Appendix A

FIGURES

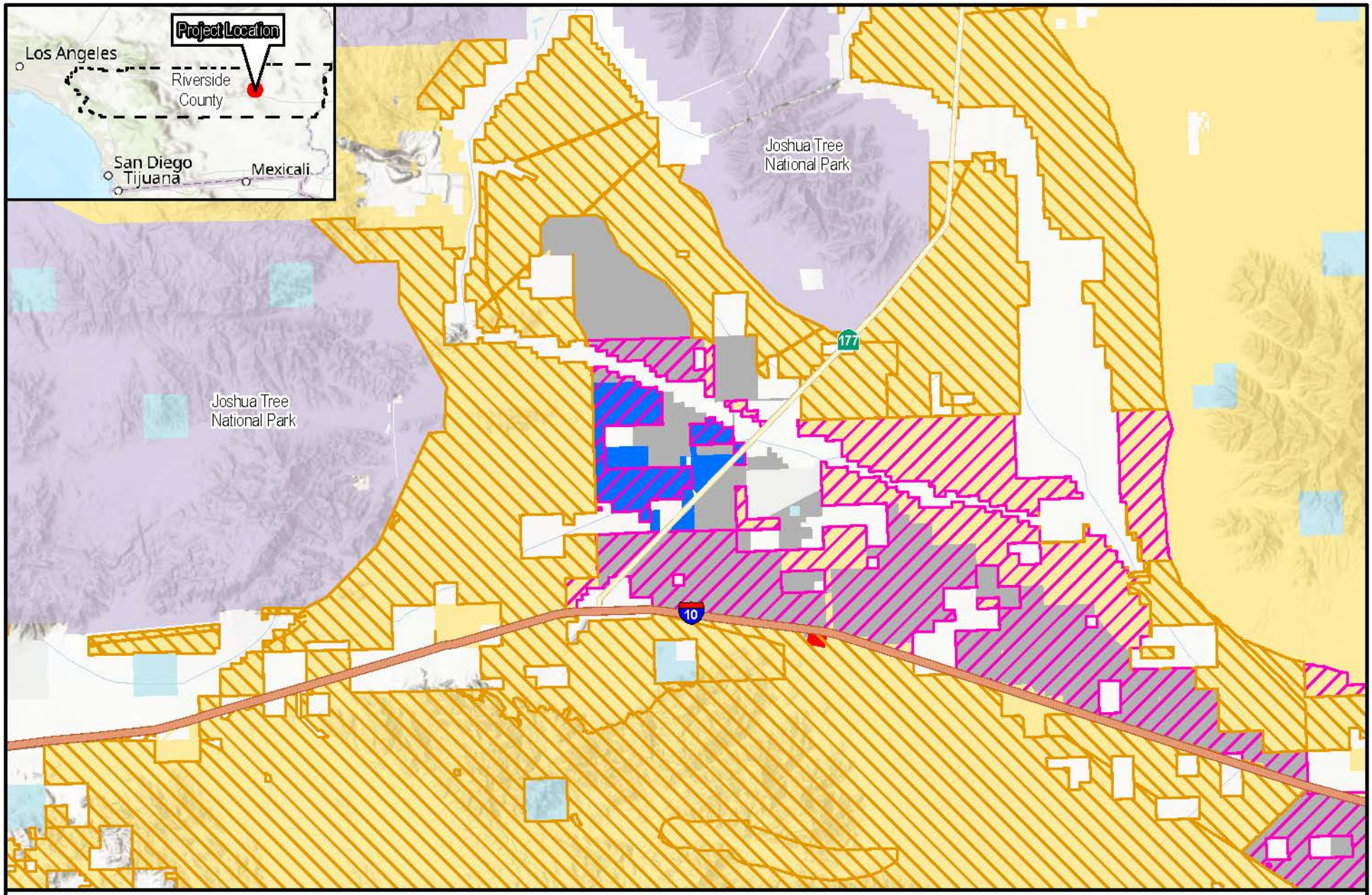


Figure 2-1

Project Vicinity

Sources: Aspen, 2023; Intersect Power, 2023; BLM, 2023; Esri, 2023.

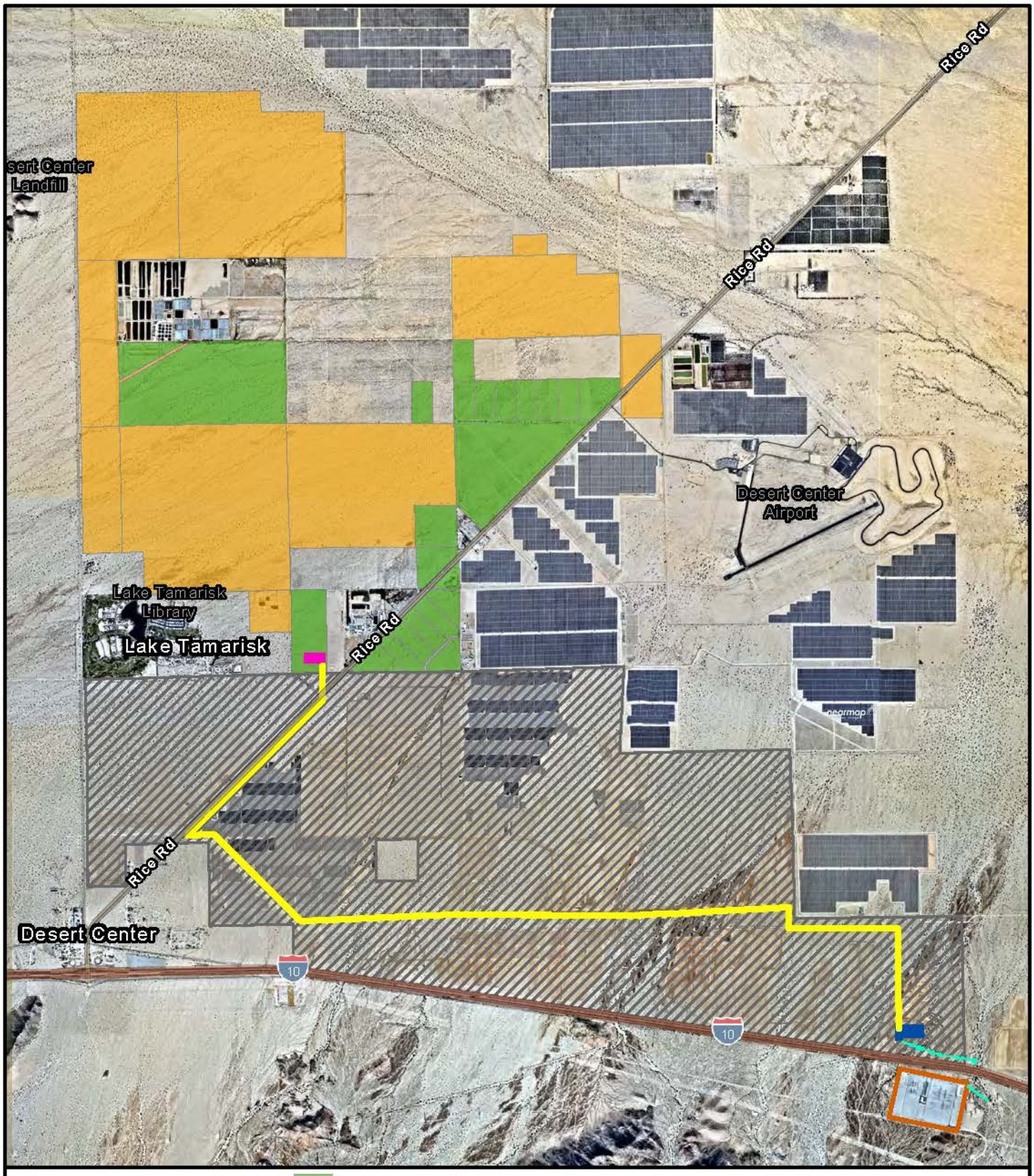


Figure 2-2

Project Area

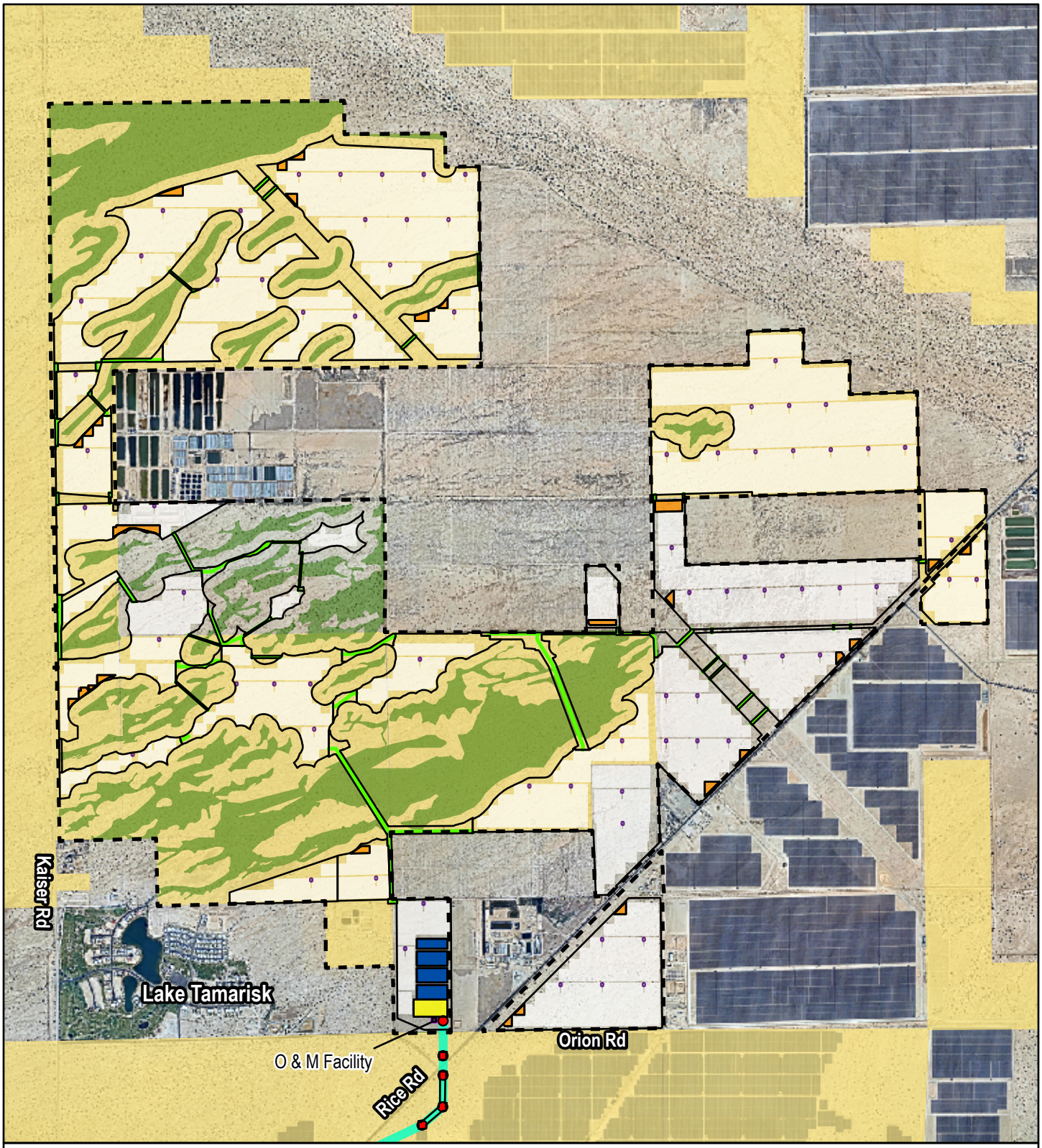
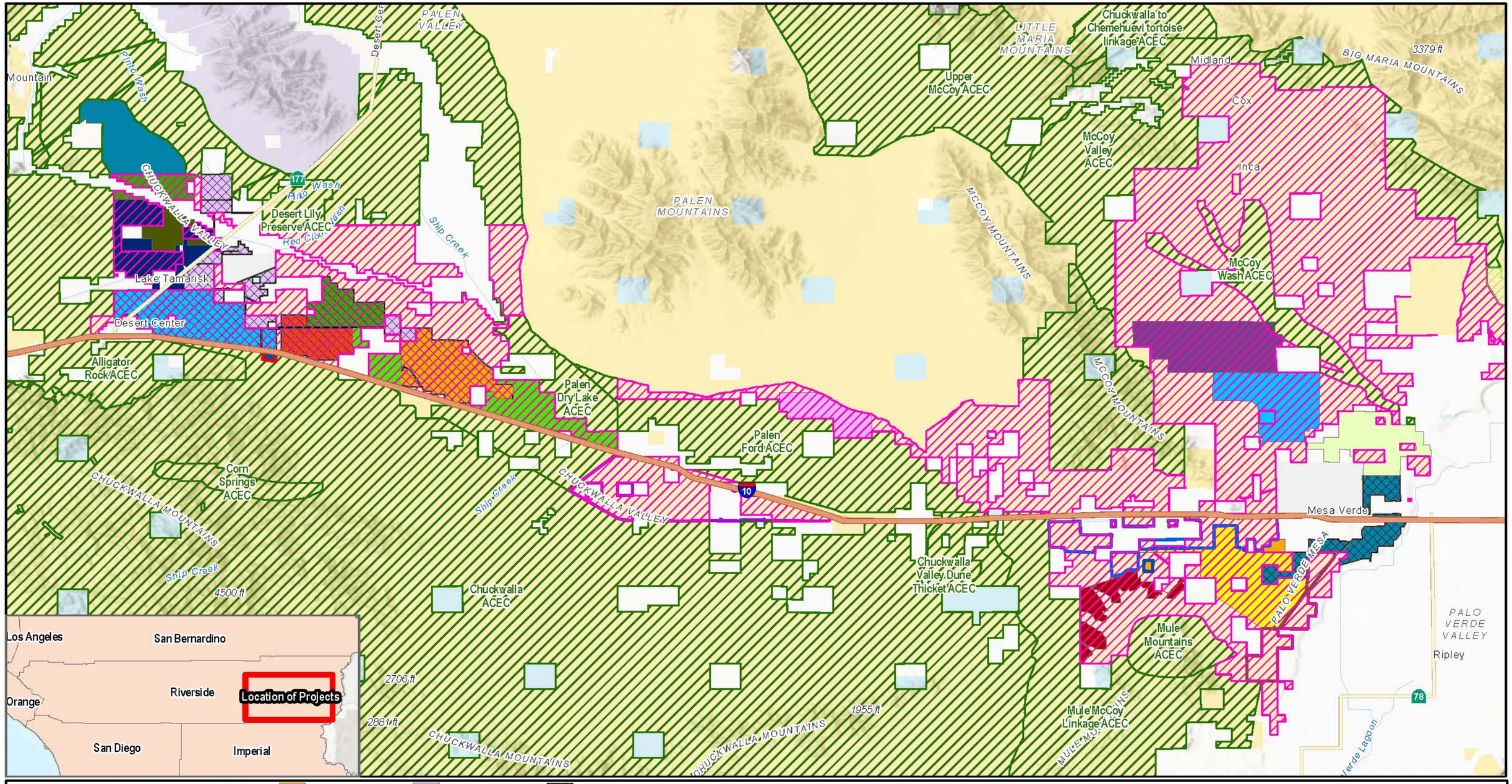


Figure 2-3

Easley Renewable Energy Project

Preliminary Engineering

Sources: Aspen, 2024; Intersect Power, 2024; Nearmap, 2024.



Development Focus Area for All Renewable Energy Technologies
Variance Process Lands
Area of Critical Environmental Concern (ACEC)
Easley Renewable Energy Project
Sapphire Solar Project
Blythe PV Project
Blythe Solar
Desert Harvest
Desert Quartzsite Solar
Desert Sunlight
Genesis Solar
McCoy
Palo Verde Mesa Solar
Athos Solar
Palen
Oberon
Clearway-Victory Pass
Clearway-Arica
Blythe Mesa
Calypso I Solar Project
Calypso II Solar Project
Crimson Solar
Lycan Solar Project
Redonda Solar Project
Red Bluff Substation
Colorado River Substation

Land Ownership
Military
Bureau of Land Management
National Park Service
State

0 5 10 Miles

Figure 2-4

East Riverside Solar Projects & DRECP Context

Sources: Aspen, 2022; BLM, 2022; Esri, 2022; Intersect Power, 2022

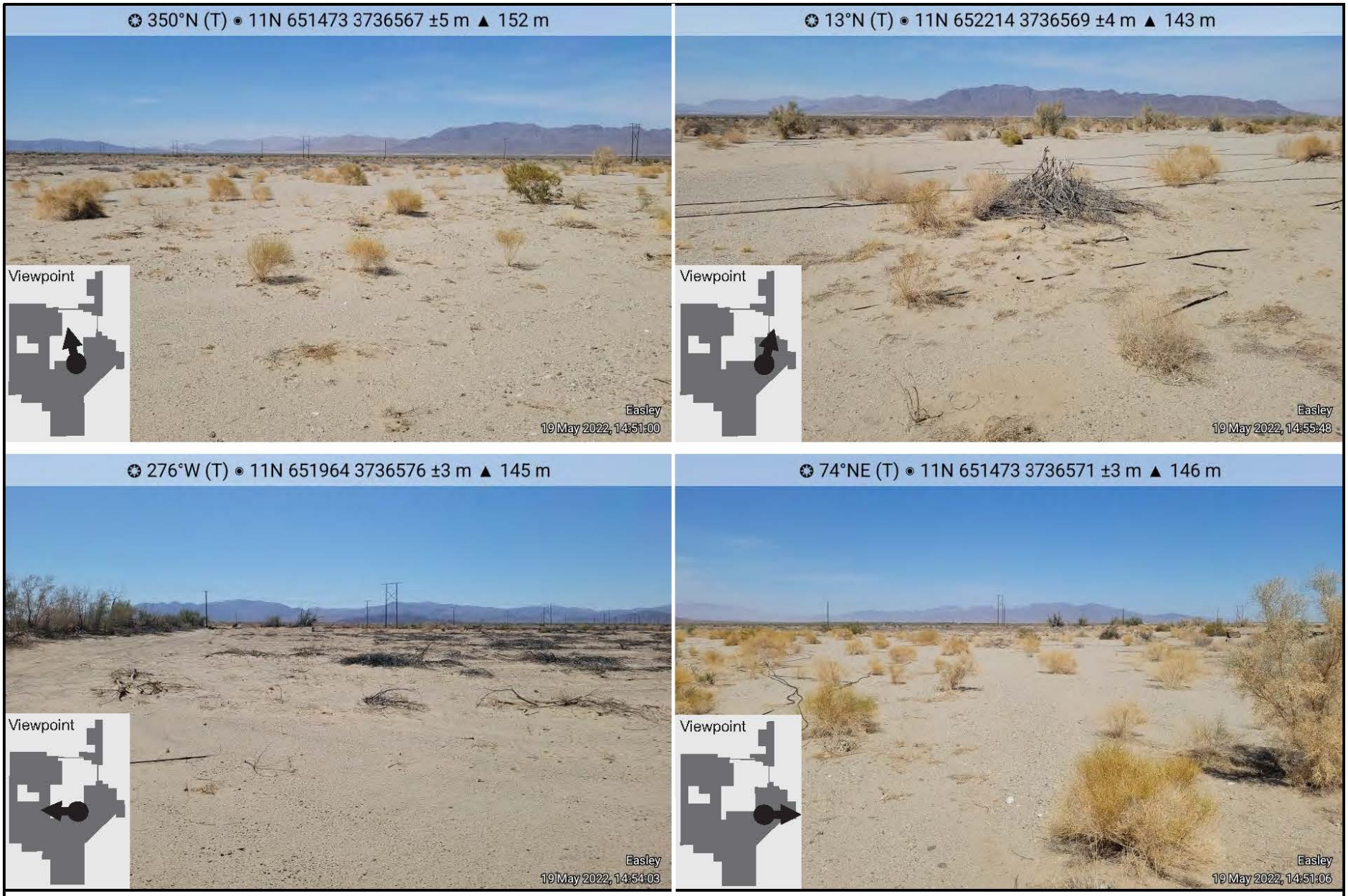
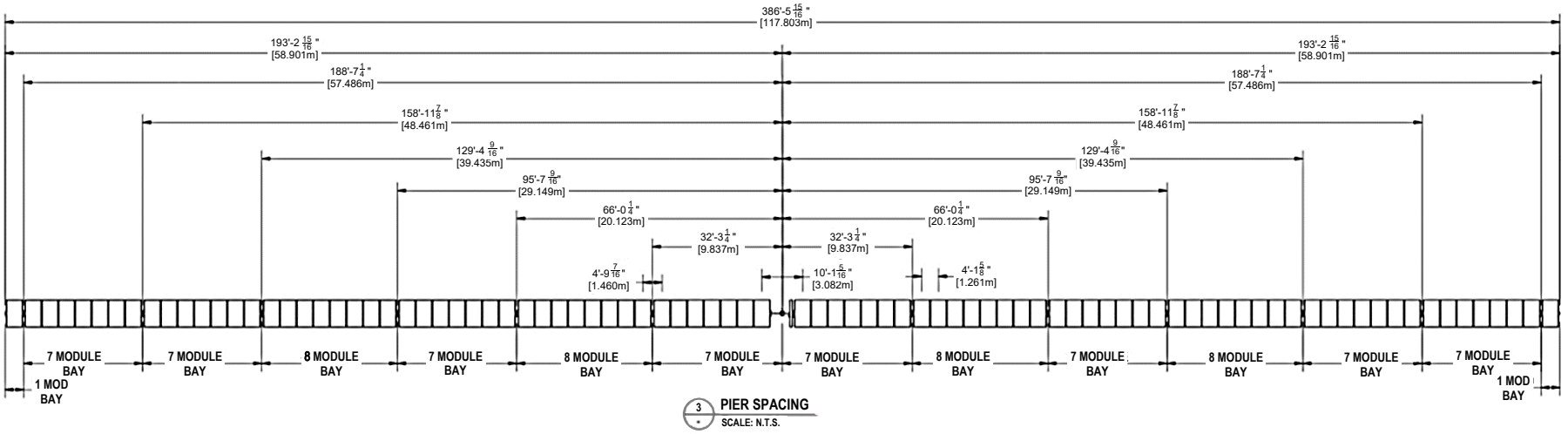


Figure 2-5

Site Photographs



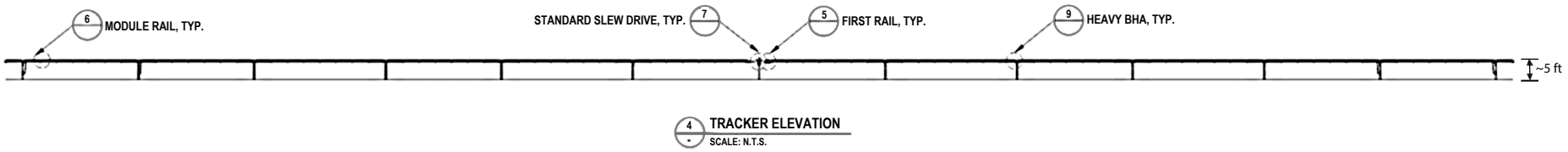


Figure 2-6

Typical Single Axis Tracker with Portrait Module Orientation

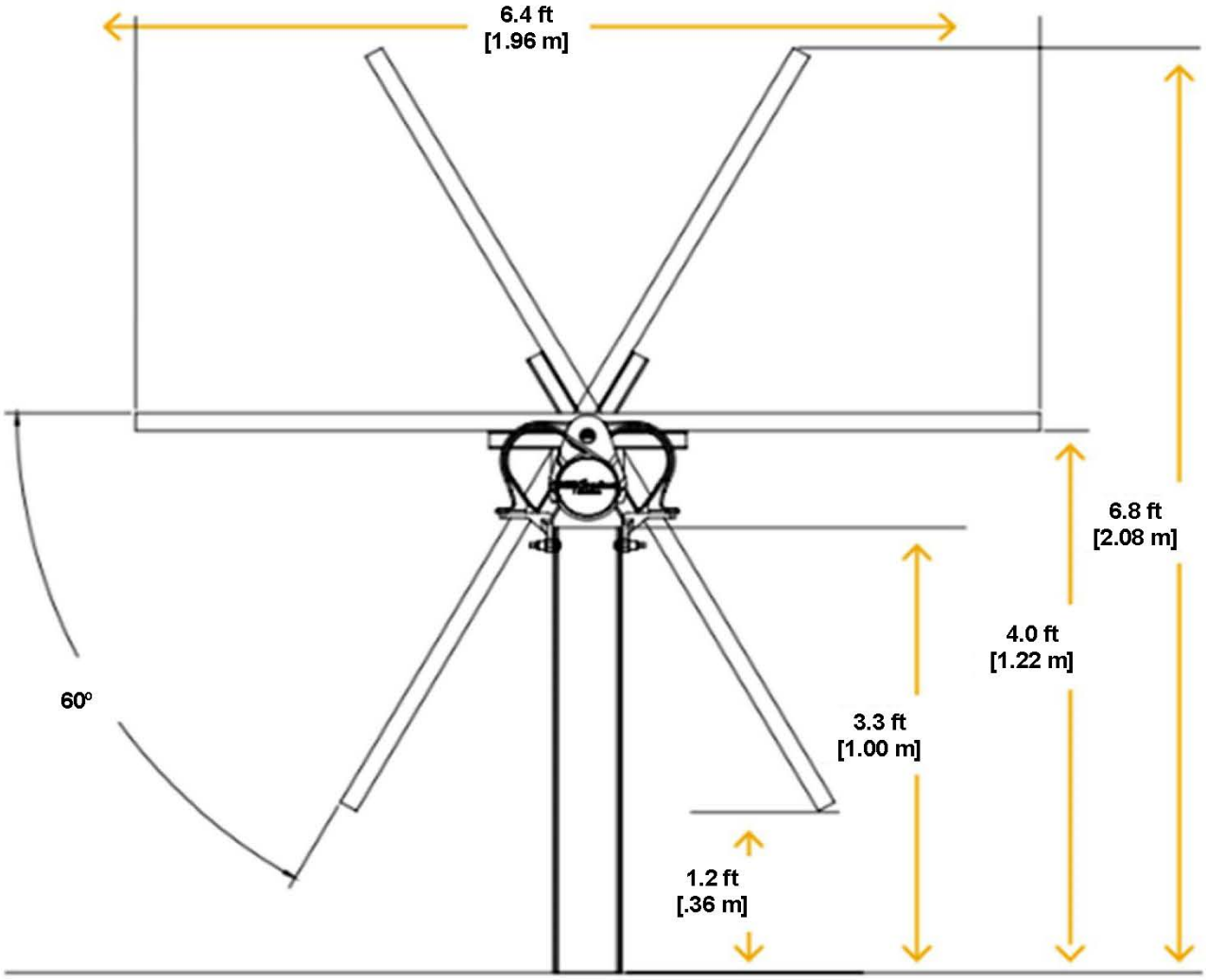


Figure 2-7

Typical Tracker Structure

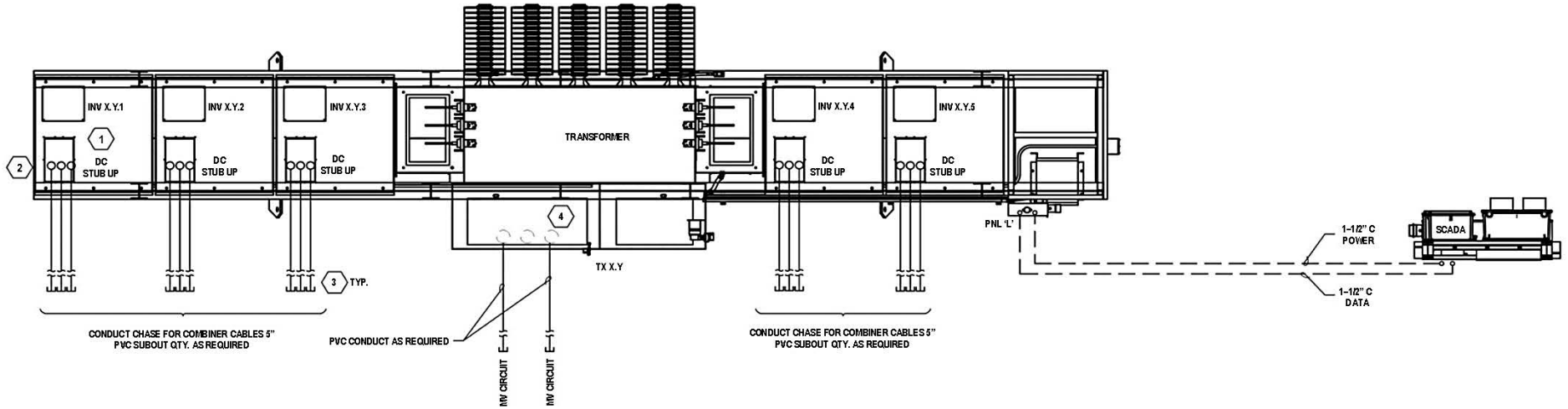
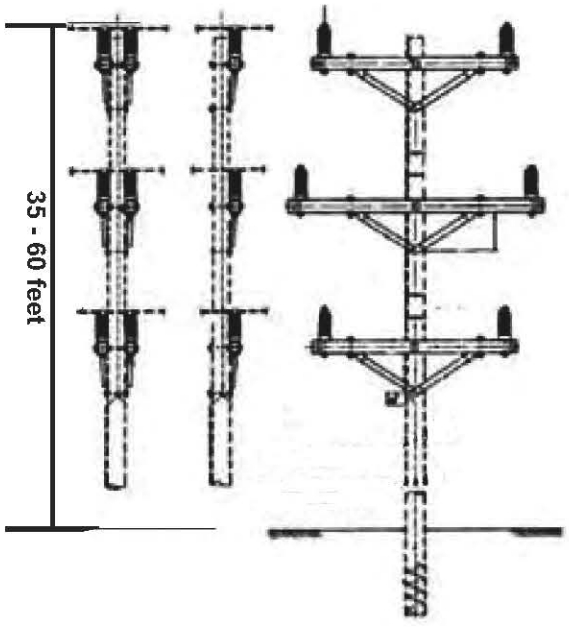
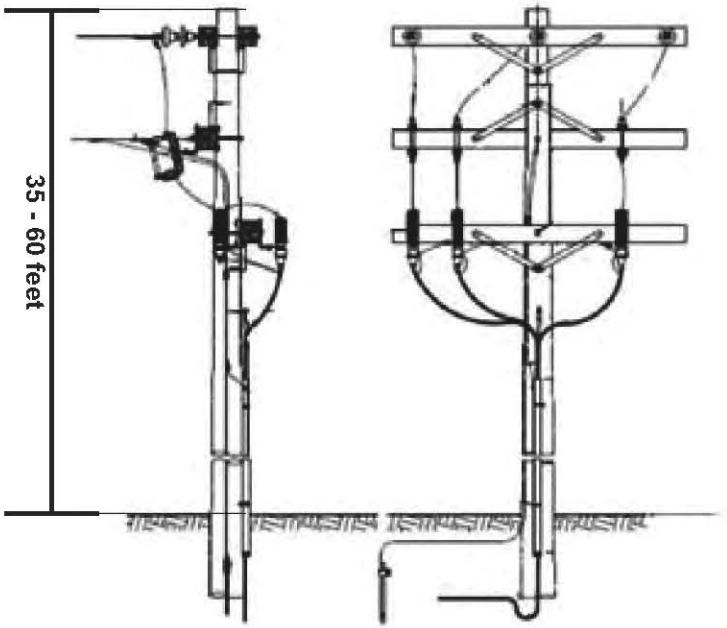


Figure 2-8

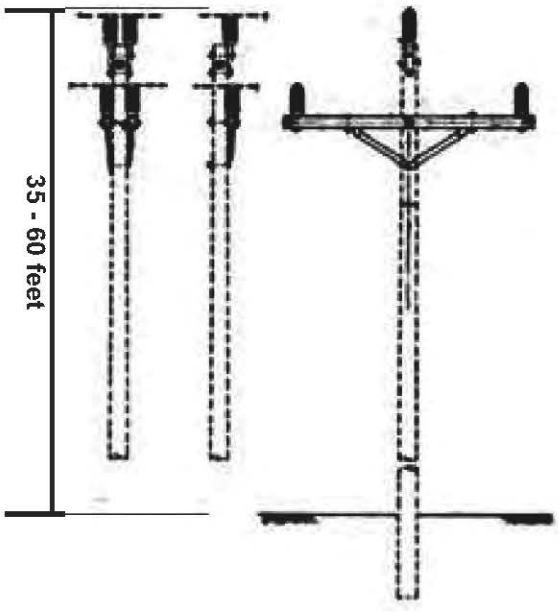
Typical Inverter Skid Layout



Double Circuit 34.5 kV
Overhead Line Wood Pole



Riser Wood Pole

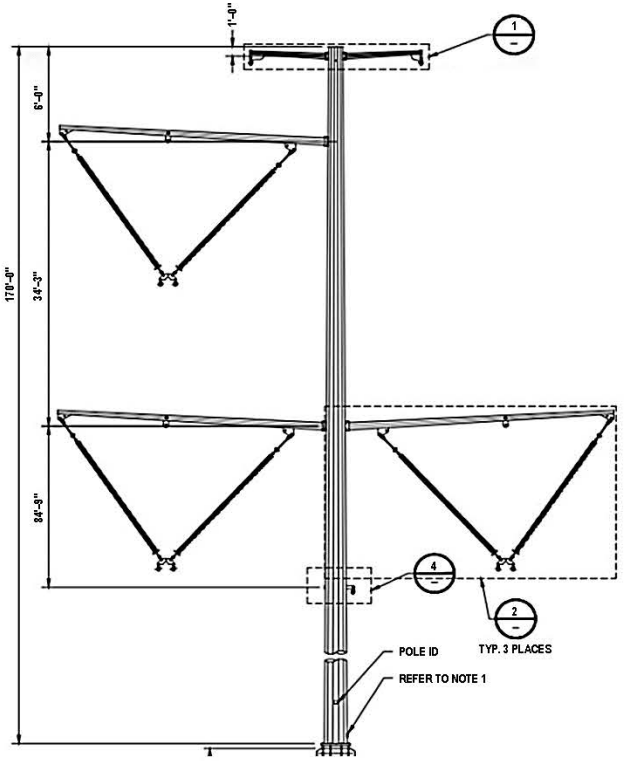


Single Circuit 34.5 kV
Overhead Line Wood Pole

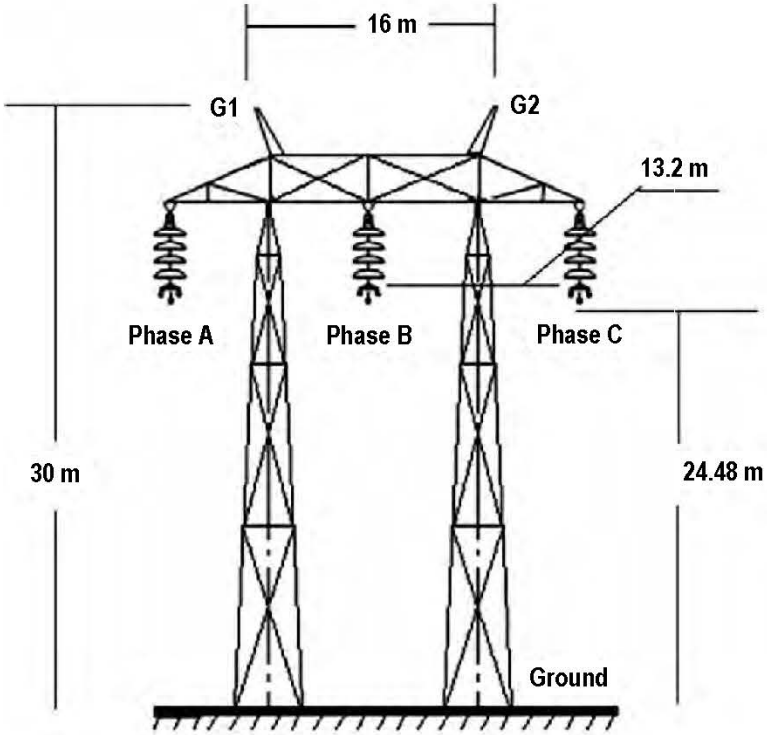
Figure 2-9

Typical 34.5 kV Medium Voltage Line Structures

Typical Monopole Structure



Typical Steel H-frame Structure



Typical Waist-type Lattice Structure

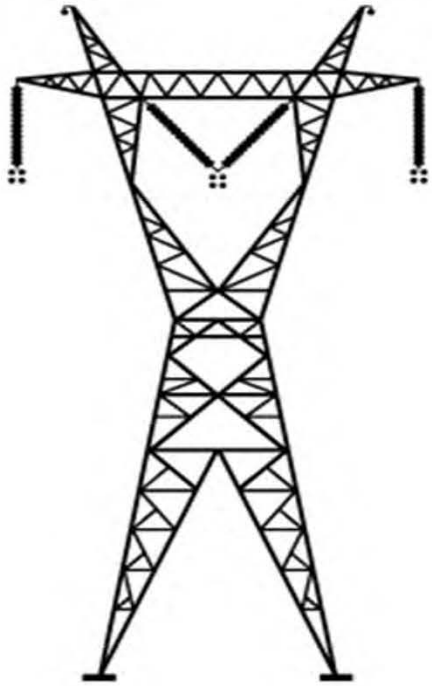


Figure 2-10

Typical Structure for 500 kV Gen-tie

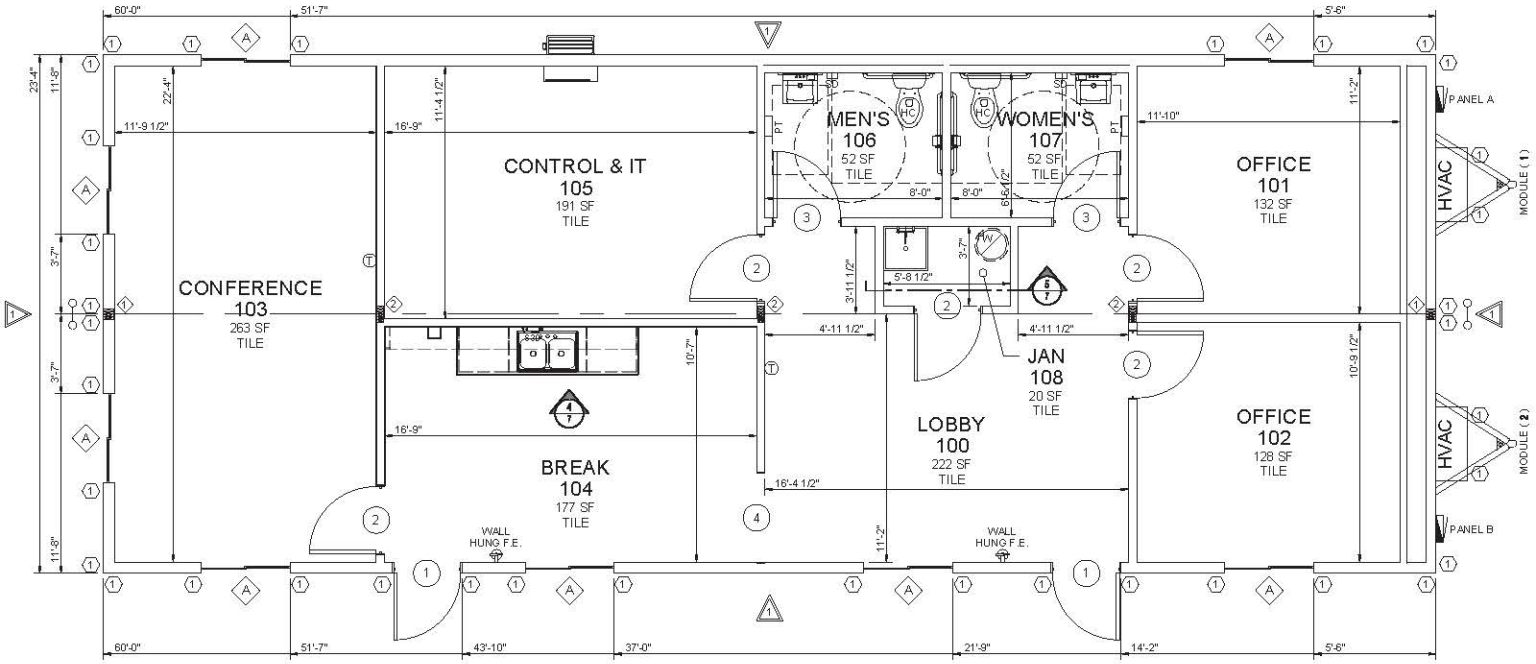
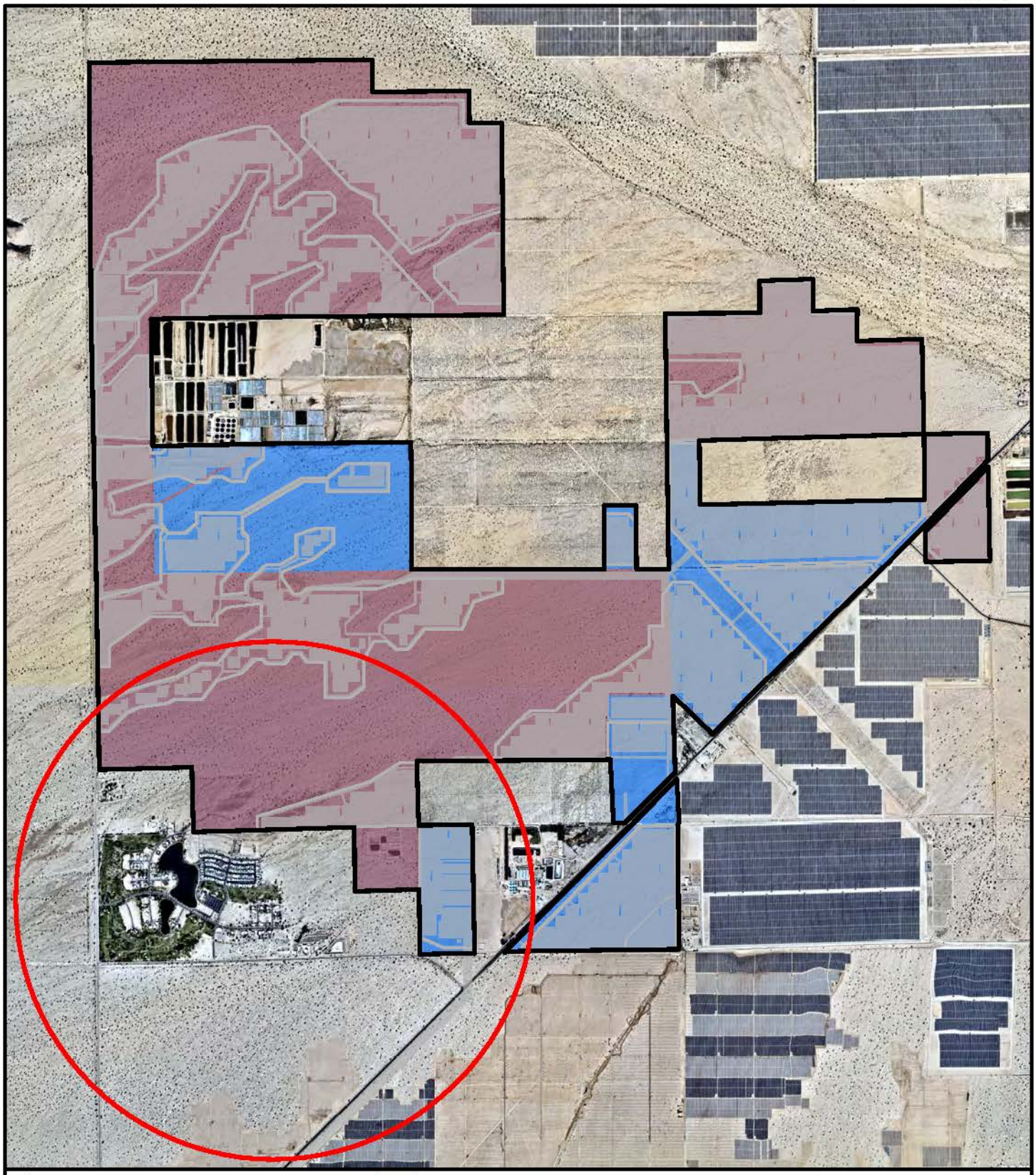


Figure 2-11

Typical O&M Building Floor Plan

Figure 2-12

Typical BESS Enclosure



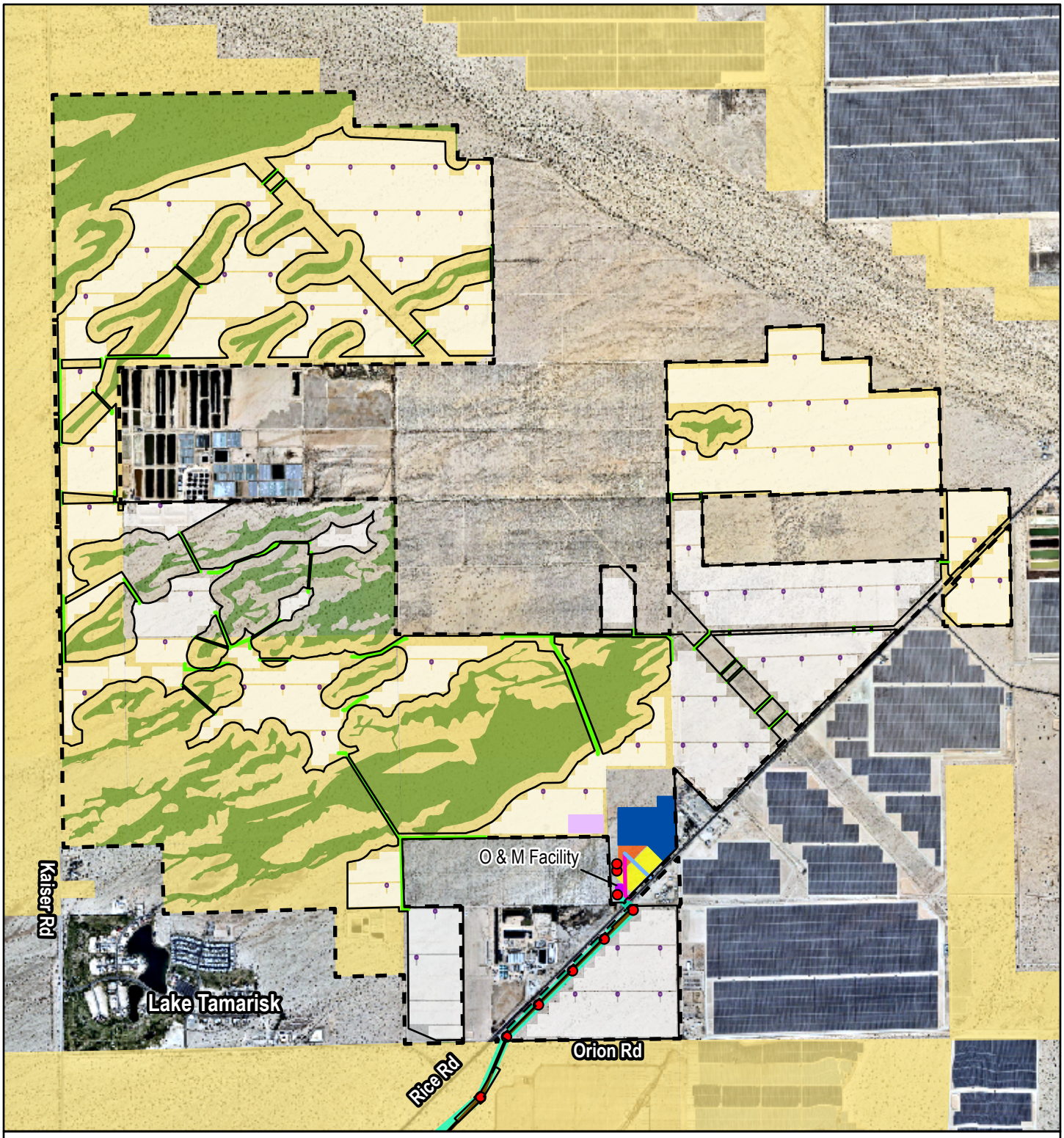
1-Mile Radius from APN 808-221-025
Easley Proposed Project Design
Easley Project Boundary
Easley Project Parcels (BLM Land)
Easley Project Parcels (Private Land)

0 0.5 1 Miles

Figure 2-13

APM NOISE-1: One-Mile Radius

Sources: Intersect Power, 2023; NearMap, 2023.



Easley Renewable Energy Project Boundary
Laydown Yard
Limit of Disturbance
Solar Panel Array
Power Conversion Station (Inverter)
Substation
Substation Option 2
BESS

500 kV Gen-Tie Line ROW
Gen-Tie Poles
Access Road and/or 34.5 kV Collector Line
Gen-Tie Access Road
O & M Facility
12 kV Distribution Line Option 1
12 kV Distribution Line Option 2
Bureau of Land Management
Desert Dry Wash Woodland

0 0.5 1 Miles

Figure 2-14

Easley Renewable Energy Project

Alternative B: Reduced Footprint Alternative

Sources: Aspen, 2024; Intersect Power, 2024; Nearmap, 2024.

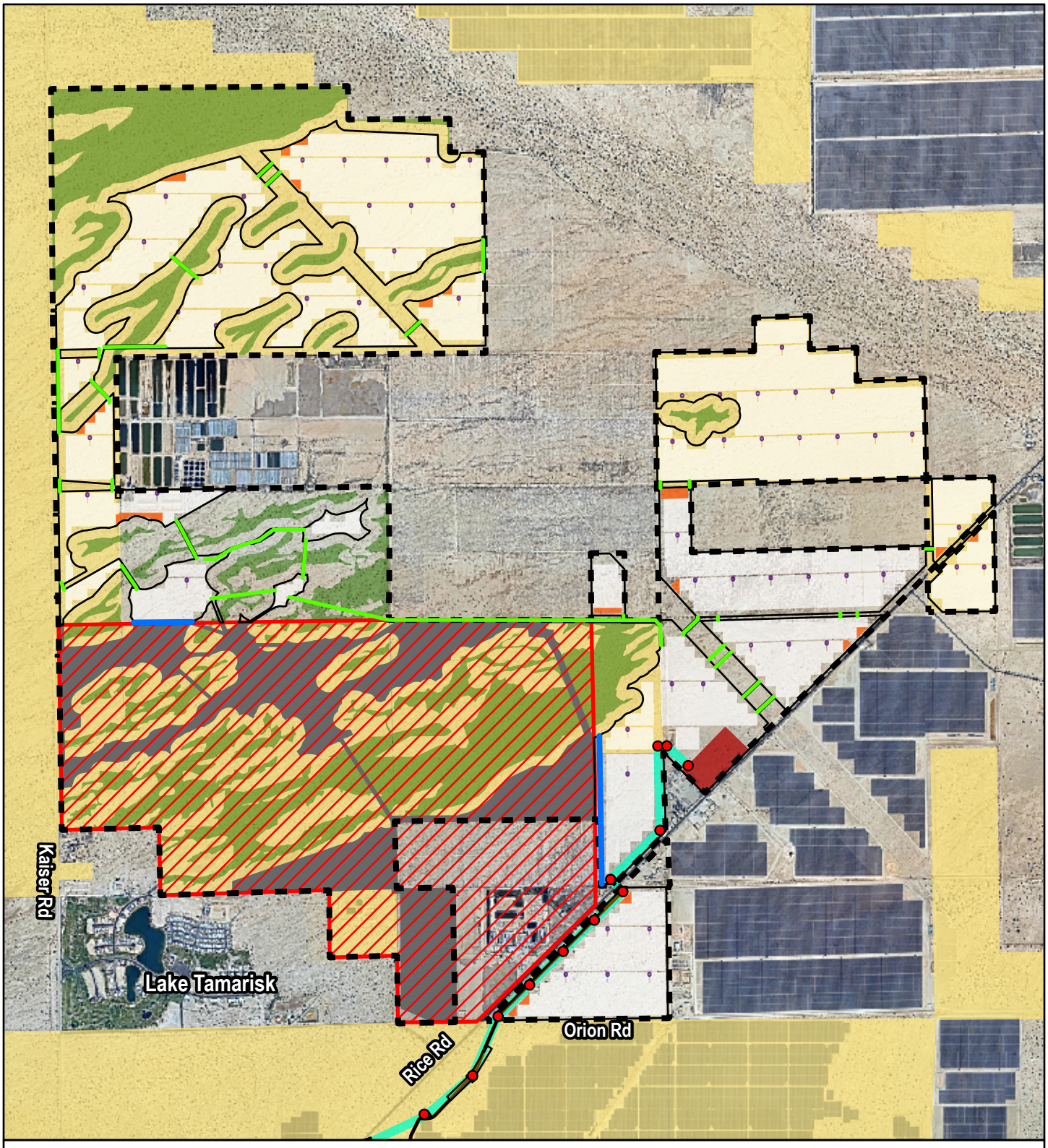


Figure 2-15

Easley Renewable Energy Project

Alternative C: Further Reduced Footprint Alternative with Berms

Sources: Aspen, 2024; Intersect Power, 2024; Nearmap, 2024.

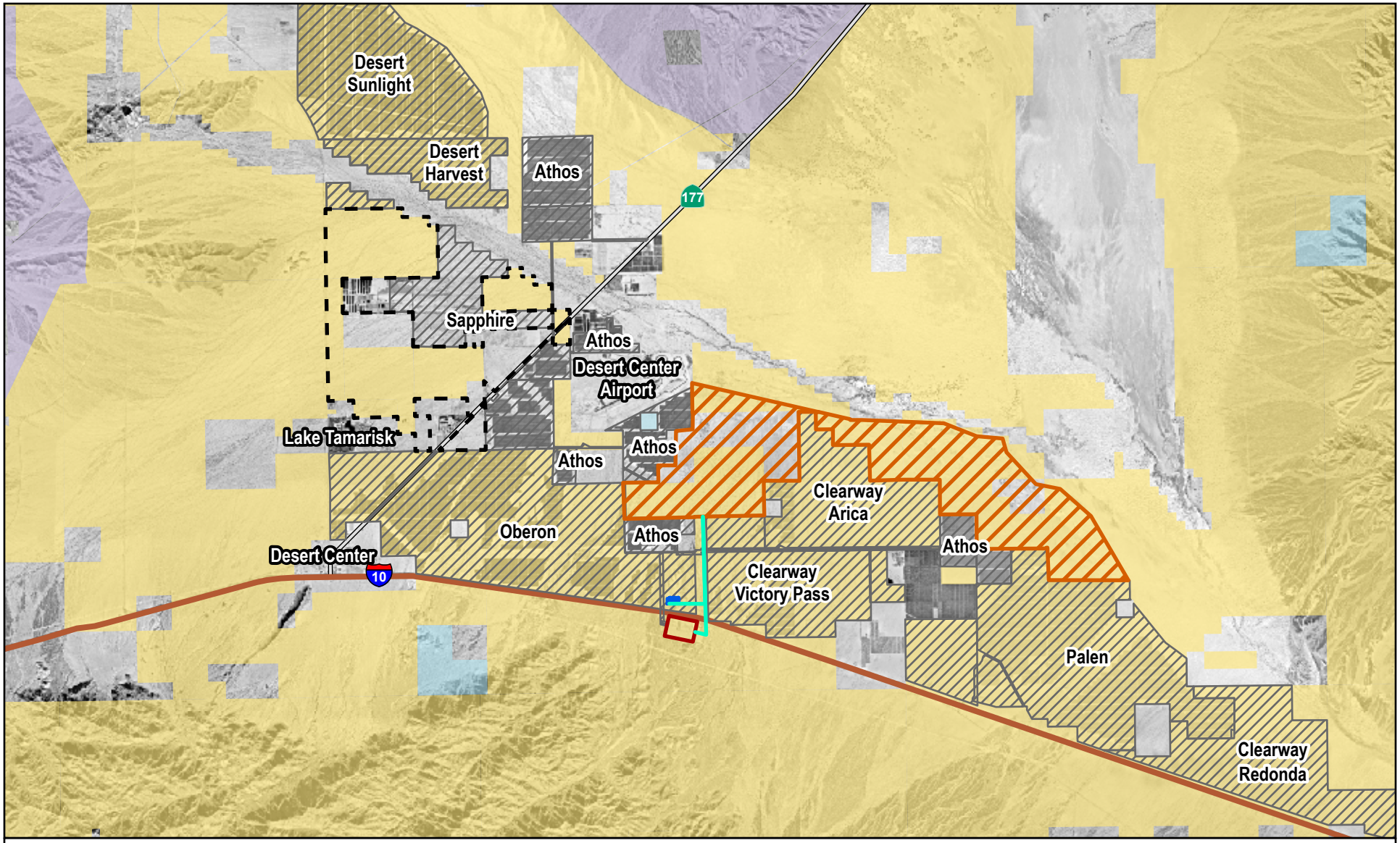


Figure 2-16

Alternative D: Offsite Alternative

Sources: Aspen, 2024; Nearmap, 2024.

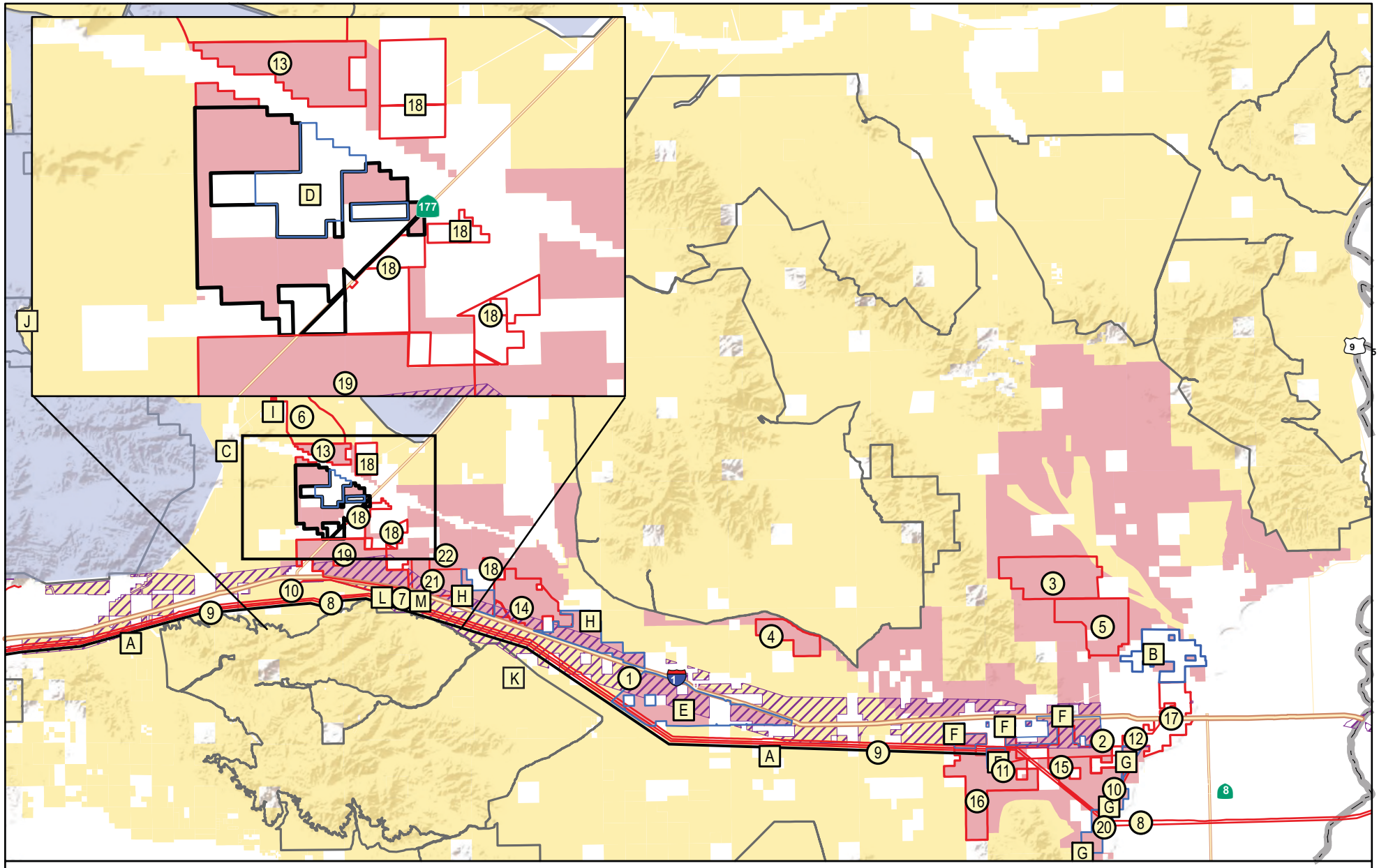
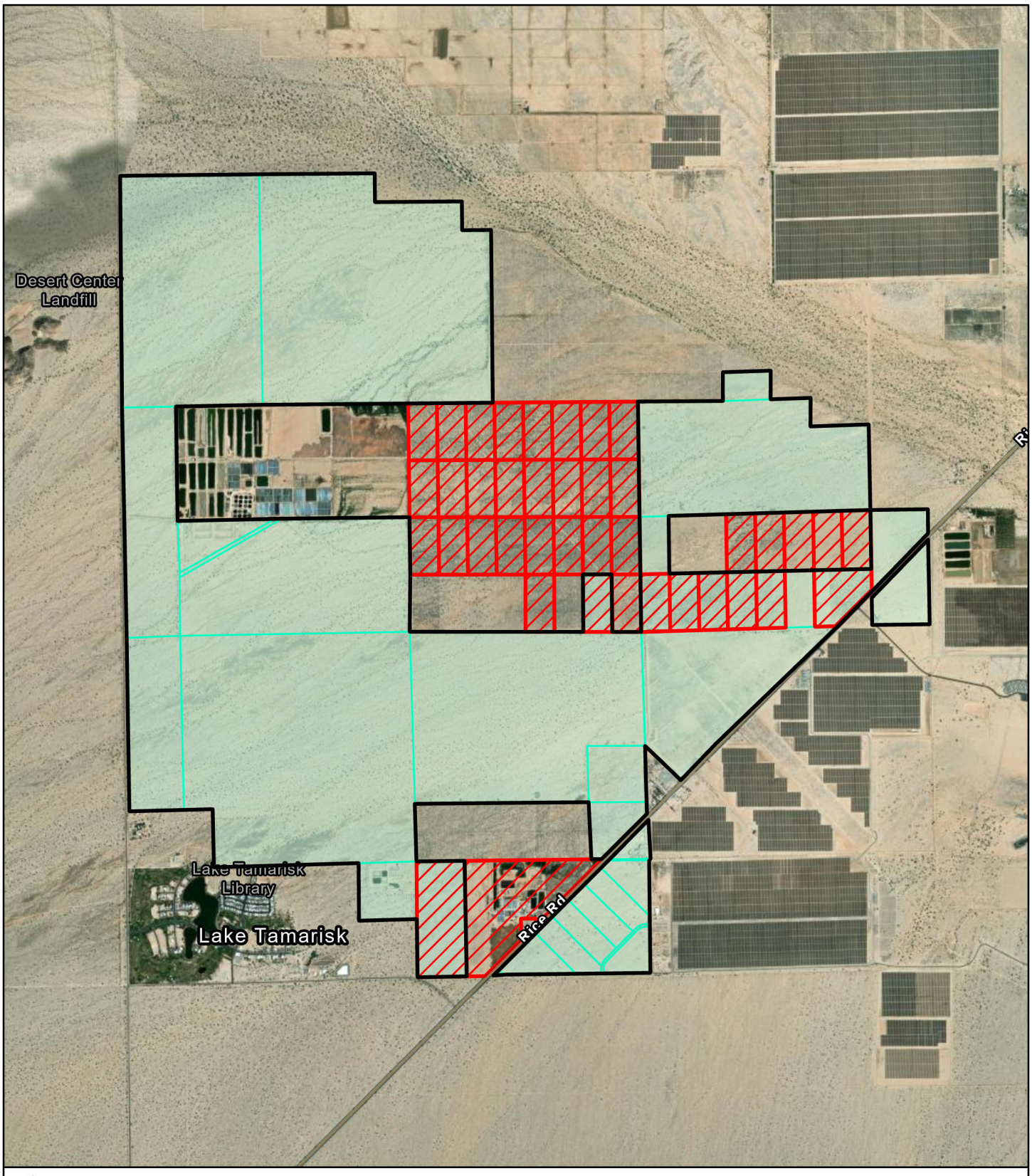


Figure 3.1-1

Cumulative Projects



Agriculture Preserves and Land Conservation ("Williamson") Act Parcels

Easley Renewable Energy Project Boundary

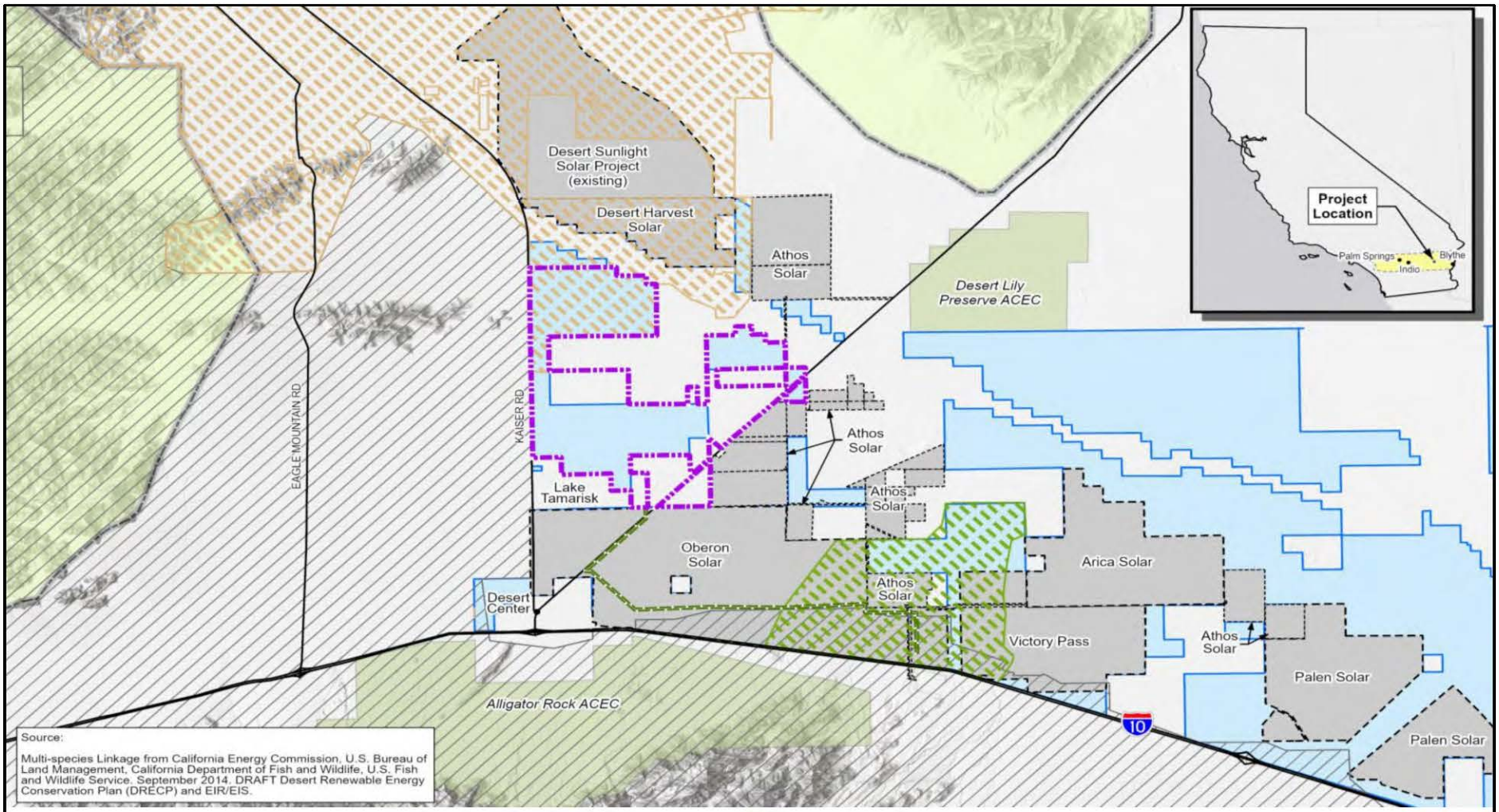
Easley Renewable Energy Project Parcels

0 0.5 1 Miles

Figure 3.3-1

Parcels with Williamson Act Contracts

Sources: Esri, 2023; County of Riverside, 2023; Intersect Power, 2023.

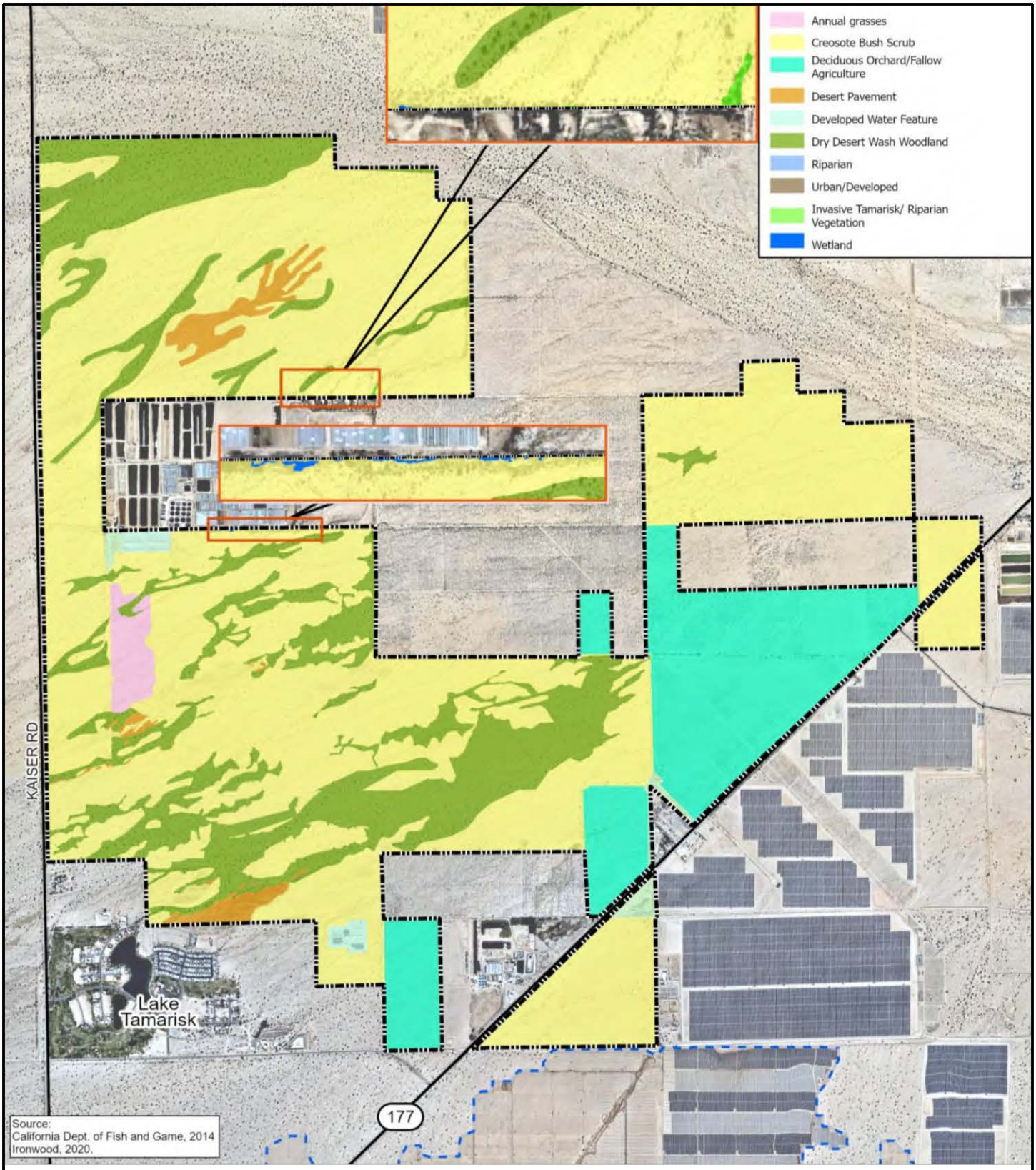


Source: Ironwood, 2023a.

0 1 2
Miles

Figure 3.5-1

General Vicinity



Source: Ironwood, 2023a.

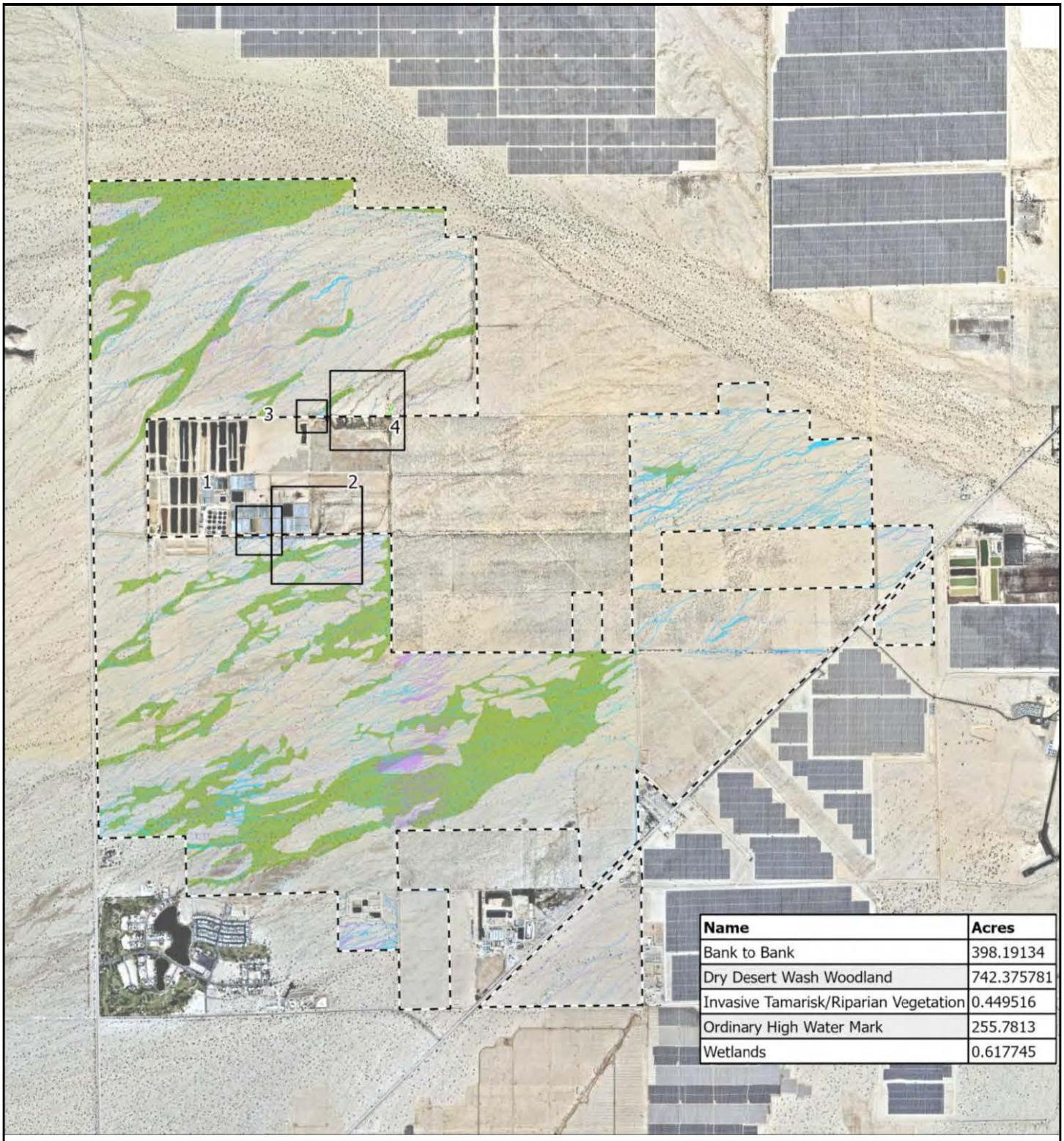
0 2,000 4,000
Feet

Easley Renewable Energy Project Boundary

Oberon Project Boundary

Figure 3.5-2

Vegetation Communities

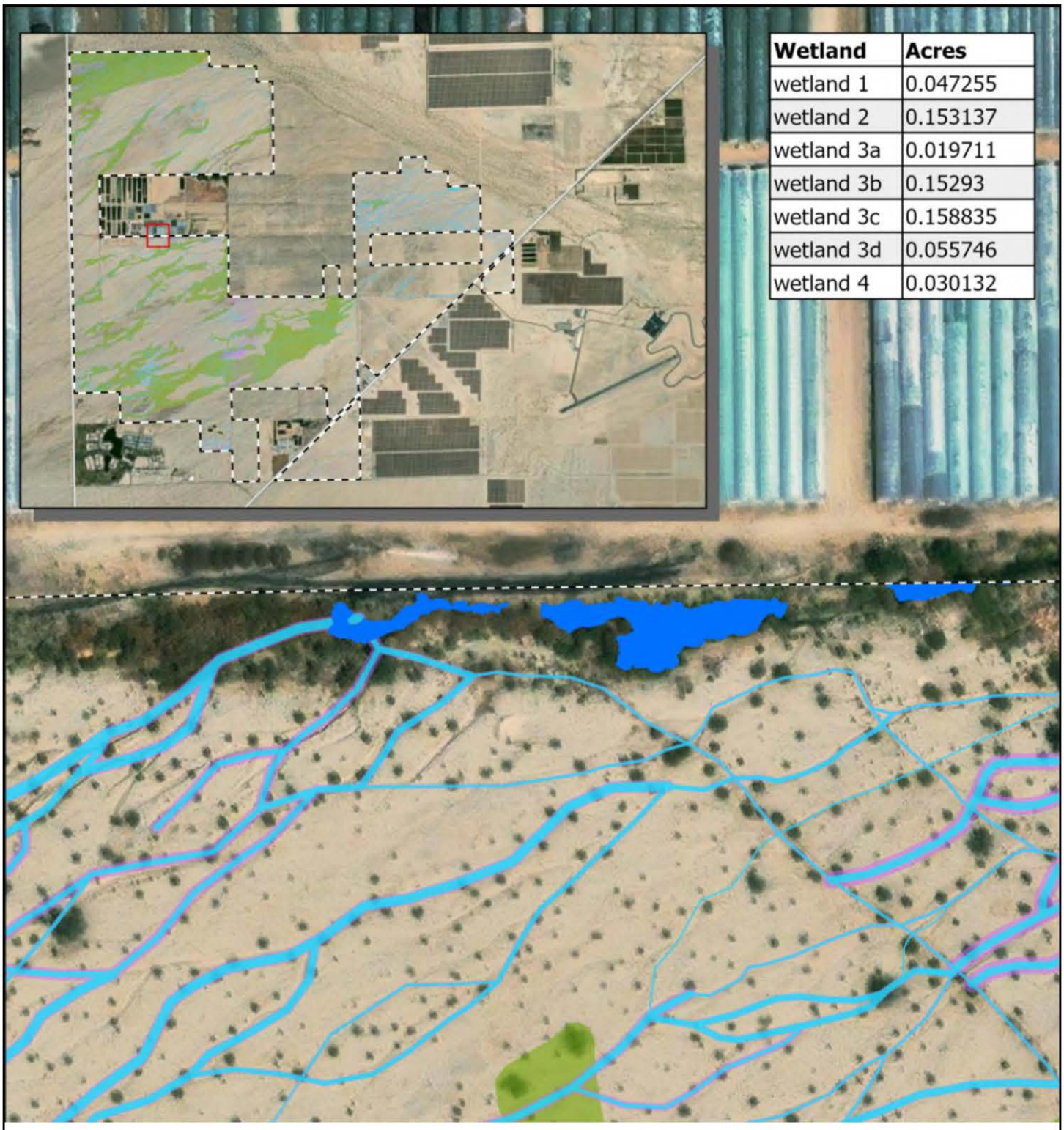


Source: Ironwood, 2023b.

0 2,000 4,000
Feet

Figure 3.5-3a

Jurisdictional Wetlands and Waters

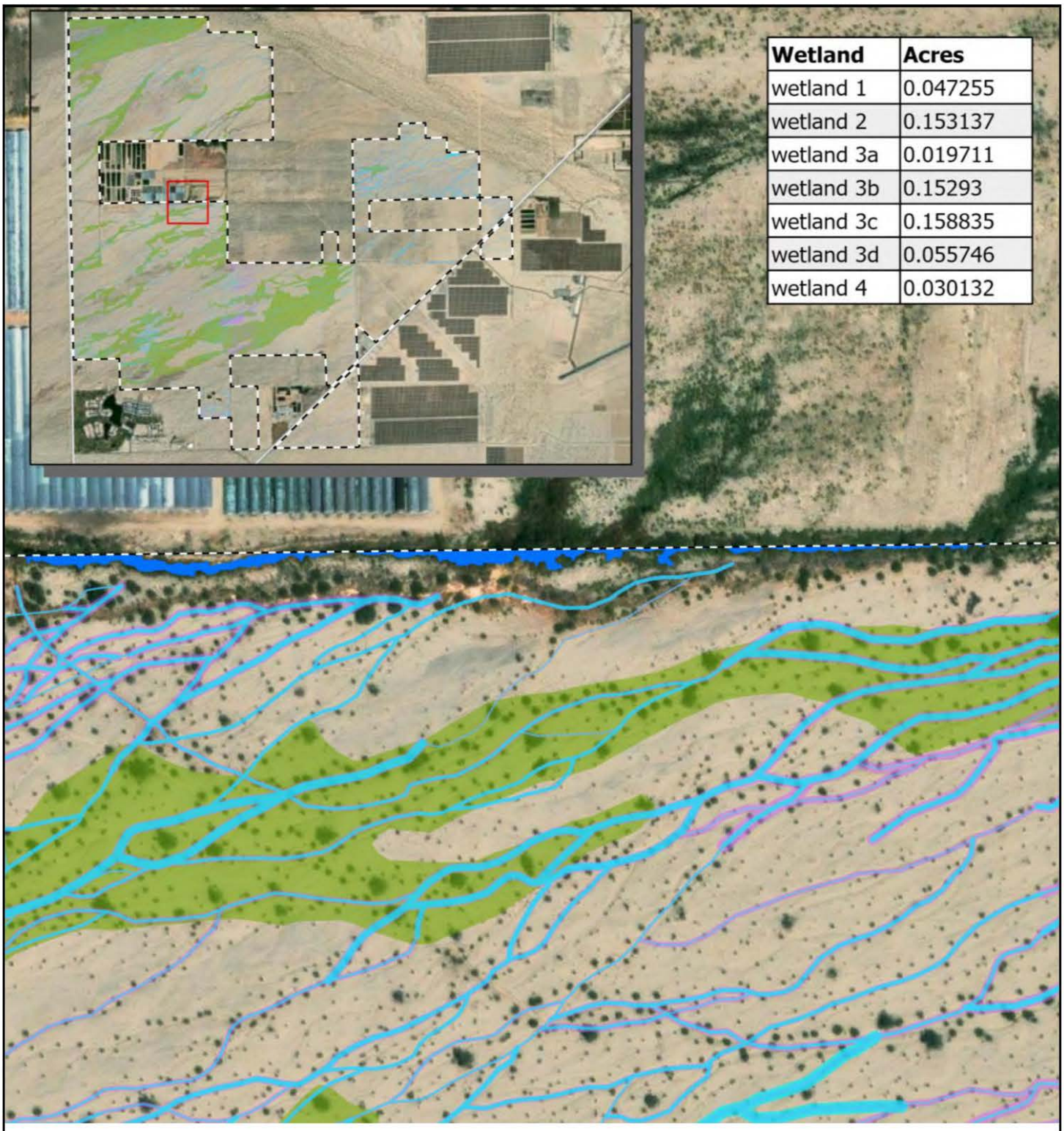


Source: Ironwood, 2023b.

0 50 100
Feet

Figure 3.5-3b

Jurisdictional Wetlands and Waters

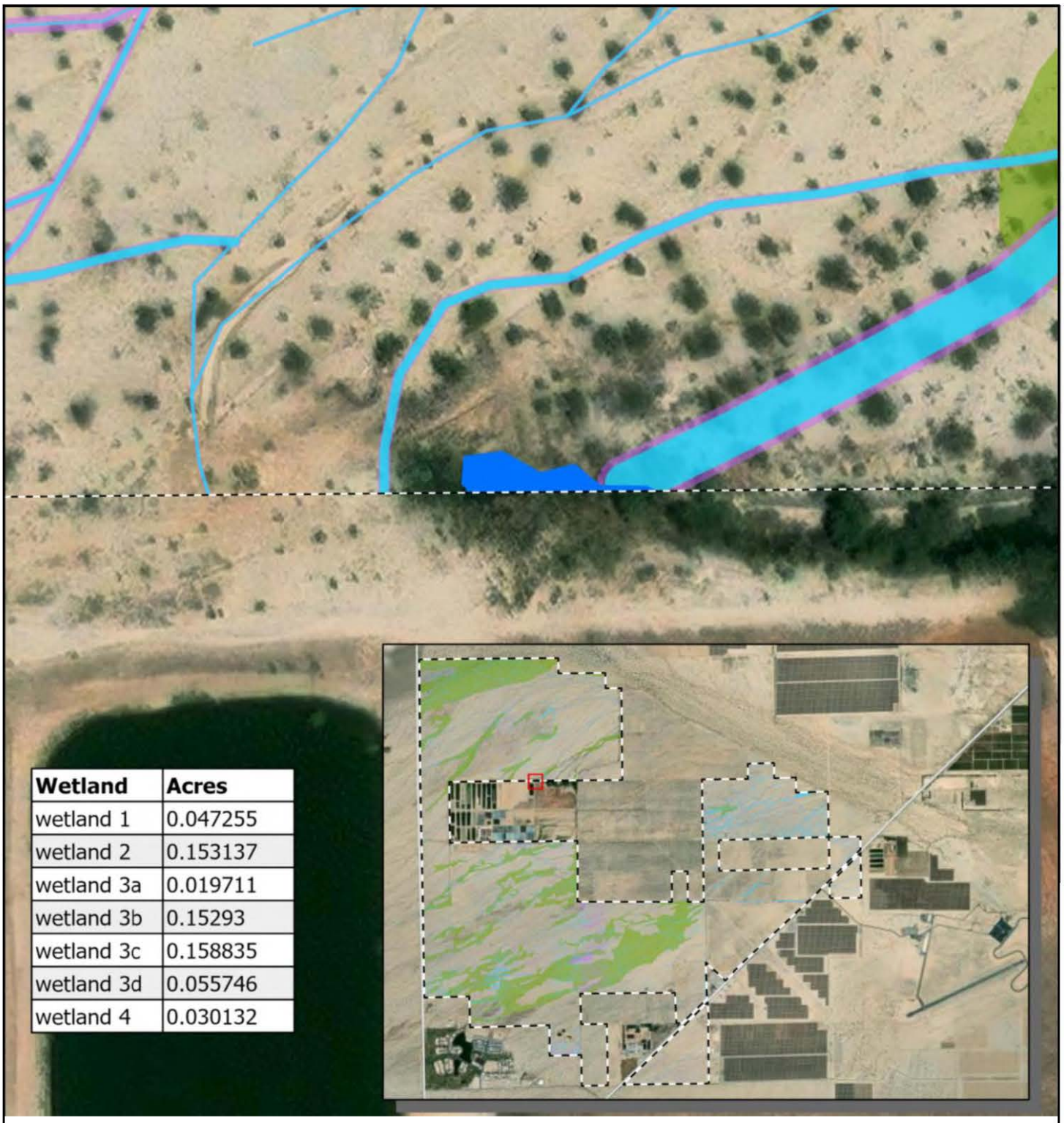


Source: Ironwood, 2023b.

0 100 200
Feet

Figure 3.5-3c

Jurisdictional Wetlands and Waters



Wetland	Acres
wetland 1	0.047255
wetland 2	0.153137
wetland 3a	0.019711
wetland 3b	0.15293
wetland 3c	0.158835
wetland 3d	0.055746
wetland 4	0.030132

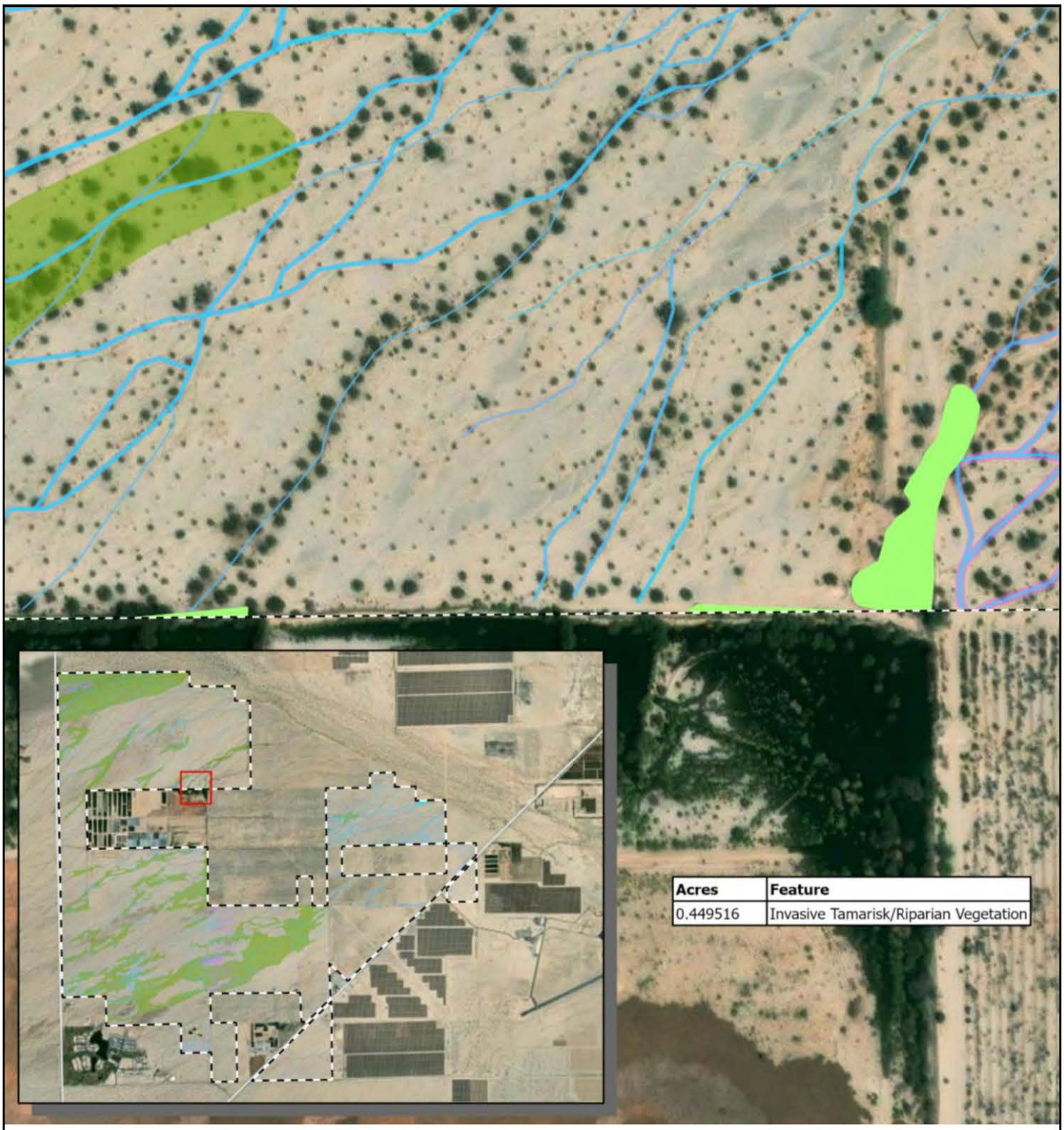
Easley Boundary
Roads
Wetlands
Drainage Polygons - OHWM
Drainage Polygons - Bank to Bank
Invasive Tamarisk/Riparian Vegetation
Dry Desert Wash Woodland

Source: Ironwood, 2023b.

0 25 50
Feet

Figure 3.5-3d

Jurisdictional Wetlands and Waters



Source: Ironwood, 2023b.

0 100 200
Feet

Figure 3.5-3e

Jurisdictional Wetlands and Waters

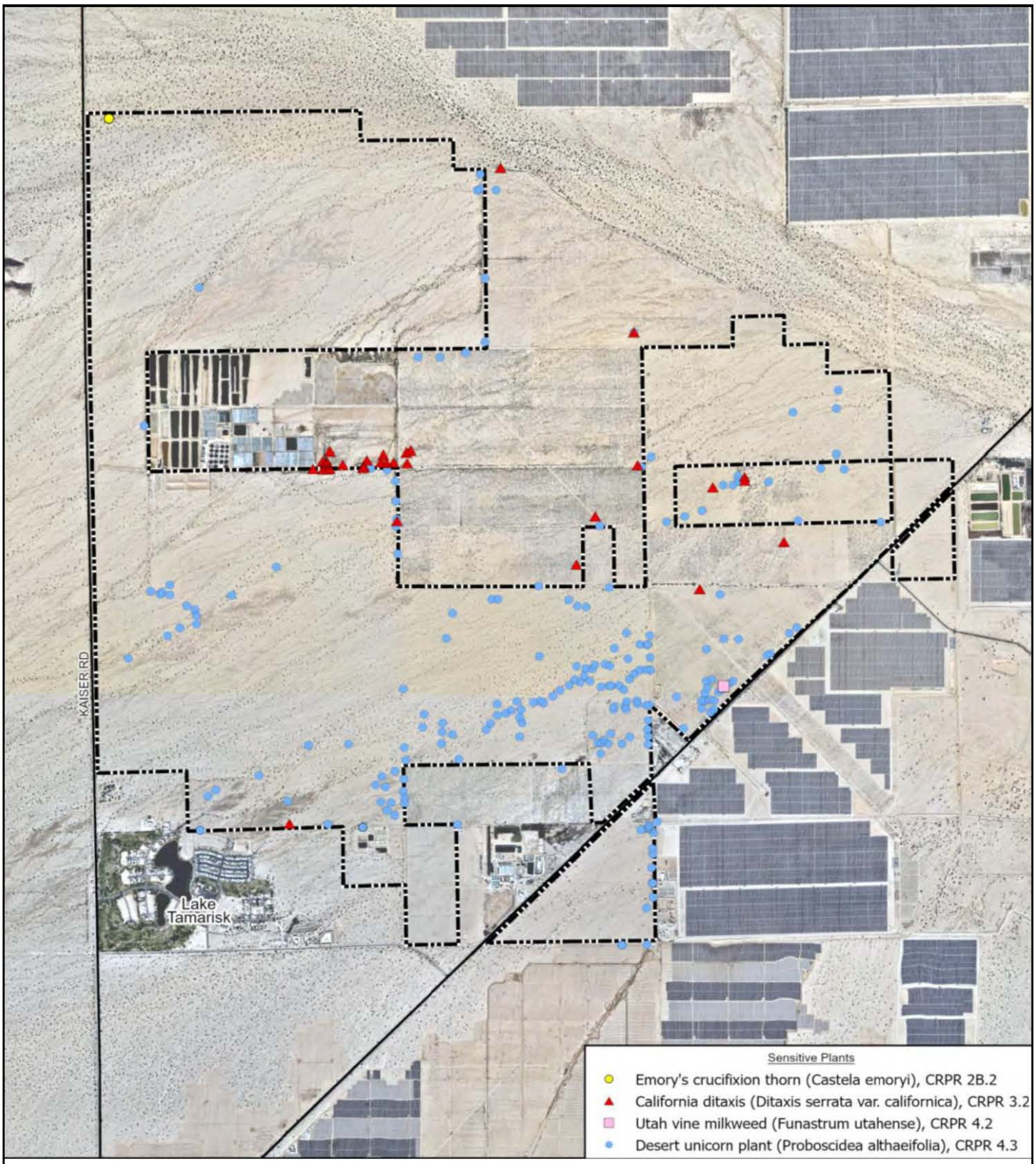
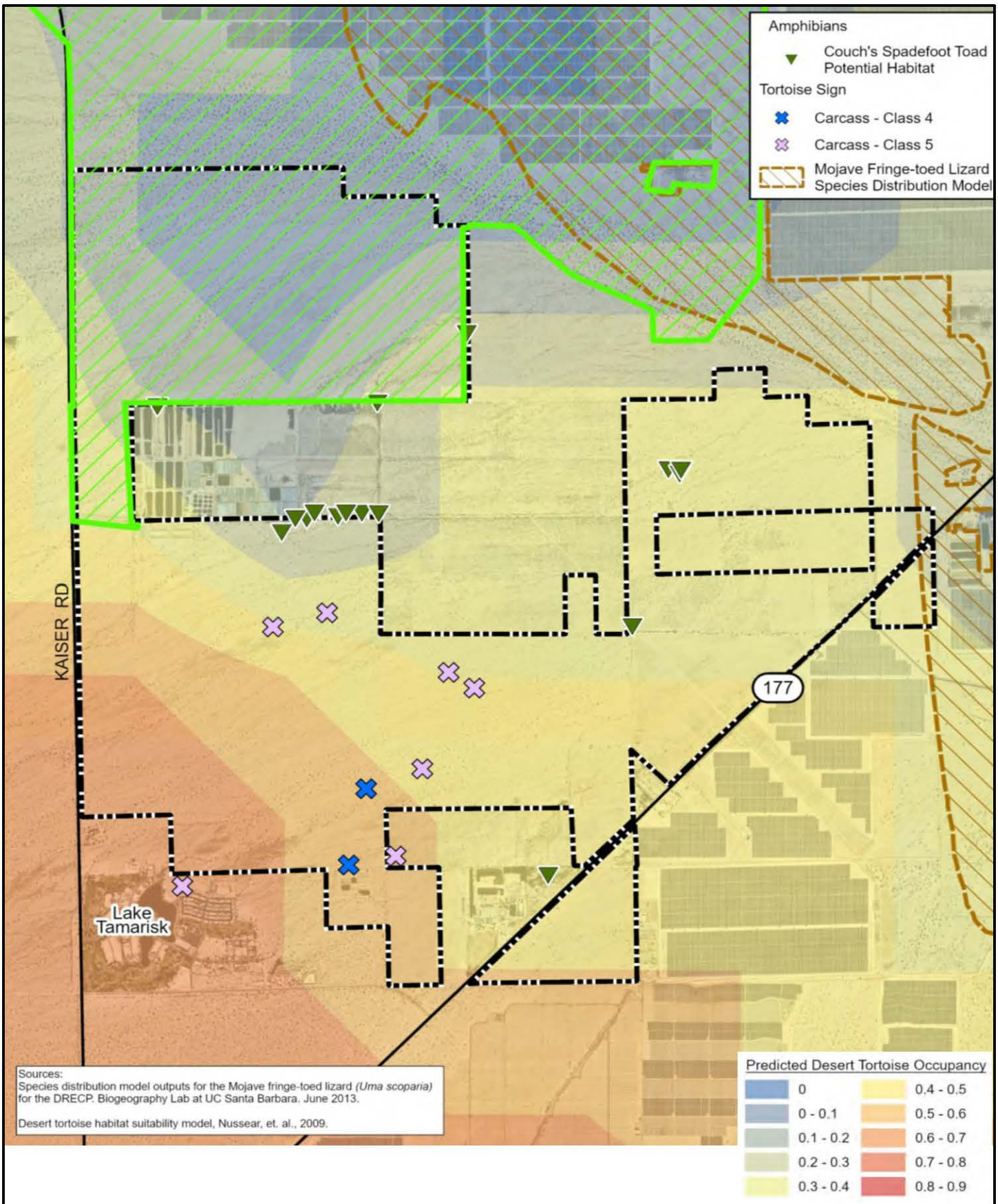


Figure 3.5-4

Special-status Plants



Source: Ironwood, 2023a.

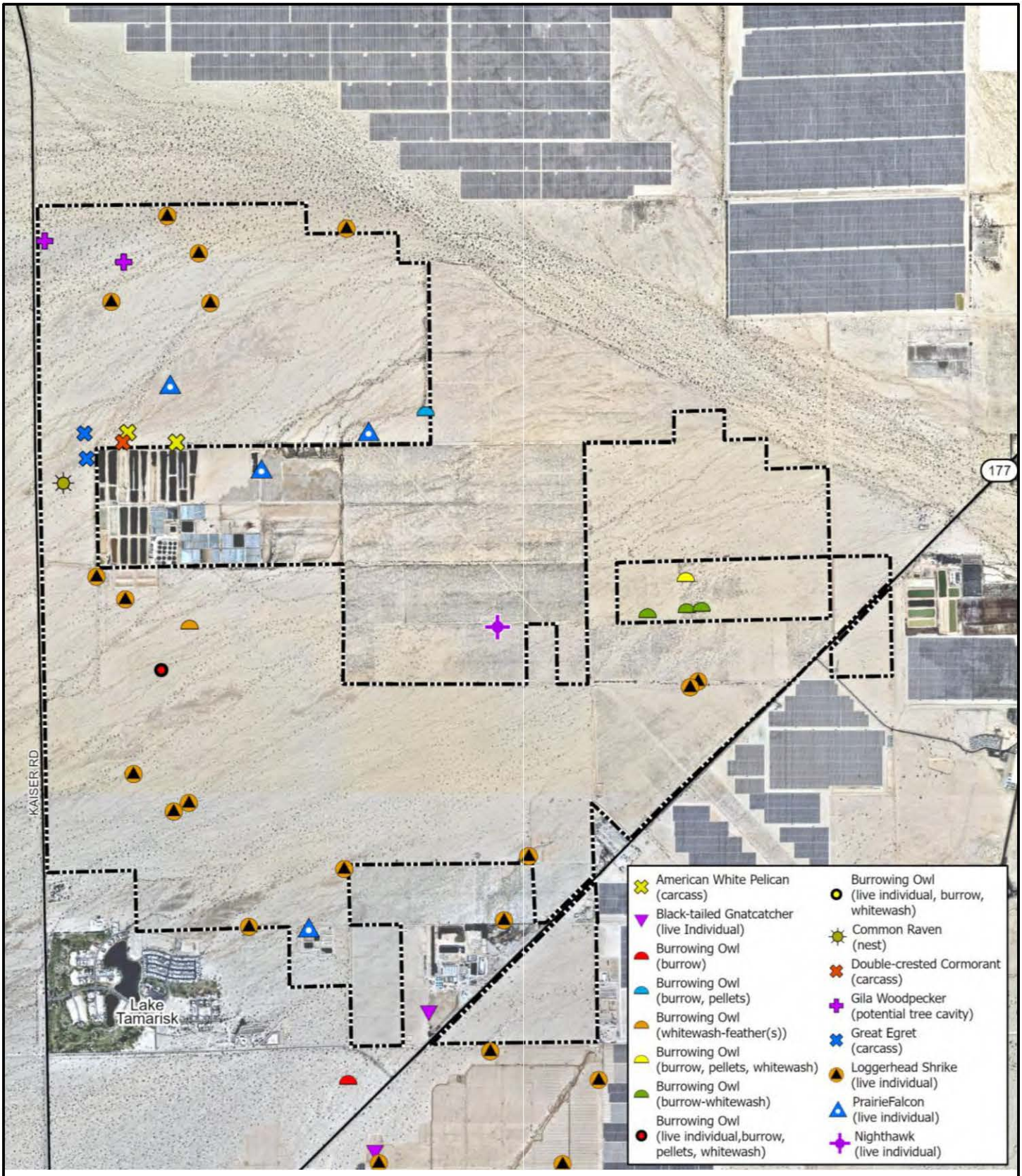
0 1,500 3,000
Feet

Easley Renewable Energy Project Boundary

Pinto Wash Linkage

Figure 3.5-5

Special-status Amphibians and Reptiles

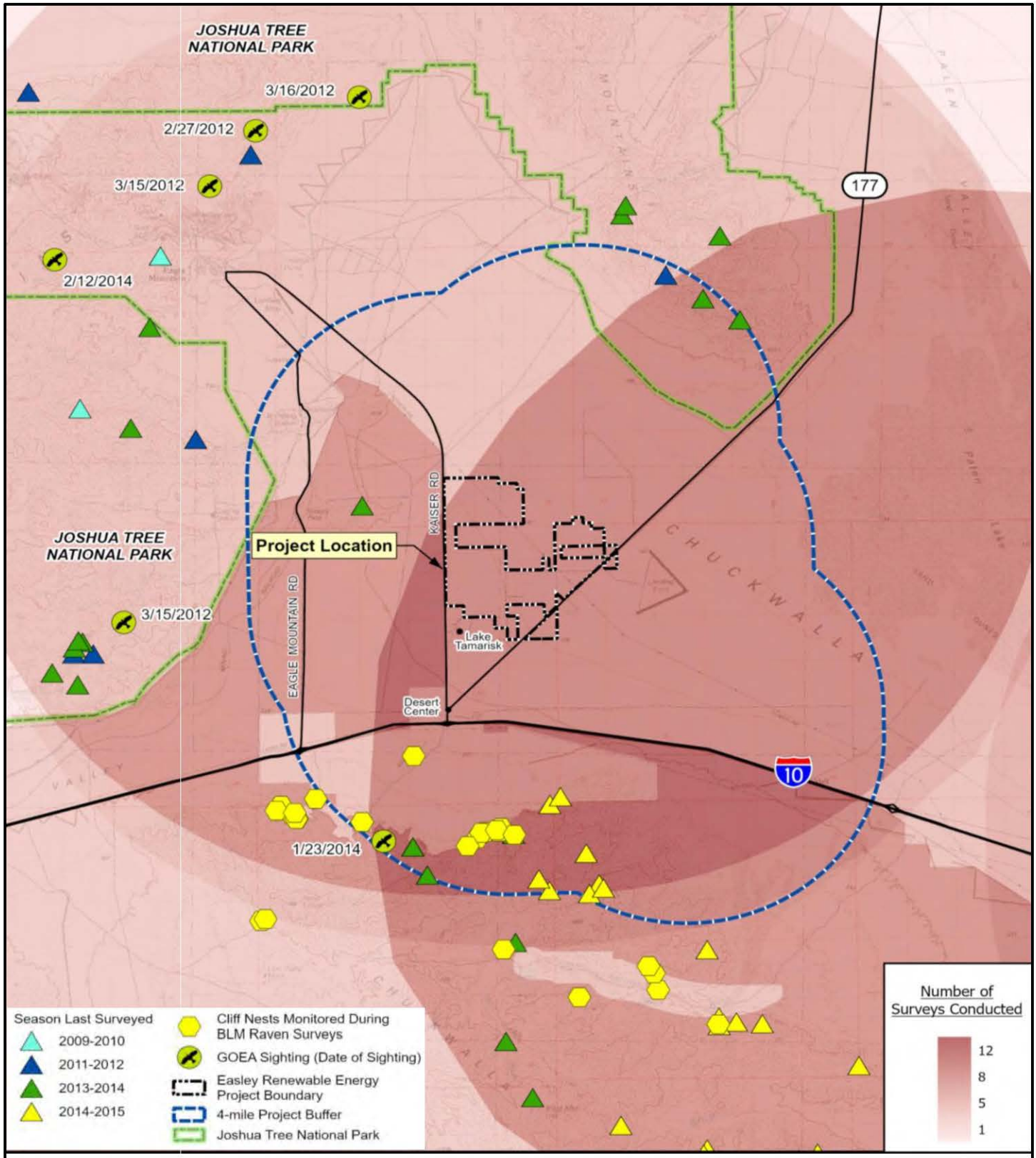


Source: Ironwood, 2023a.

0 2,000 4,000
Feet

Figure 3.5-6

Special-status Birds

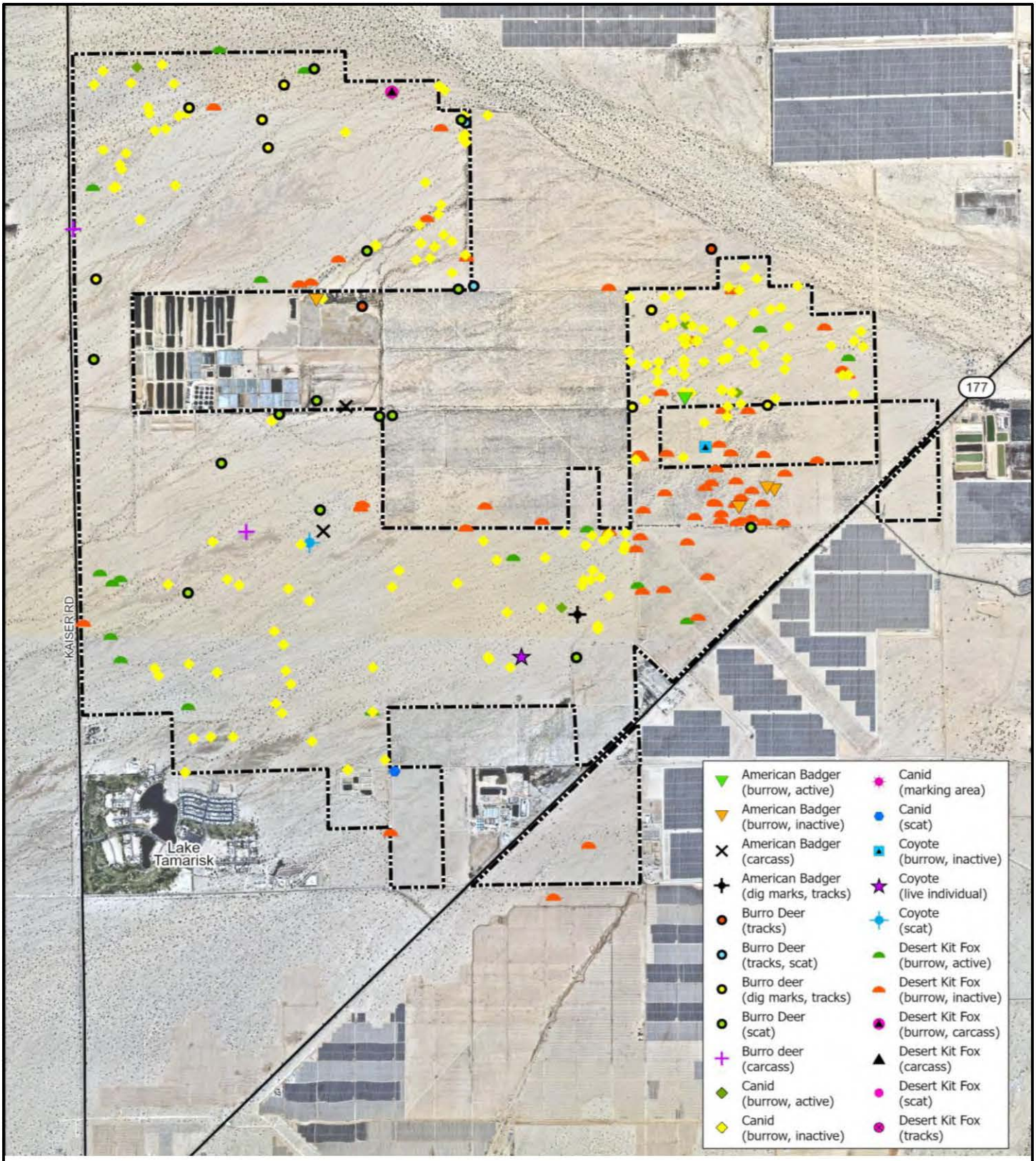


Source: Ironwood, 2023a.

0 2
Miles

Figure 3.5-7

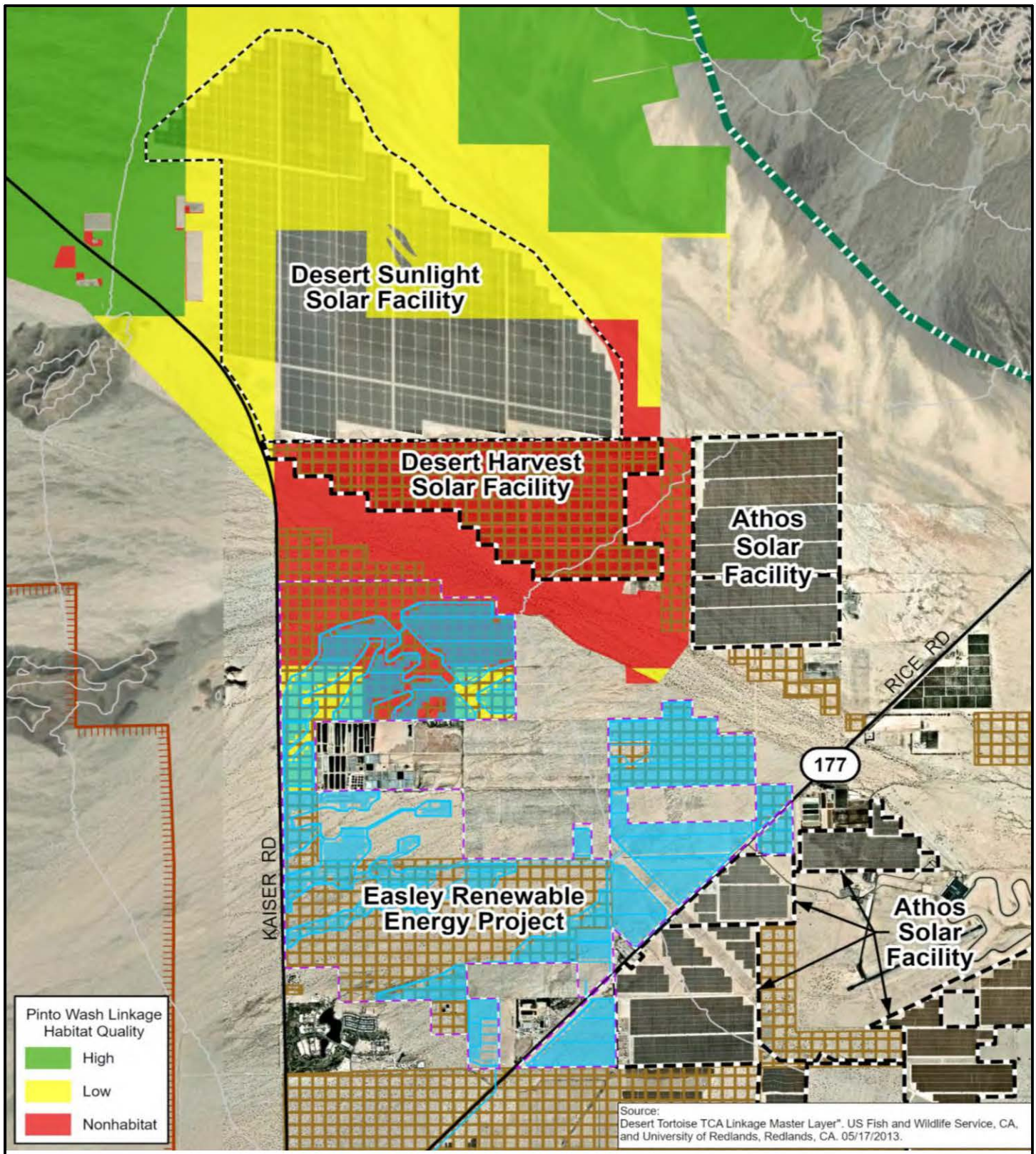
Special-status Birds, Golden Eagle



Source: Ironwood, 2023a.

Figure 3.5-8

Special-status Mammals

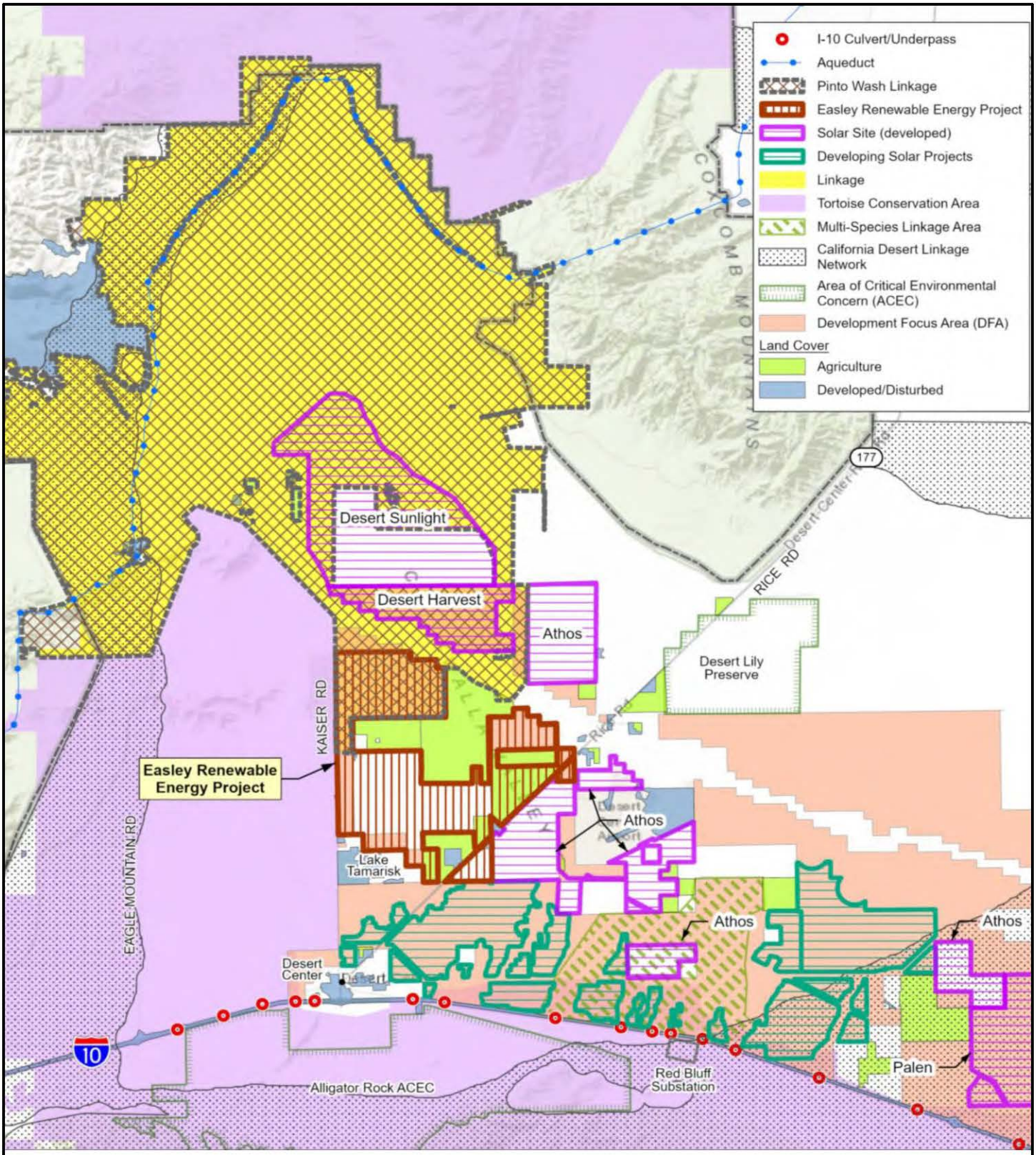


Source: Ironwood, 2023a.

0 2,500 5,000
Feet

Figure 3.5-9

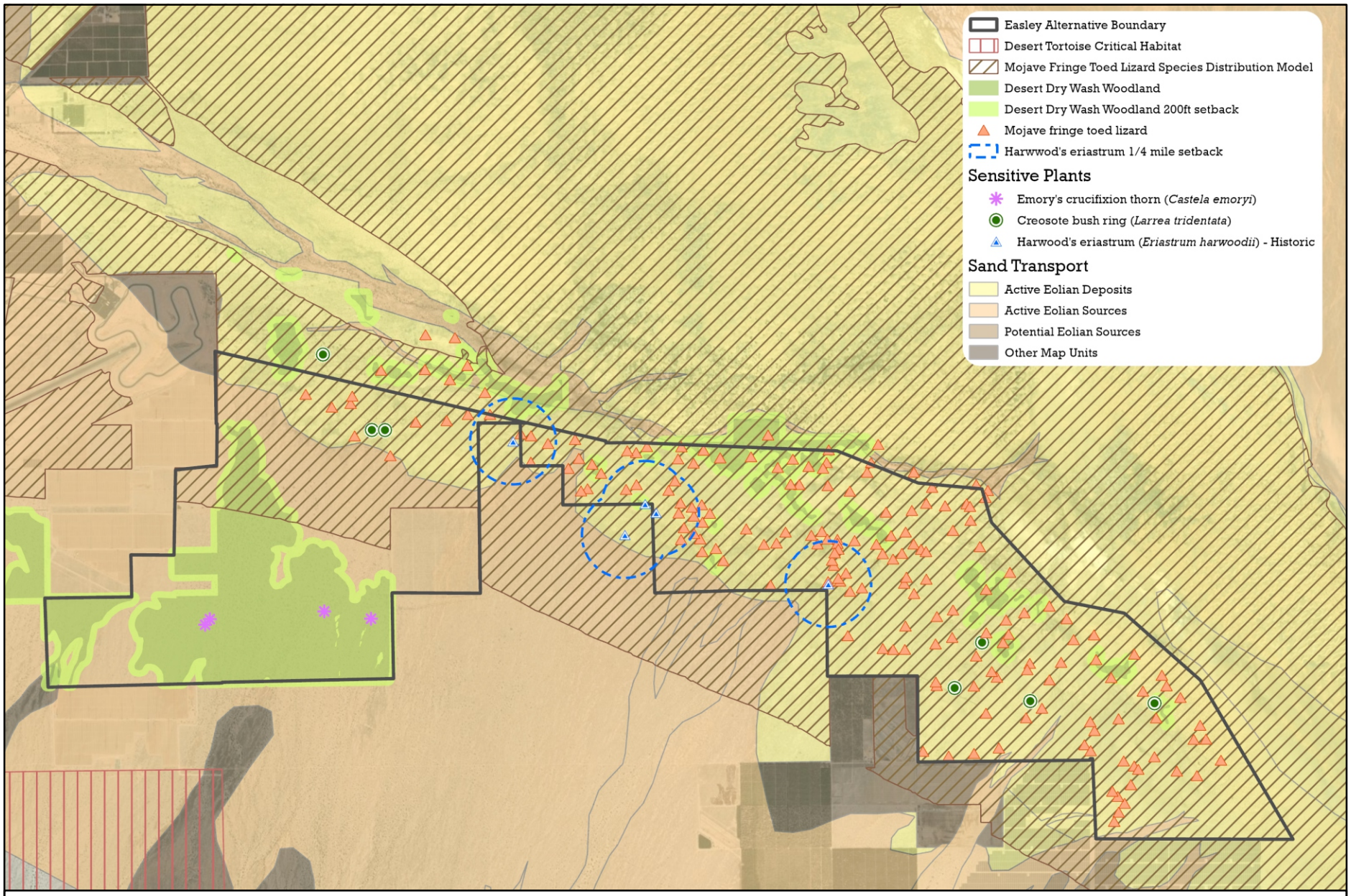
Impacts to Pinto Wash Linkage



Source: Ironwood, 2023a.

Figure 3.5-10

Wildlife Connectivity



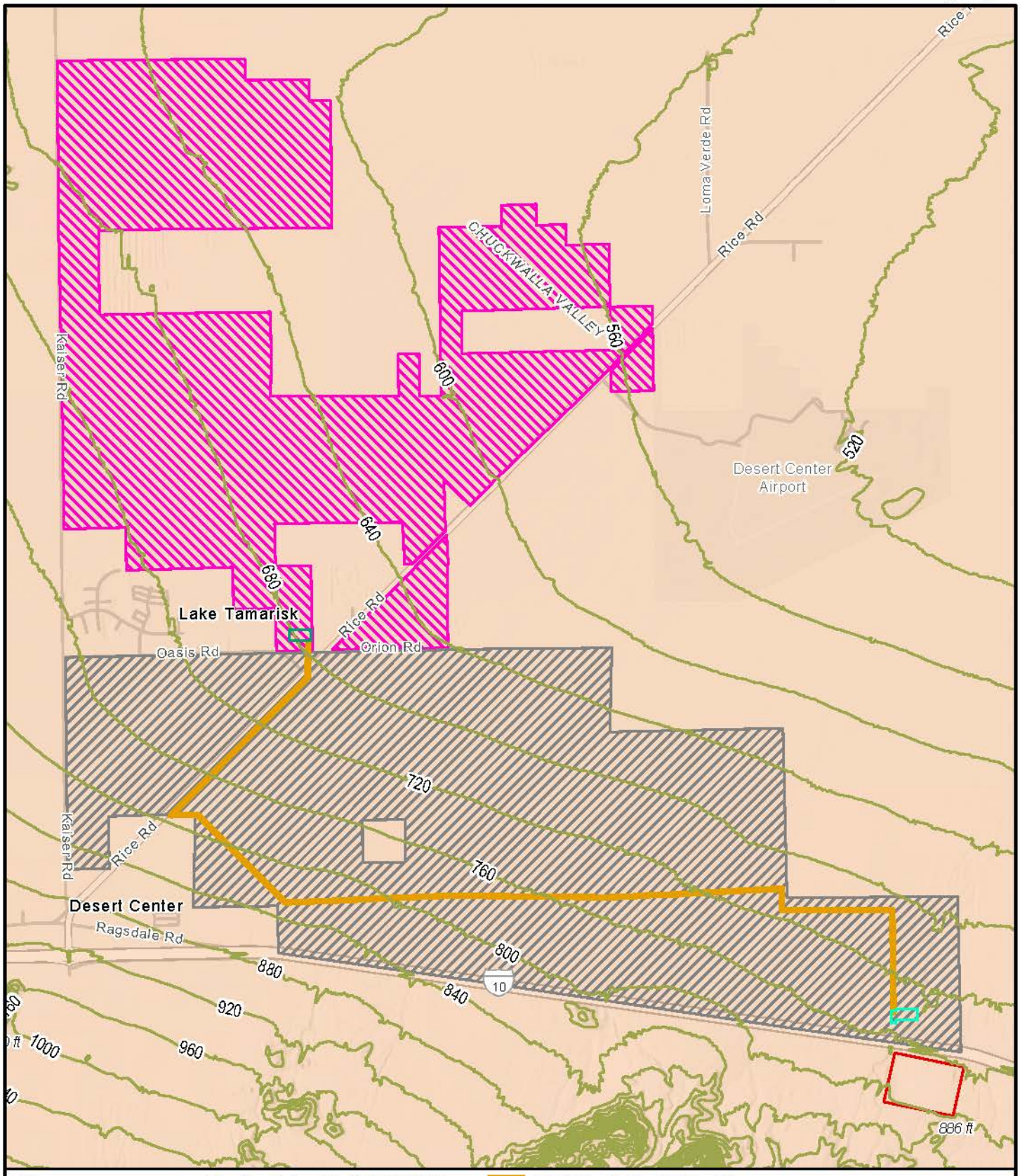
Source: Ironwood, 2024.

0 0.25 0.5 1 Mile

N

Figure 3.5-11

Alternative D:
Offsite Alternative, Biological Resources



Elevation Contour (Feet) (USGS 3DEP, 2020)

FEMA Flood Zone: D, Area of Undetermined Flood Hazard

Easley Renewable Energy Project

500 kV Gen-tie Line (175-ft wide)

Easley Substation

Oberon Renewable Energy Project

Oberon Substation (under construction)

Red Bluff Substation

0 0.5 1 Miles

Figure 3.11-1

Topography

Sources: Esri, 2023; Intersect Power, 2023; USGS, 2022.

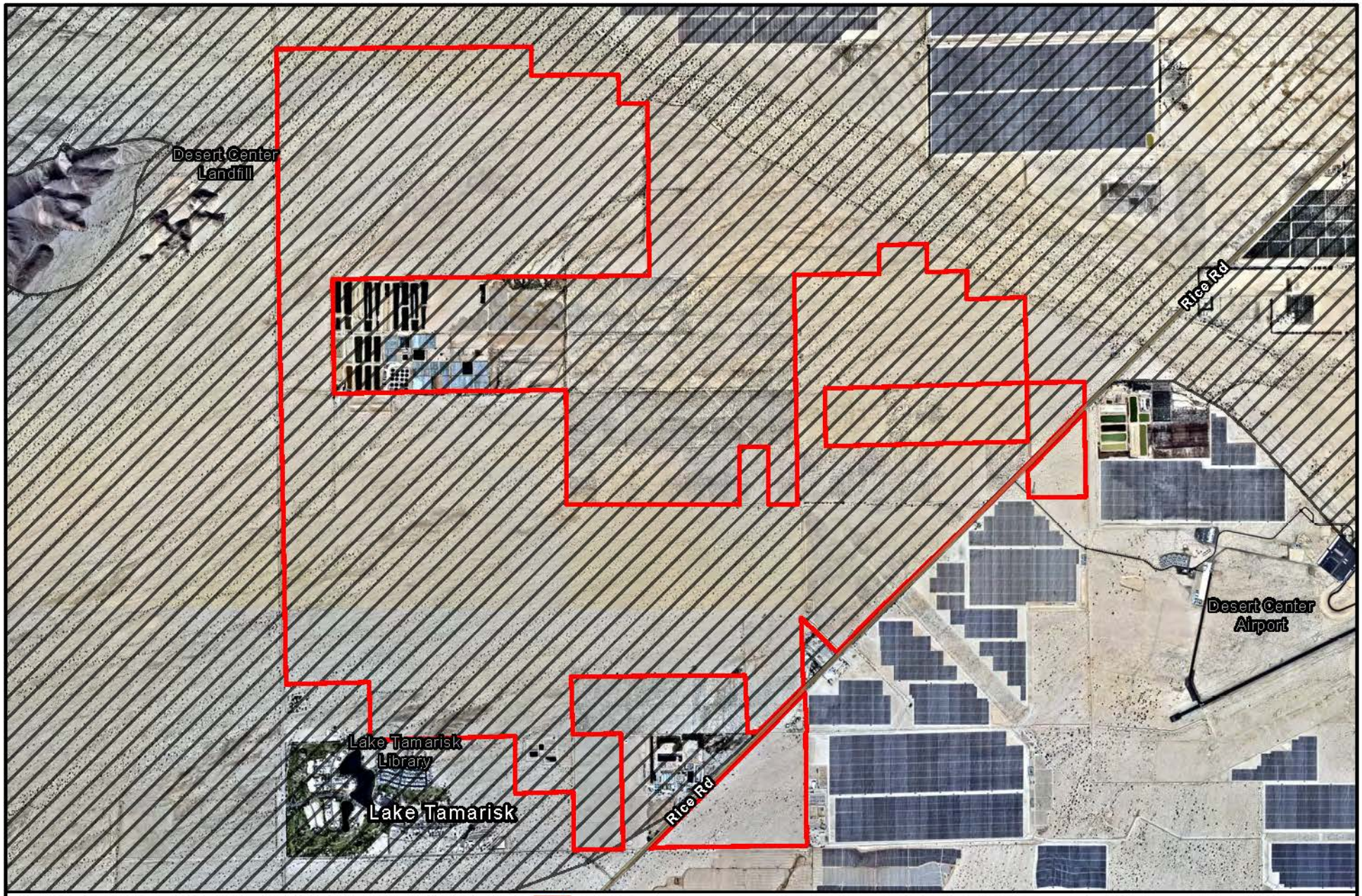


Figure 3.11-2

DWR Flood Awareness

Sources: CA DWR, 2023, Esri, 2023 Intersect Power, 2023; NearMap, 2023.

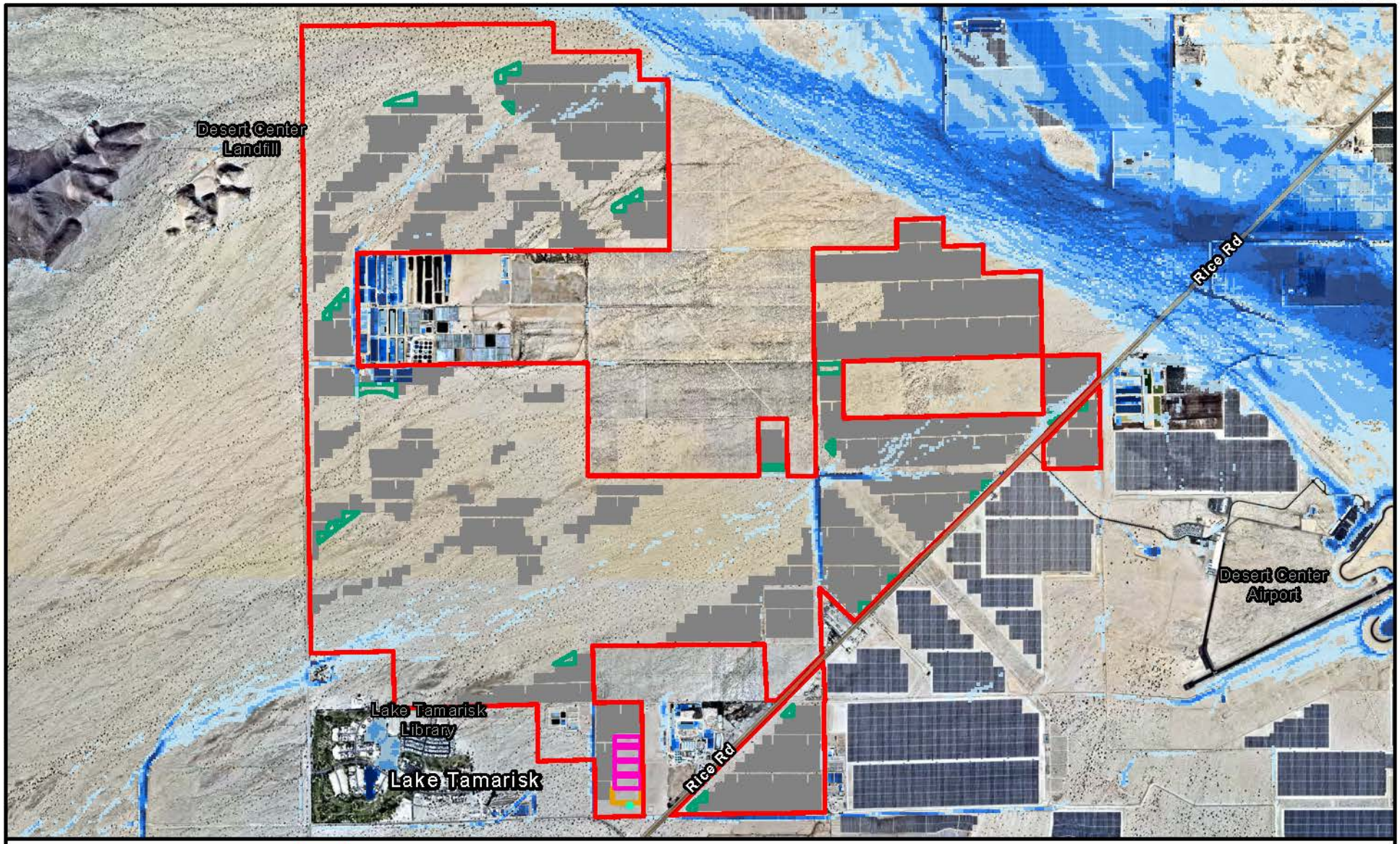


Figure 3.11-3

100-Year Max Flow Depth

Sources: Esri, 2023; Intersect Power, 2023.

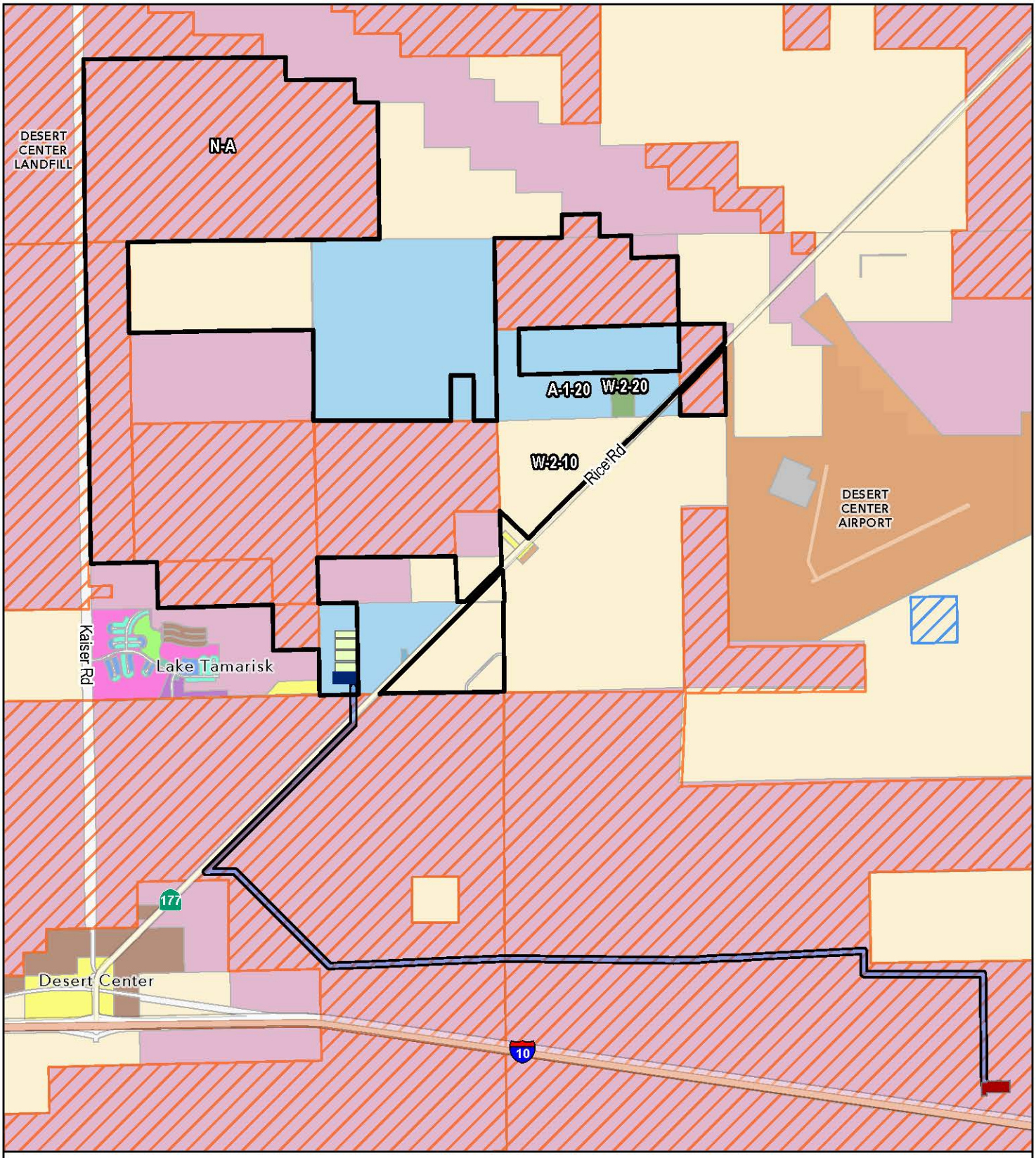


Figure 3.12-1

County Zoning on Project Lands

Sources: BLM, 2023; County of Riverside, 2023; Esri, 2023; Intersect Power, 2023.

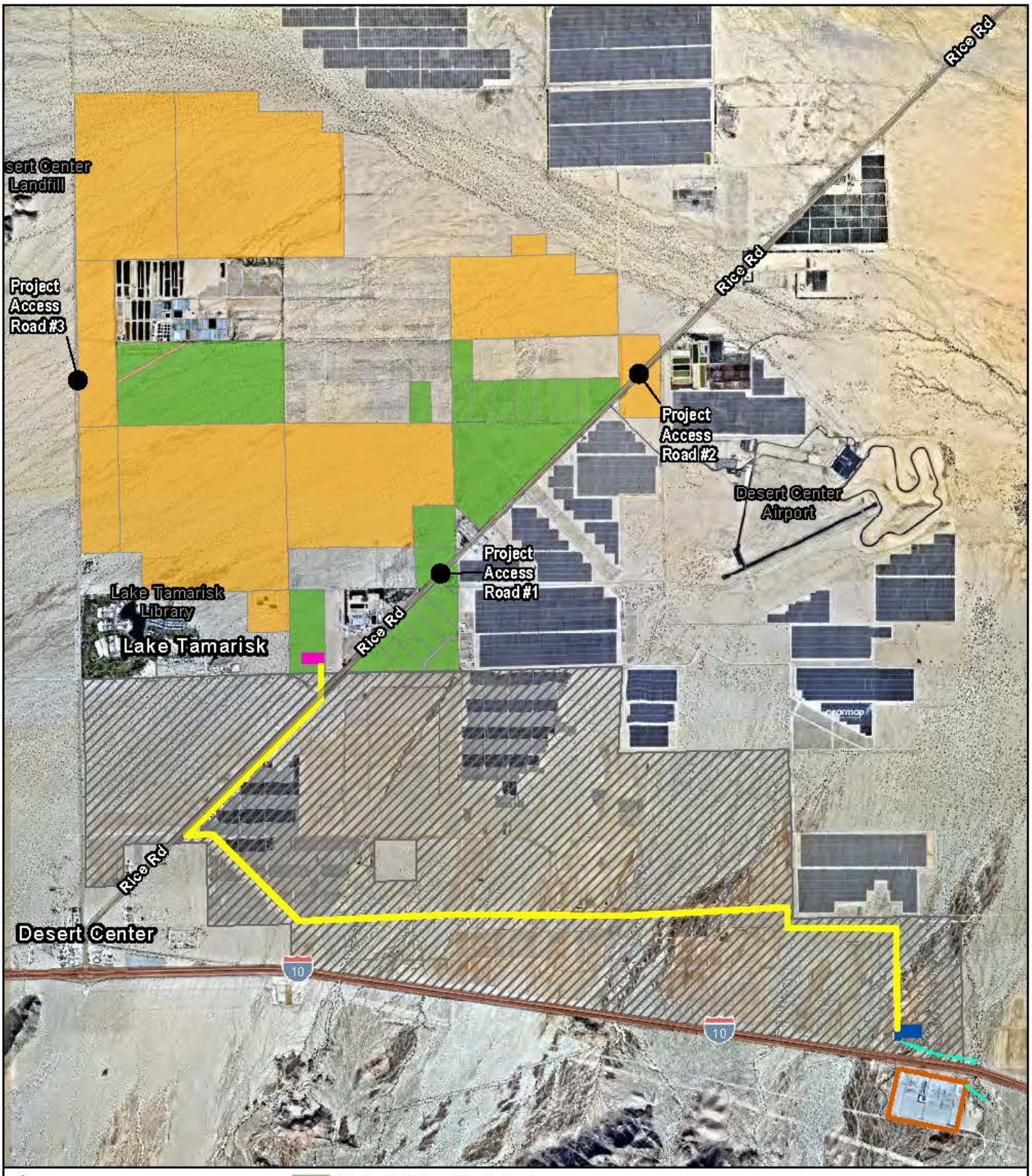
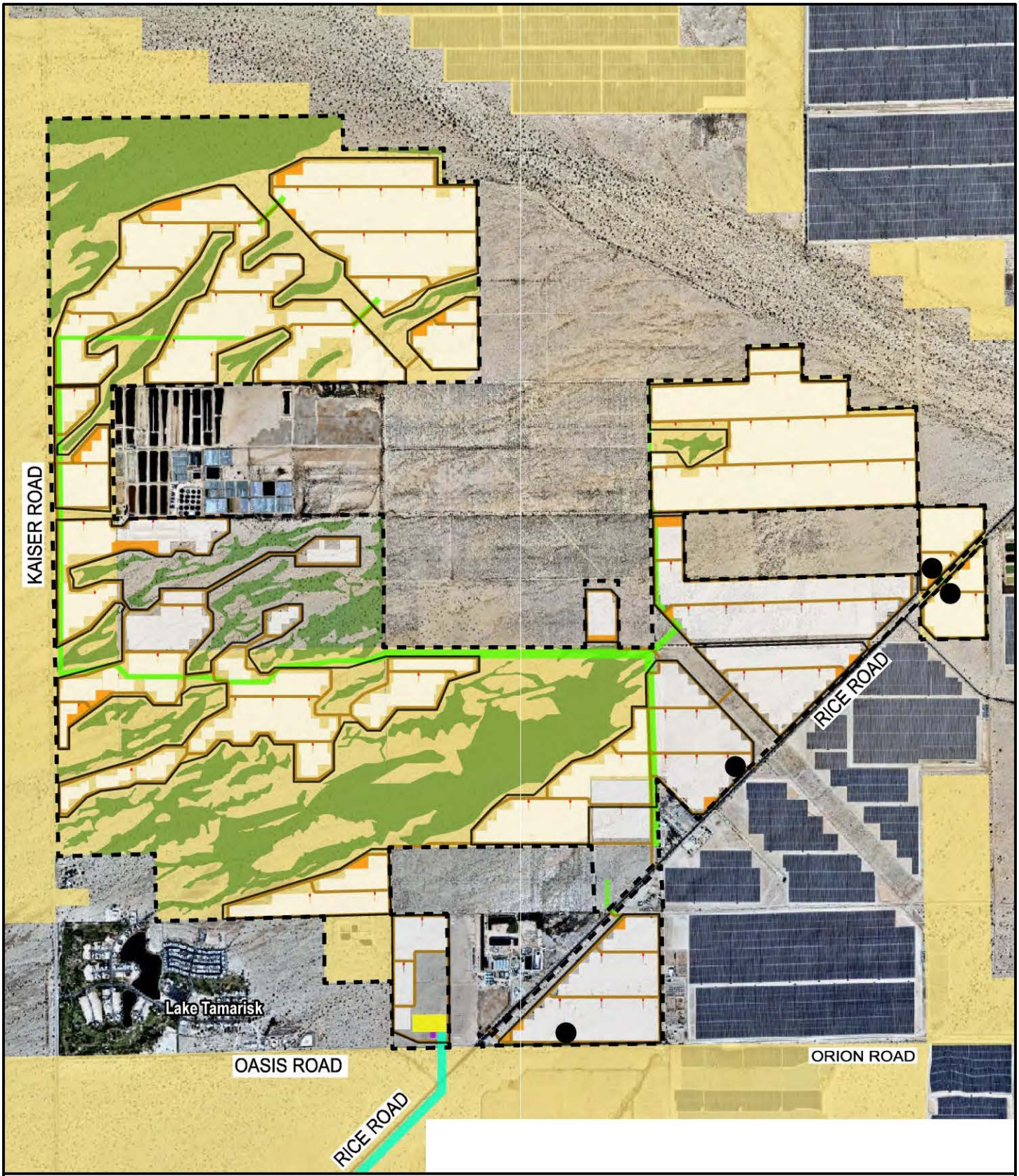


Figure 3.18-1

Easley Project Access



Source: DEA Inc., 2023.

Proposed Project

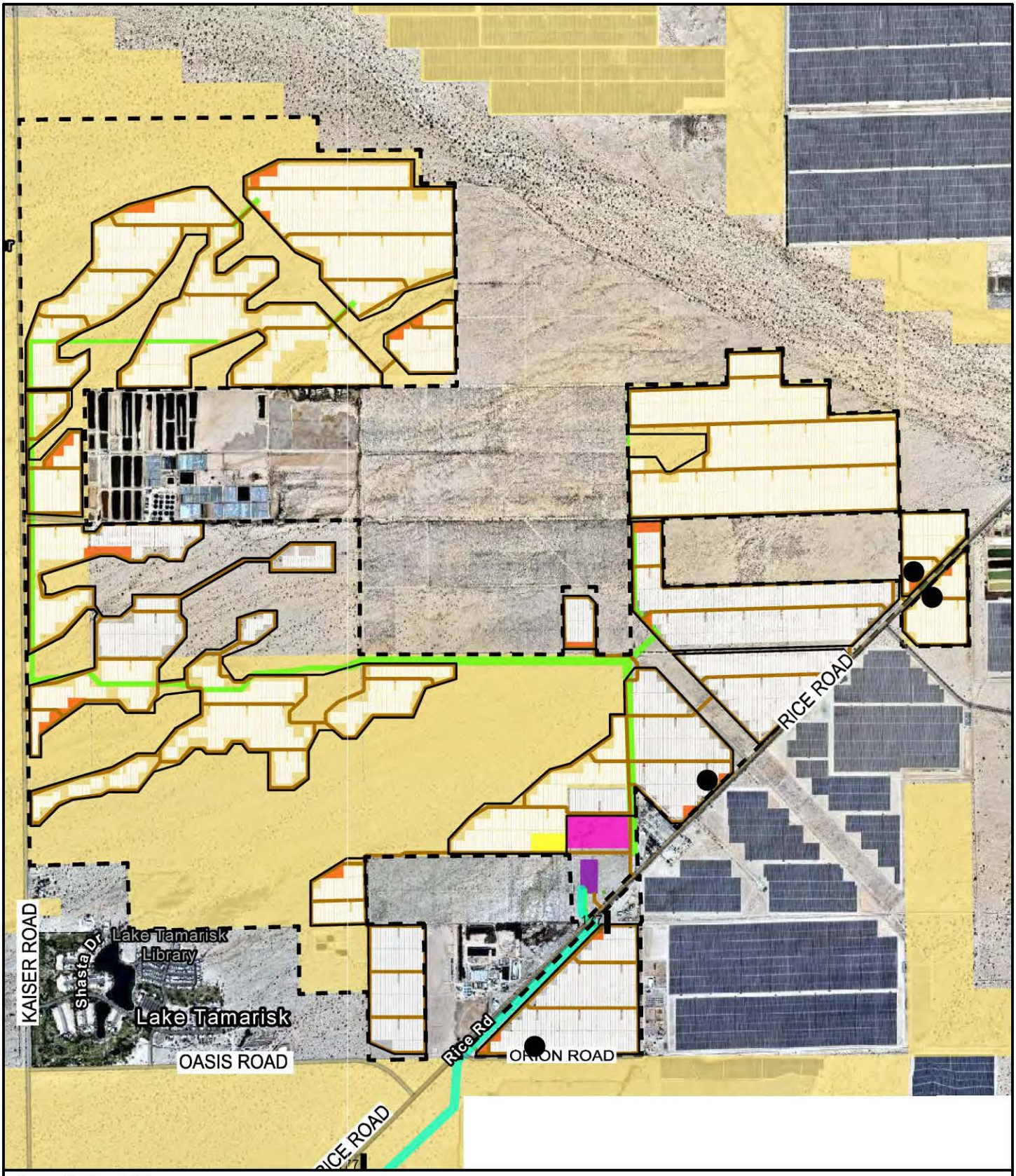
N

NOT TO SCALE

- Easley Renewable Energy Project Boundary
- Fence
- Gen-tie Corridor
- Access Roads
- O & M Facility
- Laydown Yard
- Power Conversion Station (inverter)
- Collection Corridor
- Solar Panel Array
- Substation
- Desert Dry Wash Woodland
- Bureau of Land Management
- TEMPORARY CONSTRUCTION ACCESS

Figure 4-1A

Proposed Project
Temporary Construction Access



Source: DEA Inc., 2023.

Alternative 2, Lake Tamarisk

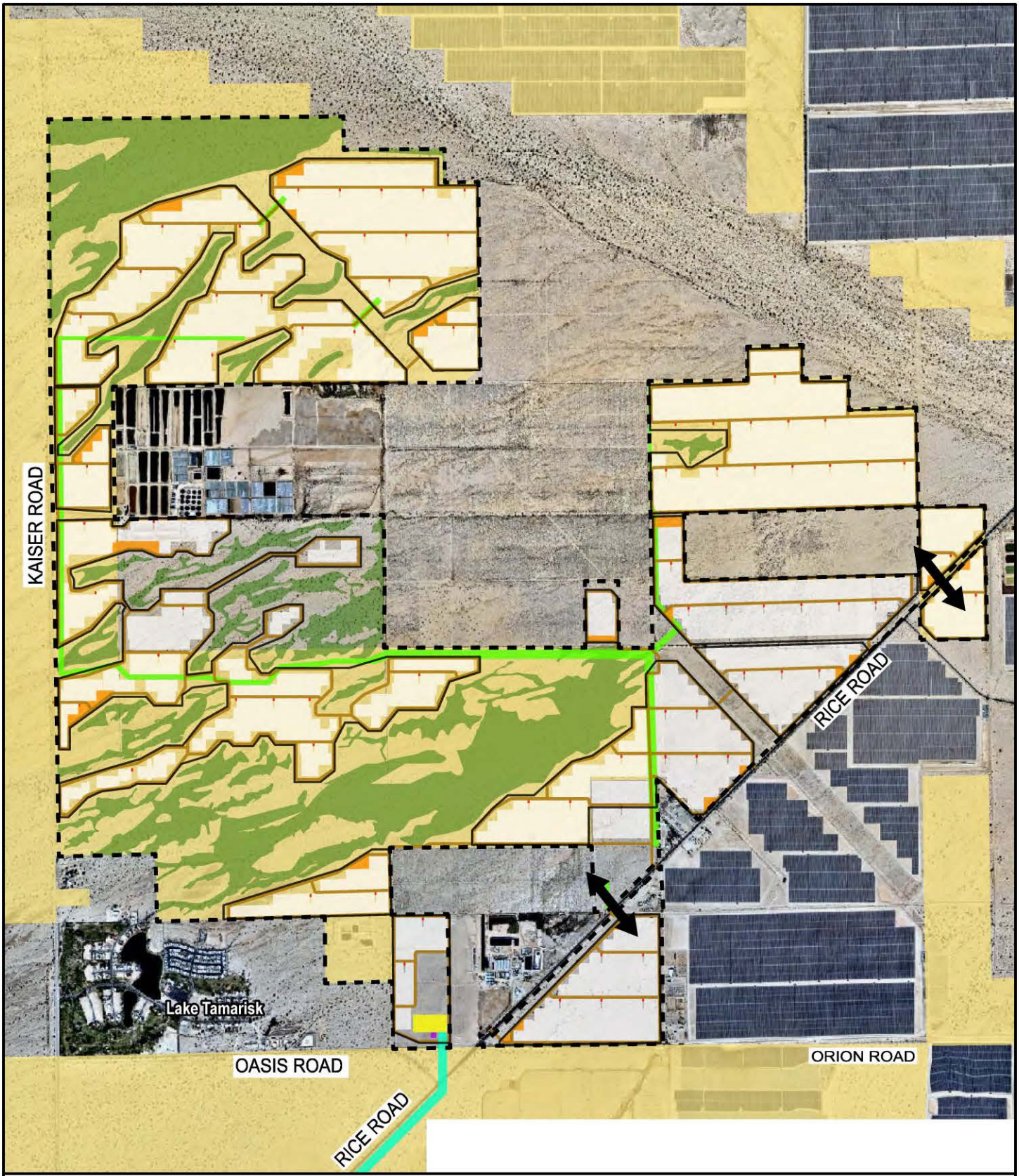
N

NOT TO SCALE

- Easley Renewable Energy Project Boundary
- Fence
- Gen-tie Corridor
- Access Roads
- O & M Facility
- Laydown Yard
- Power Conversion Station (inverter)
- Collection Corridor
- Solar Panel Array
- Alternative Substation Option 1
- Alternative Substation Option 2
- Alternative BESS
- Bureau of Land Management
- TEMPORARY CONSTRUCTION ACCESS

Figure 4-1B

Alternative 2
Temporary Construction Access



Source: DEA Inc., 2023.

Proposed Project

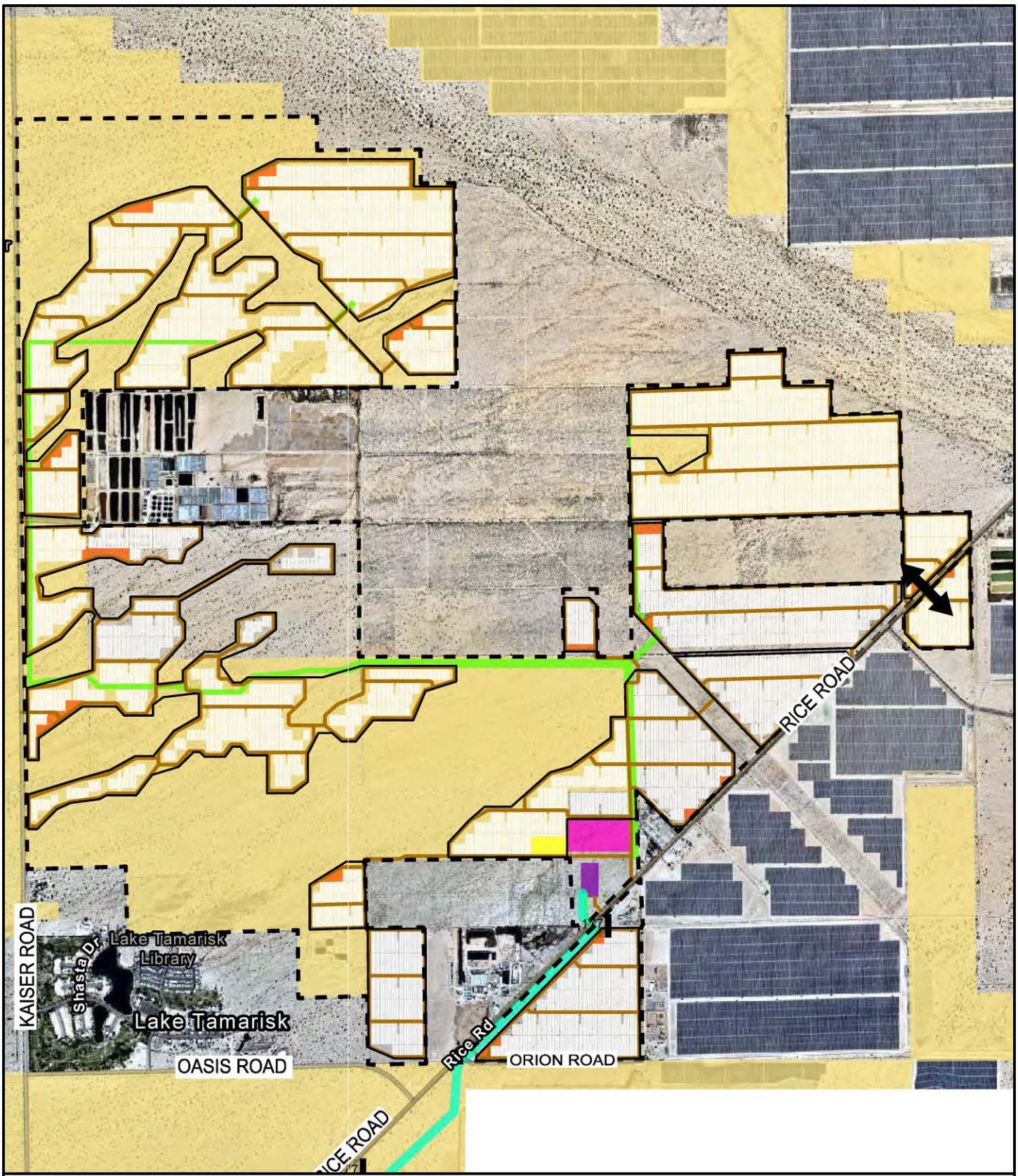
N

NOT TO SCALE

- Easley Renewable Energy Project Boundary
- Fence
- Gen-tie Corridor
- Access Roads
- O & M Facility
- Laydown Yard
- Power Conversion Station (inverter)
- Collection Corridor
- Solar Panel Array
- Substation
- Desert Dry Wash Woodland
- Bureau of Land Management
- UNDERGROUND/OVERHEAD UTILITY CROSSINGS

Figure 4-2A

Proposed Project
Medium Voltage Line Crossing



Source: DEA Inc., 2023.

Alternative 2, Lake Tamarisk

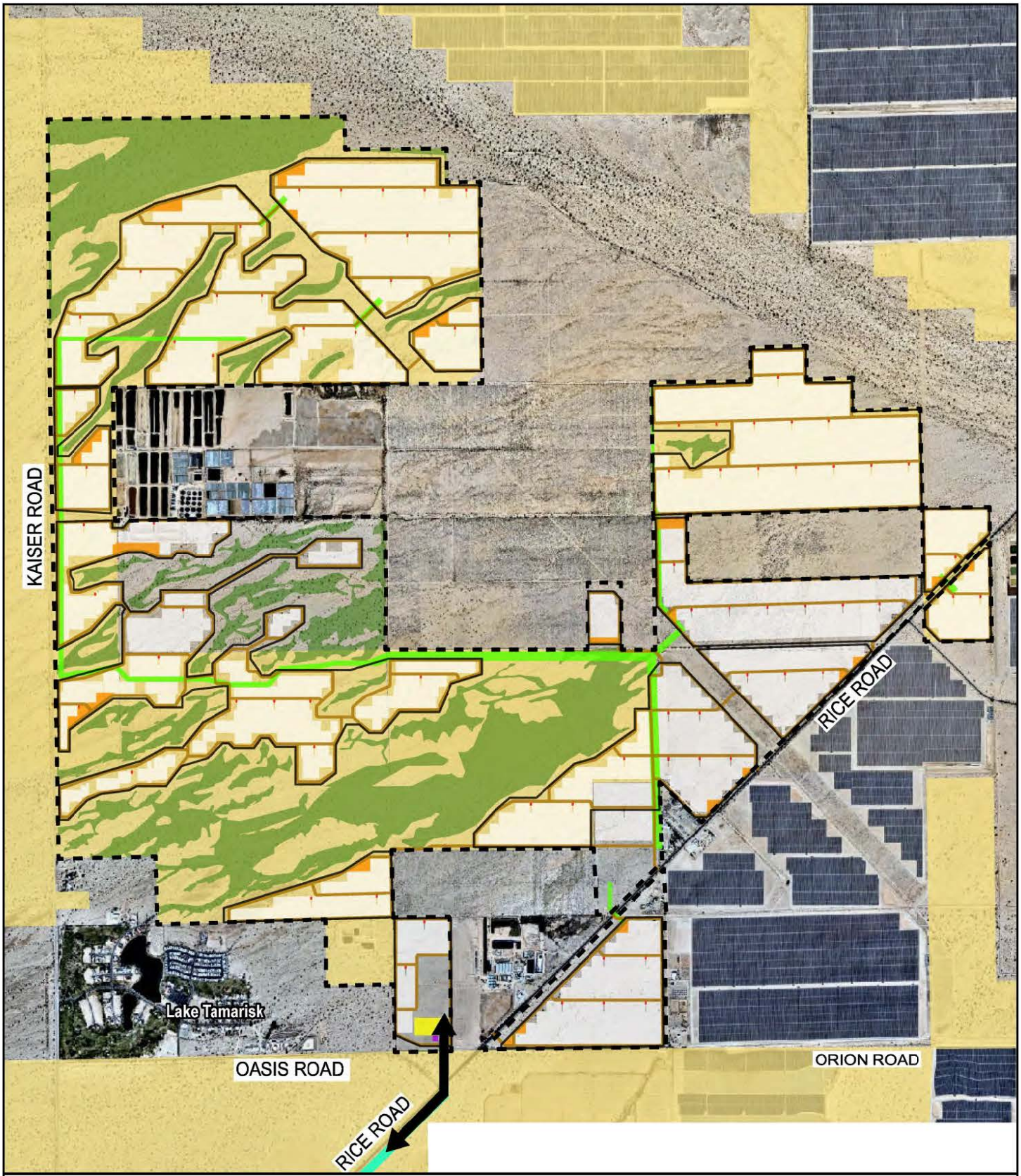
N

NOT TO SCALE

- Easley Renewable Energy Project Boundary
- Fence
- Gen-tie Corridor
- Access Roads
- O & M Facility
- Laydown Yard
- Power Conversion Station (inverter)
- Collection Corridor
- Solar Panel Array
- Alternative Substation Option 1
- Alternative Substation Option 2
- Alternative BESS
- Bureau of Land Management
- UNDERGROUND/OVERHEAD UTILITY CROSSINGS

Figure 4-2B

Alternative 2
Medium Voltage Line Crossing



Source: DEA Inc., 2023.

Proposed Project

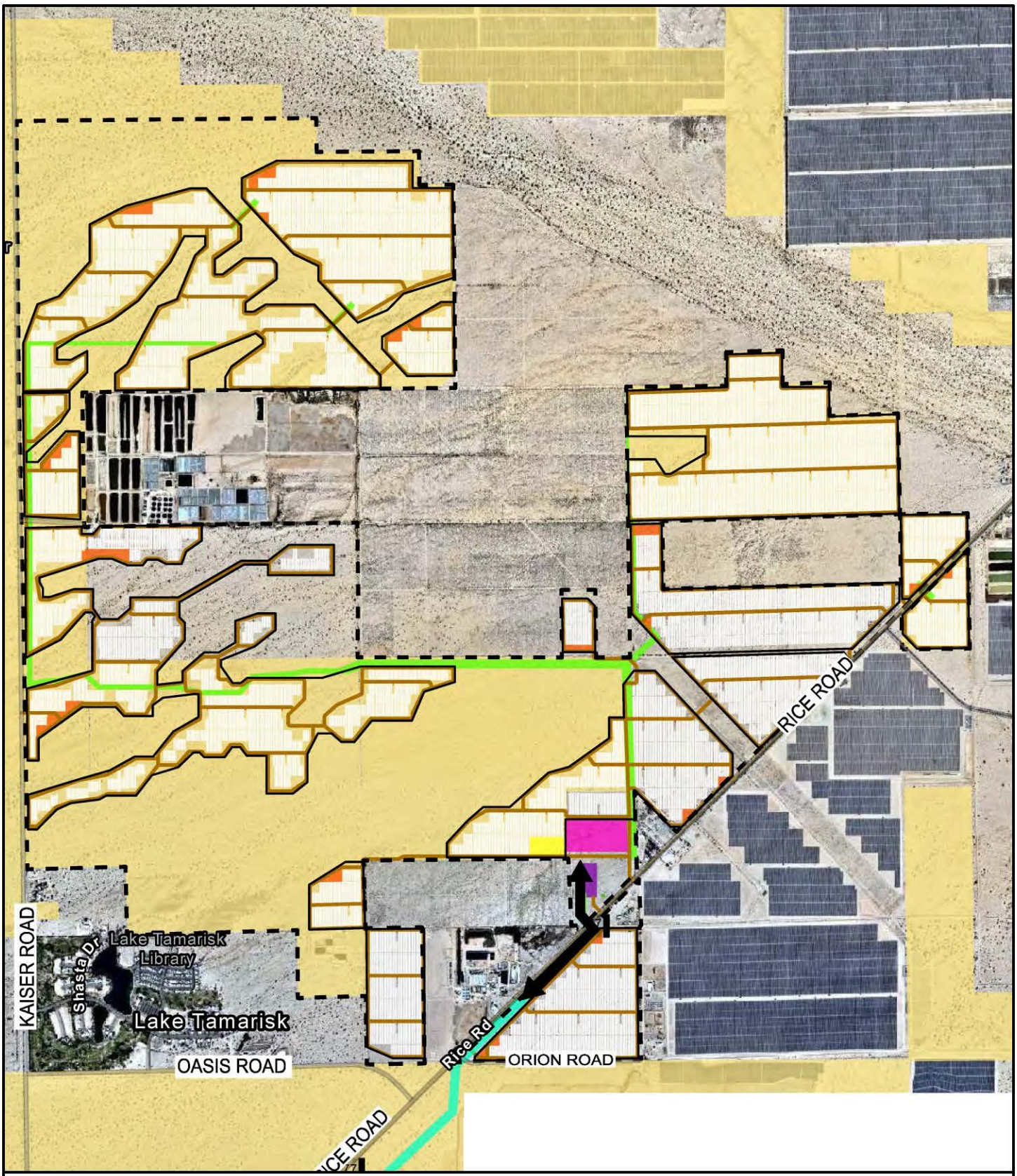
N

NOT TO SCALE

- Easley Renewable Energy Project Boundary
- Fence
- Gen-tie Corridor
- Access Roads
- O & M Facility
- Laydown Yard
- Power Conversion Station (inverter)
- Collection Corridor
- Solar Panel Array
- Substation
- Desert Dry Wash Woodland
- Bureau of Land Management
- GEN-TIE OVERHEAD CROSSINGS

Figure 4-3A

Proposed Project Gen-tie Crossing

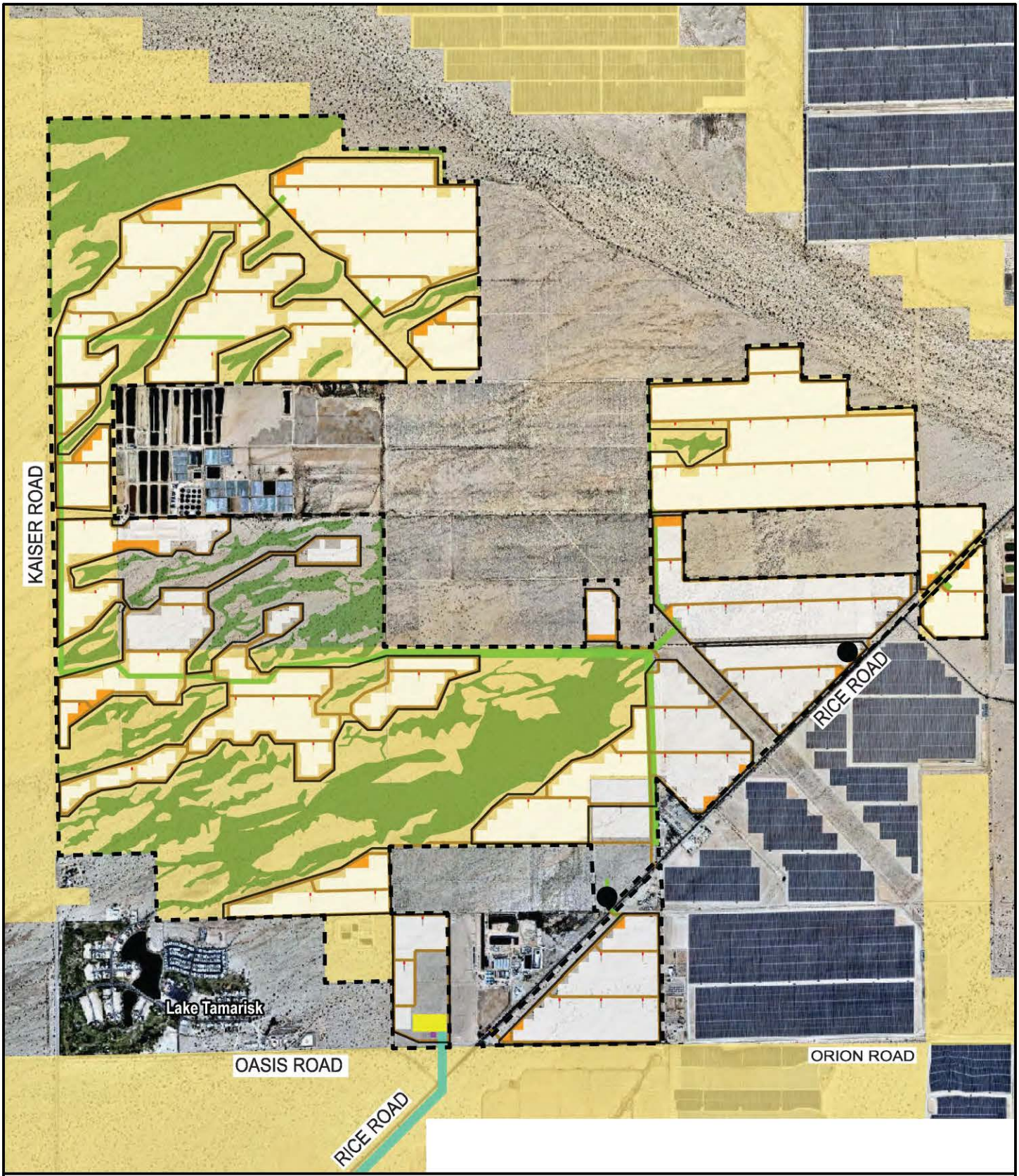


Source: DEA Inc., 2023.

Alternative 2, Lake Tamarisk

Figure 4-3B

Alternative 2
Gen-tie Crossing



Source: DEA Inc., 2023.

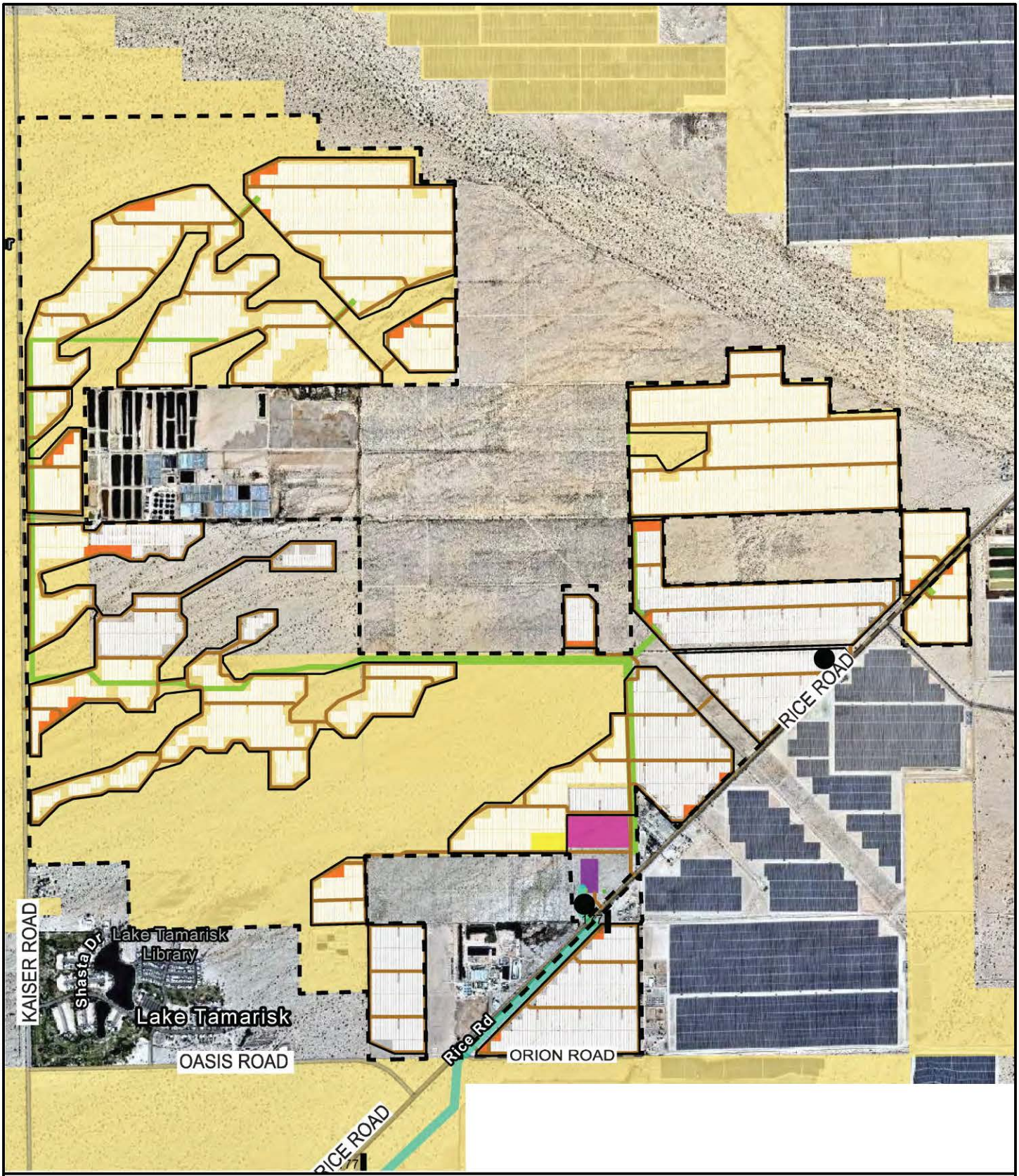
Proposed Project

N
NOT TO SCALE

- Easley Renewable Energy Project Boundary
- Fence
- Gen-tie Corridor
- Access Roads
- O & M Facility
- Laydown Yard
- PERMANENT PROJECT ACCESS
- Power Conversion Station (inverter)
- Collection Corridor
- Solar Panel Array
- Substation
- Desert Dry Wash Woodland
- Bureau of Land Management

Figure 4-4A

Proposed Project Permanent Operations Access



Source: DEA Inc., 2023.

Alternative 2, Lake Tamarisk

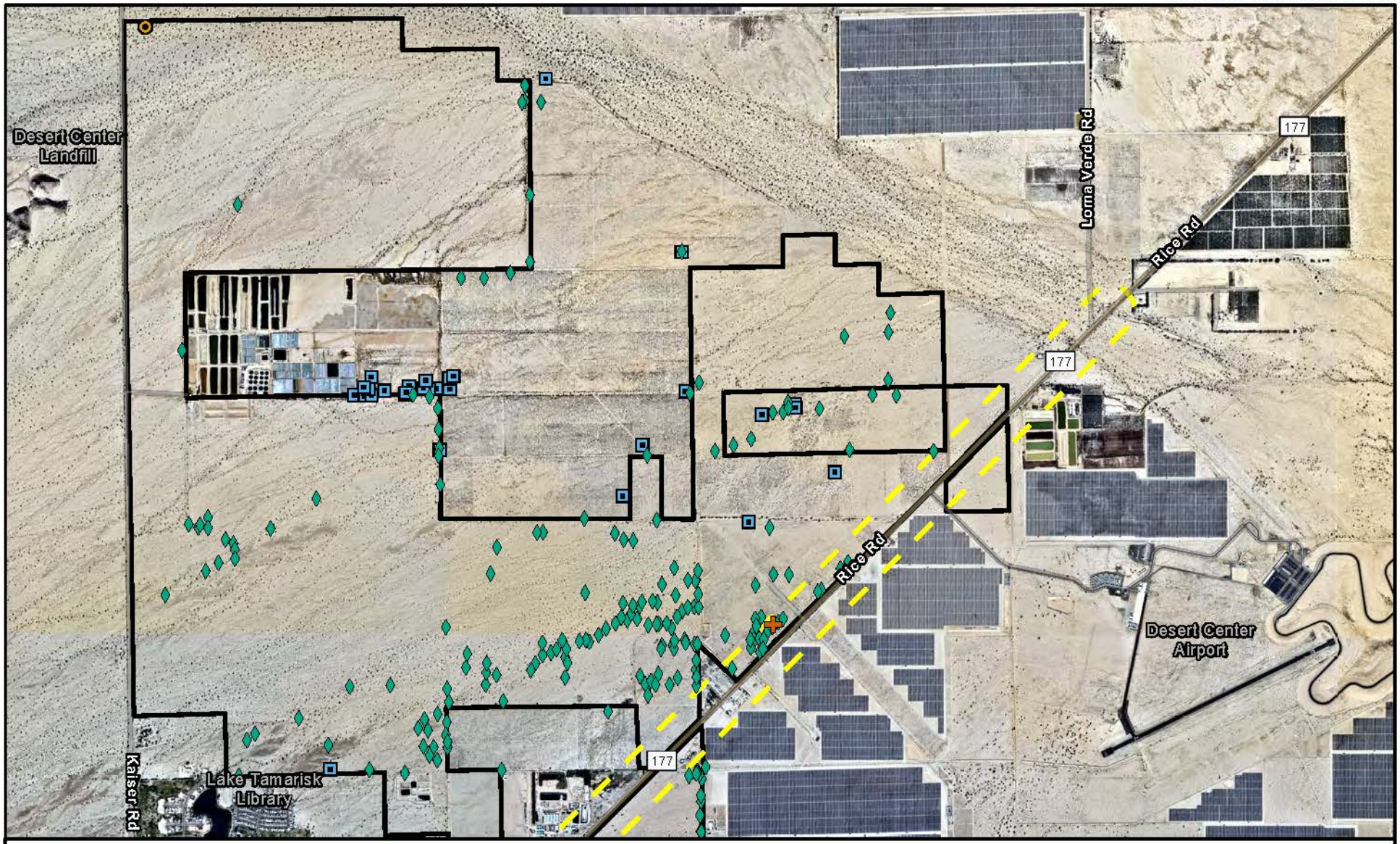
N

NOT TO SCALE

- Easley Renewable Energy Project Boundary
- Fence
- Gen-tie Corridor
- Access Roads
- O & M Facility
- Laydown Yard
- Power Conversion Station (inverter)
- PERMANENT PROJECT ACCESS
- Collection Corridor
- Solar Panel Array
- Alternative Substation Option 1
- Alternative Substation Option 2
- Alternative BESS
- Bureau of Land Management

Figure 4-4B

Alternative 2
Permanent Operations Access



Rice Road Potential Permitting Area
Easley Renewable Energy Project

Special-Status Plants
- Castela emoryi (Emory's crucifixion thorn)
- Funastrum utahense (Utah vine milkweed)
- Ditaxis serrata var. californica (California ditaxis)
- Proboscidea althaeifolia (Desert unicorn plant)
- Tamarix sp. (Tamarisk)

0 0.5 1 Miles

Figure 4-5A

Special-Status Plants

Sources: Esri, 2023; Intersect Power, 2023; Ironwood, 2023; NearMap, 2023.

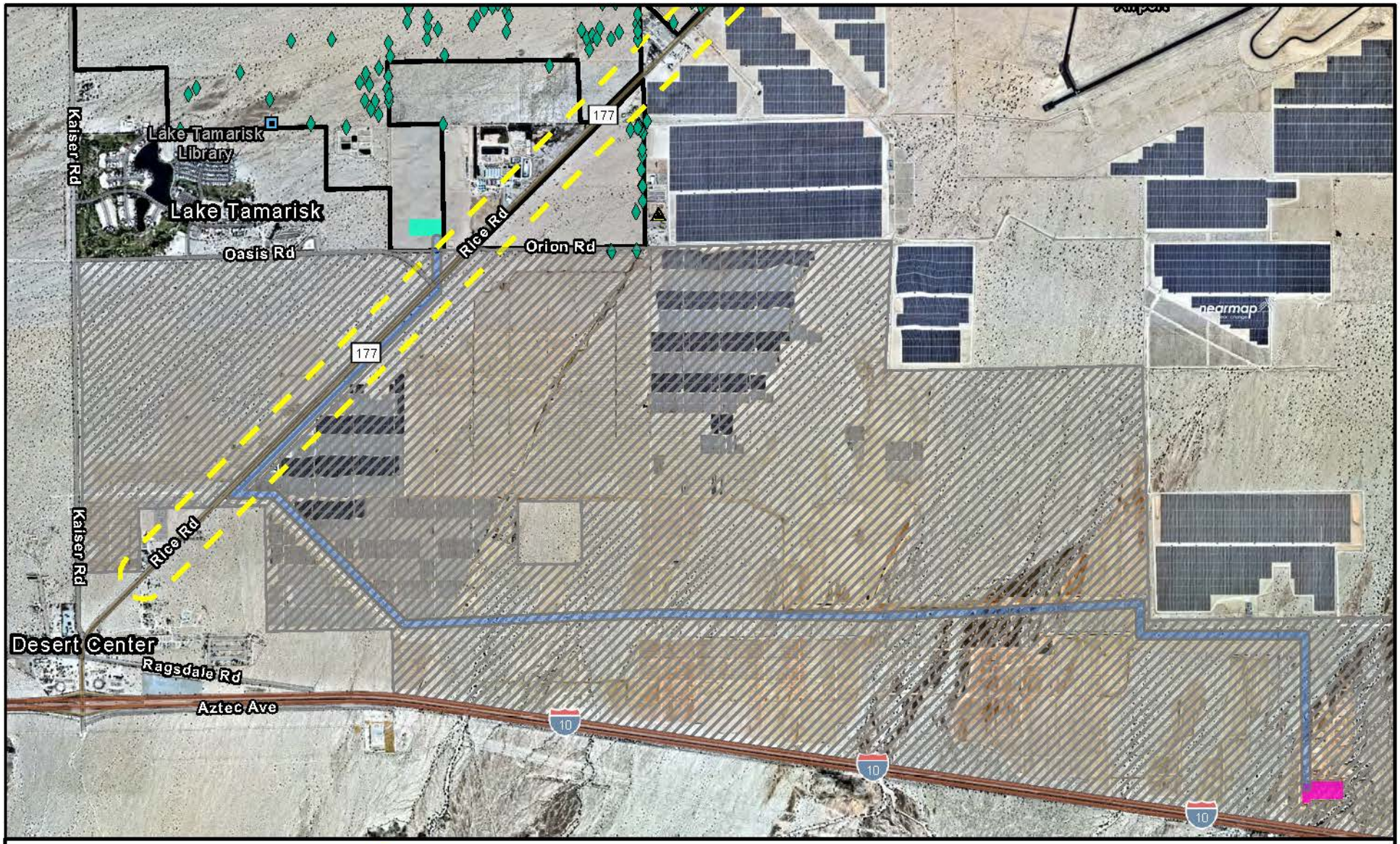


Figure 4-5B

Special-Status Plants

Sources: Esri, 2023; Intersect Power, 2023; Ironwood, 2023; NearMap, 2023.

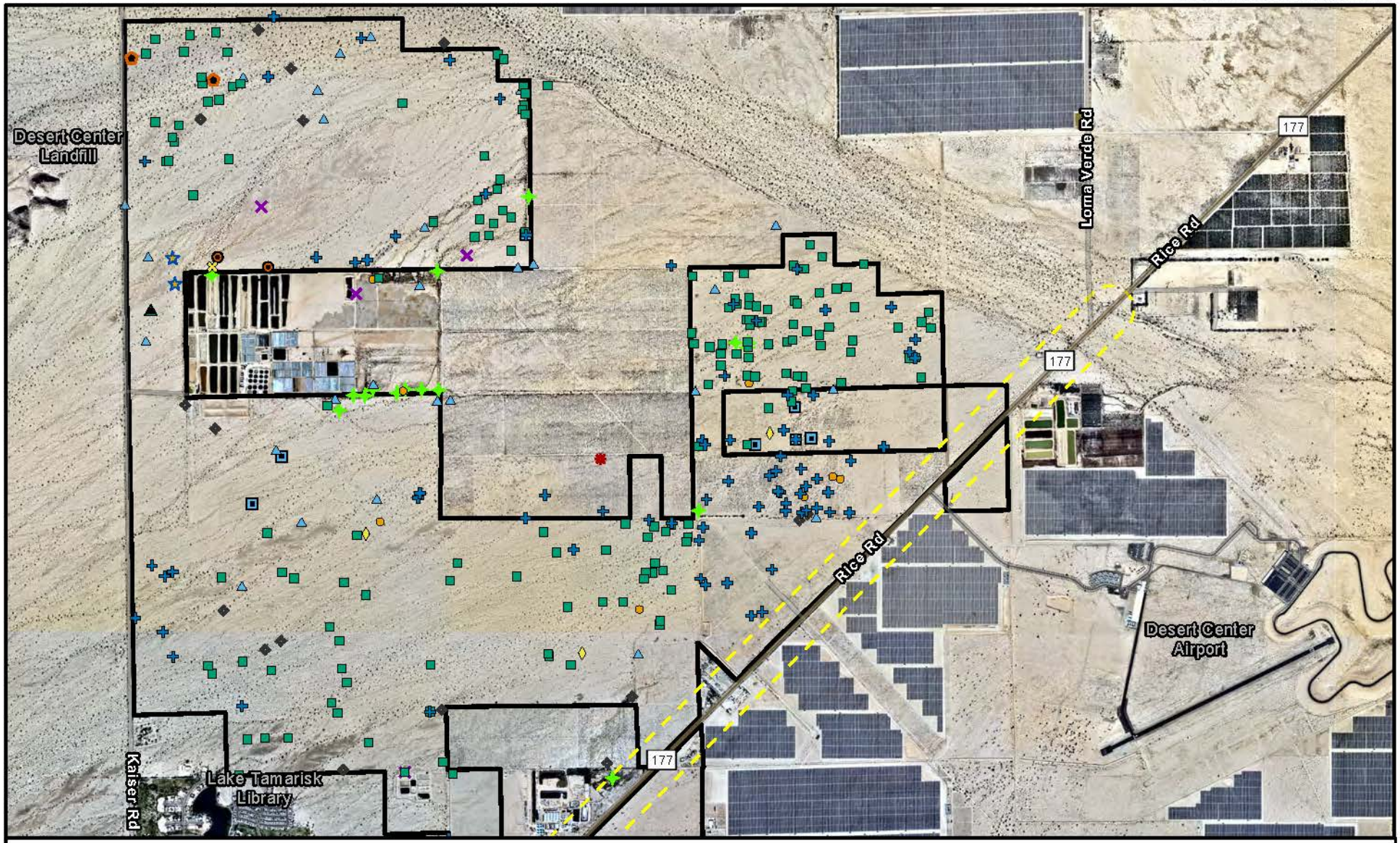


Figure 4-6A

Special-Status Wildlife

Sources: Esri, 2023; Intersect Power, 2023; Ironwood, 2023; NearMap, 2023.

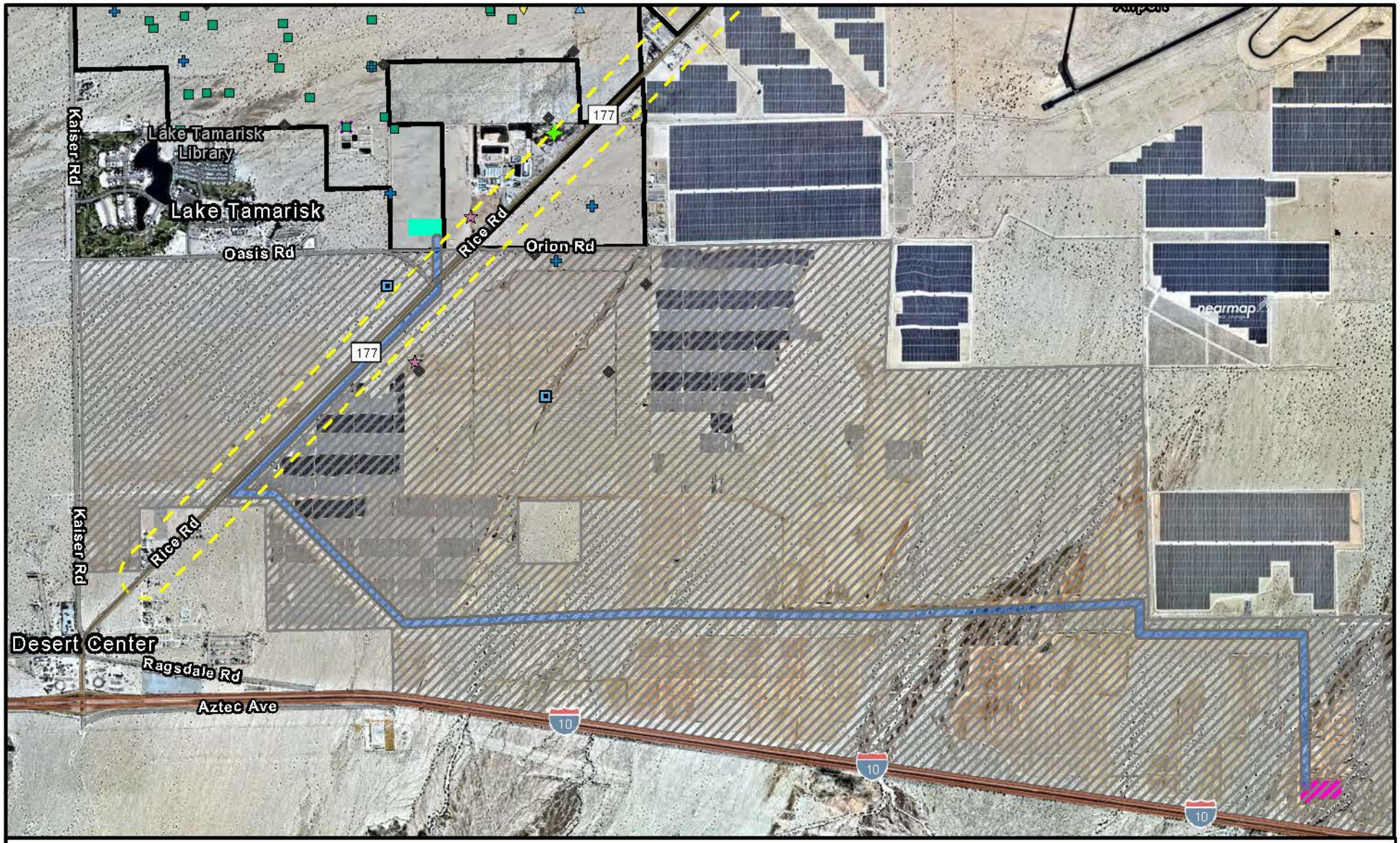


Figure 4-6B

Special-Status Wildlife