-116.9895333	0.005	199.1	0.020	892.1	100.3634733
US0858/CA0858	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97018209	-116.9903308	0.006	272.1	0.088	3815.9	279.7309502
US0859/CA0859	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9705989	-116.9913758	0.019	844.1	0.160	6976.4	431.438951
US0860/CA0860	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9708027	-116.9917801	0.030	1325.2	0.115	5013.1	416.859965
US0861/CA0861	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97089246	-116.9921249	0.003	110.5	0.013	551.3	111.927934
US0862/CA0862	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97112147	-116.9923794	0.084	3662.9	0.340	14828.1	749.1373399
US0863/CA0863	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97115295	-116.9927835	0.003	125.2	0.033	1451.4	128.409977
US0864/CA0864	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97175549	-116.9939617	0.021	895.6	0.421	18331.8	589.9132911
US0865/CA0865	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97188603	-116.9937558	0.003	114.7	0.017	753.9	58.44428254
US0866/CA0866	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9720455	-116.9945035	0.014	629.2	0.104	4538.3	321.2751699
US0867/CA0867	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97223035	-116.9949936	0.025	1078.7	0.320	13922.0	549.5602985
US0868/CA0868	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97250878	-116.9956013	0.026	1134.7	0.245	10690.8	579.731436
US0869/CA0869	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97281777	-116.9960993	0.004	159.4	0.023	1009.6	162.0094244
US0870/CA0870	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97284772	-116.9963934	0.004	183.3	0.041	1777.7	92.34826508
US0871/CA0871	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97313023	-116.9967676	0.008	350.5	0.017	736.0	178.0701626
US0872/CA0872	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97393479	-116.9985966	0.007	312.1	0.044	1899.1	317.6003482
US0873/CA0873	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97517059	-117.0008804	0.068	2961.6	0.094	4090.2	135.7603451
US0874/CA0874	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97559726	-117.0021625	0.075	3260.3	0.121	5266.9	364.301607
US0875/CA0875	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97605748	-117.0033934	0.036	1580.1	0.047	2051.2	218.1097884
US0876/CA0876	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97807016	-117.0393372	0.003	144.9	0.041	1797.1	146.6872477
US0877/CA0877	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97781267	-117.0395967	0.002	88.8	0.004	179.2	89.49037479
US0878/CA0878	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97792925	-117.0398979	0.004	162.7	0.012	541.9	165.4064853
US0879/CA0879	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97797991	-117.0401679	0.006	257.5	0.037	1617.9	262.4752317
US0880/CA0880	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97780816	-117.0404901	0.001	61.2	0.003	123.1	61.79105656
US0881/CA0881	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97799089	-117.041163	0.022	936.7	0.051	2201.6	574.7287171
US0882/CA0882	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97795787	-117.0420933	0.011	469.3	0.023	997.7	240.6529035
US0883/CA0883	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97797945	-117.0428272	0.016	691.8	0.040	1722.1	352.3667742
US0884/CA0884	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97798509	-117.0436421	0.024	1054.3	0.051	2201.7	537.9450436
US0885/CA0885	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97780943	-117.044247	0.001	41.1	0.002	83.6	41.07584302
US0886/CA0886	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97790481	-117.0445167	0.007	313.5	0.007	313.5	158.4566635
US0887/CA0887	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97799143	-117.0449796	0.015	658.2	0.025	1098.1	334.0353683
US0888/CA0888	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97788723	-117.0454945	0.001	55.8	0.003	112.4	56.3567032
US0889/CA0889	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97805512	-117.0459404	0.014	612.4	0.023	1018.7	311.8339356
US0890/CA0890	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97803485	-117.0470306	0.012	528.4	0.020	882.1	267.7914154
US0891/CA0891	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97804323	-117.0496818	0.022	944.8	0.028	1208.8	288.4649326
US0892/CA0892	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97815308	-117.0564013	0.011	461.1	0.018	768.4	234.2940551
US0893/CA0893	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98744985	-117.0918275	0.277	12052.3	0.321	13967.6	175.3962437
US0894/CA0894	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98823144	-117.0923357	0.007	325.1	0.012	509.8	53.49477704
US0895/CA0895	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98830822	-117.0924313	0.005	218.6	0.007	285.9	65.367318
US0896/CA0896	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98846719	-117.0927067	0.335	14605.3	0.428	18639.5	324.7412853
US0897/CA0897	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98923163	-117.093453	0.061	2645.8	0.146	6381.0	340.6710964
US0898/CA0898	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98990606	-117.0940016	0.011	479.6	0.023	1001.6	244.8662074
US0899/CA0899	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99230891	-117.0962543	0.008	366.2	0.059	2558.5	185.3483448
US0900/CA0900	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99439339	-117.0987873	0.647	28163.1	0.752	32772.8	286.315232

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0901/CA0901	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99448962	-117.110537	0.003	145.5	0.021	914.9	72.45124576
US0902/CA0902	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99492049	-117.1931931	0.008	344.6	0.754	32863.7	175.185385
US0903/CA0903	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99574963	-117.3253619	0.044	1935.9	0.060	2622.6	162.4134178
US0904/CA0904	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99605782	-117.3668788	0.142	6168.9	0.164	7131.0	184.5728766
US0905/CA0905	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99626903	-117.3831953	0.198	8633.5	0.243	10589.0	282.7651875
US0906/CA0906	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99630113	-117.3852727	0.109	4732.0	0.128	5566.9	345.4080113
US0907/CA0907	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99640655	-117.3948616	0.717	31237.3	1.736	75615.0	697.6262026
US0908/CA0908	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99644899	-117.4014174	0.058	2544.9	0.058	2544.9	268.561353
US0909/CA0909	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99638396	-117.403357	0.020	854.8	0.020	854.8	116.6042607
US0910/CA0910	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99666184	-117.4277492	0.010	422.4	0.010	422.4	160.611178
US0911/CA0911	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99661631	-117.4280394	0.005	239.2	0.005	239.2	134.293987
US0912/CA0912	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99676291	-117.4287215	0.011	481.8	0.011	481.8	171.6675269
US0913/CA0913	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99677087	-117.4297198	0.029	1279.0	0.029	1279.0	285.0213986
US0914/CA0914	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99692939	-117.4336281	0.004	183.0	0.006	243.2	79.78275063
US0915/CA0915	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9967385	-117.4342312	0.013	572.2	0.013	572.2	132.0140546
US0916/CA0916	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99703325	-117.4408521	0.010	457.1	0.029	1257.2	91.1110209
US0917/CA0917	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99686644	-117.4480561	0.022	936.9	0.022	936.9	221.9723661
US0918/CA0918	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9971318	-117.4486273	0.003	135.6	0.003	135.6	61.77702788
US0919/CA0919	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99696494	-117.4492382	0.020	876.1	0.020	876.0	268.9568067
US0920/CA0920	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99686571	-117.4501511	0.008	366.4	0.008	366.4	103.7948948
US0921/CA0921	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99698795	-117.4505377	0.012	518.1	0.012	518.1	149.6710216
US0922/CA0922	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9968986	-117.4511122	0.007	305.0	0.007	305.0	118.5635789
US0923/CA0923	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99689828	-117.451725	0.005	211.9	0.005	211.9	118.4398777
US0924/CA0924	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99702674	-117.4521188	0.027	1195.6	0.027	1195.5	249.7100725
US0925/CA0925	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99702552	-117.4538455	0.008	331.1	0.008	331.1	157.6472057
US0926/CA0926	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99701915	-117.4541618	0.009	391.2	0.009	391.3	182.4317008
US0927/CA0927	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99709043	-117.4544035	0.014	590.5	0.014	590.5	217.1023213
US0928/CA0928	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9971811	-117.4548818	0.005	221.4	0.005	221.4	49.12089257
US0929/CA0929	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9970036	-117.4549568	0.013	583.9	0.013	583.9	128.6663882
US0930/CA0930	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99718844	-117.4553955	0.002	81.1	0.002	81.1	44.00531393
US0931/CA0931	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99697844	-117.45642	0.005	213.6	0.005	213.6	111.8480532
US0932/CA0932	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99721975	-117.4565437	0.004	164.9	0.004	164.9	43.26722198
US0933/CA0933	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99721394	-117.4566656	0.005	238.1	0.005	238.1	51.25466955
US0934/CA0934	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99705966	-117.456995	0.021	921.7	0.021	921.7	229.6171996
US0935/CA0935	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99707446	-117.4574383	0.016	706.2	0.016	706.2	165.983885
US0936/CA0936	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99707053	-117.4578839	0.010	422.6	0.010	422.6	176.476292
US0937/CA0937	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99714254	-117.45897	0.011	475.6	0.015	668.1	244.072253
US0938/CA0938	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99702711	-117.4594765	0.005	203.5	0.008	340.9	102.6379834
US0939/CA0939	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99717892	-117.4598704	0.005	231.8	0.005	231.8	117.0201739
US0940/CA0940	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99711826	-117.4602437	0.009	381.8	0.009	381.8	194.0229268
US0941/CA0941	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99725718	-117.4603738	0.003	113.6	0.003	113.6	56.96279932
US0942/CA0942	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99706347	-117.4606309	0.017	746.2	0.022	968.7	227.7213438
US0943/CA0943	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99725911	-117.4606342	0.001	48.6	0.001	48.6	48.98389342
US0944/CA0944	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99726748	-117.4608958	0.003	143.4	0.003	143.4	42.4288495
US0945/CA0945	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99730652	-117.4615938	0.006	276.4	0.011	462.6	139.281013
US0946/CA0946	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99729466	-117.4617584	0.001	59.2	0.001	59.2	59.74052406
US0947/CA0947	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99706394	-117.4619746	0.008	348.1	0.012	525.2	104.8418854
US0948/CA0948	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99728442	-117.4620948	0.001	49.2	0.001	49.2	49.60238639
US0949/CA0949	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99708047	-117.4680934	0.001	45.9	0.002	92.7	46.30293824
US0950/CA0950	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99720904	-117.4682589	0.008	327.0	0.011	496.7	199.5276578

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US0951/CA0951	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99731466	-117.4872839	0.018	803.2	0.023	1013.1	243.8091539
US0952/CA0952	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99747251	-117.495924	0.011	458.9	0.017	760.8	233.8553354
US0953/CA0953	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99737717	-117.4962431	0.002	70.7	0.003	118.7	71.94936043
US0954/CA0954	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99755252	-117.4981745	0.254	11055.7	0.406	17684.5	410.0035498
US0955/CA0955	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99769542	-117.5096109	0.372	16210.1	0.372	16210.1	165.7372379
US0956/CA0956	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99764897	-117.5232949	0.127	5524.8	0.206	8971.4	215.5434968
US0957/CA0957	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.87963724	-116.8567799	3.580	155924.2	6.218	270858.1	153.9417705
US0958/CA0958	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90283306	-116.7926815	0.405	17633.1	0.476	20717.5	156.6981127
US0959/CA0959	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.90903427	-116.766777	0.006	261.9	0.012	503.5	118.8325206
US0960/CA0960	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91166084	-116.754467	0.017	728.6	0.027	1165.4	220.0989398
US0961/CA0961	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91192514	-116.7539912	0.018	772.9	0.047	2050.3	157.5025774
US0962/CA0962	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91218061	-116.7536822	0.003	144.0	0.009	405.7	73.2073783
US0963/CA0963	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91207946	-116.7533941	0.005	196.6	0.010	417.7	199.7927229
US0964/CA0964	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91578922	-116.7381008	0.003	114.5	0.006	270.6	57.66300139
US0965/CA0965	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91574845	-116.7375376	0.093	4070.8	0.093	4070.8	380.5281344
US0966/CA0966	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91593389	-116.7367901	0.008	351.3	0.060	2617.9	356.5205814
US0967/CA0967	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91596189	-116.7363443	0.009	399.4	0.018	762.6	123.5828061
US0968/CA0968	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91597516	-116.7360701	0.002	72.6	0.004	177.9	50.86782377
US0969/CA0969	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91662959	-116.7341779	0.113	4913.1	0.134	5844.5	450.9884395
US0970/CA0970	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91695889	-116.7333123	0.002	95.9	0.007	290.0	48.35884958
US0971/CA0971	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.91699631	-116.7330927	0.007	305.4	0.015	663.1	91.81908965
US0972/CA0972	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.92462502	-116.6996725	0.118	5155.5	0.132	5758.9	604.5759626
US0973/CA0973	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93013302	-116.6763062	0.010	453.9	0.031	1370.3	233.387551
US0974/CA0974	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9303757	-116.6758122	0.012	536.5	0.020	861.9	127.9603241
US0975/CA0975	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93138502	-116.6709417	0.006	245.3	0.014	595.0	174.8601669
US0976/CA0976	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93153048	-116.6704185	0.020	854.1	0.049	2121.7	208.848545
US0977/CA0977	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93224164	-116.6671895	0.016	717.8	0.016	717.8	211.1261852
US0978/CA0978	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9324769	-116.6660588	0.009	391.5	0.029	1283.0	199.7801337
US0979/CA0979	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93275961	-116.6654116	0.023	1001.5	0.163	7088.6	164.2929873
US0980/CA0980	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93305719	-116.6650477	0.002	81.9	0.006	279.0	82.81916128
US0981/CA0981	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9330412	-116.6648778	0.008	363.4	0.016	684.4	160.495218
US0982/CA0982	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93320248	-116.664647	0.008	330.3	0.018	778.6	201.7949589
US0983/CA0983	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9334208	-116.6642329	0.033	1455.1	0.040	1727.8	356.8860884
US0984/CA0984	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93387093	-116.6632617	0.016	715.1	0.060	2619.6	435.340596
US0985/CA0985	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93415855	-116.6624313	0.014	610.4	0.014	610.4	70.47460534
US0986/CA0986	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93438814	-116.6620919	0.020	890.8	0.020	890.8	131.7752904
US0987/CA0987	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93450382	-116.6619451	0.030	1286.8	0.092	3998.5	320.6036901
US0988/CA0988	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93461447	-116.661736	0.023	983.6	0.190	8294.7	514.5318565
US0989/CA0989	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93486918	-116.6614372	0.030	1291.9	0.123	5347.6	396.9221079
US0990/CA0990	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93507314	-116.6608717	0.003	125.9	0.016	684.4	135.4034869
US0991/CA0991	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93545014	-116.6605088	0.028	1207.7	0.037	1593.9	384.1881733
US0992/CA0992	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93534169	-116.6600974	0.032	1398.3	0.071	3081.4	306.6526822
US0993/CA0993	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93562724	-116.6599245	0.129	5609.9	0.135	5867.4	237.4183719
US0994/CA0994	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93585017	-116.6594929	0.183	7957.1	0.188	8199.0	259.062532
US0995/CA0995	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93604647	-116.6593896	0.003	110.7	0.007	321.0	103.6583996
US0996/CA0996	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93613831	-116.6592451	0.020	877.9	0.023	1004.7	117.6281381
US0997/CA0997	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93656737	-116.6580583	0.134	5820.7	0.253	11012.8	693.1917357
US0998/CA0998	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93693992	-116.6575166	0.015	651.5	0.018	787.9	143.6283251
US0999/CA0999	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93706672	-116.6571071	0.064	2799.1	0.074	3226.5	431.4295453
US1000/CA1000	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93734357	-116.6567859	0.037	1602.4	0.041	1792.3	178.2674303

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US1001/CA1001	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93762558	-116.6561271	0.051	2218.5	0.059	2584.6	380.9318681
US1002/CA1002	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93778994	-116.655694	0.030	1290.7	0.035	1518.8	236.3318494
US1003/CA1003	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93892132	-116.6537829	0.020	857.8	0.025	1087.5	222.1294455
US1004/CA1004	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93912015	-116.6533821	0.008	357.7	0.010	442.5	81.22808764
US1005/CA1005	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.93928276	-116.6528191	0.031	1328.7	0.035	1504.5	171.9694169
US1006/CA1006	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.94150268	-116.6483851	0.016	704.6	0.019	837.6	119.8507677
US1007/CA1007	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.96649087	-116.6002552	0.052	2265.3	0.080	3487.2	204.4175526
US1008/CA1008	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.97757574	-116.5790217	0.017	753.9	0.021	926.7	174.7852561
US1009/CA1009	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9807597	-116.5727522	0.053	2317.2	0.131	5691.7	335.3587221
US1010/CA1010	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98547721	-116.5640975	0.007	320.1	0.007	320.1	109.5521207
US1011/CA1011	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98568326	-116.5636344	0.016	714.8	0.018	794.8	70.07832282
US1012/CA1012	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98574499	-116.5632524	0.006	282.5	0.008	358.2	69.04315443
US1013/CA1013	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98567112	-116.5630416	0.018	763.9	0.021	918.2	139.7291143
US1014/CA1014	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98639818	-116.5616435	0.080	3472.0	0.209	9083.9	458.7328187
US1015/CA1015	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98676238	-116.5609453	0.021	922.1	0.029	1278.6	174.6680423
US1016/CA1016	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98684466	-116.5606891	0.001	29.2	0.001	60.0	27.43053095
US1017/CA1017	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98711897	-116.5606169	0.252	10982.5	0.519	22601.4	452.7364198
US1018/CA1018	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98803905	-116.5591191	0.009	384.6	0.011	473.6	124.0529095
US1019/CA1019	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98798328	-116.5589791	0.007	307.9	0.011	458.1	160.0703354
US1020/CA1020	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98827401	-116.5579772	0.006	267.1	0.012	521.3	166.8449649
US1021/CA1021	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98919862	-116.5563773	0.570	24818.2	1.366	59521.4	2494.801576
US1022/CA1022	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98869155	-116.5558141	0.020	857.8	0.065	2840.9	118.4367822
US1023/CA1023	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98955476	-116.5553567	0.009	373.5	0.010	434.9	117.7990088
US1024/CA1024	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.98993467	-116.5555368	0.010	455.7	0.013	555.5	72.44045645
US1025/CA1025	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99023933	-116.5551009	0.027	1155.4	0.049	2124.6	406.5330497
US1026/CA1026	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99013895	-116.5544839	0.006	275.9	0.008	356.4	68.1463369
US1027/CA1027	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99029392	-116.5542543	0.007	307.9	0.008	334.2	50.57084504
US1028/CA1028	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99157772	-116.5544506	0.002	78.3	0.002	78.3	79.22583396
US1029/CA1029	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9917096	-116.5542156	0.058	2547.5	0.058	2547.5	229.9454877
US1030/CA1030	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99178011	-116.5539961	0.004	164.1	0.004	164.1	101.4419626
US1031/CA1031	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99433597	-116.5526018	0.958	41711.4	2.134	92967.4	2311.258257
US1032/CA1032	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99710889	-116.5509551	0.022	977.0	0.026	1130.2	140.7202994
US1033/CA1033	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99728462	-116.5508895	0.026	1148.7	0.030	1309.8	159.2699396
US1034/CA1034	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99831135	-116.5503277	0.369	16086.9	1.045	45522.9	906.6712554
US1035/CA1035	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.9988869	-116.5498322	0.013	544.8	0.016	685.0	139.0502114
US1036/CA1036	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	34.99919084	-116.5498987	0.001	43.2	0.002	85.3	40.91381241
US1037/CA1037	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.00165926	-116.5483329	1.744	75976.1	2.096	91299.1	1063.323542
US1038/CA1038	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.00338539	-116.547459	0.129	5627.9	0.154	6687.1	324.7356398
US1039/CA1039	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.00417889	-116.5469216	0.084	3679.6	0.099	4316.3	324.1431593
US1040/CA1040	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.00476883	-116.5465743	0.330	14365.9	0.379	16510.9	449.0788472
US1041/CA1041	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.00614299	-116.5468108	0.011	492.9	0.015	653.9	160.9701098
US1042/CA1042	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.00694528	-116.5447118	0.004	153.9	0.005	230.7	75.58979576
US1043/CA1043	Riparian	Ephemeral	Other Waters	1602	Scrub-Shrub	35.00754955	-116.5433776	0.017	754.7	0.020	863.4	100.7146512
US1044/CA1044	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.00989016	-116.536836	0.454	19763.6	0.881	38363.8	745.4044434
US1045/CA1045	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.01130387	-116.5332162	0.016	679.9	0.020	876.6	95.25145027
US1046/CA1046	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.01345797	-116.5269878	0.080	3465.3	0.347	15120.1	838.6693718
US1047/CA1047	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0162375	-116.5188962	0.008	330.1	0.010	429.4	42.66423373
US1048/CA1048	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.01751932	-116.5155803	0.005	229.1	0.026	1136.3	109.8827373
US1049/CA1049	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.01805554	-116.5137243	0.257	11210.8	0.686	29866.2	882.4483024
US1050/CA1050	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.01853422	-116.5125165	0.002	91.5	0.006	250.4	41.73871424

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US1051/CA1051	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.01917222	-116.5107158	0.013	568.8	0.022	940.5	118.4779796
US1052/CA1052	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.01941117	-116.5100972	0.004	171.2	0.016	708.4	78.33725578
US1053/CA1053	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02009571	-116.5084656	0.013	585.1	0.088	3839.2	332.427872
US1054/CA1054	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0206627	-116.5066172	0.001	48.5	0.012	535.1	49.47972593
US1055/CA1055	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02116084	-116.505513	0.039	1692.6	0.100	4369.2	480.7858679
US1056/CA1056	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02096486	-116.5057499	0.001	61.9	0.011	465.7	63.96551082
US1057/CA1057	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02150596	-116.5044674	0.013	567.5	0.066	2876.1	224.058984
US1058/CA1058	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02182152	-116.5037609	0.007	302.0	0.014	611.3	151.6887801
US1059/CA1059	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02211908	-116.502931	0.014	591.5	0.031	1345.5	189.6018129
US1060/CA1060	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02211962	-116.5024858	0.003	120.4	0.009	397.4	35.52560574
US1061/CA1061	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0226817	-116.501112	0.009	404.4	0.018	795.2	96.66006699
US1062/CA1062	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02283069	-116.5007013	0.005	235.5	0.010	432.6	102.0074403
US1063/CA1063	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02301903	-116.5001434	0.011	479.0	0.029	1252.0	134.6226971
US1064/CA1064	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02328078	-116.4994516	0.020	887.9	0.065	2818.6	341.9948851
US1065/CA1065	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02352859	-116.4988071	0.006	283.0	0.019	807.1	94.42386029
US1066/CA1066	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02360243	-116.498526	0.009	407.1	0.030	1294.9	183.1456097
US1067/CA1067	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02374028	-116.4979433	0.004	167.2	0.010	434.1	55.14308392
US1068/CA1068	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02399143	-116.4976328	0.023	1018.8	0.044	1916.6	243.940897
US1069/CA1069	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02414035	-116.4971384	0.011	475.5	0.022	938.3	121.5997773
US1070/CA1070	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02432462	-116.4965171	0.020	865.7	0.035	1545.3	158.8200696
US1071/CA1071	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02458816	-116.4957114	0.002	98.4	0.011	483.4	48.98574532
US1072/CA1072	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02484039	-116.4949326	0.004	168.9	0.008	356.1	54.21047389
US1073/CA1073	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02511855	-116.4944996	0.013	553.7	0.045	1964.4	120.0234101
US1074/CA1074	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02523225	-116.4938049	0.247	10779.9	0.478	20828.0	600.1923701
US1075/CA1075	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02546228	-116.4933458	0.009	405.2	0.016	715.9	98.54924541
US1076/CA1076	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0258943	-116.4921499	0.017	734.8	0.022	957.6	106.5536358
US1077/CA1077	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02613434	-116.4915687	0.019	846.8	0.035	1538.1	176.6213714
US1078/CA1078	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02754884	-116.4876792	0.071	3074.7	0.223	9721.2	683.6337855
US1079/CA1079	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02763902	-116.4868732	0.004	192.2	0.009	381.2	93.40463187
US1080/CA1080	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02825471	-116.4854332	0.002	83.3	0.005	208.0	54.94925859
US1081/CA1081	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02868373	-116.48419	0.003	146.2	0.006	276.9	60.66977058
US1082/CA1082	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02890609	-116.4835117	0.004	172.3	0.006	248.6	58.42064899
US1083/CA1083	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.02936605	-116.4823681	0.005	225.0	0.040	1745.2	229.3558989
US1084/CA1084	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03034331	-116.4797395	0.013	575.1	0.065	2844.2	334.1836648
US1085/CA1085	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03057366	-116.4791596	0.017	752.4	0.034	1468.3	147.3877033
US1086/CA1086	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03075457	-116.478724	0.020	877.2	0.031	1365.4	115.0747474
US1087/CA1087	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03082889	-116.4782688	0.004	167.0	0.007	310.1	41.64348451
US1088/CA1088	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03101896	-116.4779949	0.017	718.9	0.032	1405.6	125.4635155
US1089/CA1089	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03115794	-116.4772368	0.006	276.2	0.016	718.0	112.892913
US1090/CA1090	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03134081	-116.4770646	0.007	317.2	0.019	847.7	99.79789043
US1091/CA1091	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03147074	-116.4766876	0.013	545.2	0.025	1073.8	163.2237779
US1092/CA1092	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03171912	-116.4753223	0.006	249.5	0.029	1260.0	88.83731806
US1093/CA1093	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03419239	-116.4662613	0.018	796.4	0.023	1005.3	97.94682005
US1094/CA1094	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03489605	-116.4652909	0.535	23316.1	1.088	47392.0	405.4409947
US1095/CA1095	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03641354	-116.4629734	0.008	327.7	0.011	470.2	146.4208298
US1096/CA1096	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03645679	-116.4625157	0.025	1096.6	0.031	1362.7	134.0409043
US1097/CA1097	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03673056	-116.4624885	0.011	474.6	0.014	600.4	65.43597033
US1098/CA1098	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03657428	-116.4623601	0.023	1003.8	0.028	1231.7	102.1232717
US1099/CA1099	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03727571	-116.4610676	0.019	836.9	0.023	1013.1	203.5728205
US1100/CA1100	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.03997046	-116.4569789	0.002	81.9	0.003	122.8	39.95111965

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US1101/CA1101	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04016569	-116.4562543	0.020	867.6	0.020	867.6	286.6504583
US1102/CA1102	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04040624	-116.4558693	0.105	4559.2	0.128	5563.7	374.0737711
US1103/CA1103	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04083039	-116.4552465	0.062	2719.3	0.076	3322.1	189.5917104
US1104/CA1104	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04118035	-116.4546368	0.038	1659.7	0.049	2120.9	236.1780883
US1105/CA1105	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04138984	-116.454012	0.011	479.4	0.013	552.3	65.80600392
US1106/CA1106	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04249174	-116.4523598	0.045	1981.8	0.054	2371.7	187.2125005
US1107/CA1107	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04298338	-116.4512727	0.019	828.0	0.024	1062.2	65.54600591
US1108/CA1108	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04326326	-116.4511079	0.029	1254.2	0.039	1720.3	152.3425683
US1109/CA1109	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04342092	-116.4508402	0.113	4912.5	0.194	8462.6	377.9719491
US1110/CA1110	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04348483	-116.4505147	0.010	453.3	0.016	679.1	109.6689806
US1111/CA1111	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04368064	-116.4502934	0.040	1722.9	0.051	2215.5	162.0931039
US1112/CA1112	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04385957	-116.4500733	0.097	4203.9	0.131	5716.3	261.6647511
US1113/CA1113	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04443591	-116.4489815	0.020	869.6	0.024	1033.4	160.522273
US1114/CA1114	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04453944	-116.4486869	0.009	382.9	0.011	458.4	74.62568734
US1115/CA1115	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04470728	-116.4485737	0.015	673.2	0.043	1859.3	163.4825501
US1116/CA1116	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04500546	-116.4479031	0.011	483.5	0.013	583.4	96.02504068
US1117/CA1117	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04560359	-116.4471181	0.118	5146.3	0.131	5712.3	175.801063
US1118/CA1118	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04571798	-116.4468446	0.068	2952.0	0.079	3441.2	160.4155508
US1119/CA1119	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04646431	-116.4456594	0.009	394.3	0.013	584.5	216.2135154
US1120/CA1120	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04713265	-116.4444146	0.051	2232.3	0.071	3106.1	273.1975686
US1121/CA1121	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04787899	-116.4432884	0.981	42715.6	0.981	42715.6	508.3020125
US1122/CA1122	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04832166	-116.4424448	0.044	1929.5	0.063	2747.7	274.4189145
US1123/CA1123	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04846879	-116.4421941	0.078	3391.0	0.135	5897.6	539.9917988
US1124/CA1124	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04880147	-116.4415999	0.058	2534.2	0.140	6112.1	397.7088558
US1125/CA1125	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.04941538	-116.4405837	0.050	2179.9	0.071	3086.5	167.8063074
US1126/CA1126	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05025776	-116.4392262	0.251	10947.2	0.530	23108.1	776.3765551
US1127/CA1127	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05051473	-116.4386593	0.034	1498.8	0.044	1934.3	180.8497754
US1128/CA1128	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05068108	-116.4379808	0.085	3687.5	0.204	8896.8	589.8391269
US1129/CA1129	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05092052	-116.4375253	0.101	4394.1	0.200	8724.8	574.2442989
US1130/CA1130	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05081858	-116.4364304	0.097	4208.0	0.131	5684.9	487.4793691
US1131/CA1131	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05092129	-116.4356844	0.043	1879.0	0.051	2212.2	152.8189475
US1132/CA1132	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05097947	-116.4352732	0.007	294.2	0.010	437.8	141.6807255
US1133/CA1133	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05099433	-116.4349691	0.009	392.9	0.026	1137.2	169.0148361
US1134/CA1134	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05112169	-116.434499	0.018	767.9	0.031	1349.4	186.522521
US1135/CA1135	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0511195	-116.4342428	0.017	718.9	0.020	884.5	178.6989983
US1136/CA1136	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05118058	-116.4338001	0.014	622.2	0.018	781.2	183.0756828
US1137/CA1137	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05130733	-116.4330451	0.035	1502.9	0.045	1952.1	244.5890781
US1138/CA1138	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05136798	-116.4323377	0.035	1537.5	0.043	1860.2	343.4658042
US1139/CA1139	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05146897	-116.4318752	0.019	849.0	0.024	1063.4	176.696352
US1140/CA1140	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05162216	-116.4315501	0.028	1233.4	0.087	3783.1	298.115409
US1141/CA1141	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05156329	-116.4313628	0.078	3398.3	0.101	4392.5	293.3796139
US1142/CA1142	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05165174	-116.4309478	0.080	3500.3	0.123	5356.6	396.6987649
US1143/CA1143	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05173007	-116.4305243	0.007	325.1	0.007	325.1	157.5160327
US1144/CA1144	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05200277	-116.4290062	0.106	4597.8	0.115	5025.9	206.0081042
US1145/CA1145	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0521347	-116.4278796	0.126	5501.8	0.136	5928.5	204.1128007
US1146/CA1146	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0523744	-116.4267069	0.114	4979.6	0.155	6738.4	465.169996
US1147/CA1147	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05259344	-116.424907	0.062	2713.7	0.346	15077.3	158.4993406
US1148/CA1148	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05275812	-116.4237416	0.023	1009.8	0.028	1226.3	192.8111466
US1149/CA1149	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05313654	-116.4213158	0.398	17328.7	0.603	26284.8	683.5544926
US1150/CA1150	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0533794	-116.4197804	0.006	272.9	0.012	528.9	258.6765674

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US1151/CA1151	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05321159	-116.4197623	0.001	56.5	0.002	108.4	53.17587865
US1152/CA1152	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05327997	-116.4194388	0.008	345.3	0.010	449.7	108.3932597
US1153/CA1153	Streambed - Unvegetated	Intermittent	Other Waters	1602	Scrub-Shrub	35.0535003	-116.419111	0.009	381.8	0.013	568.9	185.7170285
US1154/CA1154	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05389621	-116.4165181	0.644	28046.1	0.665	28973.5	586.7280558
US1155/CA1155	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0540985	-116.4153651	0.068	2964.2	0.172	7498.9	682.8733422
US1156/CA1156	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05458253	-116.4111382	0.018	797.5	0.021	895.6	84.77796189
US1157/CA1157	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05496669	-116.4096756	0.239	10389.8	0.302	13172.7	449.5708841
US1158/CA1158	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05515901	-116.4086889	0.095	4123.0	0.103	4468.2	357.1523349
US1159/CA1159	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05491401	-116.4088228	0.006	270.2	0.009	388.7	56.88051347
US1160/CA1160	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05536113	-116.4071981	0.034	1496.5	0.058	2507.7	377.2289822
US1161/CA1161	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05538303	-116.4065336	0.016	698.7	0.034	1459.8	273.9327594
US1162/CA1162	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05549409	-116.4060365	0.054	2337.5	0.082	3570.0	489.2251494
US1163/CA1163	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05564134	-116.4053464	0.142	6170.8	0.211	9201.0	844.3042754
US1164/CA1164	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05568505	-116.4043287	0.042	1827.7	0.072	3134.4	244.6688761
US1165/CA1165	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05589077	-116.4036985	0.219	9559.3	0.528	22985.1	1349.826463
US1166/CA1166	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05595312	-116.4026831	0.019	820.4	0.044	1897.3	125.8719947
US1167/CA1167	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05617748	-116.4021074	0.020	864.4	0.058	2521.5	225.3926509
US1168/CA1168	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0561954	-116.4016196	0.089	3879.4	0.161	7002.4	378.3149856
US1169/CA1169	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05641609	-116.4006215	0.119	5186.8	0.131	5727.8	527.4710924
US1170/CA1170	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05627867	-116.4002282	0.003	136.5	0.005	207.7	77.49844169
US1171/CA1171	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05627854	-116.4001272	0.002	80.8	0.004	157.8	76.55115762
US1172/CA1172	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05641132	-116.3997279	0.020	891.8	0.025	1083.4	211.4258347
US1173/CA1173	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05660014	-116.3993695	0.012	534.7	0.018	762.5	160.3128341
US1174/CA1174	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05658961	-116.3989525	0.016	711.1	0.023	1012.7	334.1504262
US1175/CA1175	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05670477	-116.3983957	0.252	10966.0	0.279	12162.5	420.7932928
US1176/CA1176	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05688128	-116.3972797	0.028	1223.6	0.033	1423.3	184.1578099
US1177/CA1177	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05685096	-116.3971805	0.004	161.8	0.007	314.5	151.9246479
US1178/CA1178	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05693238	-116.3971013	0.003	113.1	0.005	220.6	105.934428
US1179/CA1179	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05698324	-116.3967651	0.019	818.7	0.042	1831.1	336.179695
US1180/CA1180	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05694199	-116.3964319	0.033	1442.1	0.038	1659.5	214.2200137
US1181/CA1181	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05705133	-116.3958871	0.020	859.2	0.041	1798.9	245.4138428
US1182/CA1182	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05730461	-116.3944304	0.019	835.6	0.032	1395.7	275.7498654
US1183/CA1183	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05739709	-116.393854	0.023	1005.0	0.035	1523.5	284.1171212
US1184/CA1184	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05748329	-116.3924611	0.053	2288.3	0.087	3778.0	600.2898855
US1185/CA1185	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05777129	-116.3925218	0.034	1491.3	0.042	1826.9	209.324133
US1186/CA1186	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05814212	-116.3901592	0.025	1075.4	0.032	1380.5	145.8889706
US1187/CA1187	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05807813	-116.388225	0.017	749.2	0.019	840.5	93.13138242
US1188/CA1188	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05856518	-116.3859937	0.055	2398.5	0.072	3137.3	361.5783788
US1189/CA1189	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.05884434	-116.3844724	0.010	449.8	0.017	759.6	174.0801176
US1190/CA1190	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06000997	-116.3759523	0.002	69.1	0.002	101.8	65.13352438
US1191/CA1191	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06051975	-116.3745054	0.039	1719.6	0.043	1876.9	147.3143139
US1192/CA1192	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0610827	-116.3731892	0.060	2616.2	0.064	2778.6	156.4966551
US1193/CA1193	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06101952	-116.3728565	0.009	389.7	0.010	430.8	79.55980439
US1194/CA1194	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06161023	-116.3715096	0.006	280.5	0.007	304.2	44.10155995
US1195/CA1195	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06470644	-116.3645784	0.017	719.9	0.022	978.1	229.8720251
US1196/CA1196	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06860322	-116.3555515	0.013	587.2	0.016	703.4	112.195043
US1197/CA1197	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.06944174	-116.3532579	0.015	647.3	0.029	1270.1	313.9266038
US1198/CA1198	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07142136	-116.3496044	0.017	751.4	0.017	751.5	178.4698845
US1199/CA1199	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07200321	-116.3492886	0.005	211.2	0.007	293.9	95.27363926
US1200/CA1200	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07214033	-116.3491889	0.009	382.7	0.010	414.4	51.75858471

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US1201/CA1201	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07230485	-116.3490418	0.006	247.2	0.007	320.3	68.25304874
US1202/CA1202	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07246503	-116.3487688	0.019	825.2	0.026	1145.8	154.3523733
US1203/CA1203	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07335433	-116.3478344	0.008	342.2	0.010	447.9	101.2432051
US1204/CA1204	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07371258	-116.3474727	0.018	765.8	0.021	899.4	130.9833605
US1205/CA1205	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07395759	-116.3475867	0.017	728.3	0.024	1050.9	165.1726532
US1206/CA1206	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07380857	-116.3473821	0.014	613.6	0.017	741.3	123.4666266
US1207/CA1207	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07389407	-116.347308	0.010	433.9	0.011	494.1	58.94108688
US1208/CA1208	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07394286	-116.3472636	0.002	74.9	0.002	74.9	71.21578766
US1209/CA1209	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07406515	-116.3471515	0.006	258.0	0.008	329.1	68.94646558
US1210/CA1210	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07437019	-116.3472539	0.008	330.4	0.010	414.0	82.20931321
US1211/CA1211	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07432818	-116.3468781	0.007	294.3	0.008	345.5	43.97629029
US1212/CA1212	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07450392	-116.34676	0.015	633.7	0.018	800.8	74.67280603
US1213/CA1213	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07484758	-116.3468679	0.019	831.2	0.022	948.6	123.1115895
US1214/CA1214	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07469893	-116.3465968	0.008	339.5	0.009	407.5	69.10491507
US1215/CA1215	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07493226	-116.3464166	0.010	434.2	0.012	513.1	84.02336447
US1216/CA1216	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07565644	-116.3460198	0.002	102.6	0.008	352.8	64.52172767
US1217/CA1217	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.07877515	-116.3432979	0.078	3394.7	0.184	8019.8	238.5561397
US1218/CA1218	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08230633	-116.3337547	0.323	14058.3	1.273	55446.0	294.0224795
US1219/CA1219	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0835595	-116.3300178	0.293	12768.2	1.787	77830.6	662.6356948
US1220/CA1220	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0844099	-116.3277564	0.141	6126.2	0.539	23497.3	475.7245655
US1221/CA1221	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0845903	-116.3272971	0.053	2300.2	0.270	11757.3	157.2582925
US1222/CA1222	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08476522	-116.3268754	0.254	11085.0	0.473	20606.9	245.8513849
US1223/CA1223	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08484104	-116.3262878	0.043	1856.9	0.296	12905.6	288.2931897
US1224/CA1224	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08493754	-116.3259842	0.014	609.5	0.039	1705.3	108.6950775
US1225/CA1225	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08507032	-116.3257556	0.054	2362.1	0.270	11741.4	157.9409302
US1226/CA1226	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0852279	-116.3253363	0.071	3102.9	0.292	12701.2	263.7874683
US1227/CA1227	Streambed - Unvegetated	Perennial	Other Waters	1602	Scrub-Shrub	35.08533834	-116.3250158	0.024	1056.3	0.024	1056.3	176.3415744
US1228/CA1228	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08538724	-116.3248004	0.045	1960.4	0.060	2629.9	326.0890499
US1229/CA1229	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08550471	-116.3245262	0.029	1261.6	0.038	1657.8	182.5070733
US1230/CA1230	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08572315	-116.3239721	0.011	466.3	0.024	1063.2	139.2355541
US1231/CA1231	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08581059	-116.3235962	0.060	2631.7	0.140	6103.1	159.8602788
US1232/CA1232	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08589335	-116.323336	0.006	267.0	0.006	267.0	252.2288017
US1233/CA1233	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08595394	-116.3231029	0.030	1291.3	0.058	2517.4	251.924373
US1234/CA1234	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08610282	-116.322814	0.043	1880.3	0.056	2443.3	280.3795675
US1235/CA1235	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08636611	-116.3220865	0.046	2009.2	0.061	2649.2	325.9054489
US1236/CA1236	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08644399	-116.3217961	0.015	649.3	0.038	1651.1	157.6560317
US1237/CA1237	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Riparian Scrub	35.08652303	-116.3215065	0.030	1294.8	0.041	1793.5	255.6087186
US1238/CA1238	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08666282	-116.3212158	0.046	2010.3	0.057	2483.4	217.6251871
US1239/CA1239	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08669359	-116.3210053	0.020	886.5	0.029	1264.8	178.44121
US1240/CA1240	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08677214	-116.3208774	0.021	898.6	0.024	1063.4	160.6869224
US1241/CA1241	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08684403	-116.320501	0.055	2391.4	0.149	6474.5	313.3762442
US1242/CA1242	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08718274	-116.3196227	0.292	12714.3	0.570	24829.6	729.085517
US1243/CA1243	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08729352	-116.3192715	0.052	2243.5	0.124	5383.0	161.5403728
US1244/CA1244	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08737281	-116.3190825	0.045	1959.3	0.119	5195.5	236.4258004
US1245/CA1245	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08746576	-116.3187796	0.021	901.4	0.073	3177.4	285.6640733
US1246/CA1246	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08766781	-116.3182756	0.081	3511.1	0.235	10221.7	315.9845584
US1247/CA1247	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08773725	-116.3179464	0.099	4318.8	0.219	9537.9	158.9534393
US1248/CA1248	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.0879151	-116.3174425	0.067	2914.4	0.219	9560.2	198.3573382
US1249/CA1249	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08810608	-116.3170267	0.261	11379.9	0.279	12151.8	240.1632482
US1250/CA1250	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08821613	-116.3166602	0.189	8229.0	0.203	8834.7	190.4052951

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US1251/CA1251	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08826363	-116.3164247	0.114	4983.0	0.135	5877.9	293.9583987
US1252/CA1252	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08845727	-116.3160678	0.099	4291.8	0.340	14830.1	349.3979689
US1253/CA1253	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08858188	-116.3154123	0.105	4561.9	0.209	9084.7	831.5603839
US1254/CA1254	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08876449	-116.3147491	0.051	2204.2	0.079	3452.9	502.0618225
US1255/CA1255	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08899354	-116.3144978	0.080	3463.3	0.101	4379.4	460.7440287
US1256/CA1256	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08912705	-116.3140189	0.028	1217.5	0.042	1809.4	197.3802649
US1257/CA1257	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08920963	-116.3137865	0.003	143.0	0.003	143.0	134.5505516
US1258/CA1258	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08919175	-116.3133833	0.028	1206.7	0.037	1610.3	238.171961
US1259/CA1259	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08955016	-116.3129589	0.007	288.7	0.010	423.8	175.5459609
US1260/CA1260	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08950677	-116.312605	0.100	4348.3	0.161	7024.4	547.8294913
US1261/CA1261	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.08985629	-116.3111666	0.181	7871.7	0.312	13591.4	1349.534686
US1262/CA1262	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.09074904	-116.3107279	0.075	3286.1	0.104	4545.0	199.0956663
US1263/CA1263	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12784512	-116.2367815	0.114	4966.8	0.114	4966.8	528.6982053
US1264/CA1264	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1275691	-116.2370898	0.016	693.6	0.019	841.5	144.6677804
US1265/CA1265	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12759922	-116.2369031	0.008	361.5	0.008	361.5	124.3808385
US1266/CA1266	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12764085	-116.236742	0.009	387.8	0.012	522.0	134.316928
US1267/CA1267	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12787191	-116.2364398	0.009	399.8	0.009	399.8	106.5587274
US1268/CA1268	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12780605	-116.2363178	0.026	1121.2	0.026	1121.2	297.6648789
US1269/CA1269	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1279675	-116.2359679	0.022	941.5	0.037	1622.0	228.2263941
US1270/CA1270	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1278849	-116.2358157	0.011	466.6	0.020	892.1	161.7566745
US1271/CA1271	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12810422	-116.2352621	0.097	4225.4	0.140	6097.3	919.6533651
US1272/CA1272	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1280856	-116.2349834	0.003	118.6	0.003	118.7	121.0937694
US1273/CA1273	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12811221	-116.234852	0.004	192.3	0.006	254.6	66.08601206
US1274/CA1274	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12843185	-116.23436	0.026	1142.5	0.031	1333.2	195.2867281
US1275/CA1275	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12850867	-116.2341521	0.020	851.4	0.024	1047.0	203.1971868
US1276/CA1276	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12864672	-116.2339189	0.009	371.6	0.010	435.6	59.51293245
US1277/CA1277	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12855585	-116.2337063	0.025	1072.5	0.031	1370.7	300.9473451
US1278/CA1278	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.128622	-116.2332668	0.024	1061.8	0.029	1264.9	198.9054962
US1279/CA1279	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12871854	-116.2330508	0.045	1949.6	0.070	3068.1	408.8522939
US1280/CA1280	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12882494	-116.2328953	0.019	807.8	0.026	1129.6	160.8756939
US1281/CA1281	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12892067	-116.2328176	0.006	272.8	0.006	272.9	156.6842021
US1282/CA1282	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12895215	-116.2325831	0.023	1015.5	0.028	1214.8	192.2622437
US1283/CA1283	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12900433	-116.2325074	0.003	122.3	0.003	122.3	125.1485602
US1284/CA1284	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12907685	-116.2323886	0.011	459.6	0.030	1307.6	219.9745785
US1285/CA1285	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12894561	-116.232129	0.001	53.8	0.005	202.8	48.63663086
US1286/CA1286	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12911629	-116.231963	0.003	113.4	0.012	512.4	97.17039777
US1287/CA1287	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12939473	-116.2319484	0.000	17.3	0.001	36.8	8.55268564
US1288/CA1288	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12925156	-116.2317314	0.009	374.2	0.025	1096.1	180.2591978
US1289/CA1289	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1292396	-116.2315066	0.004	174.3	0.004	174.3	177.6253945
US1290/CA1290	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12943487	-116.2312108	0.006	246.1	0.030	1297.1	176.1349866
US1291/CA1291	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12965	-116.230806	0.004	176.7	0.025	1088.1	157.8665862
US1292/CA1292	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12978871	-116.230607	0.006	265.2	0.011	491.4	147.005815
US1293/CA1293	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12979328	-116.2303851	0.007	324.9	0.022	969.6	157.5977086
US1294/CA1294	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12989007	-116.2302866	0.006	252.6	0.011	499.9	122.6115811
US1295/CA1295	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.12992368	-116.2300737	0.004	179.5	0.012	518.9	168.9203563
US1296/CA1296	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1299897	-116.2298813	0.011	468.9	0.018	782.9	154.5798254
US1297/CA1297	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13006939	-116.2296728	0.013	552.1	0.029	1273.2	180.1551097
US1298/CA1298	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13030681	-116.2289173	0.040	1756.8	0.040	1756.8	226.0755015
US1299/CA1299	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1315745	-116.2260726	0.003	141.9	0.009	410.1	134.8039817
US1300/CA1300	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13155231	-116.225909	0.006	274.4	0.019	824.4	133.7536432

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US1301/CA1301	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13168729	-116.225703	0.025	1075.7	0.046	2002.0	351.5547277
US1302/CA1302	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13178806	-116.2255623	0.007	289.0	0.013	577.9	95.17893491
US1303/CA1303	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13181631	-116.2254668	0.007	312.2	0.014	622.9	102.5853801
US1304/CA1304	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13164518	-116.2252813	0.004	165.3	0.008	334.1	54.21222626
US1305/CA1305	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13197197	-116.2252393	0.005	208.8	0.013	555.3	102.5495896
US1306/CA1306	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13229107	-116.2238514	0.046	2020.8	0.093	4035.6	407.3006971
US1307/CA1307	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13252516	-116.2233152	0.002	103.5	0.007	302.4	97.73187895
US1308/CA1308	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1325389	-116.222944	0.001	62.9	0.002	94.7	30.78149874
US1309/CA1309	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1331349	-116.2219554	0.087	3785.2	0.597	26025.1	750.248682
US1310/CA1310	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13336354	-116.2212756	0.040	1744.4	0.068	2975.1	246.9109699
US1311/CA1311	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13345086	-116.2210584	0.004	188.3	0.024	1047.8	177.4392604
US1312/CA1312	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13340788	-116.2207148	0.003	120.2	0.007	316.4	77.13509184
US1313/CA1313	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13377471	-116.2203522	0.042	1843.7	0.105	4576.5	172.1996615
US1314/CA1314	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13370786	-116.2194876	0.079	3443.3	0.196	8531.4	347.7255153
US1315/CA1315	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13334637	-116.2194646	0.005	229.5	0.005	229.5	96.77484993
US1316/CA1316	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13312229	-116.2194011	0.002	80.4	0.004	162.5	32.50997057
US1317/CA1317	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13414	-116.2192883	0.018	778.4	0.036	1566.7	192.9405516
US1318/CA1318	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13478483	-116.2188278	0.171	7427.9	0.336	14624.9	1085.693921
US1319/CA1319	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13444798	-116.2183643	0.007	284.3	0.010	442.7	49.60642162
US1320/CA1320	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13479165	-116.2178285	0.025	1093.1	0.057	2479.6	136.485083
US1321/CA1321	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13538943	-116.2186946	0.006	276.2	0.020	890.1	175.9521371
US1322/CA1322	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13572621	-116.2186006	0.032	1394.7	0.062	2721.8	286.1392374
US1323/CA1323	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13577161	-116.2187605	0.002	76.1	0.004	191.5	36.96901531
US1324/CA1324	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13658643	-116.2183024	0.011	478.8	0.019	813.0	132.0542376
US1325/CA1325	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13663949	-116.2181465	0.010	418.9	0.019	827.6	120.12204
US1326/CA1326	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13727898	-116.2180182	0.089	3885.7	0.306	13317.9	557.8082279
US1327/CA1327	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.13810826	-116.2176929	0.562	24473.8	0.766	33383.3	428.9719565
US1328/CA1328	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.14013585	-116.2169953	0.270	11739.7	0.402	17511.6	1216.916817
US1329/CA1329	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.141478	-116.2164609	0.002	93.2	0.012	506.4	165.5013441
US1330/CA1330	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.14315472	-116.2157952	0.082	3558.5	0.183	7981.9	669.0126209
US1331/CA1331	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.14425751	-116.2155506	0.040	1736.7	0.040	1736.7	860.6727308
US1332/CA1332	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1461836	-116.2146324	0.128	5562.1	0.174	7581.2	875.8234933
US1333/CA1333	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.14640869	-116.2143646	0.043	1858.9	0.060	2625.6	259.0898416
US1334/CA1334	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.14658099	-116.2143488	0.058	2516.4	0.069	3010.6	150.8526368
US1335/CA1335	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.14691637	-116.2140075	0.042	1838.0	0.110	4785.6	137.9255079
US1336/CA1336	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.14760927	-116.2137467	0.116	5067.0	0.277	12061.6	385.7799641
US1337/CA1337	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.14806859	-116.2134158	0.038	1668.6	0.090	3903.3	334.8405426
US1338/CA1338	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1486327	-116.2129311	0.004	185.8	0.024	1048.6	171.8116561
US1339/CA1339	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.14894869	-116.2127735	0.029	1273.4	0.047	2052.6	200.894003
US1340/CA1340	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.14907738	-116.2126622	0.011	499.5	0.022	962.7	155.9400721
US1341/CA1341	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.15067665	-116.2115879	0.033	1431.6	0.073	3164.0	535.3087996
US1342/CA1342	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.15115342	-116.211402	0.007	291.3	0.034	1466.3	127.968722
US1343/CA1343	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.15118434	-116.2110501	0.001	38.6	0.008	330.6	42.15700641
US1344/CA1344	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.152324	-116.2104723	0.105	4590.1	0.132	5763.1	796.4295102
US1345/CA1345	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.15342387	-116.2100525	0.006	240.5	0.010	447.1	98.92045029
US1346/CA1346	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.15450998	-116.2090378	0.017	728.6	0.059	2561.7	373.351724
US1347/CA1347	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.15533671	-116.2087698	0.008	340.6	0.017	719.7	111.0351968
US1348/CA1348	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.15553573	-116.2084842	0.004	194.9	0.017	749.9	183.5646202
US1349/CA1349	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.15584999	-116.2082857	0.015	658.5	0.038	1654.9	170.7673614
US1350/CA1350	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.15626572	-116.2079536	0.011	469.3	0.029	1280.8	184.5301507

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US1351/CA1351	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.15779062	-116.2069234	0.020	869.2	0.036	1586.2	228.1441253
US1352/CA1352	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.16124947	-116.2048217	0.005	227.3	0.019	845.7	202.0495711
US1353/CA1353	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.16351862	-116.2032398	0.047	2043.4	0.071	3089.9	564.6218982
US1354/CA1354	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.16490717	-116.202232	0.059	2575.3	0.100	4341.3	731.2383087
US1355/CA1355	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.16680942	-116.2009755	0.228	9948.8	0.492	21417.5	835.8201183
US1356/CA1356	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.16721612	-116.2010711	0.014	600.9	0.022	979.1	119.241338
US1357/CA1357	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1676739	-116.2004324	0.165	7201.7	0.338	14739.2	500.5750626
US1358/CA1358	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.16793221	-116.2005795	0.003	118.9	0.011	464.2	96.20190223
US1359/CA1359	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.16831455	-116.2000178	0.031	1342.2	0.080	3486.9	185.1384496
US1360/CA1360	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.16855511	-116.1997472	0.005	196.8	0.012	534.3	188.0108843
US1361/CA1361	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1690139	-116.1995897	0.011	497.6	0.063	2763.9	290.728488
US1362/CA1362	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.16972517	-116.1992764	0.005	210.3	0.013	559.3	196.9434973
US1363/CA1363	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.16984385	-116.1988651	0.001	46.5	0.007	296.0	82.07245296
US1364/CA1364	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17054599	-116.1988145	0.001	45.0	0.003	132.2	42.54388458
US1365/CA1365	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17063334	-116.1983923	0.003	136.2	0.022	973.4	249.2035456
US1366/CA1366	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17180792	-116.1977409	0.013	561.6	0.021	911.4	173.6158488
US1367/CA1367	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17205935	-116.1975216	0.014	627.5	0.032	1405.8	154.5881902
US1368/CA1368	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1721937	-116.1976234	0.013	586.5	0.089	3855.8	172.0191942
US1369/CA1369	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17242534	-116.1976126	0.005	210.6	0.011	487.1	40.59674765
US1370/CA1370	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17281108	-116.1970159	0.139	6065.6	0.210	9151.0	572.4781355
US1371/CA1371	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17333351	-116.1967328	0.012	528.6	0.044	1932.6	188.3667933
US1372/CA1372	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17398861	-116.1963618	0.501	21805.6	0.823	35849.1	655.3300277
US1373/CA1373	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17530101	-116.1955012	0.153	6650.3	0.315	13737.1	917.567008
US1374/CA1374	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17626011	-116.1947137	0.029	1270.9	0.117	5080.2	185.475654
US1375/CA1375	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17663531	-116.1947918	0.010	430.9	0.026	1135.8	120.2280177
US1376/CA1376	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17656658	-116.1944559	0.003	109.1	0.010	419.8	102.4050999
US1377/CA1377	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17700968	-116.1943089	0.013	581.9	0.033	1445.4	186.7722326
US1378/CA1378	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17799016	-116.1937541	0.059	2585.4	0.328	14272.4	436.7388352
US1379/CA1379	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17889839	-116.1930771	0.038	1640.8	0.052	2254.9	212.1397357
US1380/CA1380	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17923588	-116.192757	0.025	1109.8	0.051	2210.7	193.9481848
US1381/CA1381	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1794714	-116.1927162	0.022	955.5	0.045	1954.9	161.5612018
US1382/CA1382	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1796716	-116.1925373	0.008	340.4	0.013	569.4	143.0168856
US1383/CA1383	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.17995612	-116.1923298	0.002	101.0	0.007	295.9	95.32522724
US1384/CA1384	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18007715	-116.192159	0.003	128.2	0.007	297.9	64.33422189
US1385/CA1385	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18062794	-116.1920304	0.118	5157.2	0.237	10312.0	167.5641131
US1386/CA1386	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18089041	-116.1916322	0.004	169.2	0.014	629.7	156.5747207
US1387/CA1387	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18125378	-116.1917746	0.005	217.0	0.020	876.7	200.1987837
US1388/CA1388	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18172383	-116.1912965	0.057	2493.0	0.257	11213.3	662.0990015
US1389/CA1389	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18194677	-116.191048	0.024	1033.8	0.046	2010.4	169.0406415
US1390/CA1390	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18219874	-116.1909305	0.018	785.4	0.078	3398.3	170.4835969
US1391/CA1391	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18249043	-116.1906705	0.050	2189.9	0.196	8554.4	392.4695577
US1392/CA1392	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18314366	-116.1903938	0.121	5251.1	0.590	25704.5	296.9474562
US1393/CA1393	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18348148	-116.1901361	0.038	1654.8	0.074	3227.2	411.1318346
US1394/CA1394	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18369168	-116.1900884	0.026	1148.8	0.125	5443.2	113.8238035
US1395/CA1395	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18398035	-116.1897375	0.050	2168.5	0.264	11484.8	433.192691
US1396/CA1396	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18428533	-116.1895387	0.031	1328.7	0.081	3510.5	151.8528999
US1397/CA1397	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1845348	-116.1894172	0.033	1422.2	0.096	4164.5	231.369843
US1398/CA1398	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18489921	-116.1891952	0.034	1500.1	0.110	4770.7	333.0633477
US1399/CA1399	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1850267	-116.188873	0.003	120.2	0.006	276.8	58.33857519
US1400/CA1400	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18518352	-116.1889948	0.022	936.7	0.065	2830.7	248.105817

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US1401/CA1401	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18540473	-116.1887932	0.021	932.4	0.061	2672.8	210.2946348
US1402/CA1402	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18559611	-116.1886776	0.028	1200.9	0.097	4242.1	379.7672591
US1403/CA1403	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18581669	-116.1885548	0.011	493.5	0.066	2879.5	159.0932896
US1404/CA1404	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18635301	-116.1882027	0.118	5135.2	0.301	13112.9	868.6544536
US1405/CA1405	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18699559	-116.1876656	0.003	129.3	0.042	1826.0	183.4949382
US1406/CA1406	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18726841	-116.1878556	0.007	299.5	0.007	299.5	38.32711289
US1407/CA1407	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1873745	-116.1877834	0.004	175.1	0.004	175.1	50.18030083
US1408/CA1408	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18744705	-116.1877337	0.004	159.8	0.004	159.8	32.37191534
US1409/CA1409	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18751598	-116.1873174	0.034	1460.3	0.034	1460.3	216.5949761
US1410/CA1410	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18776662	-116.187251	0.081	3521.1	0.104	4532.4	171.7814635
US1411/CA1411	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18810833	-116.1869233	0.094	4109.6	0.148	6443.6	245.0145045
US1412/CA1412	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18818385	-116.1872692	0.002	101.7	0.002	101.7	22.49091689
US1413/CA1413	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18845947	-116.1867344	0.048	2078.9	0.061	2657.6	282.1073708
US1414/CA1414	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.18933237	-116.186283	0.315	13723.0	0.447	19473.0	830.4930577
US1415/CA1415	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19022069	-116.1856739	0.016	697.5	0.016	697.5	162.2506273
US1416/CA1416	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19044652	-116.1852921	0.005	232.5	0.005	232.5	41.71846272
US1417/CA1417	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19056077	-116.1857035	0.024	1054.0	0.028	1226.8	168.8217443
US1418/CA1418	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19077333	-116.1851198	0.025	1073.9	0.025	1073.8	194.9483387
US1419/CA1419	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19107311	-116.1849529	0.041	1794.6	0.041	1794.5	277.0093662
US1420/CA1420	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19183355	-116.1845848	0.046	1999.7	0.052	2268.5	283.5003129
US1421/CA1421	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19318548	-116.1837223	0.353	15378.9	0.372	16189.6	833.2158284
US1422/CA1422	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19353656	-116.1834411	0.046	2014.6	0.056	2446.2	221.7468394
US1423/CA1423	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19375818	-116.1833672	0.112	4882.0	0.131	5727.9	466.1488299
US1424/CA1424	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1939422	-116.1830434	0.026	1131.2	0.026	1131.2	82.69185506
US1425/CA1425	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19409879	-116.1833932	0.011	490.5	0.013	546.7	51.476239
US1426/CA1426	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19406235	-116.1829577	0.006	256.7	0.006	256.7	55.81104807
US1427/CA1427	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19414526	-116.1829115	0.010	420.5	0.010	420.5	72.27890041
US1428/CA1428	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19431337	-116.1832583	0.010	440.7	0.011	490.1	37.02072228
US1429/CA1429	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19440739	-116.1828435	0.020	874.9	0.020	874.9	190.604787
US1430/CA1430	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19462113	-116.1827878	0.036	1546.5	0.036	1546.5	159.8095279
US1431/CA1431	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19478543	-116.1825788	0.024	1049.2	0.030	1288.9	239.4877418
US1432/CA1432	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19520997	-116.1826034	0.011	493.0	0.016	708.0	118.5808047
US1433/CA1433	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19527585	-116.1822046	0.011	489.9	0.011	489.9	68.85686533
US1434/CA1434	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19573566	-116.1821085	0.035	1521.8	0.035	1521.9	275.2695791
US1435/CA1435	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19569619	-116.1818438	0.007	289.0	0.007	289.0	81.02842957
US1436/CA1436	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1959351	-116.1819974	0.046	1993.2	0.046	1993.2	130.7825242
US1437/CA1437	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19613508	-116.1819412	0.030	1321.4	0.044	1916.9	110.8635599
US1438/CA1438	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19622591	-116.1817169	0.031	1366.7	0.031	1366.7	180.2064327
US1439/CA1439	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19662007	-116.1814531	0.033	1440.6	0.039	1703.8	279.4180531
US1440/CA1440	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19688438	-116.1812887	0.292	12705.4	0.309	13456.0	480.368306
US1441/CA1441	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19693609	-116.1810313	0.003	123.4	0.005	200.2	43.2622467
US1442/CA1442	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1970567	-116.1809274	0.002	89.0	0.003	111.3	21.0397126
US1443/CA1443	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19719619	-116.1809022	0.003	140.0	0.005	201.1	41.86930084
US1444/CA1444	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19733295	-116.1811541	0.007	306.3	0.007	306.3	115.8480642
US1445/CA1445	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19731062	-116.1808185	0.002	69.5	0.002	69.6	46.67514199
US1446/CA1446	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19747953	-116.1811005	0.013	569.4	0.015	634.4	61.18309335
US1447/CA1447	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19754012	-116.1808058	0.019	833.3	0.019	833.3	108.7003933
US1448/CA1448	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1977261	-116.1807047	0.015	667.6	0.015	667.6	174.6352058
US1449/CA1449	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19790251	-116.1806123	0.034	1495.1	0.037	1629.6	135.3583447
US1450/CA1450	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19807937	-116.1804672	0.006	246.2	0.006	246.2	125.2351874

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US1451/CA1451	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19817089	-116.1803346	0.041	1782.1	0.054	2356.3	292.1309092
US1452/CA1452	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19834284	-116.1803026	0.003	141.1	0.003	141.1	40.97537788
US1453/CA1453	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19851188	-116.1801841	0.027	1176.4	0.027	1176.5	153.9222953
US1454/CA1454	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19865509	-116.1799961	0.018	766.8	0.018	766.8	129.7381044
US1455/CA1455	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19899295	-116.1799012	0.189	8219.1	0.199	8664.3	487.7304472
US1456/CA1456	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19931715	-116.1799275	0.005	231.7	0.006	268.7	34.69130015
US1457/CA1457	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19934131	-116.1798863	0.003	111.1	0.004	157.4	45.33505547
US1458/CA1458	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19951831	-116.1797267	0.043	1864.0	0.068	2977.1	303.3256821
US1459/CA1459	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1995618	-116.1796435	0.003	145.2	0.003	145.2	39.74950472
US1460/CA1460	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19950398	-116.1793258	0.002	87.1	0.002	87.1	27.35012433
US1461/CA1461	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19967982	-116.1795716	0.017	737.6	0.024	1041.0	97.20666712
US1462/CA1462	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.1997448	-116.1794392	0.031	1347.7	0.038	1669.8	160.0238238
US1463/CA1463	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19983371	-116.1793377	0.058	2511.1	0.086	3763.7	155.6437526
US1464/CA1464	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.19999113	-116.1794117	0.013	547.2	0.013	547.2	118.9674635
US1465/CA1465	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20017925	-116.1791559	0.086	3728.6	0.134	5844.4	611.3565139
US1466/CA1466	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20045483	-116.1791306	0.007	288.7	0.007	288.7	78.0523087
US1467/CA1467	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2009004	-116.1786492	0.152	6606.0	0.191	8305.5	827.8394018
US1468/CA1468	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20113485	-116.1784427	0.002	65.7	0.002	65.7	31.12570144
US1469/CA1469	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20130096	-116.1784615	0.027	1157.4	0.027	1157.4	253.6134338
US1470/CA1470	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20113492	-116.1782316	0.007	292.4	0.007	292.4	62.17784394
US1471/CA1471	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20135458	-116.1781074	0.007	307.2	0.007	307.2	56.89554044
US1472/CA1472	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20198998	-116.1779289	0.056	2457.1	0.065	2828.0	411.5484806
US1473/CA1473	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20236486	-116.1776201	0.047	2054.3	0.047	2054.3	249.427992
US1474/CA1474	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20257764	-116.1777328	0.005	227.4	0.005	227.4	59.20579783
US1475/CA1475	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20261441	-116.1774625	0.005	214.9	0.008	357.5	166.0175105
US1476/CA1476	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20287067	-116.1776131	0.000	21.3	0.001	59.3	17.72148536
US1477/CA1477	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20304564	-116.1771085	0.023	1010.1	0.026	1132.6	115.6308608
US1478/CA1478	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20319244	-116.1771593	0.047	2051.4	0.052	2248.5	184.8931649
US1479/CA1479	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2035559	-116.1769006	0.035	1521.9	0.087	3789.5	352.1189668
US1480/CA1480	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20404091	-116.1766208	0.088	3811.6	0.469	20434.7	898.0947078
US1481/CA1481	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20435746	-116.1763308	0.056	2445.1	0.208	9050.6	366.7237781
US1482/CA1482	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2046258	-116.1763106	0.025	1090.0	0.025	1090.0	140.1740491
US1483/CA1483	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20478011	-116.1761389	0.123	5337.7	0.360	15683.7	664.8068898
US1484/CA1484	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20503472	-116.176034	0.017	725.6	0.043	1887.1	162.0023379
US1485/CA1485	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20517379	-116.1759822	0.034	1489.7	0.034	1489.7	184.2497532
US1486/CA1486	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20514393	-116.1758662	0.001	62.7	0.004	185.5	59.24091609
US1487/CA1487	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20510471	-116.1756557	0.003	125.7	0.006	254.9	41.58352736
US1488/CA1488	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20561885	-116.1756133	0.129	5600.0	0.230	10019.2	285.9410636
US1489/CA1489	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2057961	-116.1752668	0.010	441.2	0.010	441.2	82.75538341
US1490/CA1490	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20587405	-116.1752519	0.010	418.0	0.010	418.0	57.67896299
US1491/CA1491	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20603287	-116.1754621	0.011	489.0	0.011	489.0	89.30652441
US1492/CA1492	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20628972	-116.1751034	0.246	10721.6	0.257	11191.1	585.1972682
US1493/CA1493	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20661432	-116.1748446	0.014	598.3	0.014	598.3	128.9108811
US1494/CA1494	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20673491	-116.1747167	0.013	576.2	0.013	576.2	148.6132435
US1495/CA1495	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20712127	-116.1745366	0.101	4406.7	0.124	5394.3	220.8694498
US1496/CA1496	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20739225	-116.1744123	0.099	4303.1	0.107	4670.5	380.1988617
US1497/CA1497	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20767935	-116.1742228	0.061	2636.9	0.066	2891.8	246.1280619
US1498/CA1498	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20791732	-116.1740221	0.044	1903.0	0.044	1903.0	181.3414675
US1499/CA1499	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20824017	-116.1738336	0.220	9582.6	0.229	9989.7	490.205788
US1500/CA1500	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20854425	-116.1734983	0.015	647.4	0.015	647.4	125.2713558

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US1501/CA1501	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20895425	-116.1733872	0.289	12582.5	0.298	12967.6	169.0111871
US1502/CA1502	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20930782	-116.1730939	0.019	844.7	0.019	844.7	164.5031126
US1503/CA1503	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20946581	-116.1729993	0.042	1834.9	0.042	1834.9	182.7407454
US1504/CA1504	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.20973797	-116.1728542	0.078	3407.6	0.090	3930.1	538.5382659
US1505/CA1505	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21007129	-116.1728042	0.009	381.9	0.009	381.8	62.42233247
US1506/CA1506	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21039065	-116.1724911	0.221	9631.4	0.234	10197.3	666.687659
US1507/CA1507	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21058461	-116.1721572	0.051	2232.0	0.051	2232.0	138.3501055
US1508/CA1508	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21099231	-116.1720238	0.116	5050.8	0.125	5424.1	380.1760133
US1509/CA1509	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21131816	-116.1718147	0.076	3291.3	0.079	3456.4	160.1775782
US1510/CA1510	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21154679	-116.1716425	0.050	2190.3	0.057	2472.2	281.9664657
US1511/CA1511	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21184827	-116.1714738	0.047	2033.7	0.047	2033.7	227.9449528
US1512/CA1512	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2120972	-116.1713162	0.030	1306.4	0.030	1306.4	207.3544635
US1513/CA1513	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21268507	-116.1711886	0.154	6697.5	0.477	20770.2	755.1332297
US1514/CA1514	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21306474	-116.1710775	0.030	1325.0	0.105	4589.4	343.1163013
US1515/CA1515	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21325017	-116.1706239	0.028	1217.4	0.102	4423.5	240.5382484
US1516/CA1516	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21354738	-116.170473	0.018	800.3	0.072	3138.4	143.3131204
US1517/CA1517	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21373831	-116.1701156	0.068	2953.5	0.265	11537.4	564.2867391
US1518/CA1518	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21403932	-116.1698423	0.049	2137.3	0.166	7250.8	453.8577752
US1519/CA1519	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21416685	-116.1695952	0.023	980.5	0.129	5612.1	288.9662566
US1520/CA1520	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21435942	-116.1692616	0.139	6035.1	0.248	10809.5	773.0056082
US1521/CA1521	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21434162	-116.1685634	0.020	878.2	0.073	3186.1	158.6961401
US1522/CA1522	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21440618	-116.1683073	0.228	9946.2	0.232	10123.0	151.8712329
US1523/CA1523	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21481025	-116.167279	1.242	54094.3	1.275	55537.2	2156.681219
US1524/CA1524	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21517559	-116.1663513	0.200	8701.5	0.203	8861.2	152.714555
US1525/CA1525	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21531301	-116.1659793	0.187	8151.6	0.194	8464.9	389.7286224
US1526/CA1526	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2155491	-116.1654446	0.706	30759.4	0.727	31664.6	1216.932069
US1527/CA1527	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21580589	-116.1647884	0.090	3915.8	0.098	4249.7	153.5642103
US1528/CA1528	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21584513	-116.164567	0.055	2380.1	0.062	2711.9	159.1292616
US1529/CA1529	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21598359	-116.1644235	0.149	6501.7	0.166	7251.7	402.953173
US1530/CA1530	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21595902	-116.1641234	0.004	176.3	0.006	262.9	86.0322586
US1531/CA1531	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21614407	-116.1639696	0.209	9095.7	0.218	9508.1	308.762983
US1532/CA1532	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21642071	-116.1632498	0.280	12218.0	0.767	33389.7	1627.376419
US1533/CA1533	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21689405	-116.162014	0.358	15574.6	1.089	47442.5	1698.672732
US1534/CA1534	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21736237	-116.1609115	0.144	6267.1	0.322	14012.2	746.9676
US1535/CA1535	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2176268	-116.1602077	0.171	7466.4	0.430	18724.2	795.6377148
US1536/CA1536	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2179027	-116.1596182	0.074	3211.9	0.255	11090.9	458.4812238
US1537/CA1537	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21799393	-116.1592719	0.066	2864.7	0.169	7350.6	294.6391444
US1538/CA1538	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21813287	-116.1588753	0.057	2495.3	0.331	14399.6	542.2504167
US1539/CA1539	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21845958	-116.158328	0.038	1638.5	0.247	10776.6	291.3957552
US1540/CA1540	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21853669	-116.1579406	0.061	2656.6	0.114	4984.7	215.4773333
US1541/CA1541	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21870598	-116.1574923	0.092	4004.4	0.157	6826.8	545.7881107
US1542/CA1542	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21886527	-116.1571558	0.023	1005.0	0.033	1432.6	220.2361641
US1543/CA1543	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21901508	-116.1567853	0.160	6982.2	0.176	7672.3	337.4615099
US1544/CA1544	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21909767	-116.1564502	0.126	5482.2	0.159	6915.6	465.7436553
US1545/CA1545	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21922915	-116.1561214	0.094	4095.3	0.101	4416.7	151.8815585
US1546/CA1546	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21928042	-116.1559033	0.023	1012.1	0.031	1337.6	156.3572929
US1547/CA1547	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21952033	-116.1553362	0.059	2551.9	0.066	2872.8	155.3900598
US1548/CA1548	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21973958	-116.1548561	0.183	7963.0	0.198	8634.2	300.5415416
US1549/CA1549	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.21990976	-116.1544418	0.270	11756.9	0.298	12978.5	824.6125139
US1550/CA1550	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22007316	-116.1540825	0.129	5629.9	0.144	6271.0	349.678927

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US1551/CA1551	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22022348	-116.1536837	0.192	8354.5	0.236	10286.0	712.2443495
US1552/CA1552	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22038994	-116.1532939	0.110	4791.4	0.118	5132.0	392.7406937
US1553/CA1553	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2205465	-116.1527919	0.624	27166.3	0.641	27943.1	150.7489314
US1554/CA1554	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22069714	-116.1523163	0.020	878.9	0.024	1040.9	159.542884
US1555/CA1555	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22086943	-116.1521094	0.145	6335.0	0.167	7261.1	271.4527122
US1556/CA1556	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22083326	-116.1518943	0.005	238.7	0.008	354.0	116.0491425
US1557/CA1557	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22093593	-116.1517819	0.004	195.8	0.009	379.0	185.0148602
US1558/CA1558	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22113655	-116.1513004	0.055	2396.2	0.068	2964.1	291.7230874
US1559/CA1559	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22121705	-116.1510062	0.030	1297.6	0.037	1630.1	158.1244005
US1560/CA1560	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22143562	-116.150641	0.259	11268.4	0.275	11982.7	345.5600242
US1561/CA1561	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22179142	-116.1497291	0.539	23459.6	0.657	28602.9	297.9910465
US1562/CA1562	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22213428	-116.1488221	0.111	4848.1	0.204	8885.7	417.4527441
US1563/CA1563	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22233208	-116.1481846	0.018	769.5	0.029	1275.3	251.5346502
US1564/CA1564	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22251414	-116.1477972	0.162	7070.4	0.254	11051.4	303.4266495
US1565/CA1565	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22278147	-116.1472667	0.148	6438.9	0.198	8625.1	206.2623243
US1566/CA1566	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22286202	-116.1467635	0.009	409.8	0.016	681.4	134.683607
US1567/CA1567	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22311031	-116.1464375	0.059	2578.9	0.213	9273.2	461.3453126
US1568/CA1568	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22325311	-116.1458919	0.030	1319.5	0.038	1640.9	155.9079397
US1569/CA1569	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22340992	-116.145615	0.088	3826.4	0.101	4390.6	326.1469753
US1570/CA1570	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22353686	-116.1451987	0.018	784.6	0.028	1229.1	260.9058042
US1571/CA1571	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22371521	-116.1447342	0.042	1820.3	0.046	2025.3	220.8044694
US1572/CA1572	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22402242	-116.1441207	0.040	1757.5	0.057	2482.2	379.1685034
US1573/CA1573	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22435275	-116.1432154	0.551	24005.5	0.558	24327.7	152.6443848
US1574/CA1574	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22442197	-116.1426999	0.003	111.1	0.005	216.2	104.8084366
US1575/CA1575	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22472922	-116.1422369	0.530	23090.4	0.543	23636.7	334.9527113
US1576/CA1576	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2250549	-116.1414038	0.646	28153.1	0.661	28805.2	347.6946451
US1577/CA1577	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22535478	-116.1405869	0.189	8213.2	0.312	13571.8	324.508869
US1578/CA1578	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22556385	-116.1401294	0.034	1487.1	0.111	4817.5	328.7232244
US1579/CA1579	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22582572	-116.139471	0.412	17946.8	0.506	22037.0	155.2230241
US1580/CA1580	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22616374	-116.1385487	0.390	16983.2	0.452	19703.6	155.2297037
US1581/CA1581	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22628988	-116.1380337	0.017	732.5	0.048	2109.2	176.3125869
US1582/CA1582	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22656386	-116.1376651	0.459	19996.9	0.578	25185.3	643.9032383
US1583/CA1583	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22661439	-116.137214	0.005	212.4	0.007	315.8	100.3198797
US1584/CA1584	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22681601	-116.1368002	0.019	819.1	0.024	1056.7	117.360181
US1585/CA1585	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2268961	-116.1363019	0.004	168.0	0.005	239.4	33.96095198
US1586/CA1586	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22678361	-116.1362543	0.008	330.0	0.012	523.4	42.89506995
US1587/CA1587	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2271865	-116.136164	0.022	946.0	0.028	1221.0	135.2374482
US1588/CA1588	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22721634	-116.135541	0.015	674.8	0.022	938.3	122.6428188
US1589/CA1589	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22798733	-116.13399	0.011	499.5	0.019	817.7	165.675415
US1590/CA1590	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.22845469	-116.1344001	0.020	864.2	0.079	3456.4	155.1450144
US1591/CA1591	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23082099	-116.1321953	0.441	19226.5	0.811	35347.9	152.7817757
US1592/CA1592	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23299044	-116.1301574	0.019	818.1	0.073	3195.3	159.378609
US1593/CA1593	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23334926	-116.1298296	0.006	274.0	0.011	492.5	189.6153442
US1594/CA1594	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23381837	-116.1293738	0.393	17124.1	0.512	22318.1	487.1459232
US1595/CA1595	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23440424	-116.1290489	0.050	2183.4	0.117	5109.2	435.9124638
US1596/CA1596	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23440042	-116.1286368	0.049	2149.3	0.131	5685.0	301.7381332
US1597/CA1597	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23532285	-116.1279724	0.031	1351.6	0.031	1351.6	296.1238423
US1598/CA1598	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2358945	-116.1274772	0.013	579.3	0.025	1083.4	177.2131021
US1599/CA1599	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23604246	-116.1271131	0.001	63.9	0.004	159.8	52.66914456
US1600/CA1600	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2365951	-116.126844	0.238	10353.1	0.287	12481.6	852.6086515

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US1601/CA1601	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23696193	-116.1264494	0.012	535.9	0.020	886.6	171.4415706
US1602/CA1602	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23713098	-116.1262375	0.117	5078.7	0.228	9918.8	155.3437437
US1603/CA1603	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23767253	-116.1258103	0.358	15604.9	0.358	15604.9	585.1517477
US1604/CA1604	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23809228	-116.1253127	0.086	3730.8	0.169	7375.7	365.4902997
US1605/CA1605	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23825231	-116.125067	0.011	457.9	0.011	457.9	210.4736409
US1606/CA1606	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23845287	-116.1251552	0.007	305.7	0.007	305.7	311.4580098
US1607/CA1607	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23856074	-116.1250613	0.012	542.0	0.042	1829.7	217.2207324
US1608/CA1608	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23864916	-116.1249034	0.044	1911.1	0.044	1911.1	161.4576992
US1609/CA1609	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23892279	-116.1246166	0.115	5011.6	0.115	5011.6	706.6321531
US1610/CA1610	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23912632	-116.124432	0.007	301.9	0.016	688.8	167.0044972
US1611/CA1611	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23955389	-116.1240225	0.189	8226.1	0.223	9725.4	1248.162928
US1612/CA1612	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.23994398	-116.1236589	0.100	4349.0	0.111	4843.1	160.5385329
US1613/CA1613	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2400901	-116.1234982	0.222	9681.8	0.234	10197.7	162.8414729
US1614/CA1614	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24039112	-116.1232345	0.016	687.4	0.027	1172.9	243.660888
US1615/CA1615	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24075929	-116.1229045	0.021	900.9	0.044	1901.2	227.4428102
US1616/CA1616	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24111613	-116.1224236	0.025	1076.2	0.025	1076.2	341.0879809
US1617/CA1617	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24140959	-116.1223624	0.075	3267.1	0.075	3267.1	277.3072308
US1618/CA1618	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24163977	-116.1221043	0.114	4962.4	0.279	12167.7	624.2267863
US1619/CA1619	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2419977	-116.1217243	0.024	1055.3	0.038	1657.6	411.1922958
US1620/CA1620	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2425594	-116.1212539	0.131	5707.8	0.489	21299.0	885.471854
US1621/CA1621	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24303635	-116.1207849	0.172	7502.0	0.172	7502.0	534.7940004
US1622/CA1622	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24328441	-116.1205345	0.067	2924.5	0.067	2924.5	326.8011956
US1623/CA1623	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24342068	-116.1203686	0.080	3474.4	0.080	3474.4	303.2546249
US1624/CA1624	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24354057	-116.1205888	0.008	347.4	0.008	347.3	37.74863426
US1625/CA1625	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24363252	-116.120527	0.017	726.5	0.017	726.5	45.74921755
US1626/CA1626	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.243612	-116.120155	0.065	2818.0	0.104	4511.4	294.3065342
US1627/CA1627	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24393156	-116.1199025	0.147	6416.3	0.271	11796.6	802.5713923
US1628/CA1628	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24422302	-116.1198434	0.015	657.1	0.015	657.1	163.15783
US1629/CA1629	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24424995	-116.1194177	0.004	164.7	0.004	164.7	77.68016404
US1630/CA1630	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24437376	-116.1194417	0.031	1343.3	0.031	1343.3	167.2472848
US1631/CA1631	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24452421	-116.1196078	0.011	464.2	0.017	738.3	156.7580442
US1632/CA1632	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24449452	-116.1192603	0.052	2266.0	0.060	2608.2	398.433721
US1633/CA1633	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24468358	-116.1193122	0.105	4586.7	0.131	5713.3	434.770847
US1634/CA1634	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24490529	-116.1190476	0.033	1442.8	0.051	2205.6	319.3378423
US1635/CA1635	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24502989	-116.1188253	0.007	287.9	0.014	612.2	163.352114
US1636/CA1636	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24515319	-116.1187505	0.041	1778.0	0.050	2190.5	251.9732162
US1637/CA1637	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24523327	-116.1190041	0.040	1726.7	0.049	2115.9	138.9468505
US1638/CA1638	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24538353	-116.1188442	0.011	465.5	0.013	574.6	60.5167134
US1639/CA1639	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24546419	-116.1183888	0.090	3910.7	0.120	5208.3	467.5582222
US1640/CA1640	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24549996	-116.1187574	0.031	1337.4	0.040	1757.5	182.0024806
US1641/CA1641	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24580384	-116.1181841	0.281	12226.4	0.320	13952.4	810.2094187
US1642/CA1642	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24610025	-116.1177967	0.141	6146.5	0.178	7735.7	598.022195
US1643/CA1643	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24657579	-116.1174364	0.391	17030.1	0.424	18454.5	1289.283839
US1644/CA1644	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24699938	-116.1173579	0.007	290.0	0.010	451.9	76.69996861
US1645/CA1645	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24744142	-116.1165434	0.629	27402.5	0.651	28341.5	1212.076159
US1646/CA1646	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24730782	-116.117024	0.057	2492.1	0.078	3397.1	147.5291833
US1647/CA1647	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2477376	-116.116631	0.040	1743.7	0.085	3704.4	138.3177666
US1648/CA1648	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24817924	-116.1159712	0.079	3450.6	0.098	4285.3	293.7108135
US1649/CA1649	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24837968	-116.1157145	0.168	7303.9	0.206	8956.6	426.9492685
US1650/CA1650	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24889794	-116.1153126	0.481	20932.5	0.504	21959.6	1422.296312

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US1651/CA1651	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2493028	-116.1149263	0.089	3860.5	0.098	4284.3	461.8599511
US1652/CA1652	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24961275	-116.1147303	0.227	9870.8	0.247	10751.7	336.4563113
US1653/CA1653	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24980823	-116.1145361	0.016	703.2	0.041	1770.9	210.8993204
US1654/CA1654	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.24999483	-116.1142902	0.038	1640.3	0.214	9300.9	471.374843
US1655/CA1655	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25044073	-116.1137239	0.112	4887.2	0.477	20778.9	1494.299611
US1656/CA1656	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25024954	-116.1143112	0.001	46.4	0.002	95.7	48.23546165
US1657/CA1657	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25028653	-116.1142779	0.008	348.6	0.009	393.8	36.53744259
US1658/CA1658	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25033428	-116.1142237	0.003	124.7	0.003	124.8	62.74388265
US1659/CA1659	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25052864	-116.1140217	0.008	333.0	0.064	2804.9	127.6123647
US1660/CA1660	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25071397	-116.1138553	0.004	154.7	0.004	154.7	52.39479254
US1661/CA1661	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.250868	-116.1136875	0.050	2156.9	0.053	2303.9	217.9671115
US1662/CA1662	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25092769	-116.1132615	0.100	4360.2	0.112	4862.8	603.9953045
US1663/CA1663	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25115974	-116.1134228	0.025	1083.5	0.068	2941.2	334.6222281
US1664/CA1664	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25120013	-116.1130319	0.058	2512.0	0.065	2810.4	328.6132223
US1665/CA1665	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25141136	-116.1131955	0.023	988.7	0.025	1067.8	92.95352392
US1666/CA1666	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Anthropogenic/Distbd	35.25151946	-116.112687	0.228	9933.8	0.240	10458.2	779.518938
US1667/CA1667	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2516537	-116.1129442	0.011	479.0	0.040	1722.7	95.36997263
US1668/CA1668	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25179612	-116.1127748	0.002	79.1	0.002	79.1	26.52297969
US1669/CA1669	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25178981	-116.1124422	0.020	877.7	0.023	1011.2	138.6736844
US1670/CA1670	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25195041	-116.1126923	0.014	619.1	0.018	776.6	169.5498815
US1671/CA1671	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25193469	-116.1123226	0.043	1876.8	0.047	2040.0	188.0384202
US1672/CA1672	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25219241	-116.1124637	0.020	884.0	0.022	938.7	47.23181652
US1673/CA1673	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25213721	-116.1121145	0.020	856.5	0.024	1039.1	206.8552098
US1674/CA1674	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25245428	-116.1119256	0.223	9698.2	0.231	10083.4	460.7468545
US1675/CA1675	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25237864	-116.1123333	0.003	146.9	0.004	166.8	15.82926011
US1676/CA1676	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25245208	-116.1122778	0.002	92.9	0.002	107.0	10.80787825
US1677/CA1677	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25287816	-116.1116525	0.146	6378.1	0.158	6895.6	614.4240619
US1678/CA1678	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25309968	-116.1113765	0.027	1175.6	0.031	1368.4	190.607343
US1679/CA1679	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25352564	-116.1109968	0.251	10941.8	0.270	11761.8	903.1123472
US1680/CA1680	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25400673	-116.1104363	0.238	10377.8	0.254	11078.0	412.8282883
US1681/CA1681	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25446294	-116.1103954	0.001	25.0	0.002	75.1	13.42199238
US1682/CA1682	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25444183	-116.1100062	0.213	9297.6	0.230	10007.0	375.235447
US1683/CA1683	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25460246	-116.1102585	0.007	325.9	0.009	380.5	12.67710142
US1684/CA1684	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25496041	-116.1095515	0.097	4223.2	0.110	4789.8	320.7784227
US1685/CA1685	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25520619	-116.1097181	0.059	2576.5	0.065	2814.9	81.82739982
US1686/CA1686	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25509122	-116.1094157	0.030	1321.5	0.033	1455.5	128.8518332
US1687/CA1687	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25533449	-116.1091646	0.132	5739.8	0.143	6224.5	347.8751394
US1688/CA1688	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2554231	-116.1094506	0.021	909.2	0.022	961.1	37.53734682
US1689/CA1689	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25563519	-116.1090316	0.336	14646.6	0.352	15337.9	444.2876003
US1690/CA1690	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2558947	-116.1086467	0.090	3912.8	0.096	4191.3	122.7942251
US1691/CA1691	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2559575	-116.1089467	0.003	124.6	0.005	204.3	38.01308851
US1692/CA1692	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25611102	-116.1087681	0.035	1510.6	0.041	1787.4	158.1473918
US1693/CA1693	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2561348	-116.1084592	0.112	4883.7	0.123	5358.8	249.5032296
US1694/CA1694	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25633239	-116.1083197	0.032	1388.7	0.040	1756.7	192.8051535
US1695/CA1695	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25653217	-116.1083057	0.026	1121.2	0.032	1400.5	149.4796872
US1696/CA1696	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25671076	-116.1081853	0.017	753.7	0.023	991.9	105.2325824
US1697/CA1697	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25671286	-116.1077311	0.037	1606.8	0.040	1751.6	160.5814804
US1698/CA1698	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25685275	-116.1080024	0.114	4971.7	0.127	5547.6	609.2029908
US1699/CA1699	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25691495	-116.1075541	0.020	880.7	0.022	955.9	69.66718431
US1700/CA1700	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25709287	-116.1077373	0.100	4352.4	0.110	4796.7	522.0938614

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US1701/CA1701	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2571264	-116.1073417	0.030	1326.4	0.034	1487.0	148.1551913
US1702/CA1702	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25738803	-116.1074733	0.197	8569.2	0.211	9194.8	787.1017879
US1703/CA1703	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25738727	-116.1070912	0.023	1012.5	0.024	1061.6	21.8016819
US1704/CA1704	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25750298	-116.1069925	0.001	54.2	0.001	54.2	26.10533955
US1705/CA1705	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2575957	-116.1069329	0.017	757.0	0.020	874.4	111.1012194
US1706/CA1706	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25769565	-116.1072122	0.030	1313.7	0.034	1497.2	198.9127997
US1707/CA1707	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25781416	-116.1071117	0.018	792.7	0.020	888.0	88.70180902
US1708/CA1708	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25801242	-116.106988	0.040	1732.1	0.043	1877.2	187.3077477
US1709/CA1709	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25798857	-116.1066828	0.041	1788.1	0.045	1961.3	166.8167296
US1710/CA1710	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25812973	-116.1065021	0.086	3734.2	0.089	3869.8	131.1927826
US1711/CA1711	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25820848	-116.1068547	0.018	779.0	0.020	865.1	89.29160022
US1712/CA1712	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25844329	-116.1066818	0.025	1096.0	0.028	1218.0	114.0185626
US1713/CA1713	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25858578	-116.1065045	0.012	504.3	0.013	579.7	69.85765964
US1714/CA1714	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25850931	-116.1062196	0.115	5031.1	0.125	5460.7	425.5627833
US1715/CA1715	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25906494	-116.1056478	0.294	12800.4	0.319	13880.1	1187.683476
US1716/CA1716	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25887233	-116.1062088	0.008	334.6	0.011	500.7	86.90631967
US1717/CA1717	Streambed - Unvegetated	Perennial	Other Waters	1602	Scrub-Shrub	35.25918379	-116.1059197	0.081	3509.6	0.088	3825.2	361.3937575
US1718/CA1718	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25946509	-116.1053779	0.118	5151.4	0.129	5603.3	235.1131553
US1719/CA1719	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25979672	-116.105097	0.112	4859.1	0.126	5507.6	364.9050422
US1720/CA1720	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.25992569	-116.1048317	0.020	877.3	0.026	1116.3	109.1349696
US1721/CA1721	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26015858	-116.1047649	0.206	8968.2	0.224	9747.6	482.274488
US1722/CA1722	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26040641	-116.1047617	0.032	1372.8	0.035	1524.8	64.55068429
US1723/CA1723	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26062482	-116.1043482	0.240	10444.0	0.288	12560.8	591.2810706
US1724/CA1724	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2609871	-116.1042377	0.007	286.3	0.009	406.4	51.73836436
US1725/CA1725	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26115686	-116.1040885	0.011	474.6	0.013	569.9	43.58909505
US1726/CA1726	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26134137	-116.1037051	0.122	5298.0	0.158	6880.2	525.066544
US1727/CA1727	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26159579	-116.103324	0.097	4224.4	0.114	4959.0	391.5297296
US1728/CA1728	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26170061	-116.1035743	0.012	522.9	0.016	677.7	69.95792043
US1729/CA1729	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26183687	-116.1034577	0.032	1400.7	0.036	1581.4	91.66840806
US1730/CA1730	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26175891	-116.1031318	0.035	1525.8	0.043	1881.1	220.1302163
US1731/CA1731	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26203824	-116.1029816	0.142	6206.4	0.166	7226.9	561.0617698
US1732/CA1732	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2621362	-116.1031775	0.014	611.5	0.016	682.7	80.60168152
US1733/CA1733	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2624153	-116.1026316	0.108	4698.5	0.120	5217.6	304.3188184
US1734/CA1734	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26268396	-116.1026673	0.011	461.1	0.012	516.7	66.19157325
US1735/CA1735	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26260431	-116.1023404	0.056	2453.5	0.067	2898.1	279.5254734
US1736/CA1736	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2627911	-116.1025489	0.003	148.3	0.005	224.8	33.92073368
US1737/CA1737	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26289263	-116.1025006	0.018	766.9	0.019	847.2	87.07929001
US1738/CA1738	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26288289	-116.1021498	0.100	4337.3	0.115	5011.6	337.1473237
US1739/CA1739	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26322342	-116.1019914	0.216	9395.9	0.253	11041.9	725.3555299
US1740/CA1740	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26383631	-116.1015349	0.607	26419.4	0.683	29736.0	1948.099917
US1741/CA1741	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26434102	-116.1011402	0.003	112.9	0.004	170.0	55.17328482
US1742/CA1742	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26434795	-116.1007907	0.003	147.7	0.005	221.6	72.04084918
US1743/CA1743	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26458978	-116.1003802	0.153	6659.9	0.187	8131.1	763.9774094
US1744/CA1744	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26510866	-116.100048	0.059	2583.4	0.071	3103.3	510.2395729
US1745/CA1745	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26487222	-116.0996225	0.028	1219.1	0.033	1420.4	197.1173312
US1746/CA1746	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26520669	-116.0989187	0.042	1830.0	0.047	2057.0	219.4579532
US1747/CA1747	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26527731	-116.0988154	0.038	1673.0	0.043	1853.8	165.9299696
US1748/CA1748	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26560947	-116.0982602	0.187	8161.9	0.222	9675.9	819.802722
US1749/CA1749	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26612437	-116.0972008	0.878	38234.7	0.913	39752.8	1800.424323
US1750/CA1750	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26657593	-116.0961771	0.007	285.6	0.010	425.3	138.7571322

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US1751/CA1751	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26680247	-116.0958868	0.086	3725.5	0.090	3932.9	244.325049
US1752/CA1752	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26703586	-116.0953293	0.021	914.1	0.027	1170.2	125.2968353
US1753/CA1753	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26723923	-116.0951066	0.173	7527.6	0.212	9227.3	591.4246343
US1754/CA1754	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26737862	-116.0946891	0.069	3005.6	0.082	3584.2	277.5337757
US1755/CA1755	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26771418	-116.0941446	0.232	10111.3	0.250	10902.1	470.5193433
US1756/CA1756	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26791012	-116.0940687	0.020	887.8	0.022	957.1	89.5840585
US1757/CA1757	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26796317	-116.0935925	0.032	1374.4	0.040	1731.5	176.1640955
US1758/CA1758	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26830578	-116.0930015	0.387	16850.3	0.409	17821.8	677.413719
US1759/CA1759	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26892289	-116.0918669	0.580	25273.1	0.615	26796.0	789.420581
US1760/CA1760	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.26990042	-116.0899148	0.450	19621.5	0.507	22064.0	1302.00741
US1761/CA1761	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.27070574	-116.0883006	0.407	17708.7	0.444	19357.4	1087.496815
US1762/CA1762	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.27201133	-116.0858688	2.000	87131.7	2.139	93157.3	4217.566472
US1763/CA1763	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.27323051	-116.0835572	0.169	7382.9	0.181	7877.7	267.8554308
US1764/CA1764	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.27374847	-116.0832022	0.026	1134.9	0.026	1134.9	566.7390847
US1765/CA1765	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2747003	-116.0815409	0.181	7883.7	0.201	8766.3	521.5077105
US1766/CA1766	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.27661786	-116.0780293	0.018	768.8	0.021	923.4	98.75717754
US1767/CA1767	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.27952439	-116.0734974	0.019	808.0	0.019	808.0	157.8942349
US1768/CA1768	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2802066	-116.0723463	0.032	1385.7	0.109	4761.1	211.6955284
US1769/CA1769	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.28091818	-116.0712277	0.044	1926.7	0.055	2402.6	475.1569304
US1770/CA1770	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.28142656	-116.0704831	0.017	734.2	0.050	2176.1	356.3289233
US1771/CA1771	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.28572502	-116.0631202	0.005	221.5	0.013	554.8	107.4900521
US1772/CA1772	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.28869486	-116.0585508	0.008	366.0	0.008	366.0	82.40985292
US1773/CA1773	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.28956002	-116.0565096	0.027	1161.9	0.027	1162.0	231.3218922
US1774/CA1774	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.28981451	-116.0565497	0.019	825.1	0.019	825.1	142.2991153
US1775/CA1775	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.28986624	-116.0558868	0.099	4325.0	0.099	4325.0	753.8407893
US1776/CA1776	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29161547	-116.0528603	0.114	4980.4	0.189	8244.3	1089.169438
US1777/CA1777	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29441694	-116.047903	0.141	6137.7	0.245	10690.8	1510.823104
US1778/CA1778	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29342825	-116.04943	0.002	97.6	0.009	378.1	91.37893175
US1779/CA1779	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29649508	-116.0444846	0.056	2427.5	0.056	2427.5	791.3677303
US1780/CA1780	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29735823	-116.0429703	0.091	3984.7	0.091	3984.7	283.7498291
US1781/CA1781	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29752088	-116.0428101	0.033	1454.6	0.033	1454.6	157.0488155
US1782/CA1782	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29769785	-116.0422268	0.007	285.8	0.007	285.8	137.8862846
US1783/CA1783	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.2977974	-116.0420193	0.008	349.7	0.008	349.7	168.827454
US1784/CA1784	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29800765	-116.0417858	0.010	436.3	0.010	436.3	411.2270929
US1785/CA1785	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.29991536	-116.0388387	0.002	100.6	0.003	148.1	17.68423557
US1786/CA1786	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30004294	-116.0381063	0.027	1174.5	0.041	1768.0	584.1421044
US1787/CA1787	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30008182	-116.0377361	0.005	215.9	0.008	334.0	111.3212336
US1788/CA1788	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30014078	-116.0377396	0.003	130.7	0.003	137.0	65.00026093
US1789/CA1789	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.3011358	-116.0363315	0.028	1200.8	0.029	1256.5	621.8402485
US1790/CA1790	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30158435	-116.0354124	0.011	466.5	0.011	466.4	224.6042817
US1791/CA1791	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30188698	-116.0348532	0.006	249.6	0.006	249.6	234.2107964
US1792/CA1792	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30215027	-116.0346591	0.003	132.0	0.003	132.0	123.4944855
US1793/CA1793	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3030634	-116.0328534	0.716	31187.8	0.716	31187.7	1069.363487
US1794/CA1794	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30462839	-116.0300765	0.190	8280.6	0.234	10206.3	1962.200087
US1795/CA1795	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30588843	-116.0280083	0.191	8334.0	0.301	13095.1	1662.996131
US1796/CA1796	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30758637	-116.0249658	0.107	4643.3	0.151	6595.3	684.8930698
US1797/CA1797	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30810085	-116.0243857	0.005	223.3	0.007	297.7	71.11599743
US1798/CA1798	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30805352	-116.0240762	0.005	216.0	0.005	216.0	103.1242083
US1799/CA1799	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30798491	-116.0239968	0.001	40.0	0.001	40.0	36.86059811
US1800/CA1800	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30815512	-116.023942	0.004	153.4	0.004	153.5	143.8154707

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US1801/CA1801	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30837945	-116.0235875	0.082	3576.9	0.089	3868.3	283.5699838
US1802/CA1802	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30896497	-116.022692	0.338	14705.7	0.357	15567.8	425.4970029
US1803/CA1803	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30893596	-116.022275	0.005	220.8	0.007	290.8	67.55410692
US1804/CA1804	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.30957979	-116.0213589	0.203	8857.5	0.226	9861.6	482.2685794
US1805/CA1805	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31043686	-116.0198206	0.205	8951.2	0.212	9253.4	285.4575505
US1806/CA1806	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31084563	-116.0193028	0.017	748.8	0.027	1189.8	438.4620992
US1807/CA1807	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31116552	-116.0185441	0.049	2151.6	0.066	2853.5	545.9358075
US1808/CA1808	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31139661	-116.0180805	0.020	891.9	0.040	1762.3	431.6337542
US1809/CA1809	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31151875	-116.0180592	0.009	413.5	0.019	819.8	200.5265686
US1810/CA1810	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3117289	-116.0180252	0.004	193.1	0.006	275.4	36.21524114
US1811/CA1811	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31238198	-116.0166371	0.090	3923.7	0.159	6940.5	1432.201971
US1812/CA1812	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31323323	-116.0149128	0.138	6005.2	0.148	6449.1	428.6333297
US1813/CA1813	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31342033	-116.0147794	0.019	822.5	0.025	1091.8	267.2669405
US1814/CA1814	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31373201	-116.0142055	0.015	633.3	0.019	843.1	204.51896
US1815/CA1815	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31382401	-116.0140077	0.052	2270.1	0.063	2730.4	221.7301677
US1816/CA1816	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31395775	-116.0137198	0.087	3801.8	0.102	4442.9	309.9116734
US1817/CA1817	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31418749	-116.0133287	0.074	3207.0	0.086	3747.9	262.2778781
US1818/CA1818	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31476897	-116.0123448	0.020	853.1	0.026	1134.6	276.2278892
US1819/CA1819	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31533939	-116.0113854	0.019	815.2	0.031	1351.3	265.2012466
US1820/CA1820	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31544414	-116.0112724	0.005	213.4	0.005	213.4	102.2574835
US1821/CA1821	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31579517	-116.0104763	0.125	5459.0	0.166	7241.6	1039.598839
US1822/CA1822	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31629056	-116.0097739	0.058	2542.2	0.058	2542.2	580.3714726
US1823/CA1823	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31638643	-116.0093026	0.002	90.9	0.002	91.0	84.82250944
US1824/CA1824	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31680187	-116.0084323	0.022	974.0	0.043	1889.5	485.6209565
US1825/CA1825	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31730761	-116.0079287	0.016	711.0	0.030	1293.0	660.1990902
US1826/CA1826	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.317498	-116.0077666	0.004	173.0	0.004	173.0	163.9632816
US1827/CA1827	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31761387	-116.0072836	0.007	287.2	0.007	287.1	269.8165269
US1828/CA1828	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31802139	-116.0065565	0.094	4112.4	0.104	4515.6	396.9784762
US1829/CA1829	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.31835801	-116.0061234	0.303	13207.5	0.326	14207.9	1072.173919
US1830/CA1830	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32058015	-116.0021184	2.500	108888.7	2.762	120334.4	8368.606679
US1831/CA1831	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32150072	-116.0001089	0.007	287.8	0.013	569.8	137.6201173
US1832/CA1832	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32347722	-115.996987	0.073	3174.5	0.085	3700.9	252.4112967
US1833/CA1833	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32363777	-115.9967665	0.119	5179.8	0.130	5669.5	531.8141328
US1834/CA1834	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32419666	-115.9958231	0.378	16472.3	0.378	16472.3	2100.848611
US1835/CA1835	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32649412	-115.9915213	0.135	5866.7	0.583	25404.4	2455.650219
US1836/CA1836	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32713023	-115.9909594	0.010	436.9	0.010	436.9	34.34945916
US1837/CA1837	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32766542	-115.9895733	0.141	6126.4	0.141	6126.4	863.9853885
US1838/CA1838	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32799044	-115.9894532	0.036	1574.4	0.036	1574.3	338.2604133
US1839/CA1839	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32843842	-115.9884295	0.087	3796.9	0.087	3796.9	760.8204199
US1840/CA1840	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32828265	-115.9882334	0.005	219.5	0.005	219.5	206.4580537
US1841/CA1841	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32868876	-115.9877287	0.039	1684.1	0.042	1828.0	533.3373652
US1842/CA1842	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.32967237	-115.9860895	0.307	13369.0	0.316	13765.5	904.86356
US1843/CA1843	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3297338	-115.9856647	0.014	590.6	0.020	877.8	286.0034949
US1844/CA1844	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33018184	-115.9852568	0.005	230.0	0.008	343.3	111.2568197
US1845/CA1845	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33038345	-115.9848885	0.006	268.8	0.006	268.8	127.8360653
US1846/CA1846	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33055083	-115.9844852	0.080	3502.7	0.099	4322.6	274.5650807
US1847/CA1847	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33107055	-115.9835237	0.017	743.8	0.017	743.8	222.3327827
US1848/CA1848	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33144122	-115.9833697	0.006	282.9	0.006	282.8	93.31757198
US1849/CA1849	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33148827	-115.9829379	0.160	6958.7	0.160	6958.7	343.8423261
US1850/CA1850	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.331826	-115.982566	0.003	123.5	0.003	123.5	115.5438974

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US1851/CA1851	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33186257	-115.9821095	0.215	9356.2	0.241	10478.3	1129.269118
US1852/CA1852	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33244446	-115.981232	0.137	5951.1	0.160	6954.1	537.2427302
US1853/CA1853	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33271887	-115.980588	0.029	1257.2	0.037	1620.5	176.6379755
US1854/CA1854	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3330138	-115.9802092	0.208	9060.3	0.239	10410.3	747.3105305
US1855/CA1855	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33365494	-115.9794771	0.006	266.2	0.008	330.8	59.01637415
US1856/CA1856	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3335756	-115.9791575	0.096	4161.9	0.110	4784.6	638.8249789
US1857/CA1857	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33389595	-115.9785253	0.041	1800.4	0.045	1940.0	122.9637251
US1858/CA1858	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33413554	-115.9780364	0.152	6604.4	0.165	7204.2	659.9788783
US1859/CA1859	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33437508	-115.9780915	0.172	7480.0	0.185	8069.2	587.021356
US1860/CA1860	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33471975	-115.9771655	0.041	1792.4	0.054	2347.7	266.5359941
US1861/CA1861	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33497442	-115.9766877	0.157	6847.0	0.166	7220.6	400.9787342
US1862/CA1862	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33545214	-115.9759557	0.118	5159.8	0.136	5924.1	792.5839516
US1863/CA1863	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33595596	-115.9750319	0.333	14521.7	0.398	17324.3	1038.251705
US1864/CA1864	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33661055	-115.9742813	0.013	565.2	0.018	772.4	98.69323939
US1865/CA1865	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33673986	-115.9736621	0.014	604.2	0.440	19178.7	308.2163657
US1866/CA1866	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3370194	-115.9731958	0.082	3550.2	0.082	3550.2	407.8741415
US1867/CA1867	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33751096	-115.9727106	0.001	32.8	0.001	32.8	30.39607311
US1868/CA1868	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33746531	-115.9723691	0.104	4515.9	0.104	4515.9	676.0617977
US1869/CA1869	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3379096	-115.971989	0.034	1479.8	0.042	1826.6	168.815408
US1870/CA1870	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33775218	-115.9716205	0.077	3348.3	0.077	3348.3	261.6074341
US1871/CA1871	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33813793	-115.971452	0.146	6370.8	0.169	7340.3	663.355121
US1872/CA1872	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33793119	-115.9711917	0.007	306.1	0.009	383.8	75.41914937
US1873/CA1873	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33834924	-115.9710051	0.130	5679.2	0.130	5679.2	497.4164285
US1874/CA1874	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33813399	-115.9708768	0.048	2091.0	0.048	2091.0	119.0561016
US1875/CA1875	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33857031	-115.9706833	0.004	155.9	0.004	155.9	146.6446871
US1876/CA1876	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33864046	-115.9703449	0.074	3227.4	0.093	4061.7	912.605683
US1877/CA1877	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33884796	-115.9698625	0.015	659.3	0.015	659.3	154.2858112
US1878/CA1878	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33908539	-115.9694363	0.070	3047.3	0.070	3047.3	745.3147525
US1879/CA1879	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.33990822	-115.9680848	0.280	12192.3	0.346	15053.3	2162.927774
US1880/CA1880	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34064883	-115.9672728	0.016	688.7	0.019	837.4	168.9654432
US1881/CA1881	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34040448	-115.9672656	0.001	32.0	0.001	64.3	65.01395208
US1882/CA1882	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34077403	-115.9669745	0.004	168.0	0.006	249.9	64.52134401
US1883/CA1883	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34076964	-115.9666087	0.033	1454.5	0.042	1817.8	435.8887828
US1884/CA1884	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34117461	-115.9662626	0.002	66.1	0.003	119.2	39.49687473
US1885/CA1885	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34123228	-115.9657906	0.103	4471.2	0.122	5335.7	928.0654012
US1886/CA1886	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34147877	-115.9652872	0.040	1720.9	0.048	2105.9	498.6624442
US1887/CA1887	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34189466	-115.9649593	0.004	189.1	0.006	252.8	79.85136941
US1888/CA1888	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34191443	-115.9645452	0.059	2563.4	0.068	2948.4	545.0230763
US1889/CA1889	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34236004	-115.963896	0.020	882.4	0.024	1056.4	240.3072748
US1890/CA1890	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34236524	-115.9635253	0.001	58.4	0.003	112.7	68.39904075
US1891/CA1891	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34257019	-115.9633577	0.010	425.9	0.013	565.2	172.5551089
US1892/CA1892	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34291328	-115.9628507	0.141	6158.0	0.161	6993.1	1121.602128
US1893/CA1893	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34323112	-115.9619487	0.005	225.8	0.006	275.4	61.61961473
US1894/CA1894	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34352409	-115.9619682	0.012	539.9	0.015	640.3	122.0152681
US1895/CA1895	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34392803	-115.9611679	0.155	6769.5	0.185	8046.4	1762.545369
US1896/CA1896	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34471168	-115.9595961	0.336	14624.3	0.391	17048.2	3146.265943
US1897/CA1897	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34713606	-115.9556116	1.084	47215.9	1.231	53618.3	3697.322331
US1898/CA1898	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34578682	-115.9575208	0.176	7682.4	0.198	8641.6	1019.229508
US1899/CA1899	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34628408	-115.9565766	0.033	1459.2	0.042	1831.7	180.6429553
US1900/CA1900	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34793412	-115.9536013	0.027	1168.7	0.031	1363.4	120.9770822

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US1901/CA1901	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34865547	-115.9524894	0.010	440.4	0.013	554.6	107.8392681
US1902/CA1902	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34907299	-115.9519503	0.074	3210.6	0.096	4177.1	611.057057
US1903/CA1903	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.34946805	-115.9511753	0.108	4700.5	0.292	12735.3	1021.321841
US1904/CA1904	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35002594	-115.9506432	0.045	1944.2	0.050	2182.1	273.8036191
US1905/CA1905	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3503189	-115.9497231	0.803	34981.0	0.860	37461.3	3178.364345
US1906/CA1906	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35087694	-115.9485588	0.009	406.5	0.012	521.7	115.3177352
US1907/CA1907	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3511917	-115.9482042	0.050	2175.2	0.060	2596.5	196.9350738
US1908/CA1908	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35129743	-115.9478989	0.160	6987.2	0.171	7435.8	212.2099077
US1909/CA1909	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3518536	-115.9474851	0.005	238.9	0.007	308.4	25.16404474
US1910/CA1910	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3517326	-115.9472558	0.077	3365.5	0.275	11980.5	472.5100049
US1911/CA1911	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35198444	-115.9472419	0.008	351.2	0.010	432.8	35.09703437
US1912/CA1912	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35196041	-115.9468568	0.032	1394.5	0.148	6451.1	188.489393
US1913/CA1913	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35235936	-115.9465853	0.011	493.2	0.152	6602.1	121.6270365
US1914/CA1914	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3522789	-115.9461945	0.154	6725.5	0.164	7155.3	456.6095257
US1915/CA1915	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35282956	-115.9452807	0.446	19434.9	0.469	20415.8	1144.028699
US1916/CA1916	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35284917	-115.9456676	0.043	1854.7	0.046	2012.5	170.9444007
US1917/CA1917	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35353943	-115.9444942	0.074	3225.8	0.088	3837.9	338.1790319
US1918/CA1918	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35347847	-115.94413	0.195	8484.5	0.225	9781.7	684.9127825
US1919/CA1919	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35361517	-115.9437448	0.023	996.2	0.030	1326.6	323.1272069
US1920/CA1920	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35405294	-115.9435569	0.051	2238.9	0.058	2508.2	216.7341189
US1921/CA1921	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35403555	-115.9431337	0.035	1543.2	0.048	2079.5	290.916059
US1922/CA1922	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35443072	-115.9429336	0.005	216.0	0.007	288.1	69.58693489
US1923/CA1923	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3544915	-115.9427599	0.004	170.2	0.005	228.2	54.50264217
US1924/CA1924	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35423264	-115.9426988	0.009	382.9	0.013	569.9	184.9387602
US1925/CA1925	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35490876	-115.9416879	0.657	28634.0	0.735	32037.0	1965.250645
US1926/CA1926	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3555124	-115.9405607	0.258	11217.1	0.298	12976.0	1012.277117
US1927/CA1927	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35577957	-115.9400162	0.073	3189.9	0.086	3730.8	250.6200475
US1928/CA1928	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35621138	-115.939764	0.035	1541.4	0.043	1888.7	210.9809243
US1929/CA1929	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35615393	-115.939494	0.066	2896.5	0.074	3244.8	354.5608947
US1930/CA1930	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35630594	-115.9391406	0.012	517.6	0.016	688.2	167.8547433
US1931/CA1931	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35647722	-115.9388993	0.069	2995.6	0.078	3415.8	201.0257806
US1932/CA1932	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35654066	-115.9386576	0.082	3567.3	0.091	3949.1	184.680511
US1933/CA1933	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3568477	-115.9386228	0.004	163.3	0.005	218.0	52.28145077
US1934/CA1934	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3570903	-115.937891	0.217	9444.8	0.240	10460.2	545.6967492
US1935/CA1935	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35734576	-115.9374231	0.020	882.8	0.076	3320.5	215.0442622
US1936/CA1936	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35738811	-115.9371946	0.019	810.9	0.093	4044.0	155.1351694
US1937/CA1937	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35757898	-115.9370405	0.050	2156.8	0.145	6319.1	251.6014848
US1938/CA1938	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35779051	-115.9366308	0.107	4645.3	0.371	16144.1	525.4279896
US1939/CA1939	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35804741	-115.9360971	0.073	3158.5	0.220	9596.8	307.1080835
US1940/CA1940	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35821843	-115.9358286	0.018	777.4	0.027	1160.2	190.5483899
US1941/CA1941	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35839522	-115.9355574	0.020	886.7	0.028	1235.9	175.4607857
US1942/CA1942	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35856242	-115.9352529	0.204	8896.4	0.211	9212.9	154.3536035
US1943/CA1943	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3588782	-115.934683	0.428	18622.5	0.439	19136.4	306.4692818
US1944/CA1944	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35905643	-115.9341769	0.007	283.4	0.011	472.3	91.38405634
US1945/CA1945	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35941634	-115.9337678	0.106	4599.9	0.144	6291.5	596.588968
US1946/CA1946	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35962693	-115.9332802	0.006	264.8	0.012	524.6	127.6969318
US1947/CA1947	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.35969826	-115.9330795	0.005	239.5	0.011	470.2	116.3098
US1948/CA1948	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3598887	-115.9328782	0.010	423.1	0.021	899.0	241.3272663
US1949/CA1949	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36001776	-115.9327041	0.012	507.7	0.019	839.2	165.8995221
US1950/CA1950	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3602876	-115.9322524	0.094	4088.9	0.126	5507.5	758.9238926

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US1951/CA1951	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36059584	-115.9317081	0.064	2808.6	0.083	3614.3	274.6687395
US1952/CA1952	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36078547	-115.931338	0.009	371.1	0.013	551.3	180.153947
US1953/CA1953	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36073187	-115.9311068	0.001	40.5	0.003	118.8	38.22450608
US1954/CA1954	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36089726	-115.9310321	0.003	126.8	0.006	246.9	118.9269112
US1955/CA1955	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36102224	-115.9309358	0.004	168.6	0.008	327.4	158.8886814
US1956/CA1956	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36114763	-115.9307948	0.019	829.3	0.024	1036.3	216.9032835
US1957/CA1957	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3612454	-115.9305325	0.130	5684.2	0.141	6155.2	262.8869733
US1958/CA1958	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36138887	-115.9302846	0.063	2744.2	0.069	2995.0	265.8548488
US1959/CA1959	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36128615	-115.9301035	0.001	47.2	0.002	92.6	44.47311757
US1960/CA1960	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36153396	-115.930032	0.004	181.4	0.012	522.6	170.6658589
US1961/CA1961	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36172671	-115.9297204	0.010	418.6	0.019	828.2	201.3384232
US1962/CA1962	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3619271	-115.9295247	0.005	198.4	0.007	294.7	94.13735788
US1963/CA1963	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36188718	-115.929403	0.012	509.6	0.016	676.0	165.7869167
US1964/CA1964	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36203394	-115.9291603	0.016	682.5	0.031	1339.5	330.9529953
US1965/CA1965	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36229213	-115.9287093	0.252	10992.8	0.267	11636.5	370.7851202
US1966/CA1966	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36238895	-115.9282467	0.002	76.3	0.003	148.8	71.42514711
US1967/CA1967	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3626329	-115.9281435	0.022	978.4	0.028	1209.2	255.6922762
US1968/CA1968	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36273296	-115.9278488	0.054	2330.7	0.065	2851.0	364.5910639
US1969/CA1969	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36306702	-115.9274477	0.019	825.3	0.027	1156.1	337.3080736
US1970/CA1970	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36295361	-115.9272358	0.003	120.1	0.004	179.6	57.47048744
US1971/CA1971	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36329314	-115.927138	0.010	430.9	0.014	597.3	167.1535691
US1972/CA1972	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36309738	-115.926966	0.011	499.9	0.013	554.4	50.13310354
US1973/CA1973	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36333537	-115.9270501	0.002	92.2	0.004	179.9	86.52400226
US1974/CA1974	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36352101	-115.9267418	0.010	448.4	0.014	624.7	181.5491532
US1975/CA1975	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36331785	-115.9265708	0.003	133.7	0.004	179.0	42.51782798
US1976/CA1976	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36354984	-115.9266077	0.011	461.3	0.014	629.0	168.5653233
US1977/CA1977	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36388282	-115.9261101	0.183	7984.9	0.428	18645.4	450.6685562
US1978/CA1978	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36352906	-115.9261769	0.013	580.0	0.014	624.7	35.77881495
US1979/CA1979	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36363862	-115.9259637	0.040	1743.0	0.041	1802.9	26.55567168
US1980/CA1980	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3637612	-115.9257379	0.001	48.4	0.002	73.7	23.96958435
US1981/CA1981	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36384319	-115.9255854	0.022	950.7	0.024	1024.2	69.95065335
US1982/CA1982	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36411863	-115.9255911	0.133	5808.4	0.146	6378.9	693.9905303
US1983/CA1983	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3642357	-115.9253402	0.008	333.0	0.011	495.5	160.7844388
US1984/CA1984	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36428502	-115.9251863	0.014	598.8	0.018	794.4	195.6782957
US1985/CA1985	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36441778	-115.9249466	0.073	3168.4	0.080	3488.6	343.0624426
US1986/CA1986	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36457965	-115.9243169	0.003	146.4	0.006	242.8	46.66177041
US1987/CA1987	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3648692	-115.9243275	0.011	496.7	0.017	736.2	240.6914312
US1988/CA1988	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3648656	-115.9238564	0.004	176.3	0.005	235.4	56.37214464
US1989/CA1989	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36511766	-115.9239211	0.036	1579.1	0.039	1689.4	100.2614658
US1990/CA1990	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36517734	-115.923722	0.021	925.4	0.024	1035.1	104.8831512
US1991/CA1991	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36500986	-115.9235763	0.004	183.4	0.005	230.7	43.6012085
US1992/CA1992	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36526208	-115.9235407	0.030	1319.9	0.035	1521.8	205.5613131
US1993/CA1993	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36542615	-115.9230802	0.068	2961.7	0.075	3263.5	352.8693914
US1994/CA1994	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36564279	-115.9228965	0.021	919.6	0.040	1731.9	459.9162949
US1995/CA1995	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36562734	-115.9226609	0.010	442.8	0.013	559.3	116.5688755
US1996/CA1996	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36581257	-115.9225542	0.040	1735.6	0.044	1927.7	216.6405144
US1997/CA1997	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36614509	-115.9217915	0.319	13900.6	0.351	15302.2	1726.964078
US1998/CA1998	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36631436	-115.9218937	0.004	182.1	0.008	343.2	175.3060314
US1999/CA1999	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36712671	-115.920512	0.016	717.5	0.032	1396.1	719.357526
US2000/CA2000	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.36903259	-115.9168284	2.736	119173.6	2.961	128964.5	5758.163279

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US2001/CA2001	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37088774	-115.9133082	0.058	2546.4	0.058	2546.3	367.5417717
US2002/CA2002	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37241725	-115.911235	0.111	4825.1	0.147	6382.6	438.9962326
US2003/CA2003	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37305245	-115.9097699	0.017	719.5	0.032	1396.1	674.5083157
US2004/CA2004	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37516201	-115.9062391	1.228	53488.6	1.253	54574.3	1495.197438
US2005/CA2005	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37486505	-115.9061855	0.008	343.0	0.009	407.5	64.31350234
US2006/CA2006	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37598368	-115.9043662	0.035	1524.0	0.064	2796.9	1301.019396
US2007/CA2007	Streambed - Vegetated	Ephemeral	Other Waters	1602	Riparian Scrub	35.37864448	-115.8998934	1.113	48464.6	3.942	171710.9	2997.964286
US2008/CA2008	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37983909	-115.8979012	0.018	788.9	0.034	1477.7	375.5799528
US2009/CA2009	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37971494	-115.8977129	0.003	126.9	0.008	367.8	118.3281514
US2010/CA2010	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.37999288	-115.8974832	0.038	1650.9	0.048	2074.1	445.8191391
US2011/CA2011	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.38012219	-115.8971353	0.022	957.2	0.028	1218.9	263.9976378
US2012/CA2012	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.38007485	-115.8968017	0.002	74.7	0.003	145.9	69.96543518
US2013/CA2013	Streambed - Vegetated	Ephemeral	Other Waters	1602	Riparian Scrub	35.38039449	-115.8964278	0.575	25060.1	0.631	27503.5	1677.104464
US2014/CA2014	Streambed - Vegetated	Ephemeral	Other Waters	1602	Riparian Scrub	35.3807198	-115.8940821	0.766	33375.7	1.053	45886.8	2814.874216
US2015/CA2015	Streambed - Vegetated	Ephemeral	Other Waters	1602	Riparian Scrub	35.38123279	-115.8923852	0.067	2926.3	0.089	3873.6	497.4341419
US2016/CA2016	Streambed - Vegetated	Ephemeral	Other Waters	1602	Riparian Scrub	35.38196739	-115.8882077	5.546	241592.1	6.143	267580.6	3680.47875
US2017/CA2017	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3831104	-115.8829289	0.923	40194.6	1.287	56068.3	1066.249006
US2018/CA2018	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3841822	-115.8776299	0.095	4136.0	0.105	4577.4	206.7166959
US2019/CA2019	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.38462775	-115.8746329	0.002	82.5	0.004	161.1	77.33725439
US2020/CA2020	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.38471052	-115.8739817	0.001	29.9	0.001	58.9	27.75036414
US2021/CA2021	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.38507163	-115.8728305	0.147	6412.9	0.147	6412.9	840.6995503
US2022/CA2022	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.38564634	-115.8712159	0.011	486.0	0.013	557.9	69.27000321
US2023/CA2023	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.38566896	-115.8710985	0.003	142.5	0.005	212.0	68.49888879
US2024/CA2024	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.38714992	-115.8657002	0.010	439.2	0.028	1210.5	401.7111669
US2025/CA2025	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3876095	-115.8644227	0.928	40412.5	0.970	42234.3	1790.327475
US2026/CA2026	Streambed - Vegetated	Ephemeral	Other Waters	1602	Riparian Scrub	35.38903985	-115.8597167	1.647	71764.4	1.914	83363.4	5004.422443
US2027/CA2027	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39038777	-115.8560399	0.009	382.1	0.013	565.6	185.871853
US2028/CA2028	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39053433	-115.8555101	0.014	608.6	0.018	805.6	199.9366063
US2029/CA2029	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39081252	-115.8546928	0.009	372.8	0.013	546.3	173.3528276
US2030/CA2030	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39094409	-115.8541353	0.011	485.1	0.022	959.5	158.5955089
US2031/CA2031	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39102278	-115.8537733	0.023	998.7	0.034	1500.9	326.696306
US2032/CA2032	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39109687	-115.8532761	0.012	526.0	0.024	1035.1	171.763873
US2033/CA2033	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39115422	-115.8529584	0.023	1007.0	0.031	1337.6	166.5332576
US2034/CA2034	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39114837	-115.8525275	0.003	121.3	0.005	234.0	111.9499674
US2035/CA2035	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39125985	-115.8522015	0.010	420.8	0.017	749.2	395.3094457
US2036/CA2036	Streambed - Vegetated	Ephemeral	Other Waters	1602	Riparian Scrub	35.39132907	-115.85181	0.119	5201.3	0.119	5201.3	382.8836659
US2037/CA2037	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39148873	-115.8511285	0.016	704.4	0.024	1050.3	173.8546581
US2038/CA2038	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.39173346	-115.8496739	0.080	3490.3	0.340	14803.3	836.4128046
US2039/CA2039	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.39210723	-115.8473461	0.701	30529.6	1.156	50357.0	1450.715784
US2040/CA2040	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39259549	-115.84471	0.018	772.0	0.021	915.1	153.2826739
US2041/CA2041	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39266953	-115.8442618	0.018	783.5	0.027	1160.0	379.7539968
US2042/CA2042	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.39267586	-115.8439137	0.001	54.3	0.002	107.1	50.3400865
US2043/CA2043	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.39290816	-115.8435042	0.040	1734.6	0.066	2896.1	505.6081387
US2044/CA2044	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39275005	-115.8431533	0.002	81.7	0.004	159.3	76.44038379
US2045/CA2045	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39305988	-115.842164	0.076	3291.8	0.095	4136.2	435.9992949
US2046/CA2046	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39316056	-115.8412012	0.004	161.4	0.007	314.4	153.981092
US2047/CA2047	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39338783	-115.8403526	0.163	7098.2	0.185	8072.2	1013.856276
US2048/CA2048	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3936294	-115.8391284	0.074	3220.9	0.118	5149.1	527.4256674
US2049/CA2049	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39386101	-115.8374503	0.036	1564.4	0.049	2153.0	199.1331678
US2050/CA2050	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39405533	-115.8367815	0.079	3423.7	0.087	3786.9	177.3024061

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US2051/CA2051	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39407952	-115.8362716	0.051	2212.3	0.060	2617.3	189.1950229
US2052/CA2052	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39412534	-115.8358891	0.050	2159.8	0.065	2845.6	222.1383281
US2053/CA2053	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39429571	-115.8354828	0.101	4411.7	0.111	4842.9	205.0825804
US2054/CA2054	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39434722	-115.8346852	0.060	2592.4	0.279	12140.5	595.1748096
US2055/CA2055	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39449417	-115.8340546	0.020	889.2	0.087	3778.9	149.3820837
US2056/CA2056	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39464836	-115.8331758	0.150	6536.2	1.092	47548.6	580.5199381
US2057/CA2057	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3947645	-115.8326323	0.032	1410.2	0.401	17460.2	505.7636988
US2058/CA2058	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39488444	-115.8318265	0.045	1939.8	0.141	6141.9	158.7822129
US2059/CA2059	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39495759	-115.8315496	0.055	2395.2	0.059	2549.5	151.784771
US2060/CA2060	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39494327	-115.8313171	0.004	169.1	0.004	169.1	80.50368888
US2061/CA2061	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39501099	-115.830618	0.024	1059.1	0.031	1363.3	147.7351868
US2062/CA2062	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39526517	-115.8301009	0.027	1166.7	0.035	1521.2	175.1895123
US2063/CA2063	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39548463	-115.8295887	0.063	2757.4	0.082	3585.6	419.0961453
US2064/CA2064	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39568092	-115.8291764	0.129	5611.9	0.138	6015.6	183.551772
US2065/CA2065	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39582664	-115.8285753	0.109	4749.9	0.138	5997.8	649.2925562
US2066/CA2066	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39592884	-115.8281196	0.056	2437.0	0.072	3132.5	366.4743456
US2067/CA2067	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39640312	-115.8269137	0.329	14314.0	0.388	16905.0	1387.725992
US2068/CA2068	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39687942	-115.8251892	1.121	48810.6	1.162	50629.4	2441.866594
US2069/CA2069	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39769831	-115.822763	0.126	5500.4	0.162	7054.0	799.7646243
US2070/CA2070	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39807242	-115.821966	0.094	4108.5	0.107	4654.0	287.350658
US2071/CA2071	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39816829	-115.8215512	0.076	3309.1	0.092	3989.4	356.5871051
US2072/CA2072	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39823633	-115.8211679	0.034	1495.3	0.039	1702.3	205.0135343
US2073/CA2073	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39848265	-115.8205479	0.284	12374.5	0.300	13081.5	724.5143483
US2074/CA2074	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3986544	-115.8199152	0.203	8849.2	0.207	9029.2	164.1212118
US2075/CA2075	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.3990749	-115.8187426	0.239	10401.6	0.247	10769.3	432.830977
US2076/CA2076	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39933686	-115.8178722	0.248	10808.3	0.366	15938.5	1468.784753
US2077/CA2077	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39968623	-115.8168437	0.243	10585.0	0.282	12291.8	531.215621
US2078/CA2078	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.39987435	-115.8161412	0.113	4923.7	0.139	6035.3	378.5128775
US2079/CA2079	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40015948	-115.8152412	0.054	2370.8	0.080	3473.3	380.7991401
US2080/CA2080	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4003228	-115.8147932	0.047	2067.5	0.066	2888.1	298.3085522
US2081/CA2081	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40055421	-115.8141014	0.281	12248.6	0.337	14662.8	1350.597835
US2082/CA2082	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40108057	-115.8125813	0.287	12497.2	0.311	13538.0	631.2044462
US2083/CA2083	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40138375	-115.8120246	0.076	3311.8	0.082	3583.5	322.3707274
US2084/CA2084	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40135637	-115.8114857	0.166	7233.0	0.179	7795.0	559.9899909
US2085/CA2085	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40158692	-115.8110753	0.144	6284.6	0.152	6626.4	439.8558119
US2086/CA2086	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40166829	-115.8105834	0.078	3411.9	0.085	3702.6	272.7322854
US2087/CA2087	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4018901	-115.8099837	0.160	6961.2	0.170	7397.3	475.8919184
US2088/CA2088	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40227293	-115.808895	0.145	6309.1	0.170	7410.9	323.3812034
US2089/CA2089	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40255592	-115.8080426	0.225	9804.0	0.290	12629.5	654.9099502
US2090/CA2090	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40276091	-115.8071601	0.023	989.6	0.029	1256.2	118.7111727
US2091/CA2091	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40288682	-115.8069988	0.022	941.4	0.026	1136.4	185.0230939
US2092/CA2092	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40304591	-115.8066377	0.046	2017.5	0.064	2790.5	420.9313871
US2093/CA2093	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40301003	-115.8063495	0.019	833.0	0.023	1022.0	202.7123861
US2094/CA2094	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40360816	-115.8049115	0.071	3114.3	0.093	4056.5	498.0902368
US2095/CA2095	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Chaparral	35.40424275	-115.8030409	0.330	14383.3	0.377	16413.6	1139.566523
US2096/CA2096	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40465574	-115.8022205	0.181	7883.0	0.185	8071.7	168.8046713
US2097/CA2097	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40482807	-115.8017918	0.097	4221.9	0.102	4447.6	209.1374279
US2098/CA2098	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40494411	-115.8012398	0.032	1401.3	0.037	1598.4	195.9400996
US2099/CA2099	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40523197	-115.8007039	0.242	10538.8	0.257	11214.2	768.2073969
US2100/CA2100	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40546213	-115.8001685	0.010	452.6	0.010	452.6	434.1879584

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US2101/CA2101	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4060224	-115.7989374	0.177	7719.2	0.201	8776.0	412.1679193
US2102/CA2102	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40605883	-115.7986365	0.012	517.9	0.015	670.5	161.227999
US2103/CA2103	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40618239	-115.7982789	0.013	571.0	0.026	1116.8	265.1037481
US2104/CA2104	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40650135	-115.7977456	0.014	612.3	0.018	765.7	165.946418
US2105/CA2105	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40677907	-115.7967889	0.009	379.3	0.015	632.2	160.755376
US2106/CA2106	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40734292	-115.7958527	0.023	990.0	0.029	1268.6	293.8151542
US2107/CA2107	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40769409	-115.794802	0.032	1381.8	0.037	1622.7	245.3049242
US2108/CA2108	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40828726	-115.7934971	0.034	1473.2	0.039	1693.8	214.6040587
US2109/CA2109	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40864877	-115.7925294	0.027	1193.8	0.034	1489.4	153.5697267
US2110/CA2110	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40893622	-115.7914782	0.076	3291.9	0.076	3291.9	1764.511576
US2111/CA2111	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.40995252	-115.7890798	0.006	265.1	0.006	265.1	249.1012877
US2112/CA2112	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41196107	-115.7838395	0.040	1751.5	0.153	6679.9	413.412094
US2113/CA2113	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41224039	-115.7831441	0.025	1068.5	0.034	1481.1	434.4189015
US2114/CA2114	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41283477	-115.7819609	0.018	788.0	0.021	911.6	122.6706419
US2115/CA2115	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41346293	-115.7799275	0.013	571.1	0.013	571.1	529.0061612
US2116/CA2116	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.4159683	-115.7732211	0.017	748.4	0.027	1167.7	408.2969856
US2117/CA2117	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.41631074	-115.772284	0.019	830.4	0.029	1272.9	496.9936688
US2118/CA2118	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41731148	-115.7700854	0.033	1456.7	0.044	1929.8	557.9132507
US2119/CA2119	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41796857	-115.7682865	0.003	121.9	0.005	237.3	114.4910425
US2120/CA2120	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.41864627	-115.7660497	0.082	3583.5	0.107	4680.4	607.6387873
US2121/CA2121	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.41967145	-115.7634697	0.459	19998.3	0.510	22209.7	1294.146508
US2122/CA2122	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.42027965	-115.7616088	0.002	94.5	0.003	136.6	81.96660055
US2123/CA2123	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.42099105	-115.7599071	0.186	8100.3	0.349	15209.8	755.0898974
US2124/CA2124	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.42231806	-115.7568115	0.153	6644.8	0.204	8896.1	821.4401771
US2125/CA2125	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.42359382	-115.753624	0.003	128.6	0.006	252.5	120.8575587
US2126/CA2126	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.42359355	-115.7531504	0.007	313.0	0.011	464.8	151.8184604
US2127/CA2127	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4242928	-115.7511249	0.144	6258.1	0.163	7082.3	850.6216256
US2128/CA2128	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.42692515	-115.7446541	0.016	687.2	0.032	1399.5	549.7570381
US2129/CA2129	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.42819824	-115.741177	0.133	5812.5	0.133	5812.6	326.5786603
US2130/CA2130	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.42983282	-115.7367144	0.033	1416.7	0.036	1581.2	162.5241067
US2131/CA2131	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43127401	-115.7330235	0.071	3097.0	0.071	3096.9	286.0454311
US2132/CA2132	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43905586	-115.7125502	0.108	4703.6	0.191	8325.3	444.2292992
US2133/CA2133	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.43926357	-115.7118353	0.018	777.1	0.106	4608.1	182.837771
US2134/CA2134	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44134589	-115.7063101	0.062	2699.6	0.070	3047.8	348.3886982
US2135/CA2135	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4427087	-115.702788	0.126	5484.4	0.706	30749.4	183.8831752
US2136/CA2136	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44506594	-115.6978215	0.039	1716.5	0.065	2838.3	556.8094268
US2137/CA2137	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44555152	-115.6967487	0.030	1313.4	0.096	4173.6	162.7454641
US2138/CA2138	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44568515	-115.6965089	0.115	4990.6	0.134	5843.9	501.4070512
US2139/CA2139	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44597375	-115.6959303	0.015	635.4	0.015	635.4	156.3855558
US2140/CA2140	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44743628	-115.6930379	0.013	552.8	0.013	552.8	180.052176
US2141/CA2141	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44798256	-115.6918043	0.016	700.3	0.016	700.3	172.374614
US2142/CA2142	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4488479	-115.6900689	0.031	1346.6	0.031	1346.6	341.1386279
US2143/CA2143	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4490136	-115.6896678	0.114	4962.4	0.120	5205.5	274.9831039
US2144/CA2144	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.44953803	-115.6885205	0.115	5021.5	1.381	60160.1	1179.299238
US2145/CA2145	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45332025	-115.6809358	0.021	900.5	0.024	1048.3	139.9216341
US2146/CA2146	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45410269	-115.678862	0.007	287.2	0.010	446.6	85.18505193
US2147/CA2147	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45419175	-115.6786631	0.019	818.0	0.027	1176.8	95.76527315
US2148/CA2148	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45472133	-115.6784113	0.016	710.3	0.026	1114.2	39.21256506
US2149/CA2149	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45497948	-115.6774264	0.033	1439.0	0.072	3133.5	320.1327248
US2150/CA2150	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45517983	-115.6768586	0.055	2408.8	0.055	2408.8	716.3656979

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US2151/CA2151	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45581018	-115.6757337	0.144	6277.5	0.144	6277.5	2036.269058
US2152/CA2152	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45559917	-115.6756785	0.005	214.4	0.012	511.0	49.21915903
US2153/CA2153	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45570656	-115.6754632	0.008	337.1	0.008	337.2	97.98068088
US2154/CA2154	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45581289	-115.6752421	0.002	92.9	0.002	93.0	28.63756264
US2155/CA2155	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45639653	-115.6746297	0.063	2735.4	0.111	4835.1	436.3875102
US2156/CA2156	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45652024	-115.6745619	0.010	432.0	0.010	432.0	141.7167645
US2157/CA2157	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45735768	-115.6723914	0.021	896.2	0.029	1263.6	204.9597398
US2158/CA2158	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45761826	-115.6715603	0.004	194.2	0.008	358.3	89.19502318
US2159/CA2159	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45817386	-115.6706262	0.094	4086.5	0.127	5520.2	502.5528944
US2160/CA2160	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.458555	-115.6701319	0.012	525.2	0.015	660.3	131.2556374
US2161/CA2161	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4588723	-115.66934	0.097	4214.8	0.114	4970.8	780.5677922
US2162/CA2162	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46094214	-115.6653713	0.022	964.1	0.028	1217.2	273.5442748
US2163/CA2163	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46080444	-115.6649438	0.005	230.9	0.005	230.9	74.45391989
US2164/CA2164	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4630566	-115.6608383	1.010	43986.3	1.110	48345.8	2233.027677
US2165/CA2165	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46512788	-115.6560755	0.066	2881.9	0.075	3264.0	238.4743831
US2166/CA2166	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46608279	-115.6544513	0.121	5261.3	0.139	6042.8	770.2595933
US2167/CA2167	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46727418	-115.6523658	0.006	272.0	0.008	354.4	84.02256598
US2168/CA2168	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46789466	-115.6504392	0.026	1129.3	0.033	1418.4	134.6714282
US2169/CA2169	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46880952	-115.6491174	0.166	7225.9	0.211	9211.6	986.5907723
US2170/CA2170	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47022309	-115.6461524	0.222	9677.8	0.246	10696.4	1083.620182
US2171/CA2171	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47061133	-115.6448185	0.050	2191.6	0.055	2407.7	224.8347428
US2172/CA2172	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47103659	-115.6445581	0.075	3286.5	0.080	3486.5	239.8355622
US2173/CA2173	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47216325	-115.6418924	0.877	38212.7	1.032	44955.0	3656.909577
US2174/CA2174	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47144362	-115.643895	0.006	248.6	0.006	248.6	59.56806187
US2175/CA2175	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47397609	-115.63857	0.050	2183.2	0.063	2740.0	193.8934728
US2176/CA2176	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47428932	-115.6376274	0.115	4990.6	0.142	6202.7	622.7688517
US2177/CA2177	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47529645	-115.635374	0.335	14575.0	0.412	17962.1	1181.666545
US2178/CA2178	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4761814	-115.6333839	0.020	882.4	0.020	882.4	216.2152591
US2179/CA2179	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47639941	-115.6336333	0.054	2331.5	0.059	2580.0	238.6116437
US2180/CA2180	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4769986	-115.6322257	0.494	21521.8	0.920	40071.7	1653.195778
US2181/CA2181	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47899391	-115.6283427	0.005	229.7	0.007	291.4	34.1968102
US2182/CA2182	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.47929638	-115.6273126	0.050	2178.4	0.060	2633.8	471.5939334
US2183/CA2183	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48009015	-115.6258129	0.081	3537.8	0.100	4358.9	401.072299
US2184/CA2184	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48037223	-115.6251048	0.226	9856.2	0.303	13187.1	332.7586279
US2185/CA2185	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48095662	-115.6237516	0.472	20579.0	0.512	22303.1	354.3197807
US2186/CA2186	Streambed - Vegetated	Intermittent	Other Waters	1602	Scrub-Shrub	35.48198299	-115.6218541	0.044	1899.7	0.826	35961.8	388.1780718
US2187/CA2187	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48369545	-115.6181961	4.395	191433.5	4.561	198678.9	2646.240127
US2188/CA2188	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48492473	-115.6152097	0.003	151.0	0.007	294.2	141.650445
US2189/CA2189	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48579619	-115.6131671	0.002	104.4	0.005	203.9	98.28417426
US2190/CA2190	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48610005	-115.6117993	0.044	1912.1	0.242	10544.1	353.173703
US2191/CA2191	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Anthropogenic/Distbd	35.48625054	-115.6109753	0.079	3445.9	0.510	22225.2	416.5923656
US2192/CA2192	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48660452	-115.6095417	0.240	10457.9	0.283	12332.1	426.2994916
US2193/CA2193	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48769387	-115.6053394	0.155	6757.2	0.262	11404.0	290.0746806
US2194/CA2194	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48893868	-115.6009998	0.092	4020.3	0.110	4779.0	361.2115926
US2195/CA2195	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.48933057	-115.5991658	0.228	9928.8	0.288	12526.8	241.7994952
US2196/CA2196	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49013252	-115.5962007	0.054	2345.9	0.082	3581.8	230.3718197
US2197/CA2197	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49058058	-115.5944374	0.048	2087.1	0.075	3259.6	185.0259523
US2198/CA2198	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49067716	-115.5940124	0.032	1410.9	0.037	1615.1	191.5880748
US2199/CA2199	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49148521	-115.5910748	0.414	18026.9	0.433	18875.2	152.9978679
US2200/CA2200	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.49197381	-115.5891387	1.165	50738.4	1.482	64566.8	1405.394453

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US2201/CA2201	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4935623	-115.5828572	0.003	149.9	0.009	393.6	95.35718007
US2202/CA2202	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.49377339	-115.5823814	0.041	1776.1	0.045	1946.9	156.1715792
US2203/CA2203	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49433596	-115.5802217	2.052	89371.7	2.236	97412.4	1651.349685
US2204/CA2204	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49464647	-115.5785909	0.014	598.8	0.021	917.9	96.95022549
US2205/CA2205	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.49511206	-115.5773729	0.120	5245.4	0.131	5714.1	466.5194292
US2206/CA2206	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49533751	-115.5763906	0.024	1058.9	0.039	1681.8	209.4126921
US2207/CA2207	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49559879	-115.5754761	0.017	745.1	0.030	1328.5	318.7642945
US2208/CA2208	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.4958136	-115.5745925	0.012	507.0	0.088	3847.0	256.1210249
US2209/CA2209	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.49622731	-115.5730217	0.083	3599.4	0.093	4060.0	219.5820162
US2210/CA2210	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.49636044	-115.5719178	0.015	650.3	0.017	746.0	41.35559133
US2211/CA2211	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.4966509	-115.5717734	0.017	746.5	0.029	1267.7	262.3579367
US2212/CA2212	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49668193	-115.5709068	0.002	98.1	0.006	281.1	90.29712118
US2213/CA2213	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49701284	-115.5701262	0.021	922.2	0.103	4482.7	187.4540056
US2214/CA2214	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49729449	-115.569031	0.039	1681.1	0.055	2383.9	357.411466
US2215/CA2215	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.4976417	-115.5676292	0.061	2675.4	0.065	2840.7	152.845077
US2216/CA2216	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49783596	-115.5666287	0.036	1586.2	0.056	2427.4	457.737785
US2217/CA2217	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.49805859	-115.5653208	0.001	29.1	0.001	44.5	13.34948934
US2218/CA2218	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.49862055	-115.5639422	0.043	1880.8	0.051	2239.4	360.1810691
US2219/CA2219	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49883006	-115.5631772	0.020	862.5	0.038	1653.8	225.452029
US2220/CA2220	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49927642	-115.5614661	0.013	561.9	0.029	1279.8	182.8953909
US2221/CA2221	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.49959354	-115.5602927	0.044	1903.0	0.047	2066.3	159.1897372
US2222/CA2222	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.49968484	-115.5598622	0.005	218.6	0.010	423.8	205.7896688
US2223/CA2223	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.49998278	-115.5587967	0.017	760.1	0.029	1265.1	153.3534756
US2224/CA2224	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50026763	-115.5576311	0.013	549.6	0.017	726.4	178.786084
US2225/CA2225	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.50051018	-115.5567764	0.053	2330.4	0.057	2498.0	162.8777618
US2226/CA2226	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.50055646	-115.5562014	0.004	190.1	0.006	283.0	91.05171798
US2227/CA2227	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.50084076	-115.556249	0.001	26.3	0.001	47.6	7.419948171
US2228/CA2228	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50074424	-115.5559026	0.057	2493.7	0.089	3867.8	383.4518335
US2229/CA2229	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50106848	-115.5545364	0.099	4292.4	0.126	5488.3	404.1680866
US2230/CA2230	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50153611	-115.5527493	0.015	657.0	0.018	795.4	136.0434099
US2231/CA2231	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5017419	-115.5517172	0.007	315.1	0.012	533.5	145.7222958
US2232/CA2232	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50169321	-115.5514183	0.001	33.1	0.002	66.0	30.3888514
US2233/CA2233	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.50211069	-115.5504224	0.128	5586.3	0.153	6670.8	1092.895431
US2234/CA2234	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50272144	-115.5483074	0.020	868.5	0.034	1472.9	202.0813774
US2235/CA2235	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.50338344	-115.5463532	0.101	4405.4	0.124	5385.0	523.6758479
US2236/CA2236	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50358352	-115.5461004	0.018	777.5	0.025	1076.7	29.84958325
US2237/CA2237	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.50375812	-115.544997	0.010	454.3	0.014	603.9	147.1236043
US2238/CA2238	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50379701	-115.544718	0.009	392.8	0.015	648.3	128.0935986
US2239/CA2239	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50428406	-115.5441356	0.006	254.6	0.011	499.1	120.5728966
US2240/CA2240	Streambed - Vegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.50451321	-115.5424355	0.001	45.9	0.003	134.8	42.84130124
US2241/CA2241	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.50456276	-115.5423224	0.001	37.9	0.002	74.3	35.28351181
US2242/CA2242	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Forest/Woodland	35.50463528	-115.5419862	0.002	104.8	0.004	156.6	50.14037843
US2243/CA2243	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Riparian Scrub	35.5079475	-115.5324959	1.497	65211.3	8.125	353942.5	2540.011128
US2244/CA2244	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50841388	-115.5244003	0.076	3319.4	0.543	23656.3	334.2609959
US2245/CA2245	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50856454	-115.522006	0.002	78.7	0.004	152.8	72.59291673
US2246/CA2246	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50843725	-115.5207332	0.011	464.4	0.021	916.3	271.8521278
US2247/CA2247	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50855611	-115.5201613	0.002	75.4	0.003	145.1	68.73049258
US2248/CA2248	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50843662	-115.5187951	0.139	6073.9	0.139	6073.9	398.8107569
US2249/CA2249	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50845261	-115.5179046	0.015	637.1	0.029	1254.9	309.1848648
US2250/CA2250	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50848407	-115.5161688	0.106	4596.7	0.303	13200.3	720.0032668

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US2251/CA2251	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5082789	-115.5146317	0.024	1063.8	0.036	1574.0	517.9451149
US2252/CA2252	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50855472	-115.5124013	0.039	1711.6	0.298	13001.8	430.4456958
US2253/CA2253	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50830159	-115.512553	0.004	184.7	0.006	275.3	88.23906606
US2254/CA2254	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.50799739	-115.5112137	0.128	5562.5	0.938	40877.7	1257.091589
US2255/CA2255	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5085615	-115.5107851	0.008	366.9	0.014	613.2	186.2220357
US2256/CA2256	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5101202	-115.5088888	0.164	7139.0	0.697	30365.0	1891.054982
US2257/CA2257	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51183409	-115.5070259	0.007	303.2	0.014	592.4	280.7268848
US2258/CA2258	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51217529	-115.5063454	0.027	1170.0	0.212	9233.7	354.0022788
US2259/CA2259	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51387424	-115.5041633	0.020	864.2	0.024	1033.4	165.0864339
US2260/CA2260	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5140194	-115.5037494	0.003	134.8	0.003	134.8	62.81133355
US2261/CA2261	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51420759	-115.5038543	0.083	3605.5	0.100	4343.0	233.8298567
US2262/CA2262	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51465983	-115.5031307	0.315	13710.5	0.863	37573.0	1127.818368
US2263/CA2263	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51549958	-115.5019205	0.008	363.3	0.011	461.7	97.32382735
US2264/CA2264	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51562798	-115.5017662	0.004	170.0	0.004	170.0	54.55562209
US2265/CA2265	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51576908	-115.5015707	0.008	363.9	0.011	473.9	51.4336218
US2266/CA2266	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51594423	-115.5013688	0.005	215.1	0.007	309.5	53.92372186
US2267/CA2267	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51667314	-115.5006745	0.589	25647.8	1.003	43703.4	704.029627
US2268/CA2268	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51724601	-115.4998514	0.012	523.2	0.016	695.4	179.0617114
US2269/CA2269	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51826758	-115.4986386	0.018	786.6	0.022	958.7	166.3550501
US2270/CA2270	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51894996	-115.4977952	0.072	3150.5	0.338	14711.9	302.9142719
US2271/CA2271	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51954342	-115.49725	0.028	1206.0	0.035	1531.2	104.5800866
US2272/CA2272	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.51977298	-115.4967676	0.059	2577.2	0.098	4280.1	194.8366746
US2273/CA2273	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52033326	-115.4959938	0.177	7690.9	0.226	9833.1	527.2929197
US2274/CA2274	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52068869	-115.4955653	0.072	3136.5	0.100	4359.1	440.3729442
US2275/CA2275	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5215892	-115.4944637	0.074	3221.8	0.082	3577.3	353.4352809
US2276/CA2276	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52205855	-115.4939683	0.005	225.5	0.005	225.5	210.8760969
US2277/CA2277	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5224476	-115.4933522	0.388	16913.1	0.400	17425.7	269.4802296
US2278/CA2278	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52286962	-115.492519	0.002	108.4	0.002	108.4	41.27188438
US2279/CA2279	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52385641	-115.491393	0.006	256.3	0.006	256.3	82.81034074
US2280/CA2280	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52424108	-115.4912934	0.027	1193.5	0.033	1434.1	236.6303733
US2281/CA2281	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5242969	-115.4907572	0.004	167.6	0.004	167.6	39.69926855
US2282/CA2282	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52488245	-115.4902891	0.343	14932.5	0.532	23165.9	846.0453287
US2283/CA2283	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52594231	-115.4889372	0.171	7442.2	0.210	9136.8	346.8670212
US2284/CA2284	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5263381	-115.4884287	0.164	7123.6	0.254	11061.6	264.1833141
US2285/CA2285	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52665151	-115.488362	0.005	235.5	0.009	413.4	88.34839436
US2286/CA2286	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52669993	-115.4877691	0.006	282.2	0.038	1649.5	119.3209655
US2287/CA2287	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52745299	-115.4871548	0.217	9435.9	0.274	11946.1	694.3606212
US2288/CA2288	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52820023	-115.4861925	0.073	3163.9	0.106	4624.1	510.9458084
US2289/CA2289	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52918551	-115.4849065	0.053	2320.0	0.058	2544.6	221.6363354
US2290/CA2290	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52915972	-115.4846104	0.004	171.2	0.004	171.2	55.08784646
US2291/CA2291	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52944362	-115.4843755	0.059	2581.6	0.066	2887.7	313.2326656
US2292/CA2292	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.52966366	-115.4843696	0.012	543.1	0.012	543.1	130.7620118
US2293/CA2293	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5302127	-115.4835458	0.036	1555.5	0.036	1555.4	497.5547249
US2294/CA2294	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53065365	-115.4828696	0.011	479.5	0.011	479.5	155.4417094
US2295/CA2295	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53106554	-115.4826576	0.003	128.3	0.003	128.3	118.9191024
US2296/CA2296	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53147296	-115.4821764	0.122	5306.5	0.128	5584.2	326.4761416
US2297/CA2297	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53138633	-115.4818463	0.004	178.8	0.004	178.8	85.95486841
US2298/CA2298	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53163965	-115.4815521	0.078	3394.1	0.083	3624.8	237.3023097
US2299/CA2299	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53185688	-115.4812889	0.012	525.7	0.012	525.8	254.3714846
US2300/CA2300	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53211191	-115.4809885	0.044	1933.5	0.052	2247.7	309.3862531

Feature ID	Feature Type	Hydrology Type	CWA 404/401	CDFW 1602	Habitat Type	Latitude	Longitude	CWA 404/401 Area - Acres	CWA 404/401 Area - Square Feet	CDFW 1602 Area - Acres	CDFW 1602 Area - Square Feet	Linear Feet
US2301/CA2301	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53242524	-115.4809683	0.076	3291.8	0.085	3716.0	465.4299576
US2302/CA2302	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53254447	-115.4802835	0.019	841.8	0.023	983.5	136.4630633
US2303/CA2303	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53284528	-115.4803782	0.037	1590.3	0.043	1860.1	269.4936225
US2304/CA2304	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5329429	-115.4798817	0.015	642.7	0.018	801.9	71.36686393
US2305/CA2305	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53313043	-115.4798464	0.038	1652.2	0.049	2155.9	265.8573582
US2306/CA2306	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53326845	-115.4794501	0.016	691.3	0.018	793.8	103.8376243
US2307/CA2307	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53405474	-115.4787848	0.047	2066.0	0.061	2668.7	656.7085744
US2308/CA2308	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53540522	-115.4769115	0.083	3621.6	0.100	4350.4	716.8949929
US2309/CA2309	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53633309	-115.4756788	0.014	612.9	0.021	911.4	416.9945042
US2310/CA2310	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5372662	-115.4743923	0.051	2208.3	0.058	2531.2	314.6930133
US2311/CA2311	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53784568	-115.4738609	0.197	8595.6	0.210	9153.2	537.6684491
US2312/CA2312	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53858932	-115.4731693	0.004	157.4	0.004	157.4	49.23505229
US2313/CA2313	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53868338	-115.4725797	0.062	2684.3	0.073	3170.1	601.3251759
US2314/CA2314	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53932554	-115.4719194	0.079	3461.4	0.091	3948.8	484.0014235
US2315/CA2315	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53972023	-115.4717693	0.004	193.9	0.004	193.8	92.68380505
US2316/CA2316	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53979703	-115.4716623	0.004	192.7	0.004	192.7	44.25857405
US2317/CA2317	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53988382	-115.4715727	0.006	246.5	0.006	246.5	78.18096452
US2318/CA2318	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.53977046	-115.4711868	0.007	302.3	0.007	302.3	97.58174738
US2319/CA2319	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.5403412	-115.4705443	0.020	868.3	0.024	1048.3	180.989319
US2320/CA2320	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.54068831	-115.4701934	0.072	3127.3	0.095	4131.0	190.2976898
US2321/CA2321	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.54151091	-115.4694008	0.092	3994.1	0.106	4629.6	316.12998
US2322/CA2322	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.54215079	-115.4681639	0.006	273.5	0.008	332.0	48.65109415
US2323/CA2323	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.54245834	-115.4681009	0.022	959.3	0.029	1281.0	152.3411516
US2324/CA2324	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.54276079	-115.4677083	0.017	730.5	0.024	1029.6	144.5436718
US2325/CA2325	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.54330055	-115.4670287	0.123	5377.2	0.160	6972.0	818.2975049
US2326/CA2326	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.54402334	-115.4661189	0.068	2977.4	0.090	3922.3	534.3018274
US2327/CA2327	Streambed - Vegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.54442704	-115.465737	0.055	2381.7	0.080	3493.1	234.2330134
US2328/CA2328	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.54517245	-115.4648153	0.010	444.8	0.015	662.3	212.8548274
US2329/CA2329	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.45246919	-117.719905	0.010	427.5	0.020	880.3	131.5755873
US2330/CA2330	Streambed - Unvegetated	Ephemeral	Other Waters	1602	Scrub-Shrub	35.46197588	-117.7246175	0.015	643.7	0.015	643.7	163.6177154

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