Appendix A

Figures and Maps

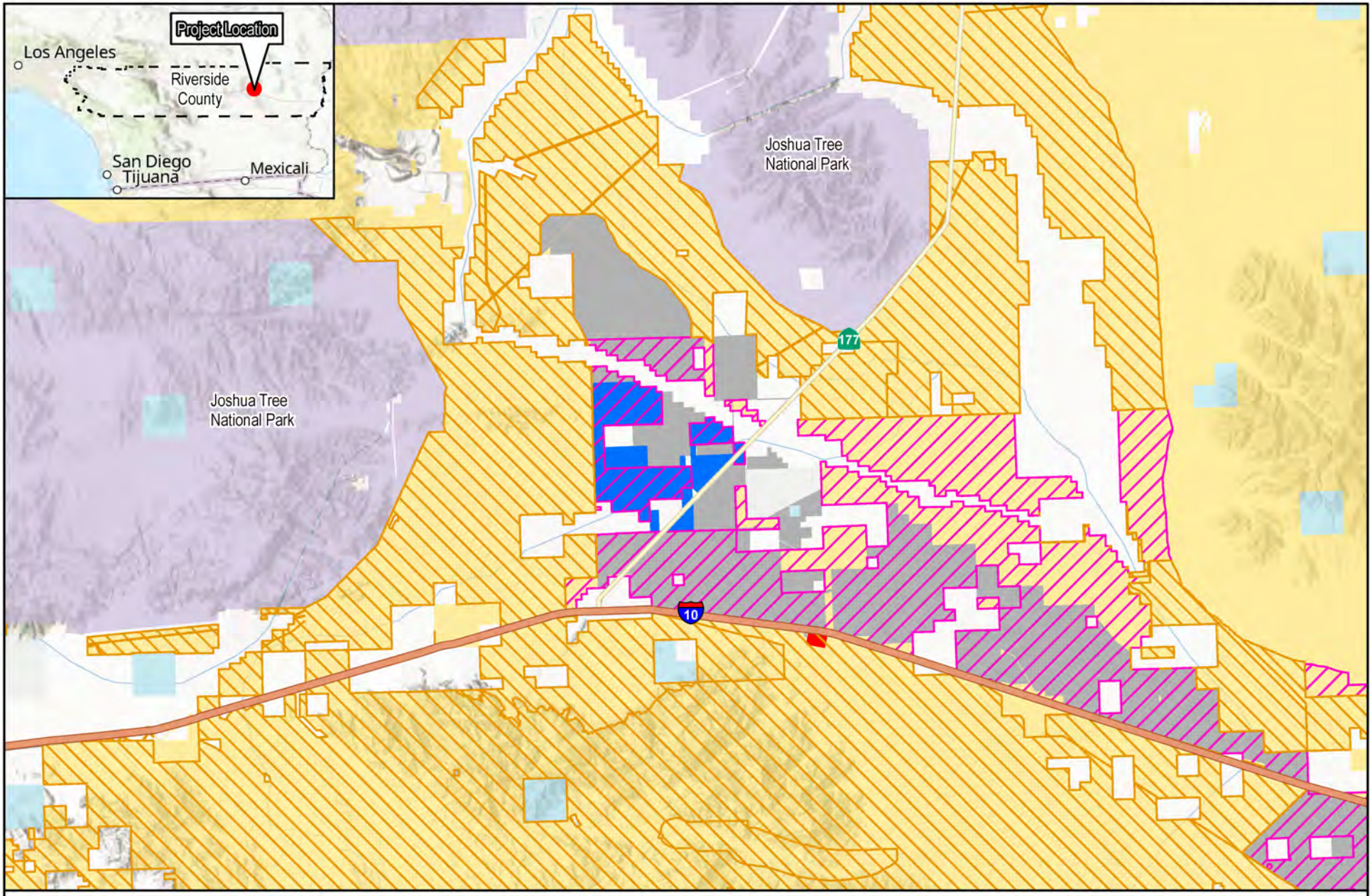


Figure 2-1

Project Vicinity

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

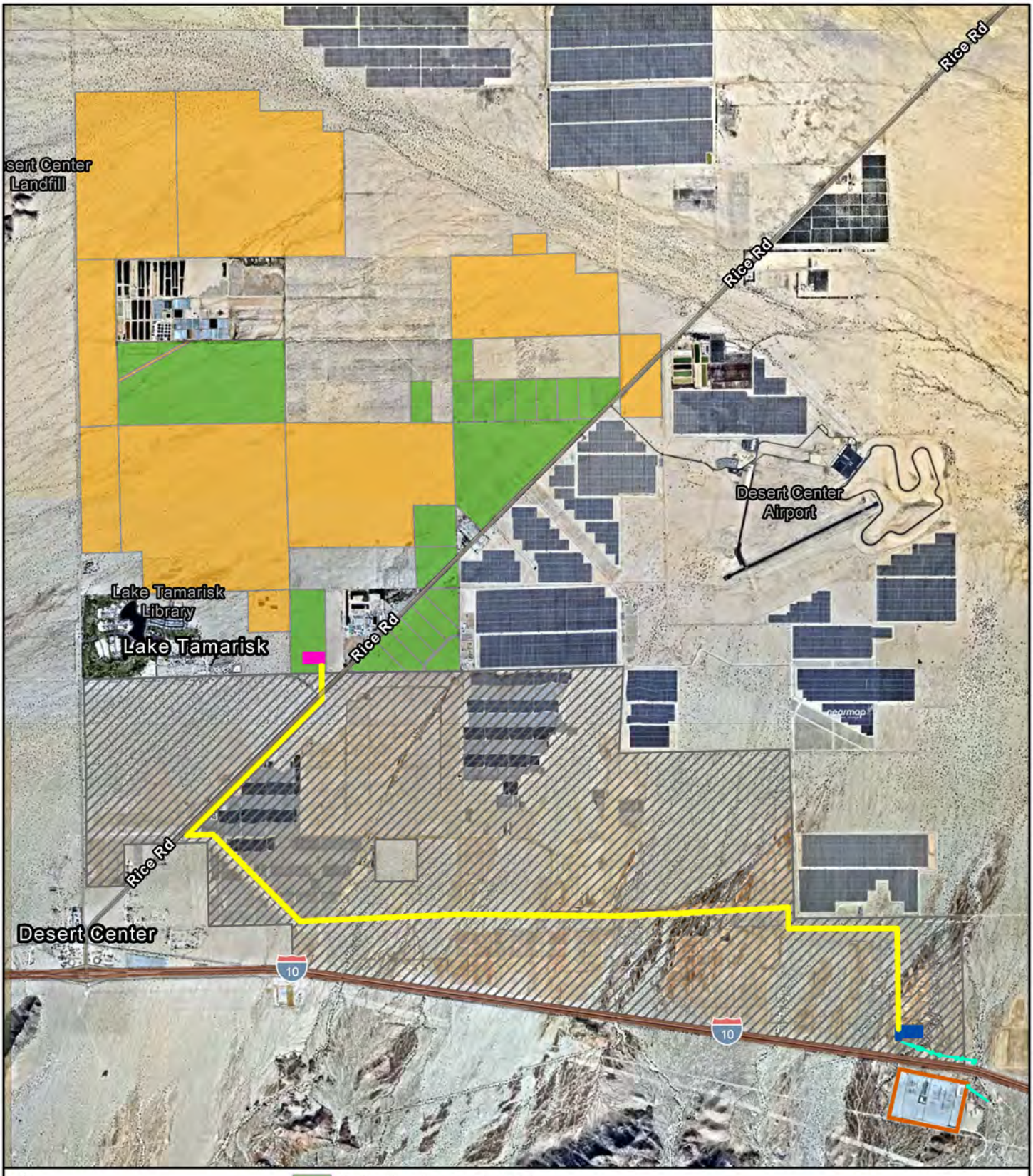
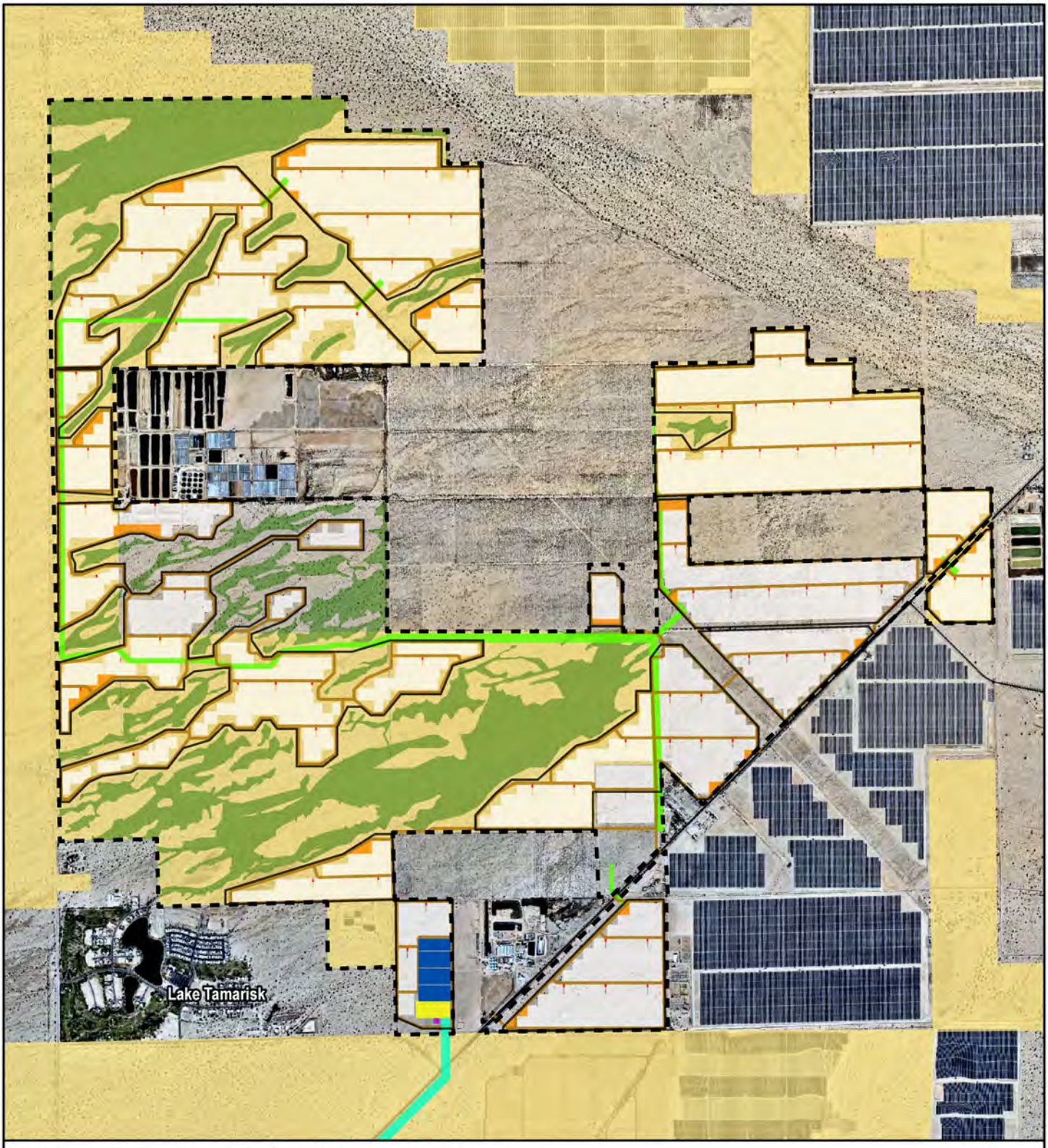


Figure 2-2

Project Area



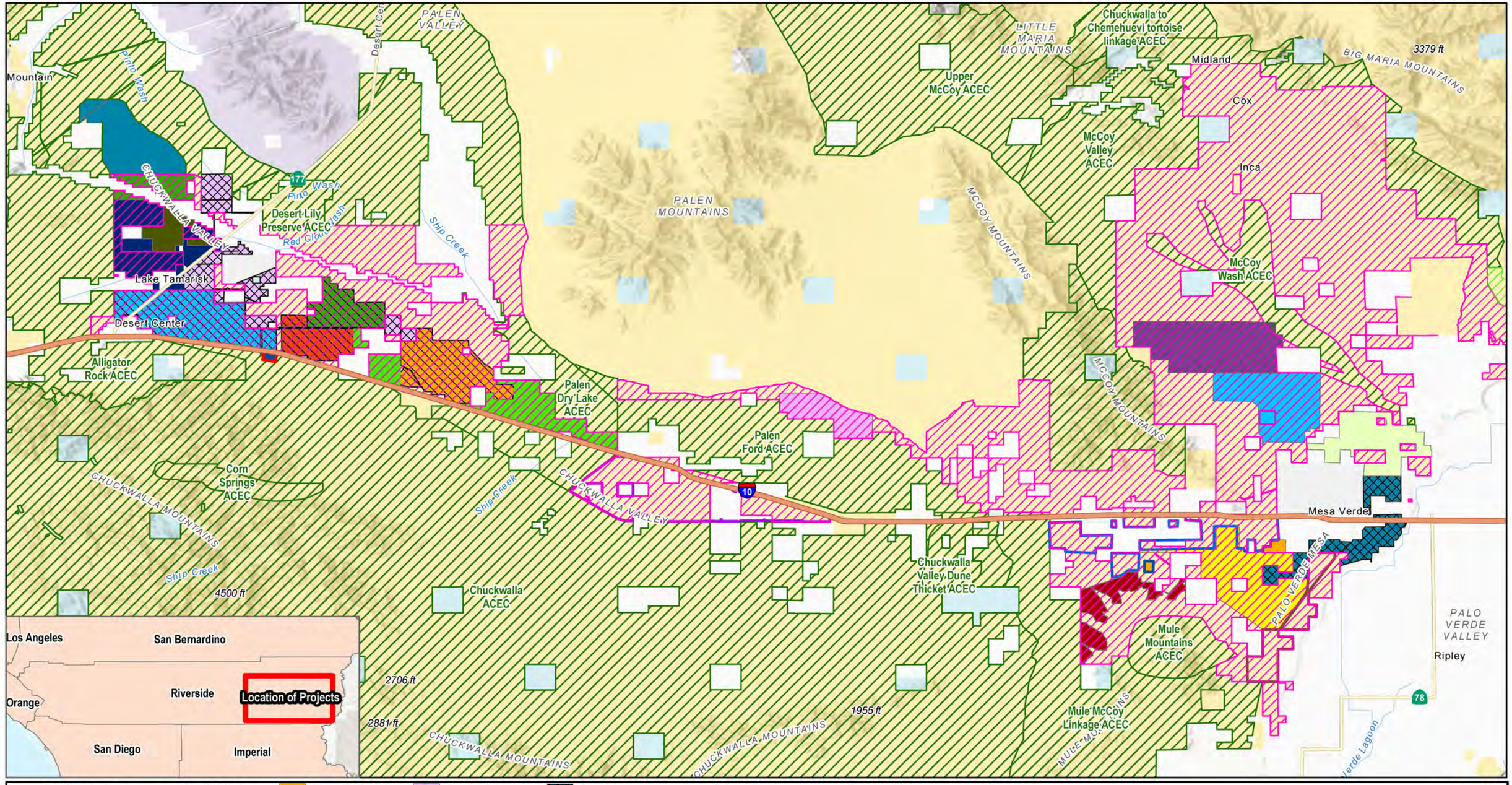
Easley Renewable Energy Project Boundary
Fence
Gen-tie Corridor
Access Roads
O & M Facility
Laydown Yard
Inverters
Collection Corridor
Solar Panel Array
Substation
Desert Dry Wash Woodland
Bureau of Land Management
BESS

0 0.5 1 Miles

Figure 2-3

Easley Renewable Energy Project
Preliminary Engineering

Sources: Esri, 2023; Intersect Power, 2023.



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.

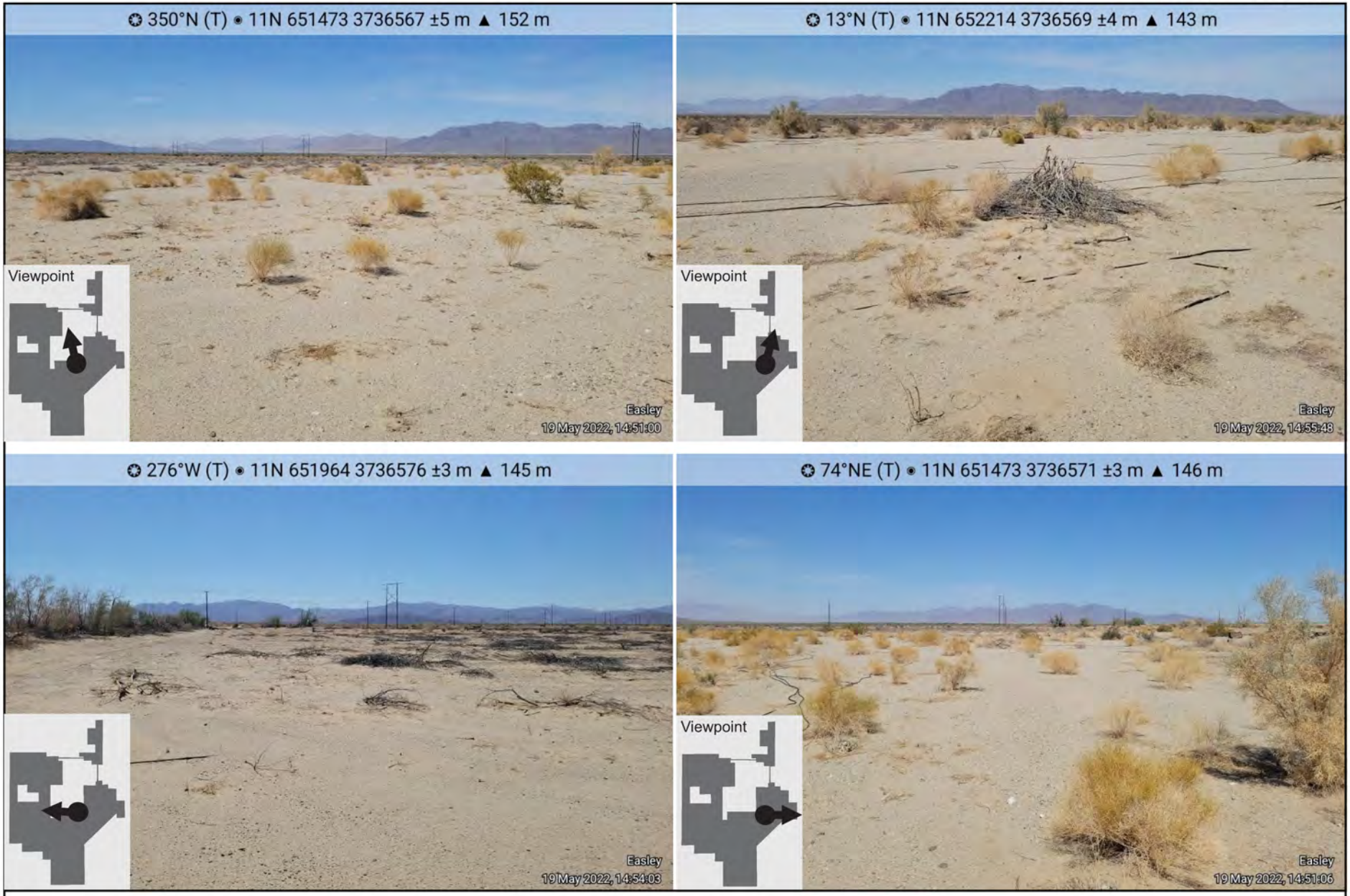


Figure 2-5

Site Photographs

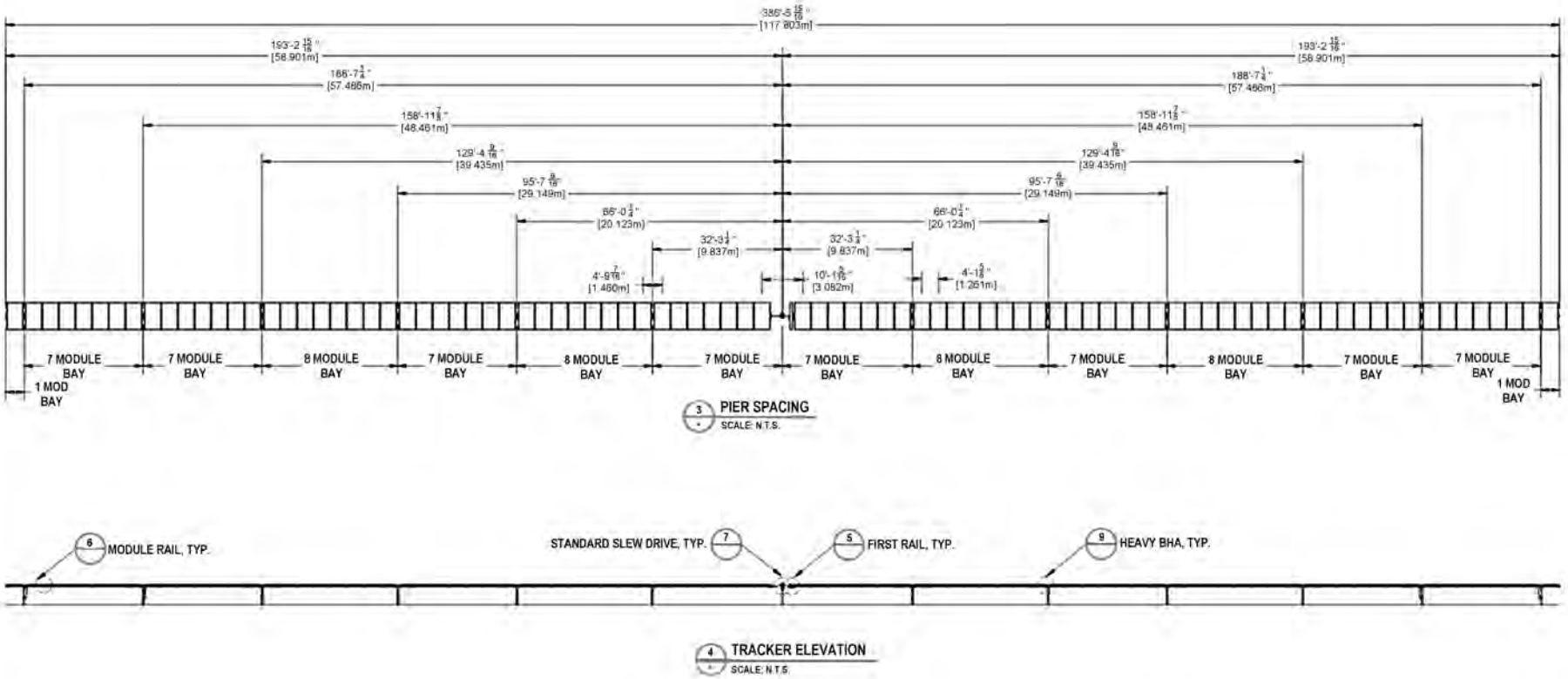


Figure 2-6

Typical Single Axis Tracker with Portrait Module Orientation

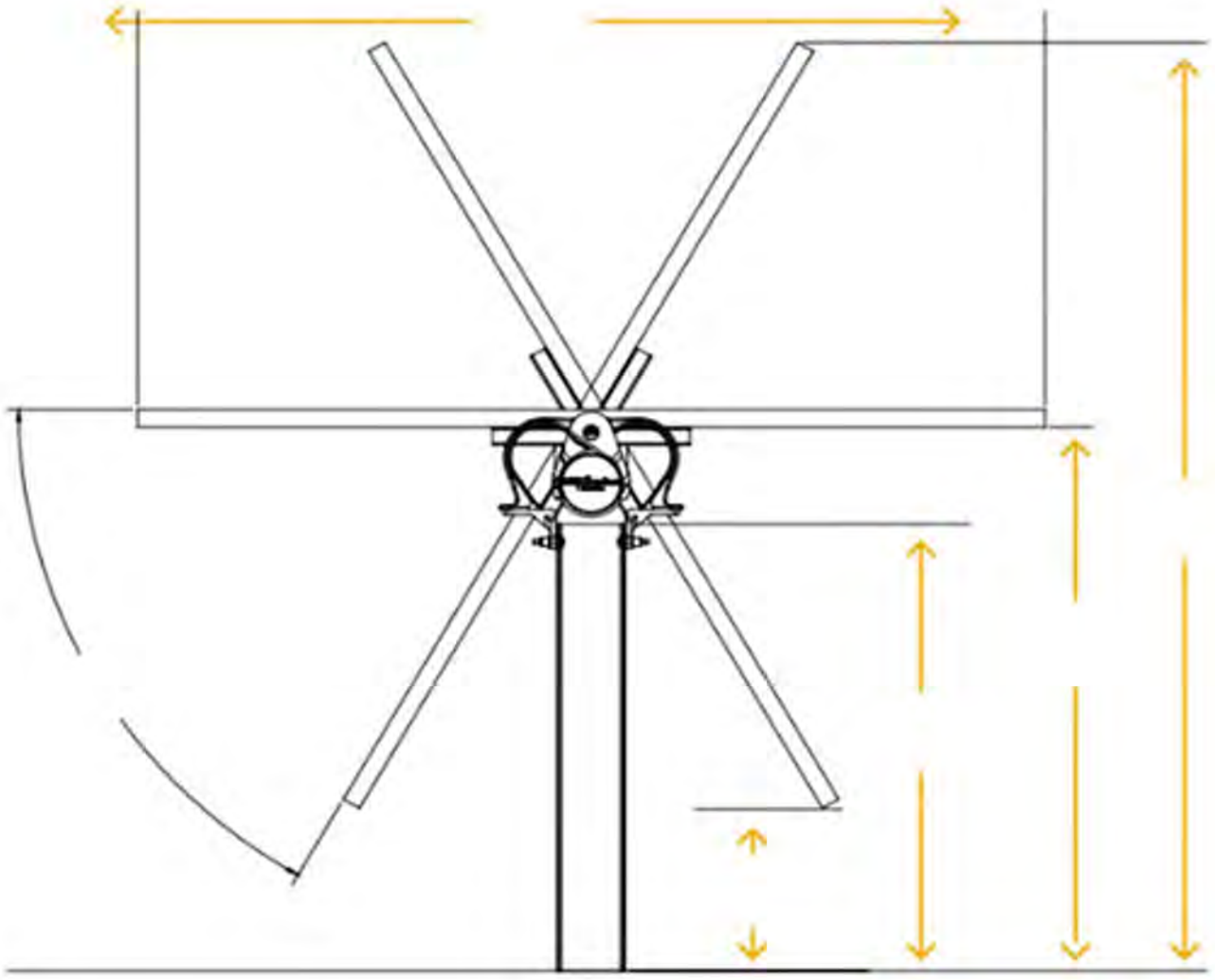


Figure 2-7

Typical Tracker Structure

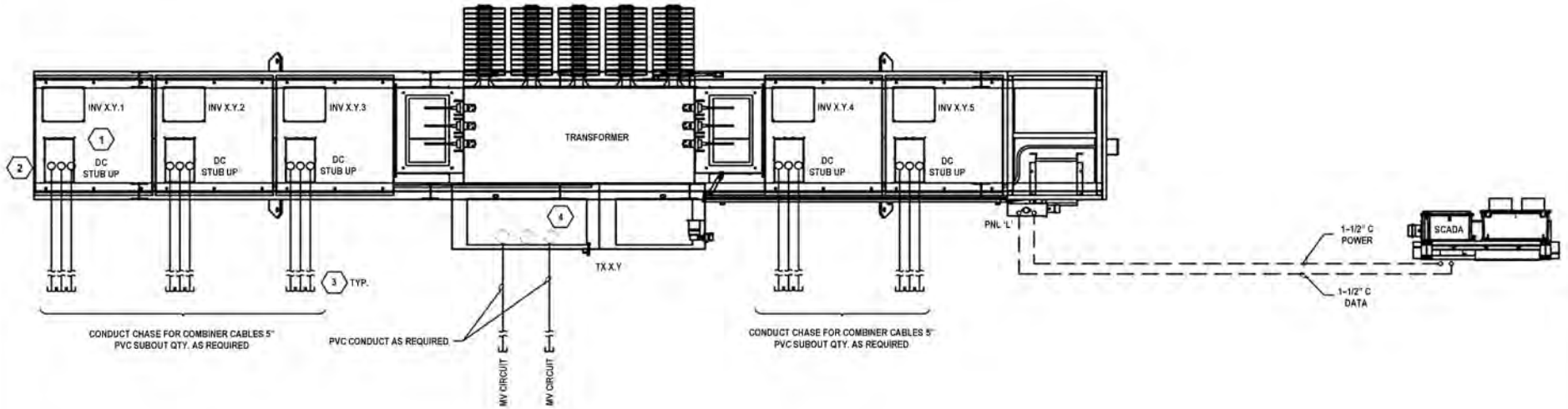
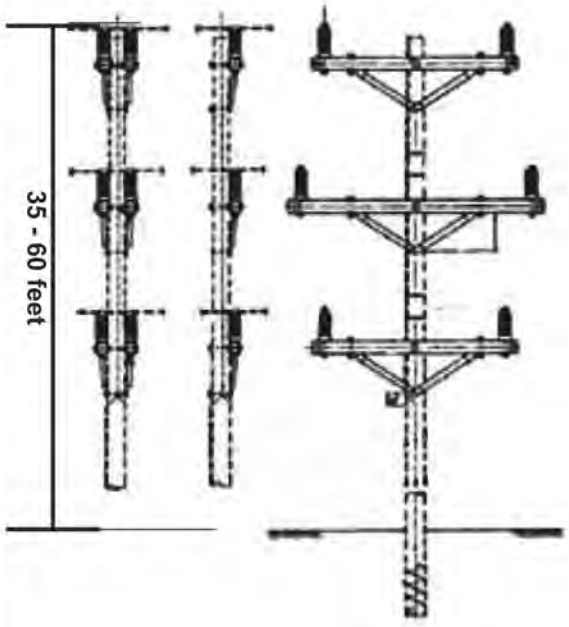
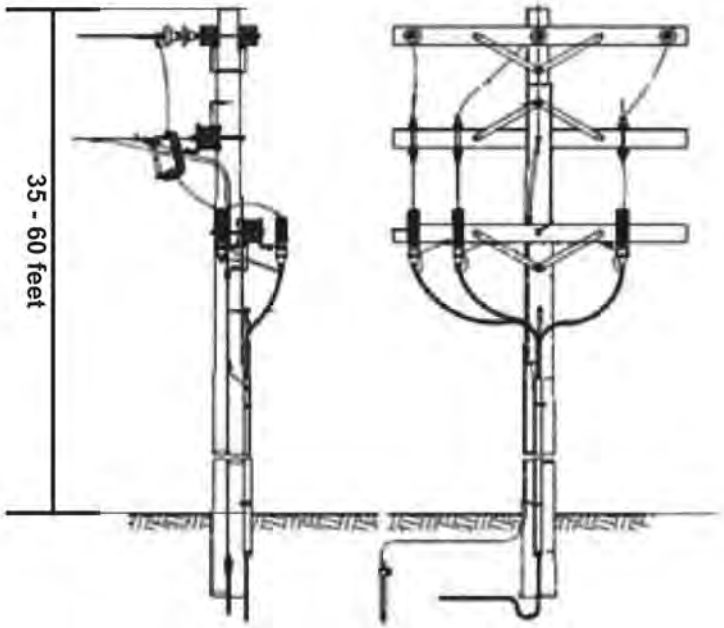


Figure 2-8

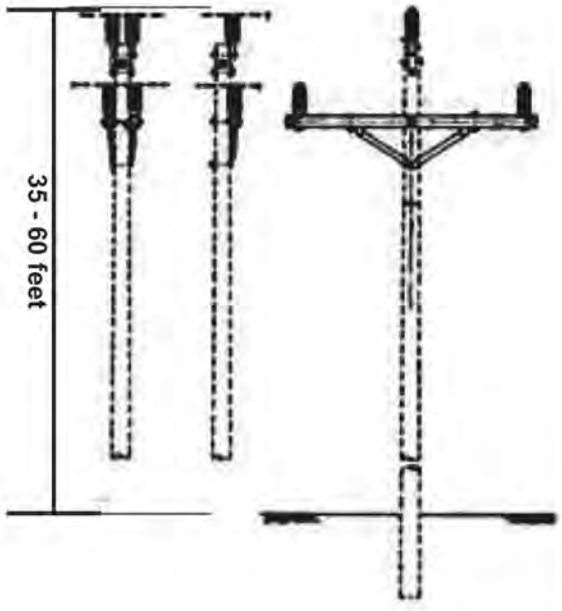
Typical Inverter Skid Layout



Double Circuit 34.5 kV
Overhead Line Wood Pole



Riser Wood Pole

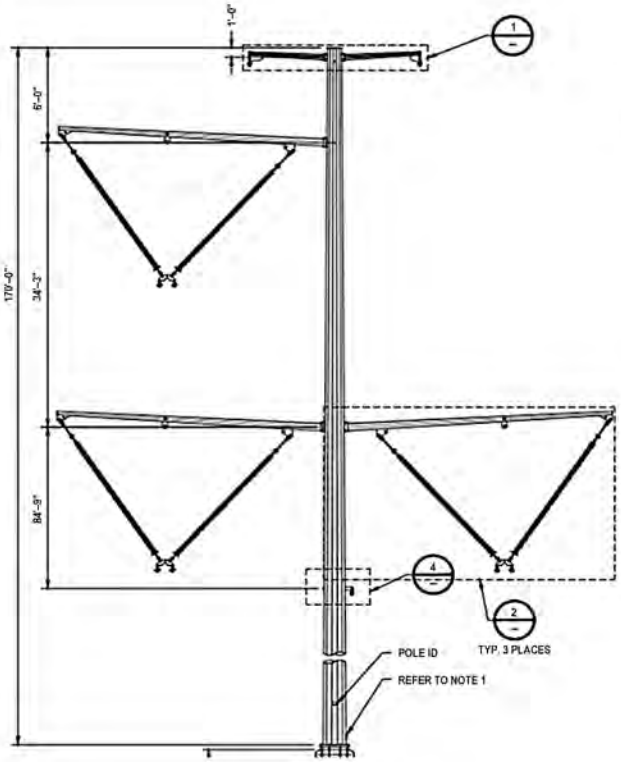


Single Circuit 34.5 kV
Overhead Line Wood Pole

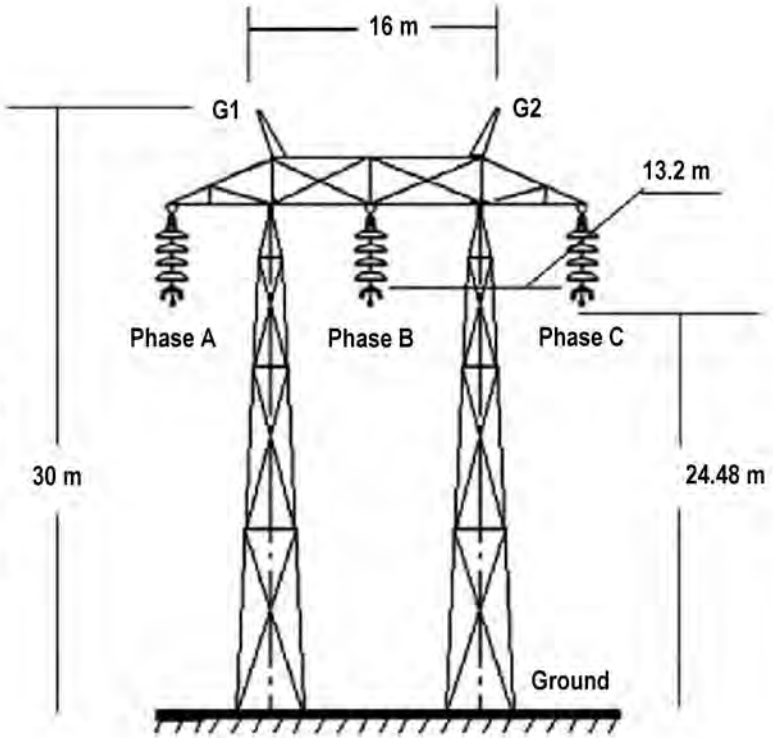
Figure 2-9

Typical 34.5 kV Medium Voltage Line Structures

Typical Monopole Structure



Typical Steel H-frame Structure



Typical Waist-type Lattice Structure

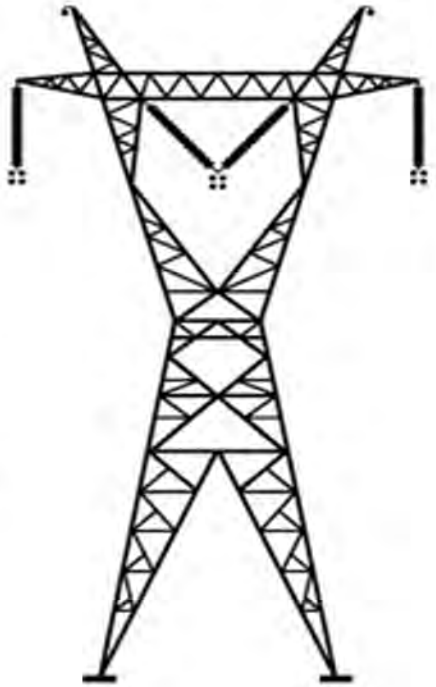


Figure 2-10

Typical Structure for 500 kV Gen-tie

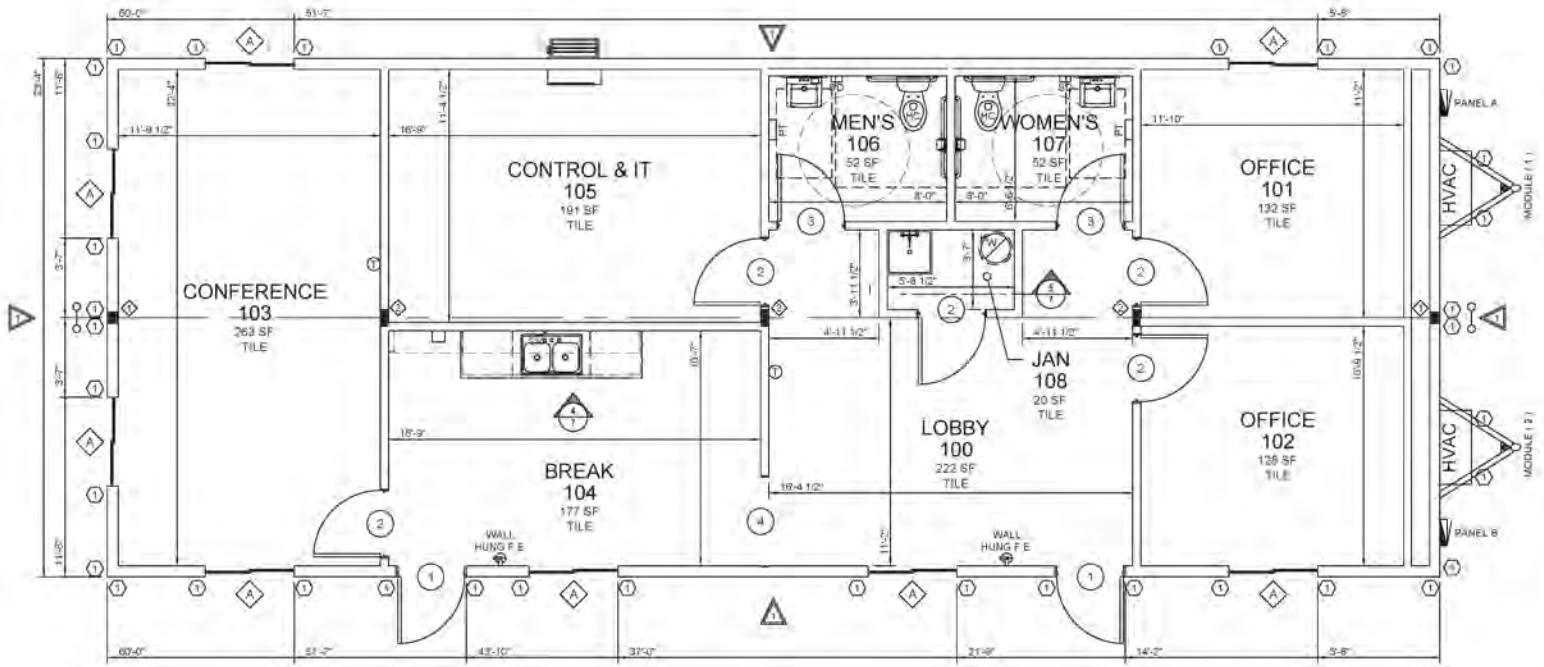


Figure 2-11

Typical O&M Building Floor Plan

Figure 2-12

Typical BESS Enclosure

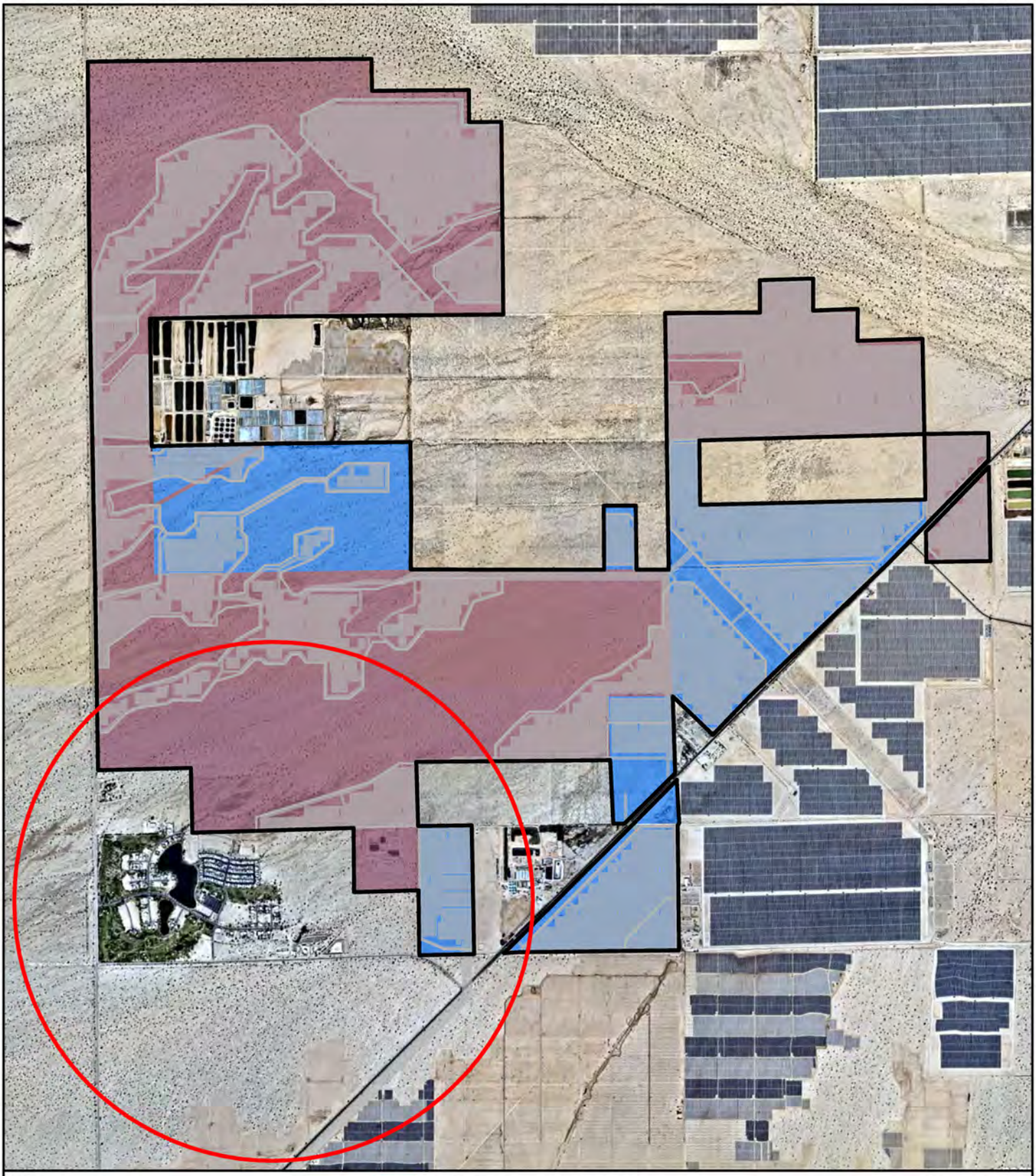


Figure 2-13

APM NOISE-1: One-Mile Radius

Sources: Intersect Power, 2023; NearMap, 2023.

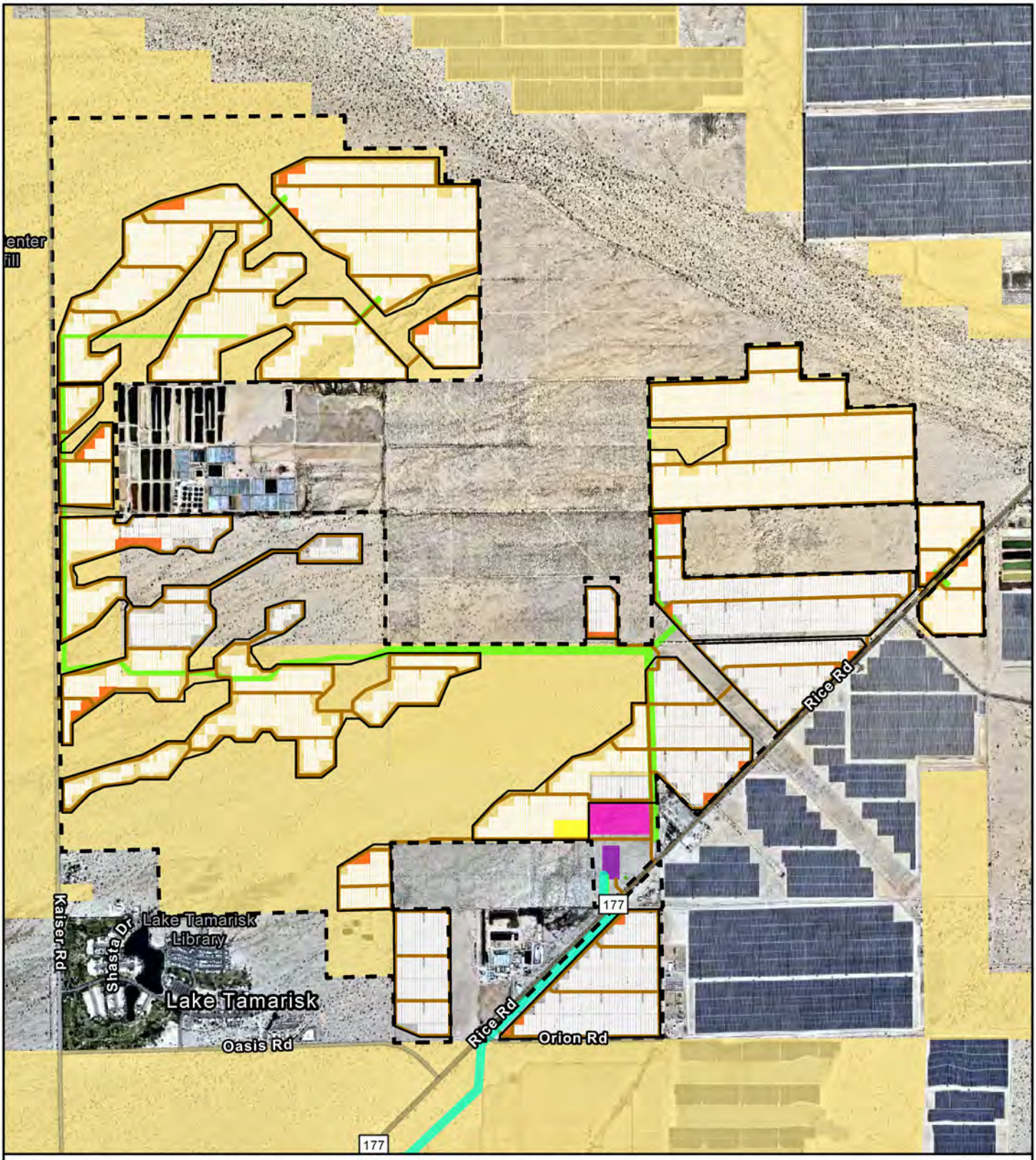


Figure 2-14

Easley Renewable Energy Project
Lake Tamarisk Alternative

Sources: Esri, 2023; Intersect Power, 2023.

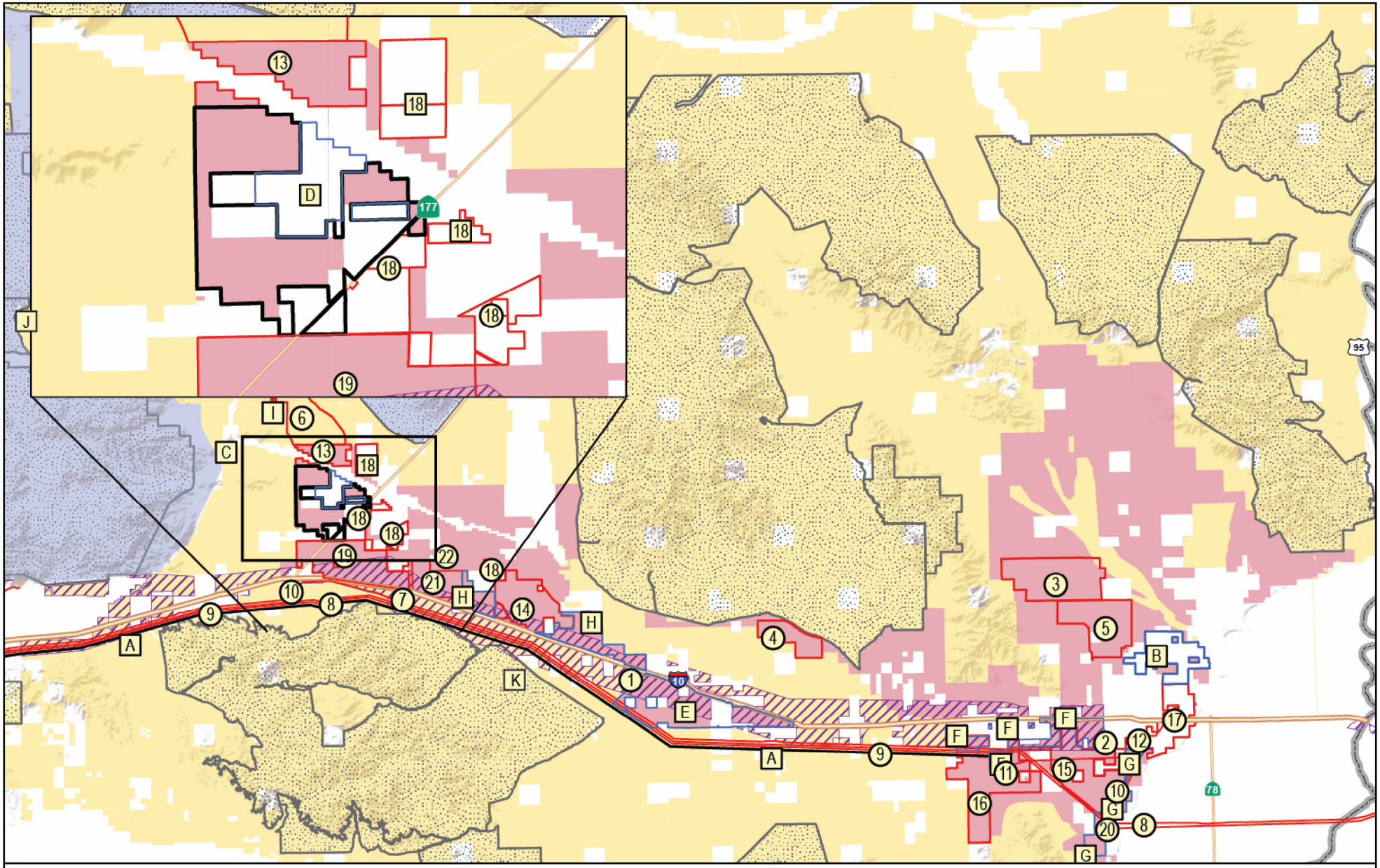
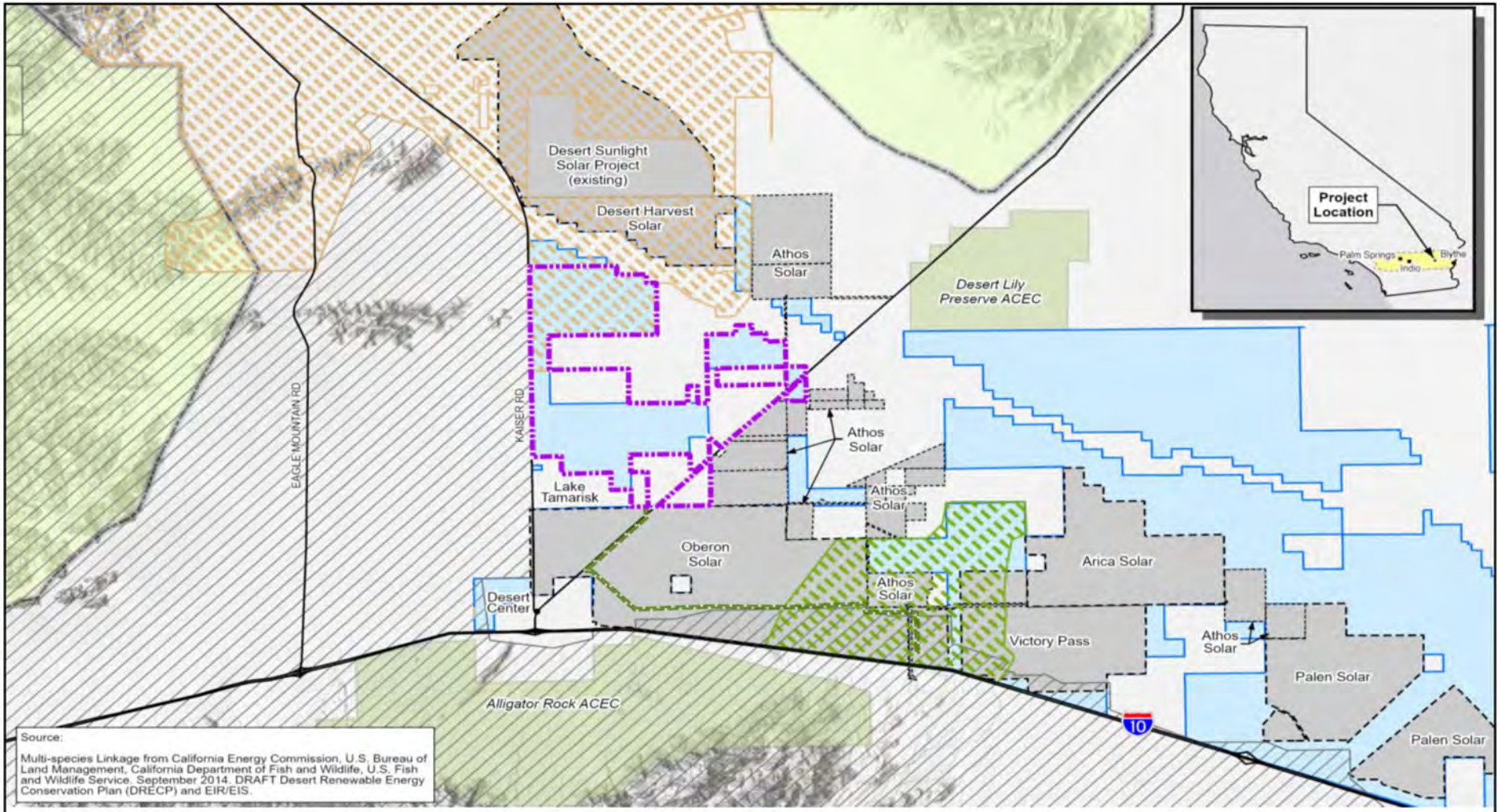


Figure 3.1-1

Cumulative Projects

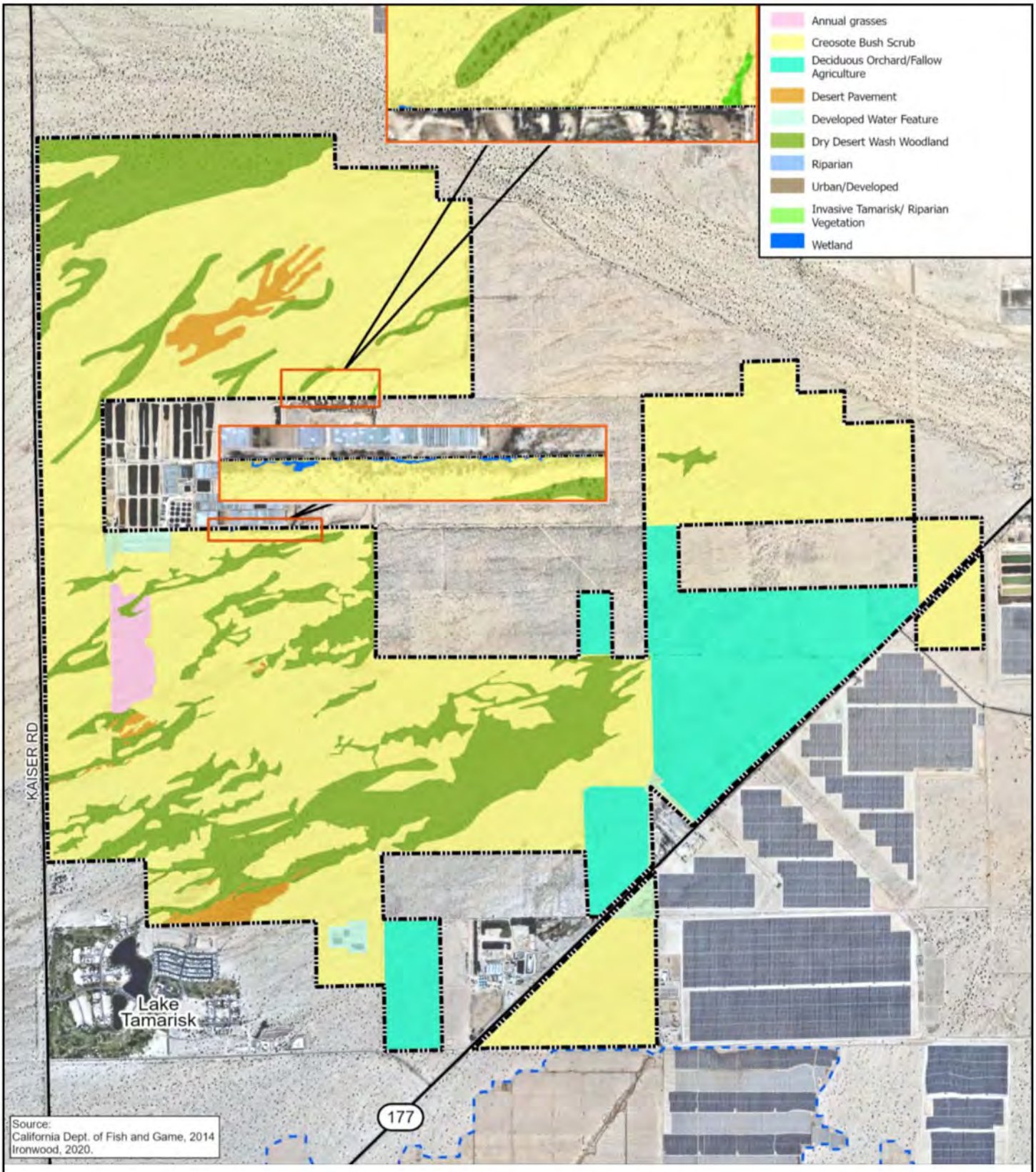


Source: Ironwood, 2023a.

0 1 2
Miles

Figure 3.5-1

General Vicinity



Source: Ironwood, 2023a.

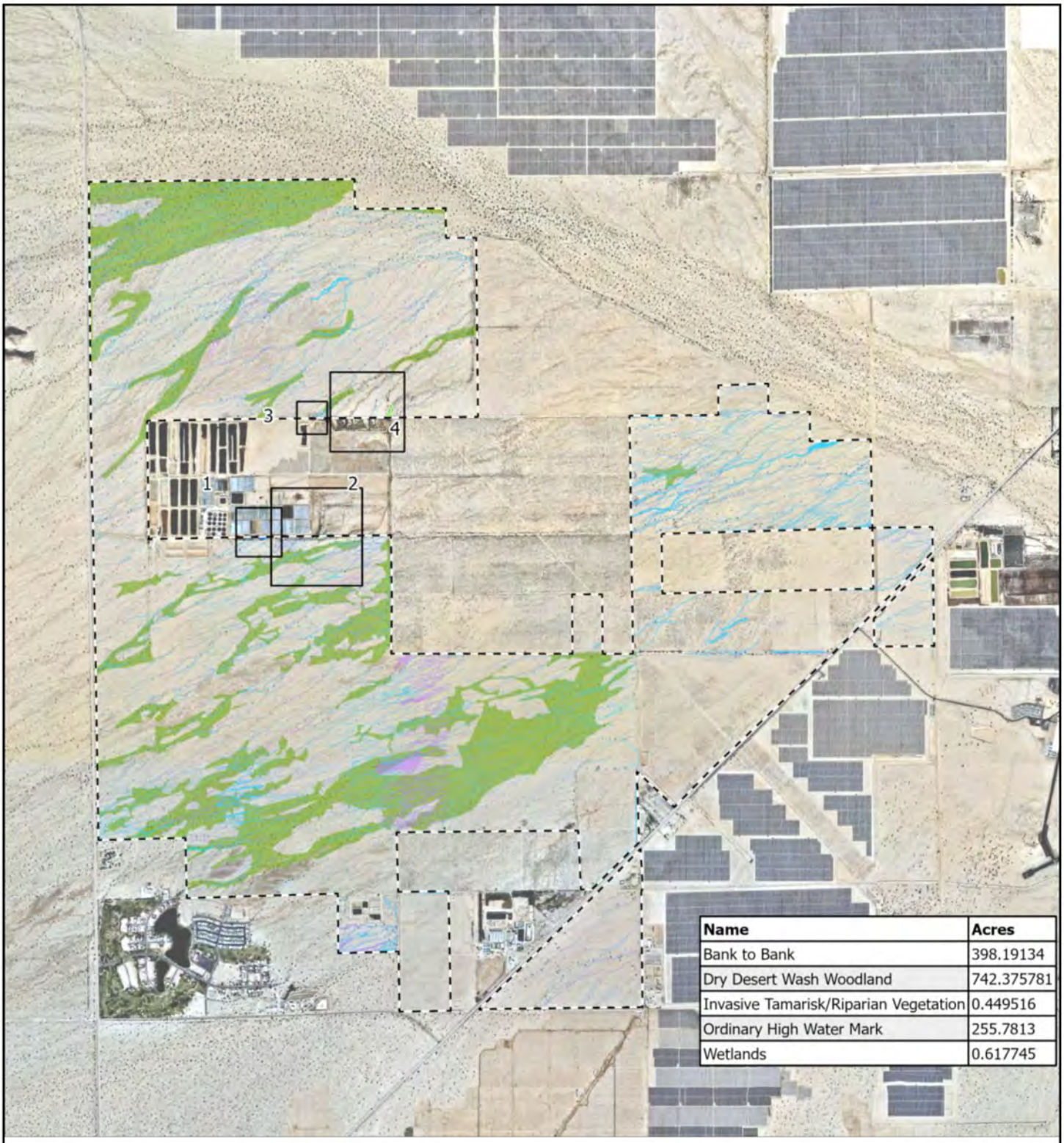
0 2,000 4,000
Feet

Easley Renewable Energy Project Boundary

Oberon Project Boundary

Figure 3.5-2

Vegetation Communities

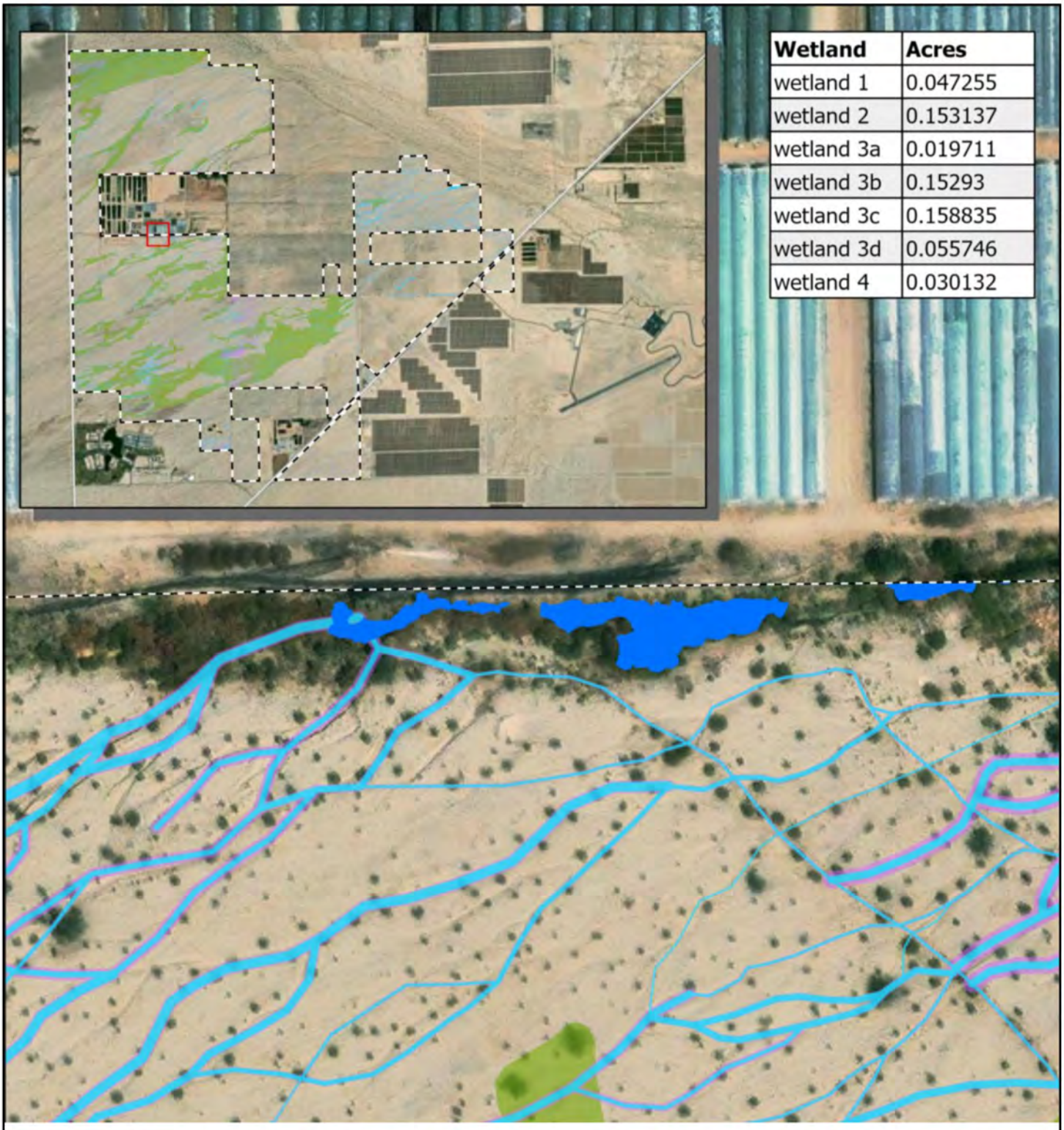


Source: Ironwood, 2023b.

0 2,000 4,000
Feet

Figure 3.5-3a

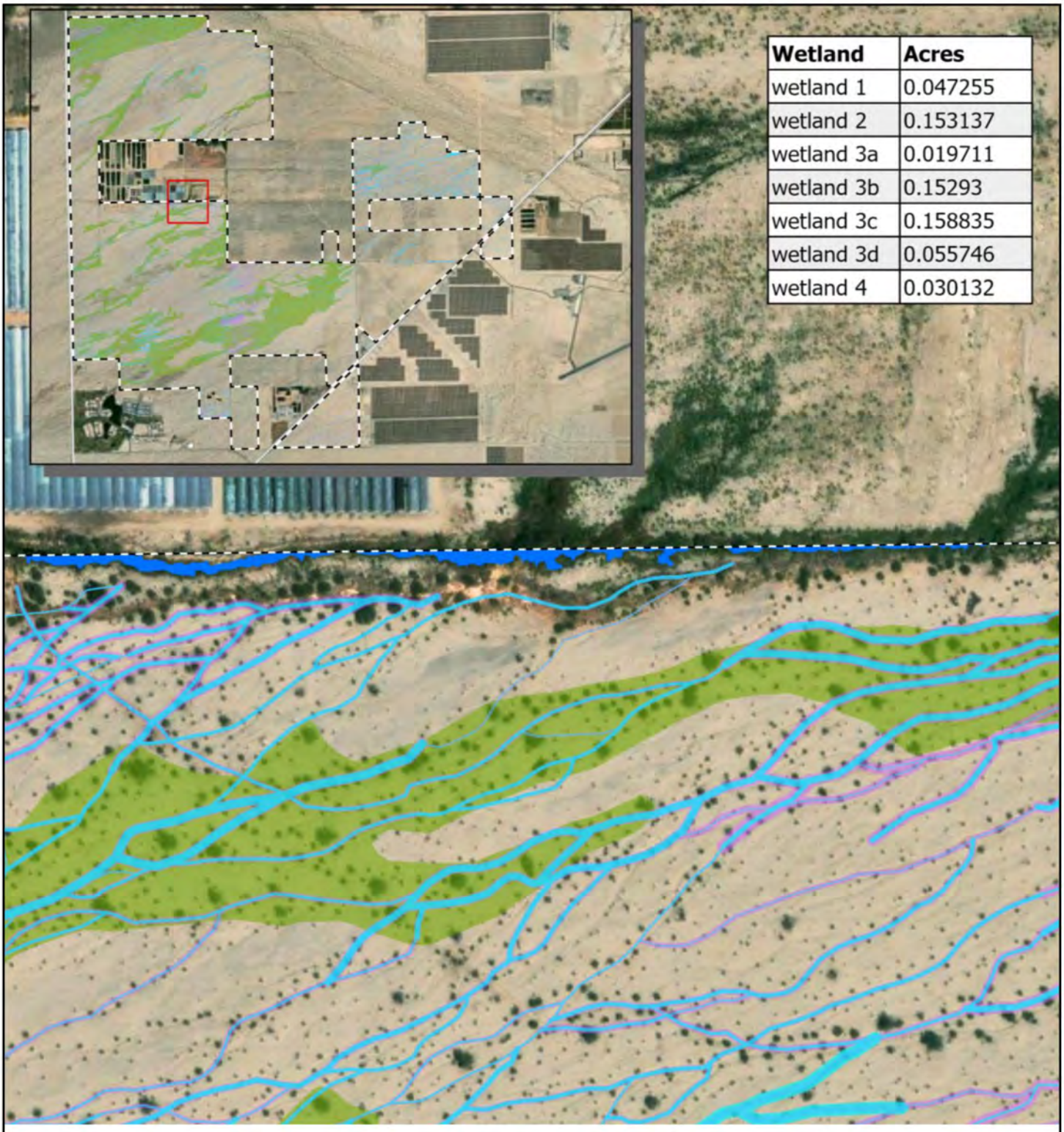
Jurisdictional Wetlands and Waters



Source: Ironwood, 2023b.

Figure 3.5-3b

Jurisdictional Wetlands and Waters

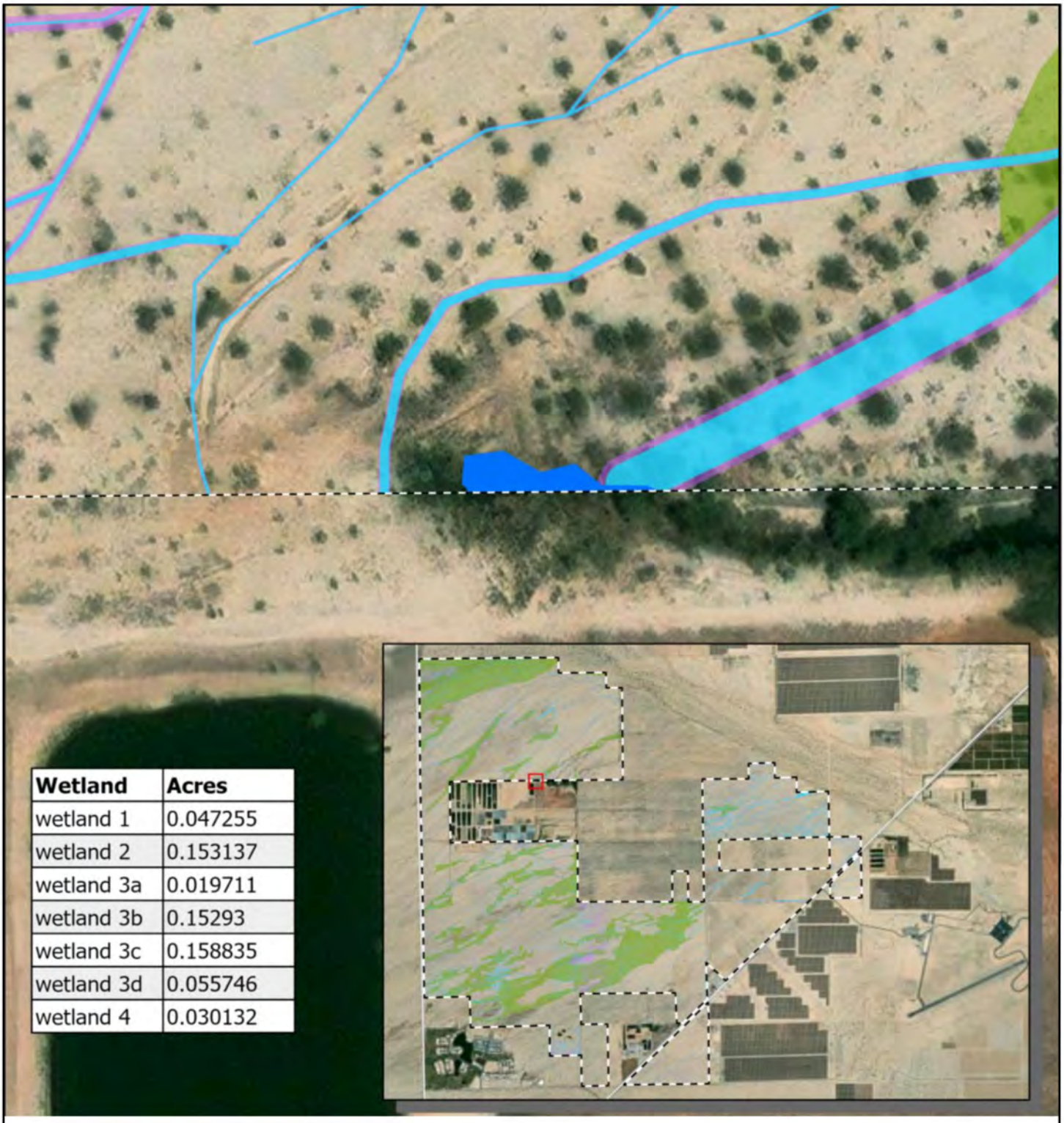


Source: Ironwood, 202

0 100 200
Feet

Figure 3.5-3c

Jurisdictional Wetlands and Waters

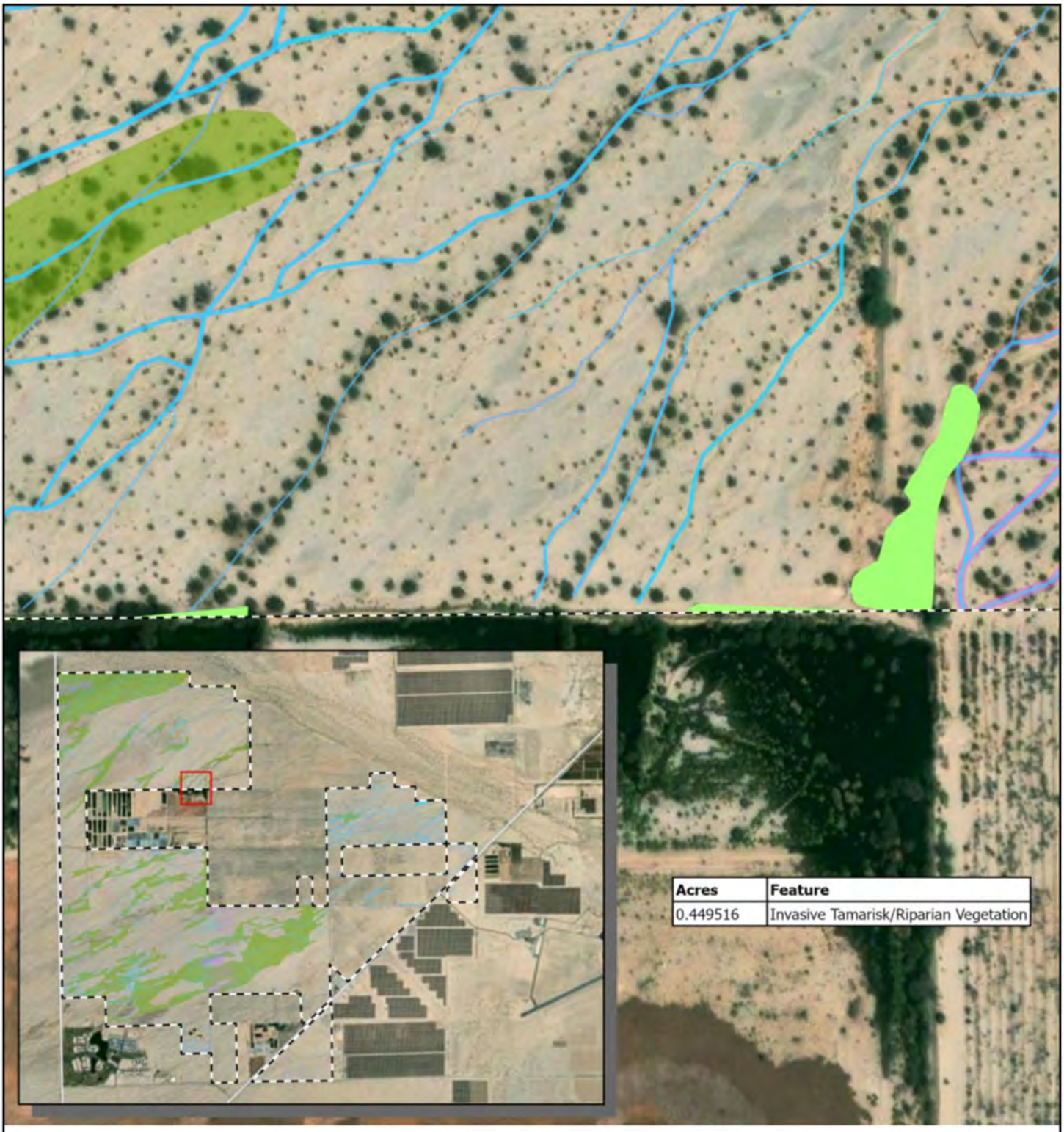


Wetland	Acres
wetland 1	0.047255
wetland 2	0.153137
wetland 3a	0.019711
wetland 3b	0.15293
wetland 3c	0.158835
wetland 3d	0.055746
wetland 4	0.030132

Source: Ironwood, 2023b.

Figure 3.5-3d

Jurisdictional Wetlands and Waters



Source: Ironwood, 2023b.

0 100 200
Feet

Figure 3.5-3e

Jurisdictional Wetlands and Waters

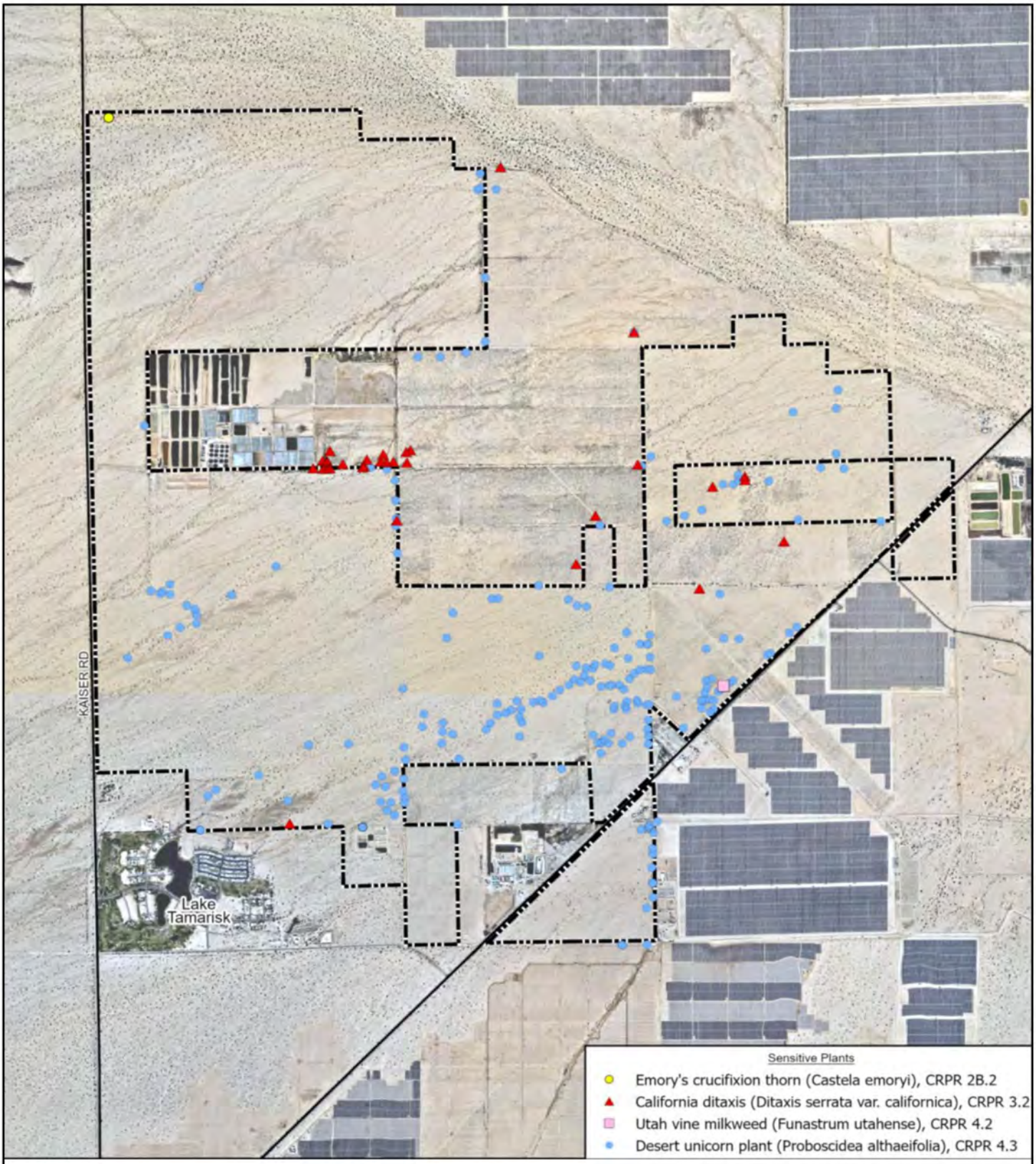
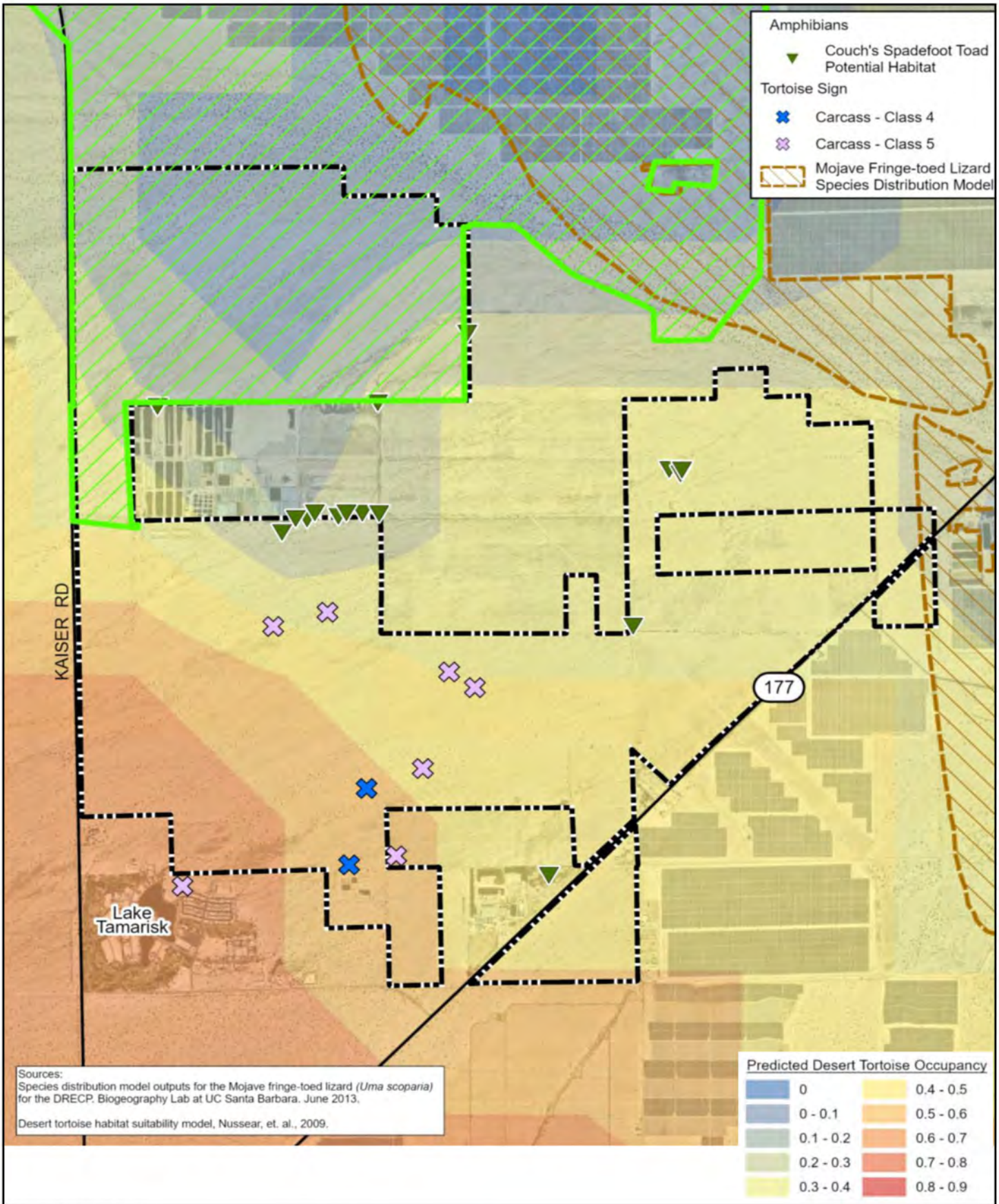


Figure 3.5-4

Special-status Plants



Source: Ironwood, 2023a.

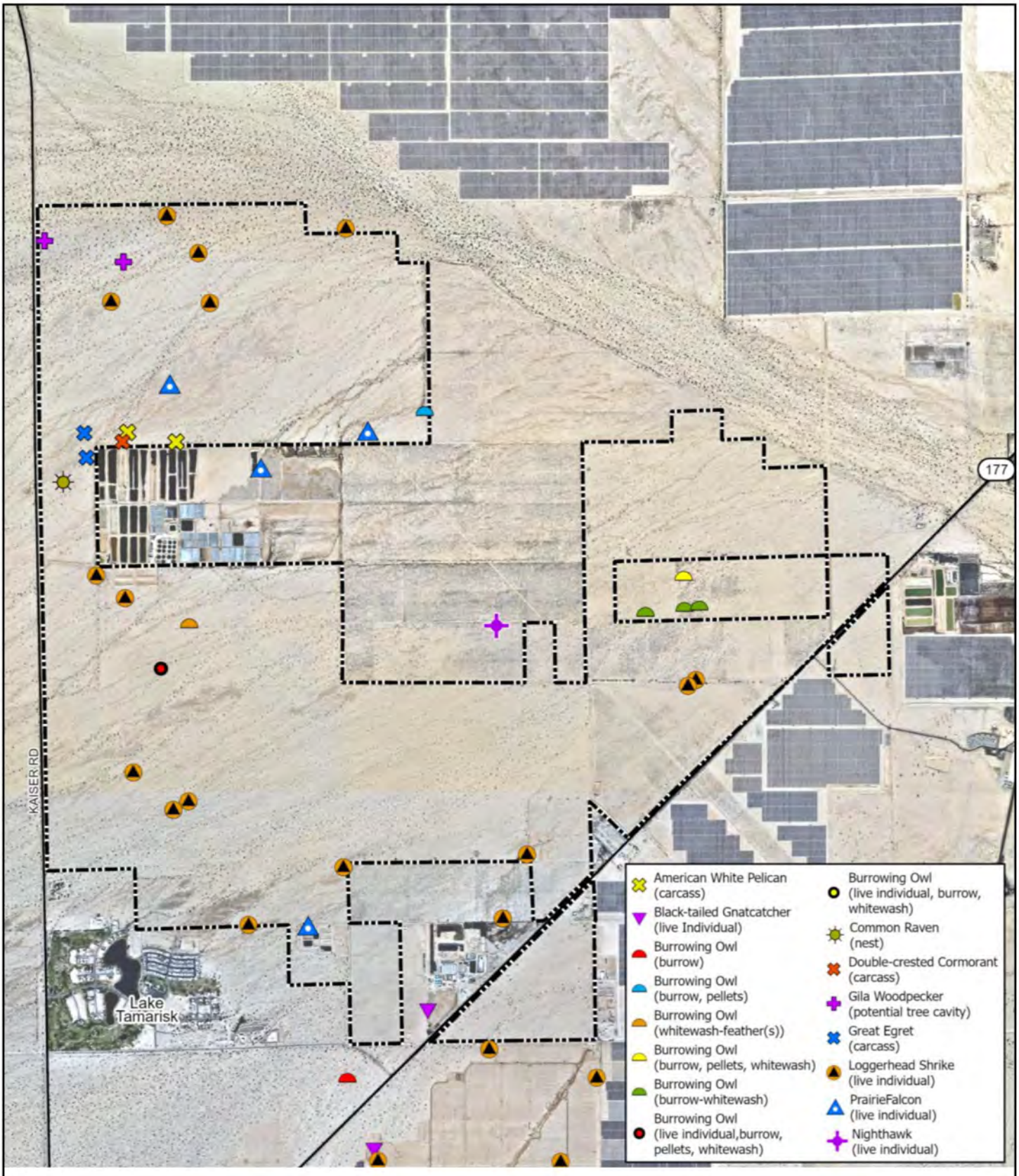
0 1,500 3,000
Feet

Easley Renewable Energy Project Boundary

Pinto Wash Linkage

Figure 3.5-5

Special-status Amphibians and Reptiles

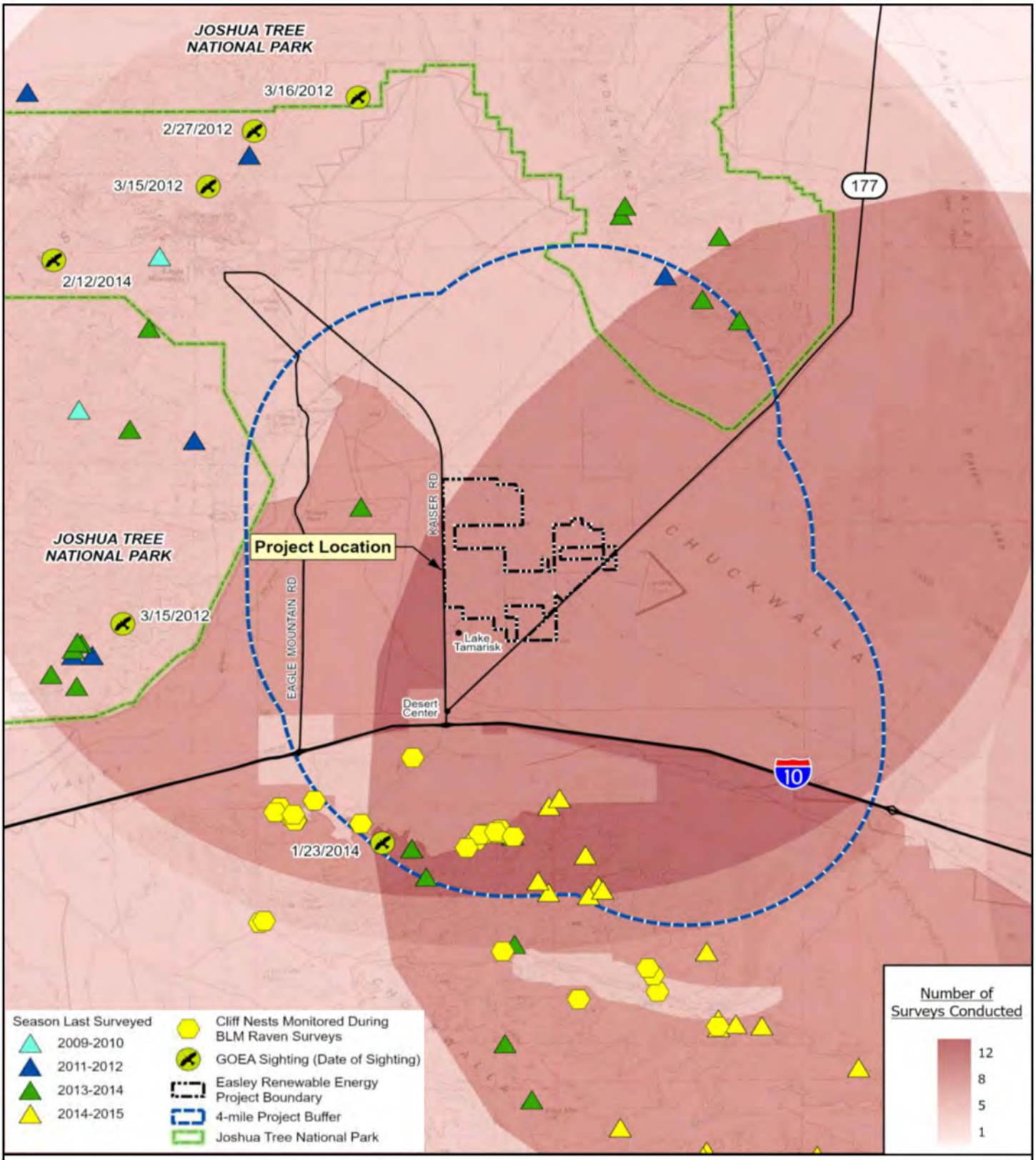


Source: Ironwood, 2023a.

0 2,000 4,000
Feet

Figure 3.5-6

Special-status Birds

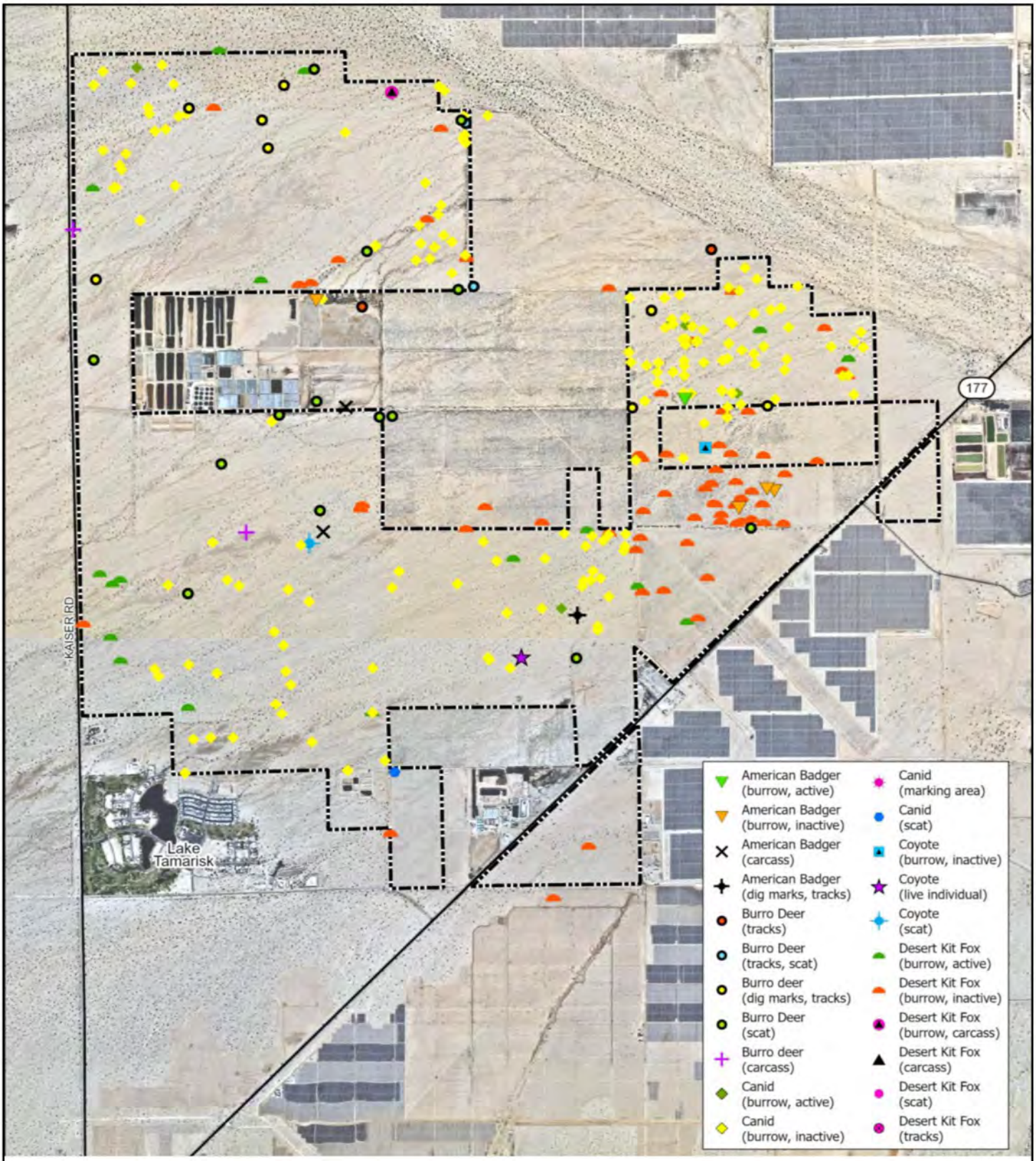


Source: Ironwood, 2023a.

0 2
Miles

Figure 3.5-7

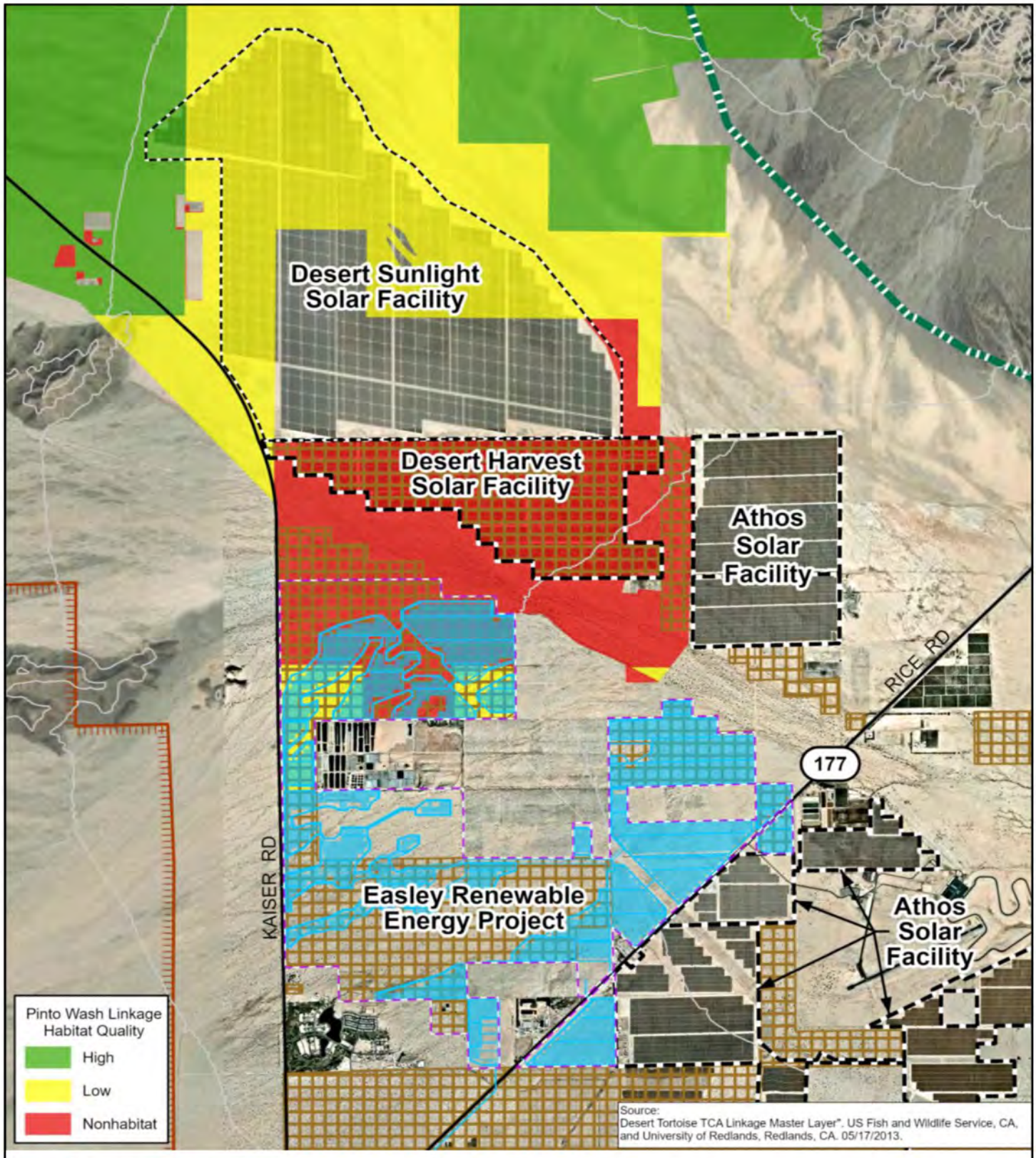
Special-status Birds, Golden Eagle



Source: Ironwood, 2023a.

Figure 3.5-8

Special-status Mammals

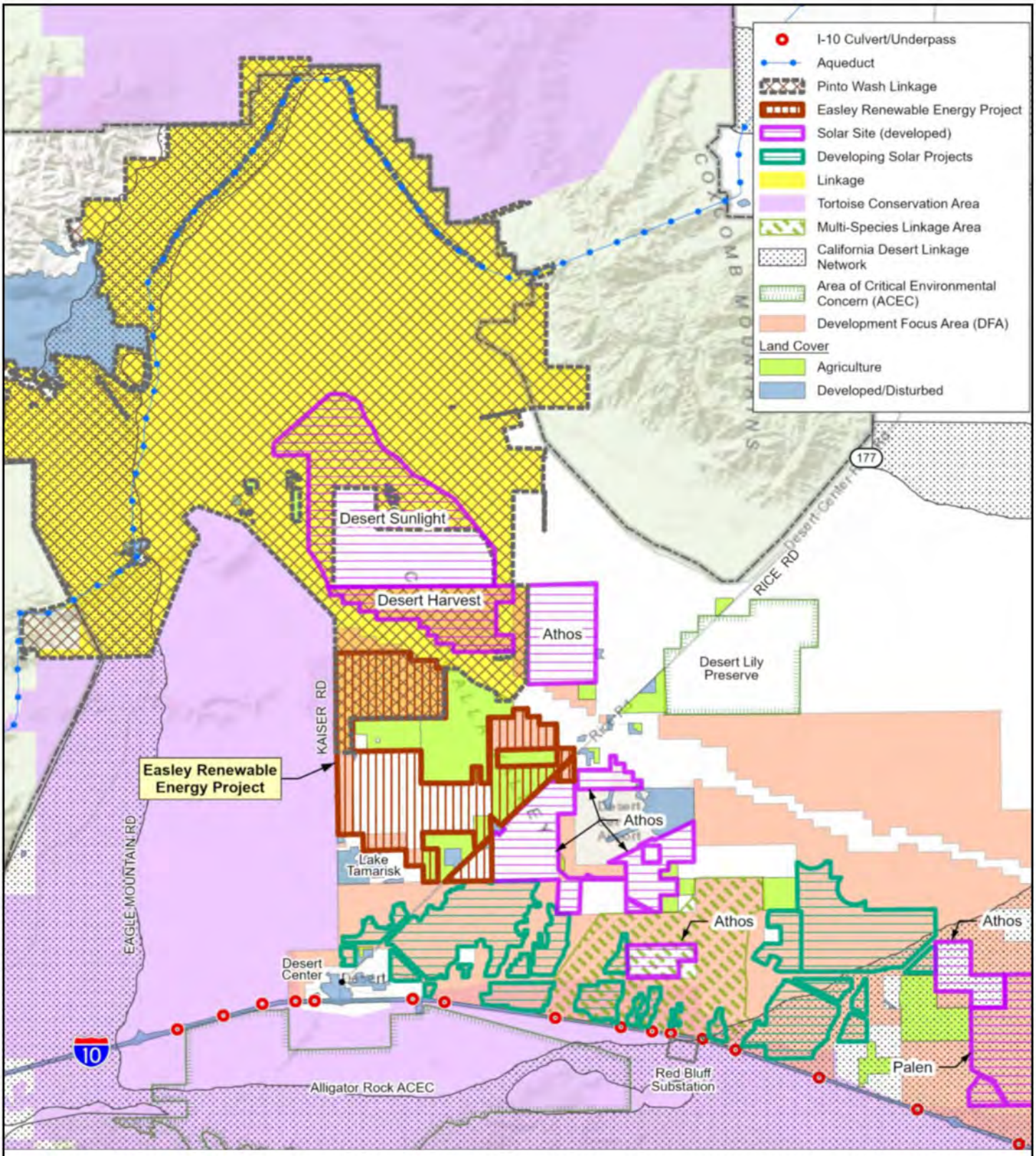


Source: Ironwood, 2023a.

0 2,500 5,000
Feet

Figure 3.5-9

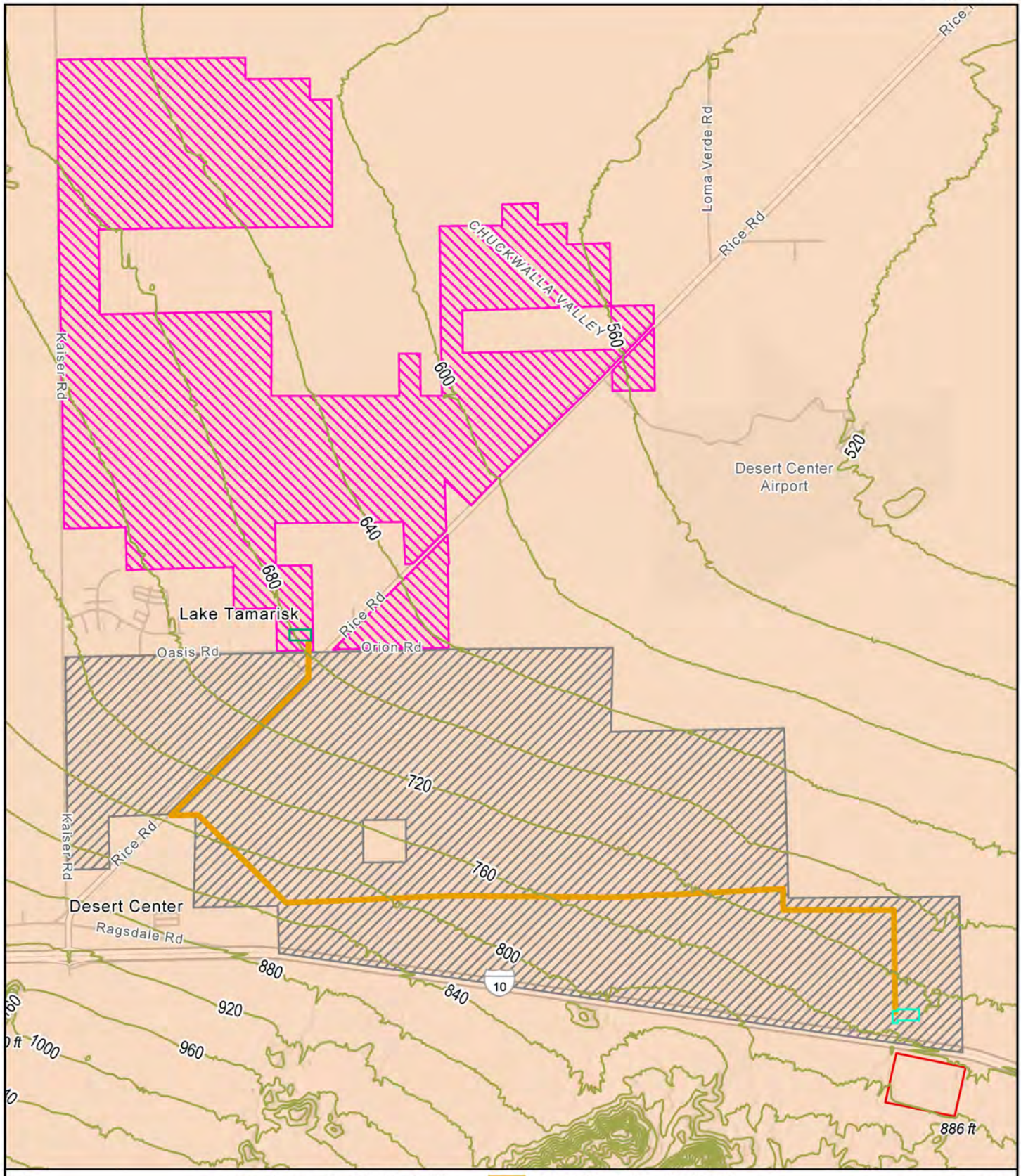
Impacts to Pinto Wash Linkage



Source: Ironwood, 2023a.

Figure 3.5-10

Wildlife Connectivity



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.

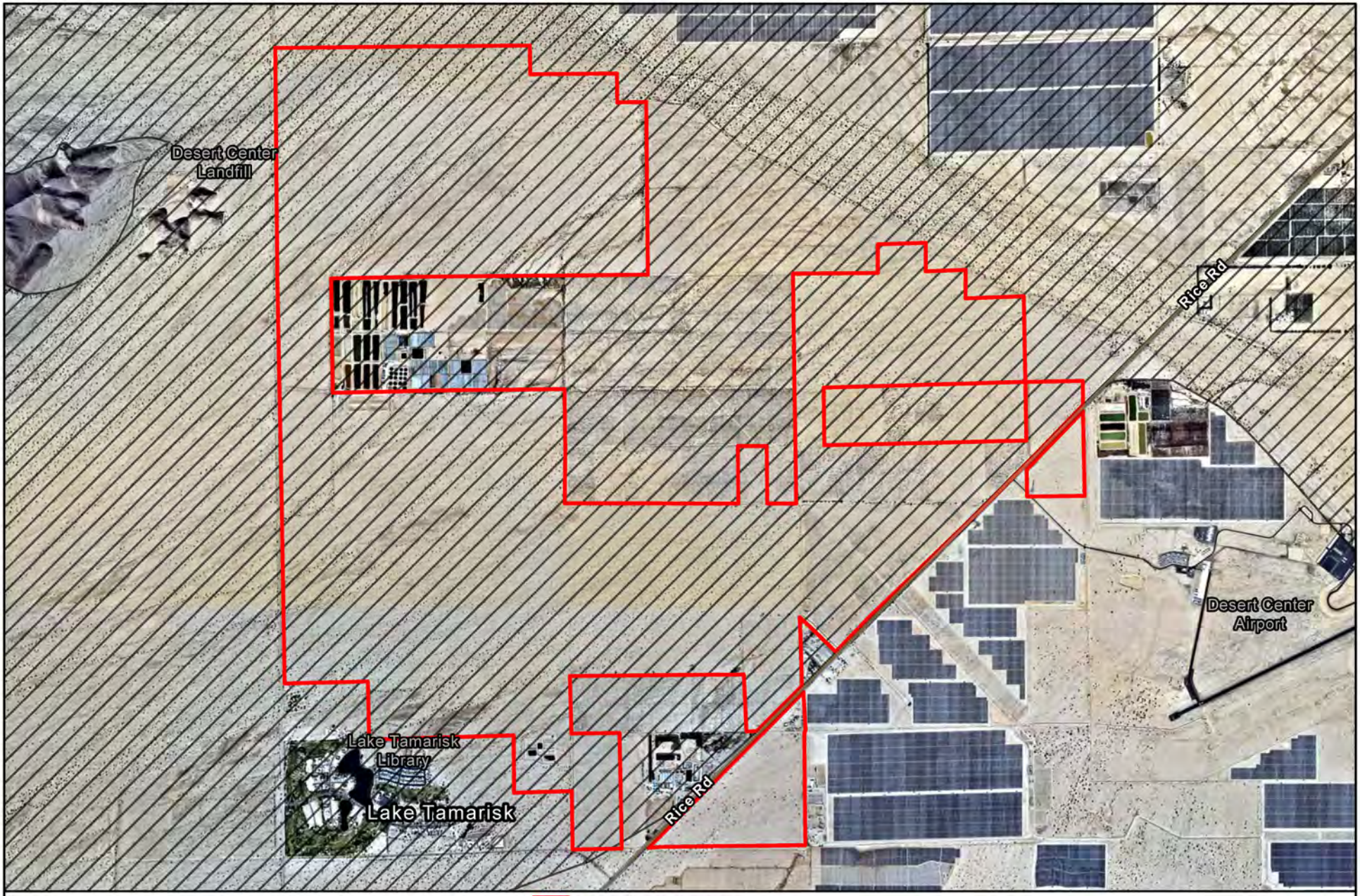


Figure 3.11-2

DWR Flood Awareness

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

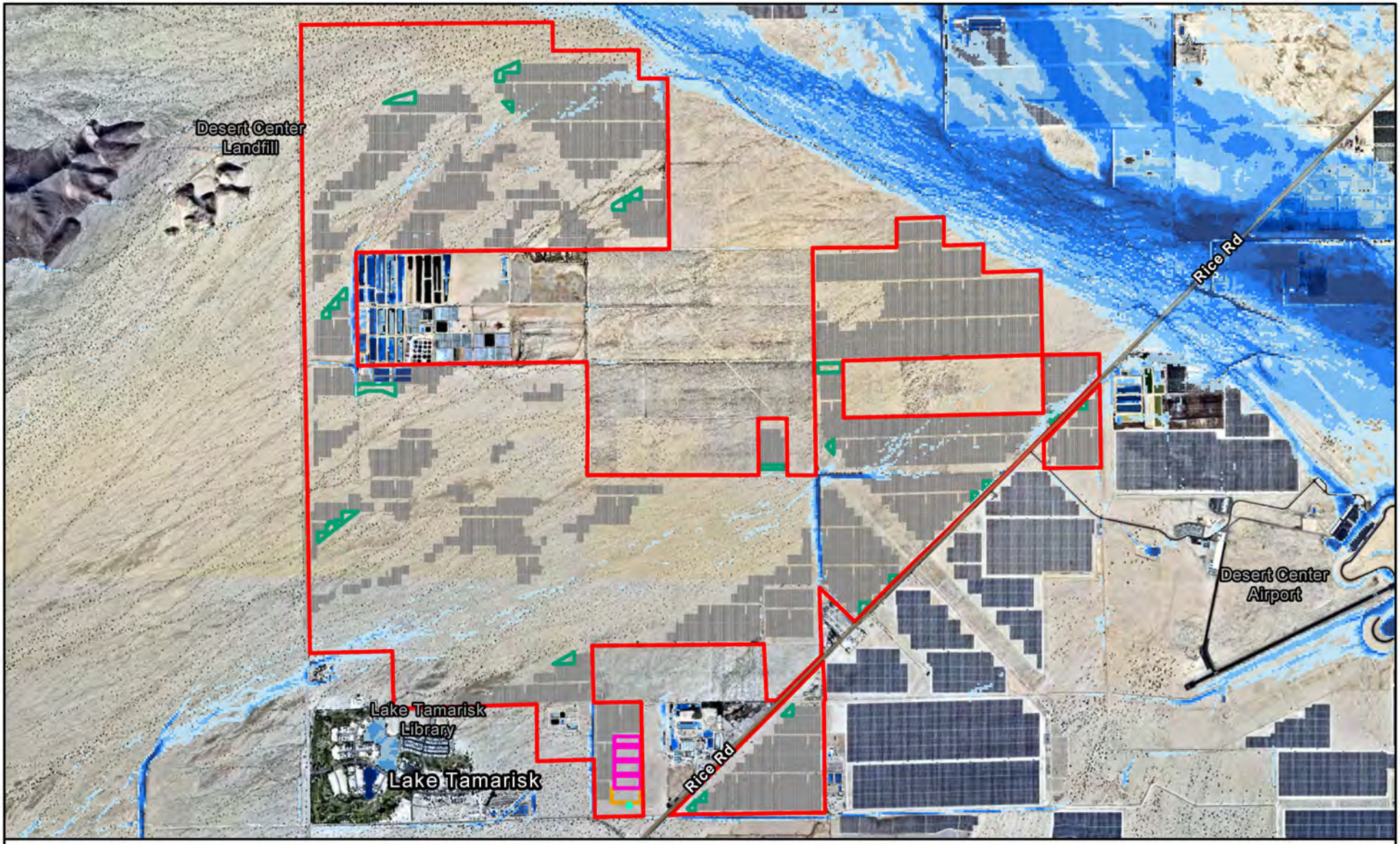


Figure 3.11-3

100-Year Max Flow Depth

Sources: Esri, 2023; Intersect Power, 2023.

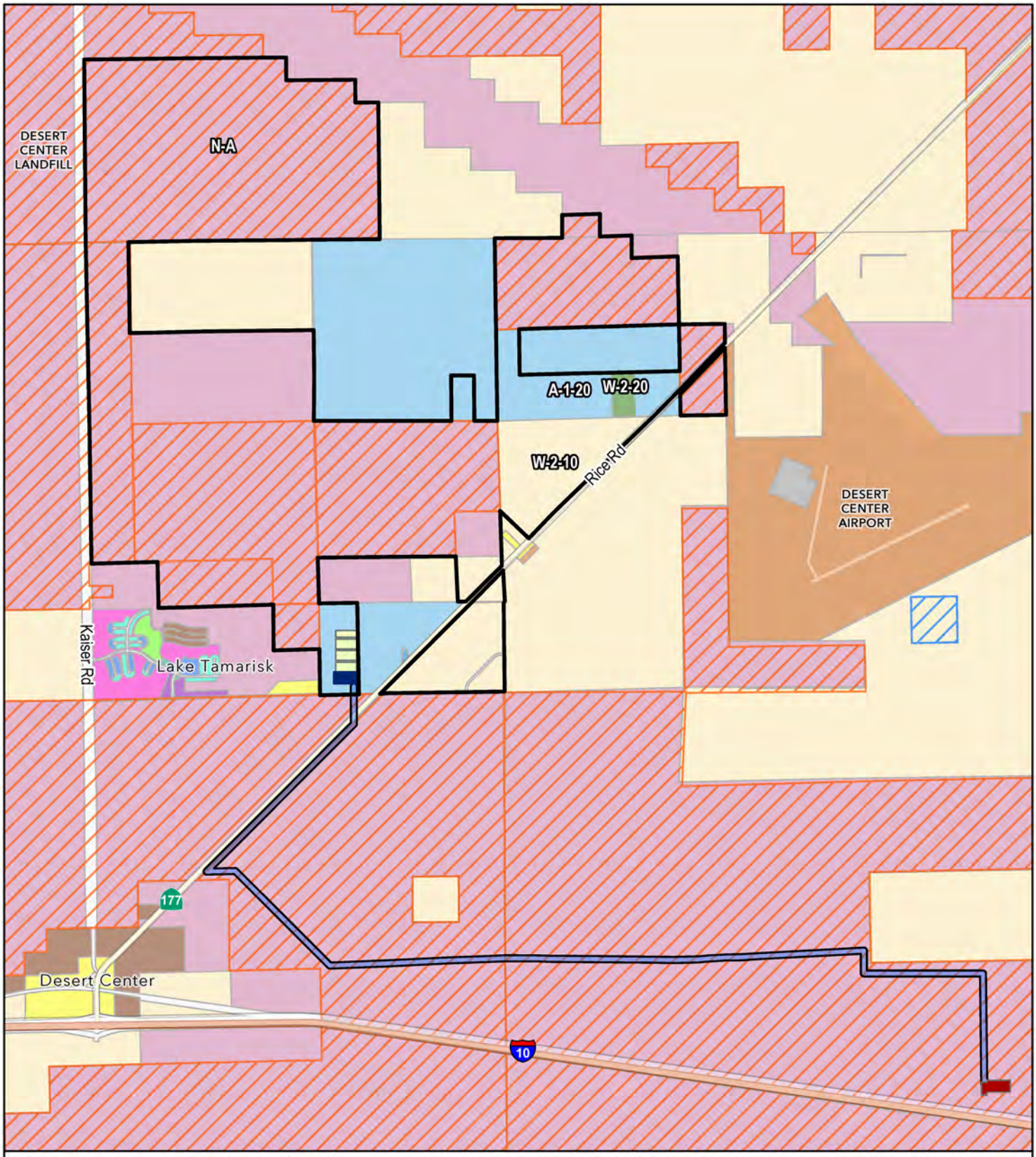


Figure 3.12-1

County Zoning on Project Lands

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

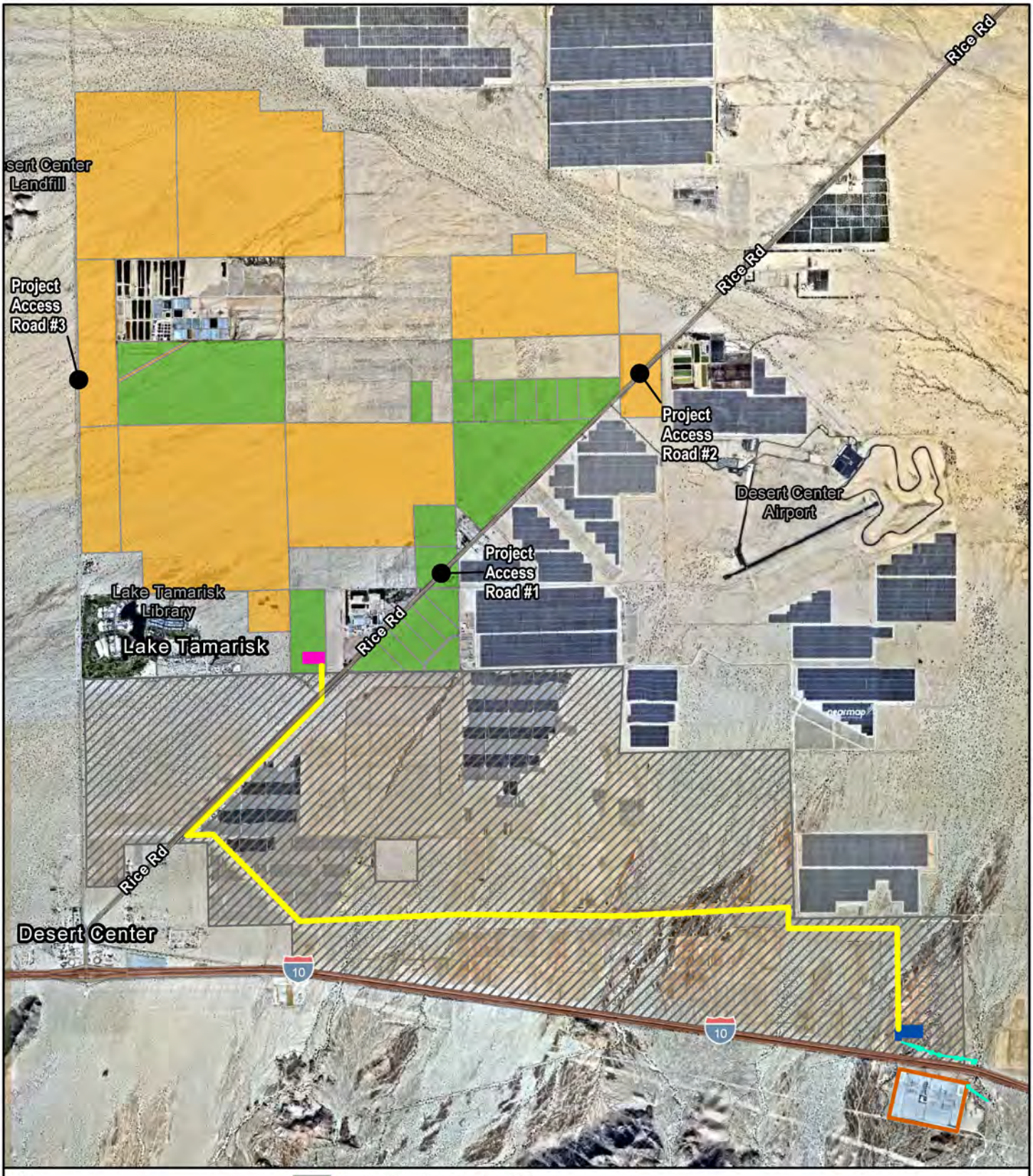


Figure 3.18-1

Easley Project Access

Temporary Construction Access Driveways
Existing Power Poles
Easley Renewable Energy Project Boundary
Fence
Gen-tie Corridor
Access Roads
O & M Facility
Laydown Yard
Inverters
Collection Corridor
Solar Panel Array
Substation
Desert Dry Wash Woodland
BESS
Bureau of Land Management

0 0.5 1 Miles

Figure 4-1A

Easley Renewable Energy Project
Proposed Temporary Construction Access

Sources: Esri, 2024; Intersect Power, 2024.

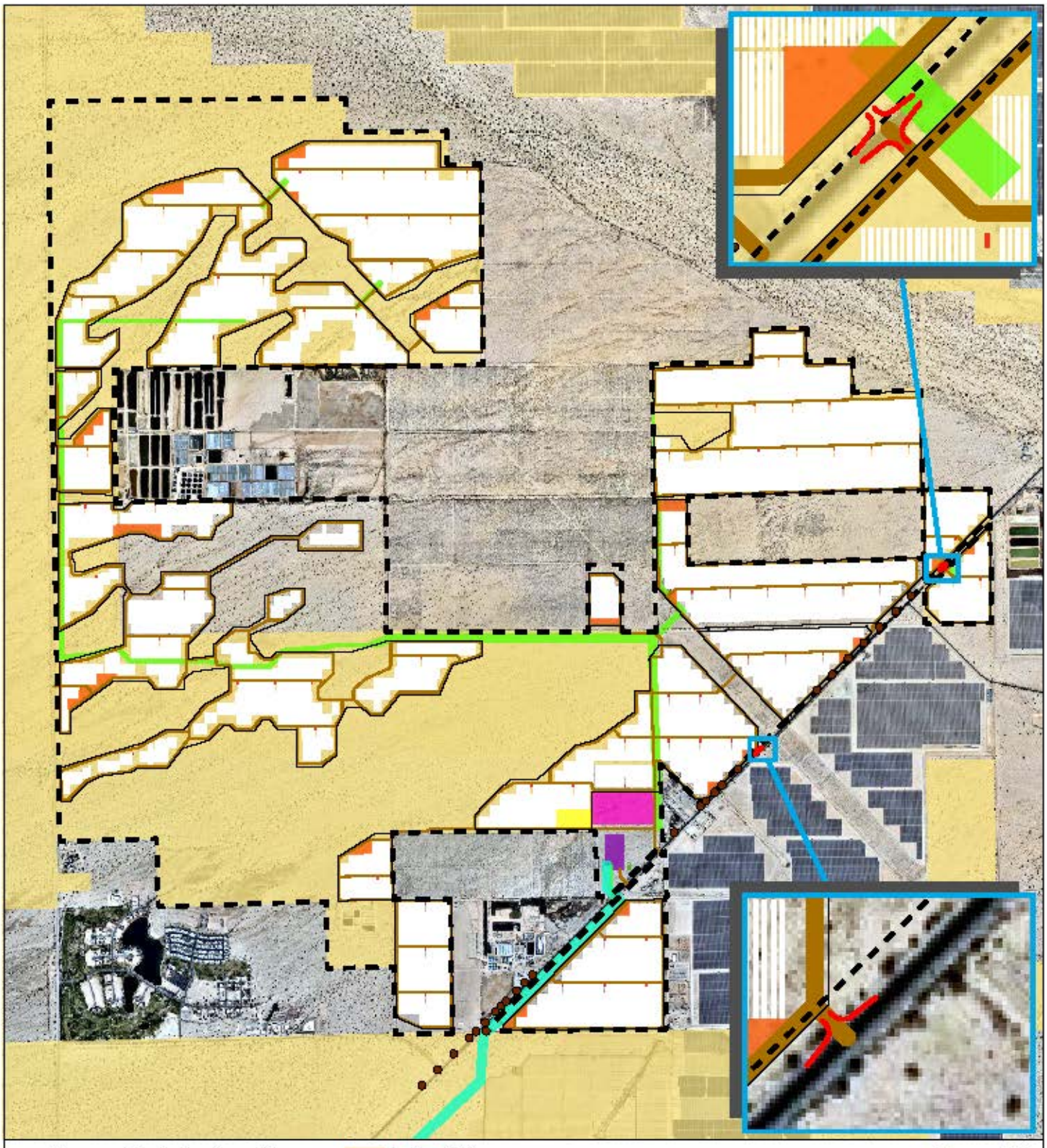
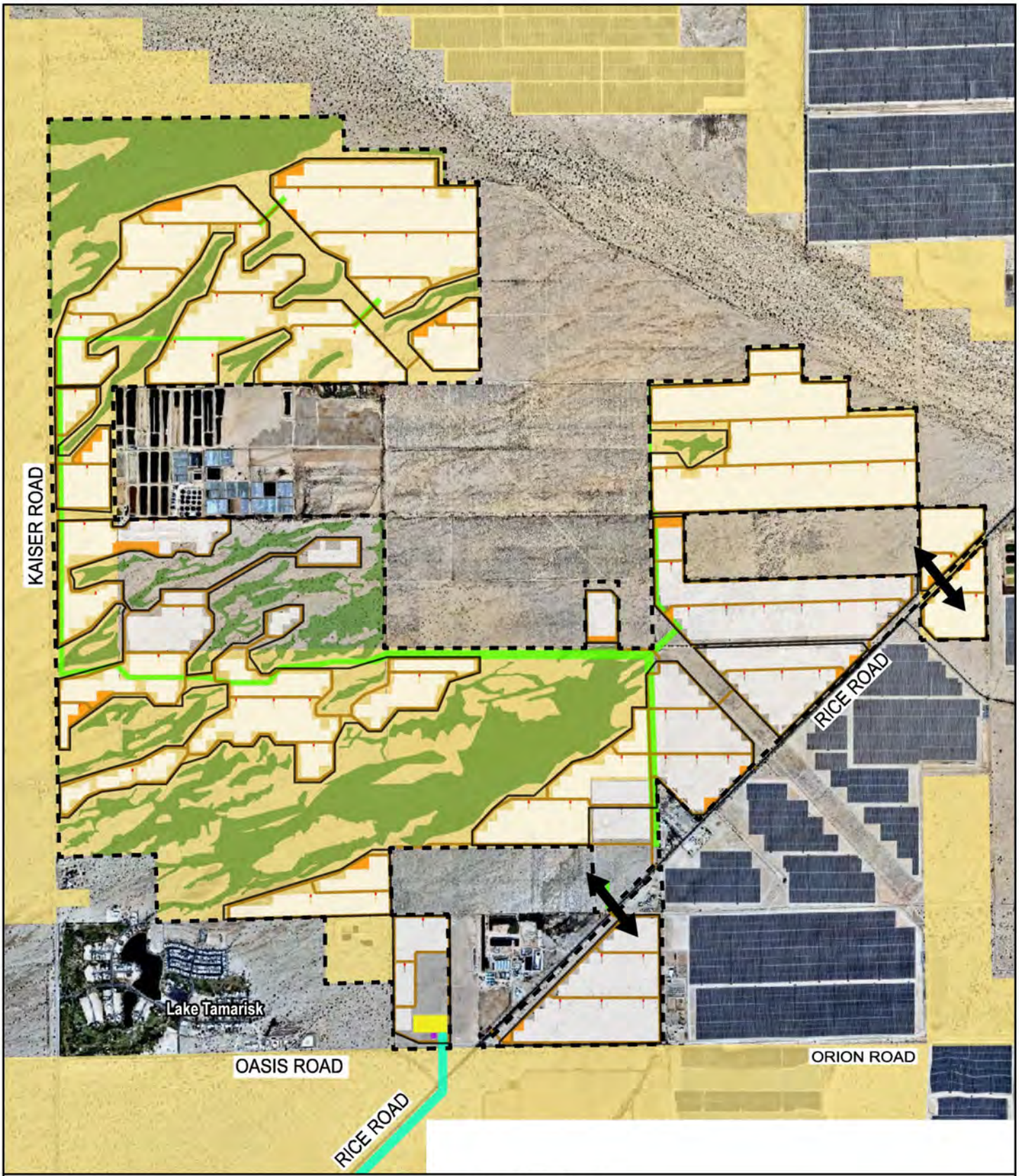


Figure 4-1B

Easley Renewable Energy Project
Lake Tamarisk Alternative
Temporary Construction Access

Sources: Esri, 2024; Intersect Power, 2024.



Source: DEA Inc., 2023.

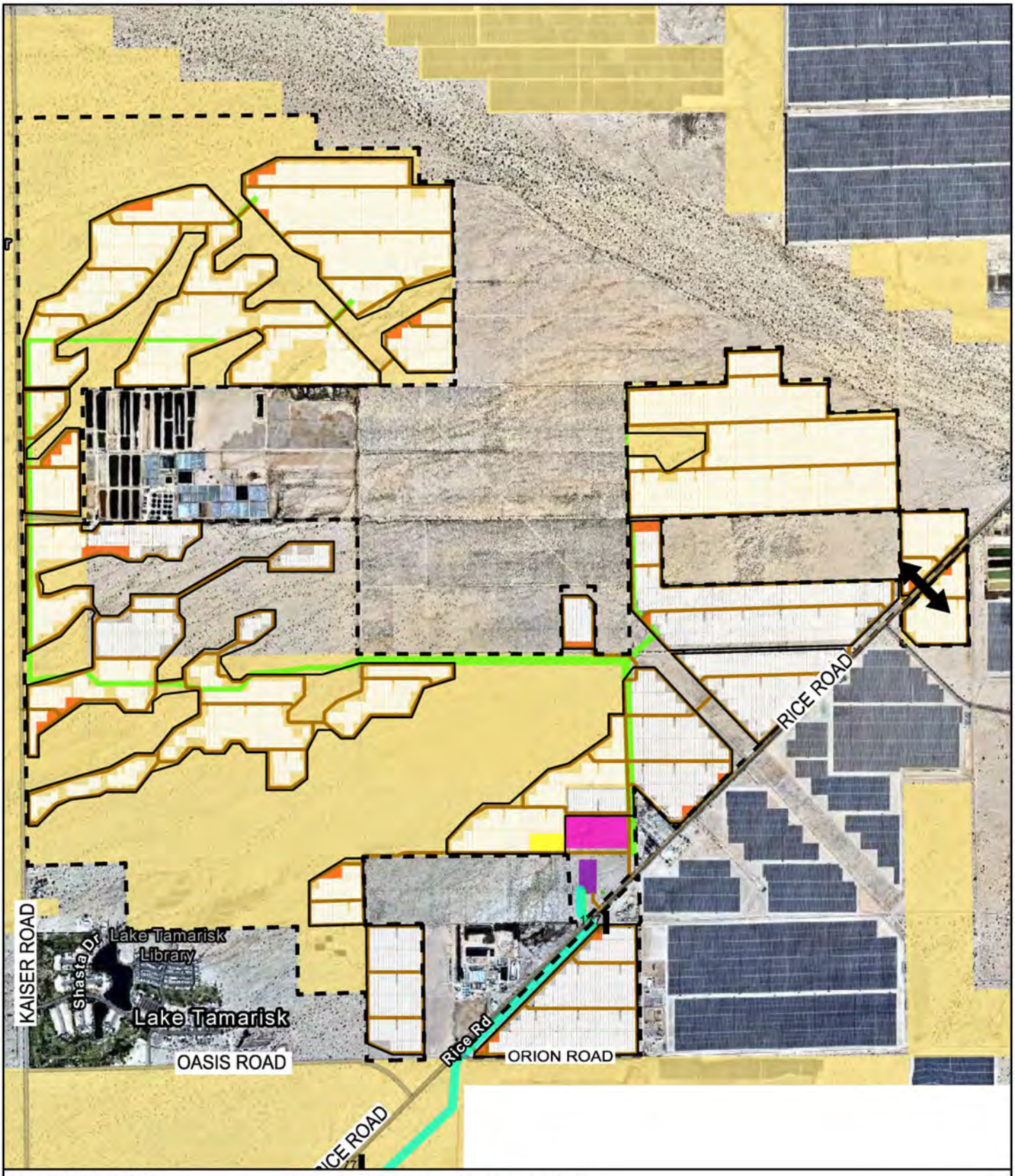
Proposed Project

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

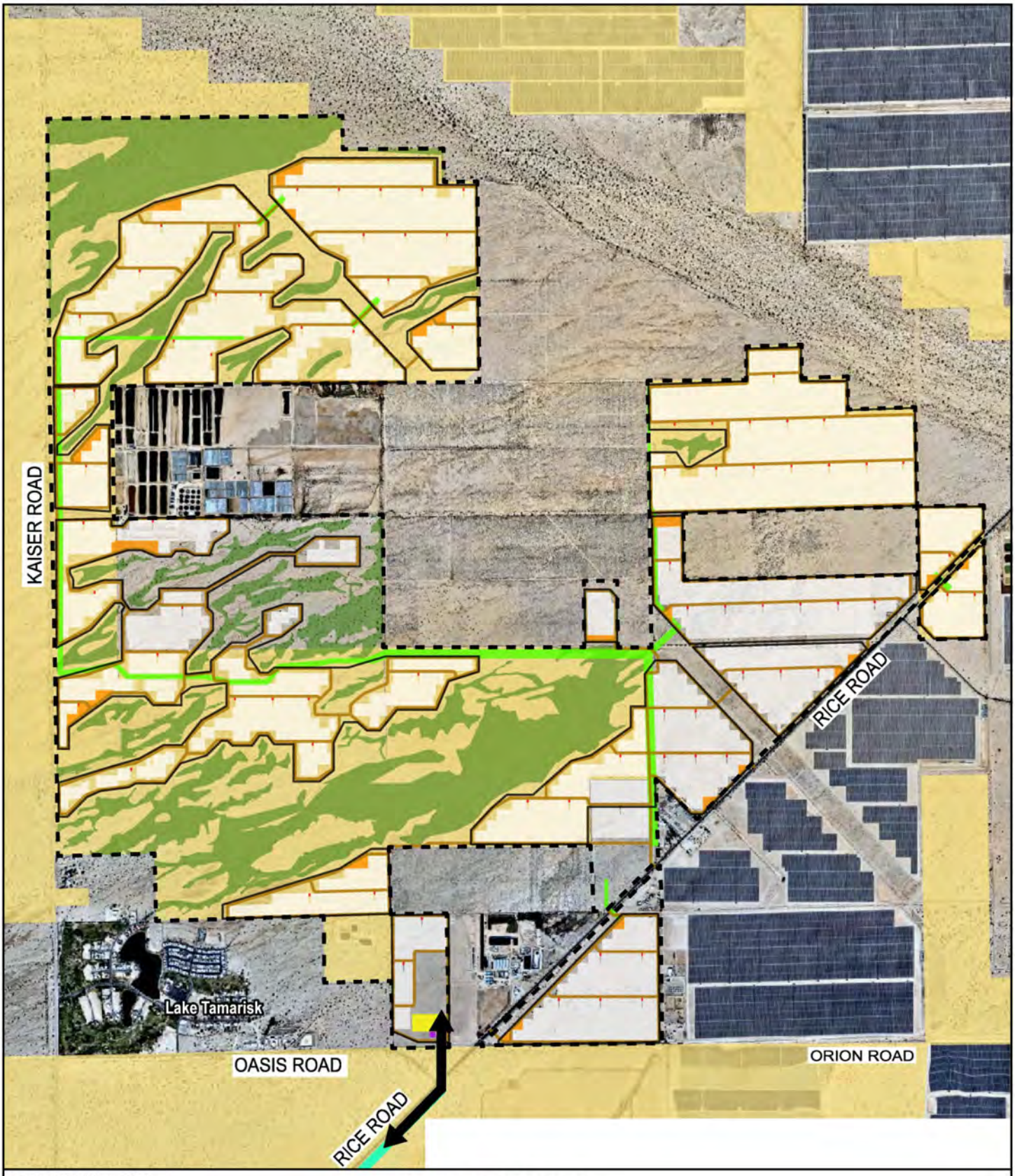
N

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

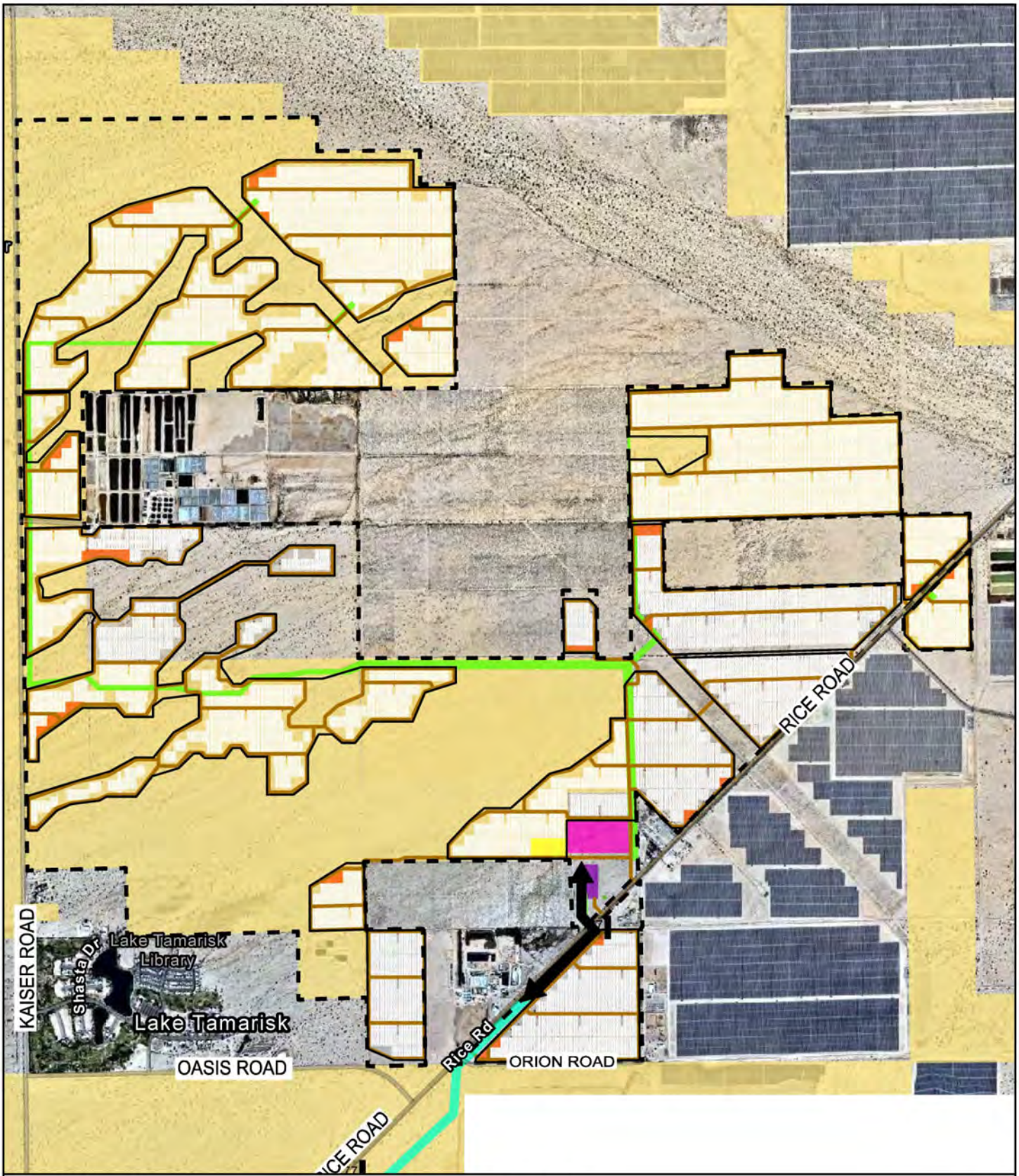
N

NOT TO SCALE

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

Figure 4-3A

Proposed Project Gen-tie 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)
- GEN-TIE OVERHEAD CROSSINGS
- Collection Corridor
- Solar Panel Array
- Alternative Substation Option 1
- Alternative Substation Option 2
- Alternative BESS
- Bureau of Land Management

Figure 4-3B

Alternative 2
Gen-tie Crossing

Figure 4-4A

Easley Renewable Energy Project
Proposed Permanent Construction Access

Sources: Esri, 2024; Intersect Power, 2024.

Figure 4-4B

Easley Renewable Energy Project
Lake Tamarisk Alternative
Permanent Construction Access

Sources: Esri, 2024; Intersect Power, 2024.

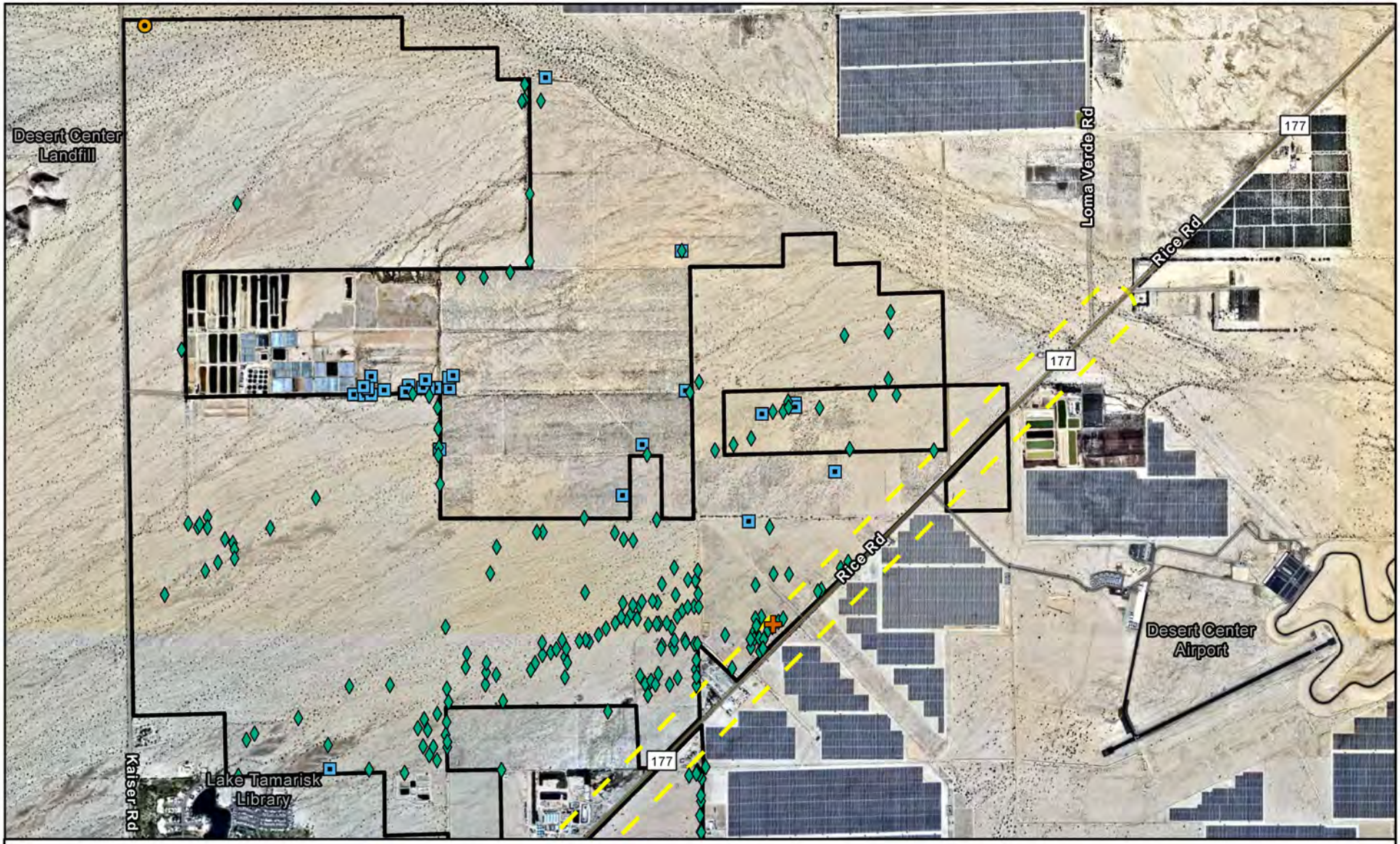


Figure 4-5A

Special-Status Plants

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

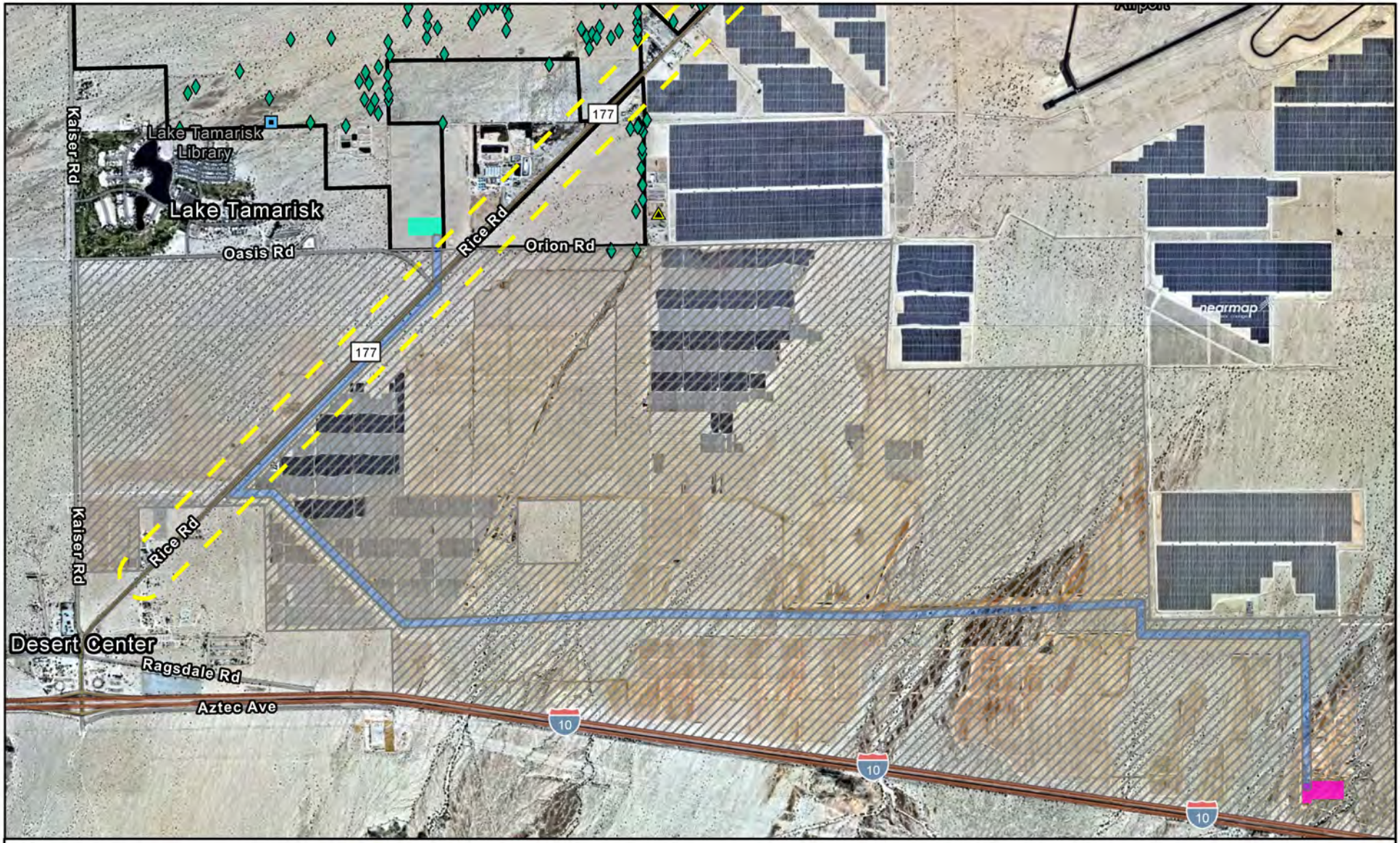


Figure 4-5B

Special-Status Plants

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

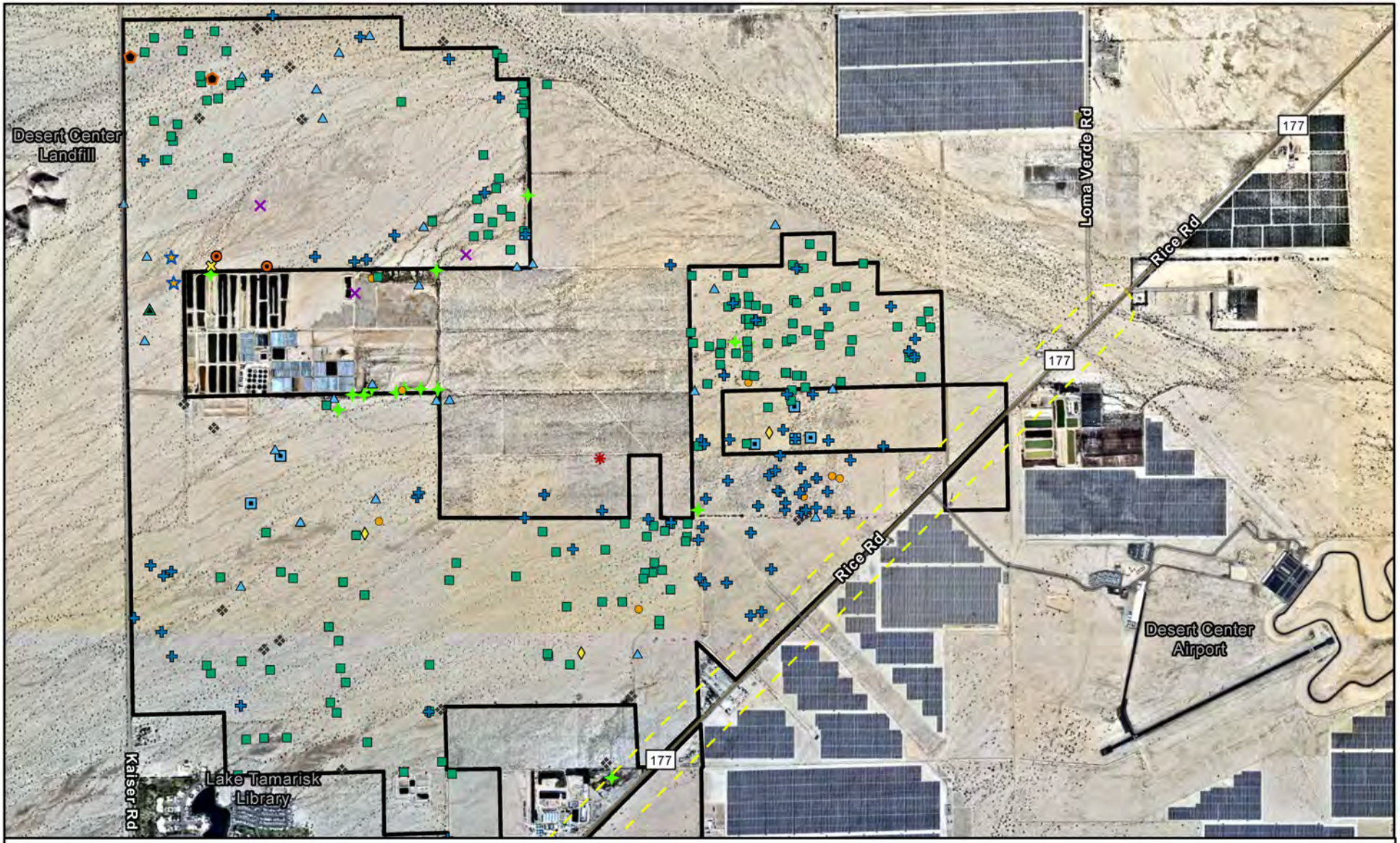


Figure 4-6A

Special-Status Wildlife

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

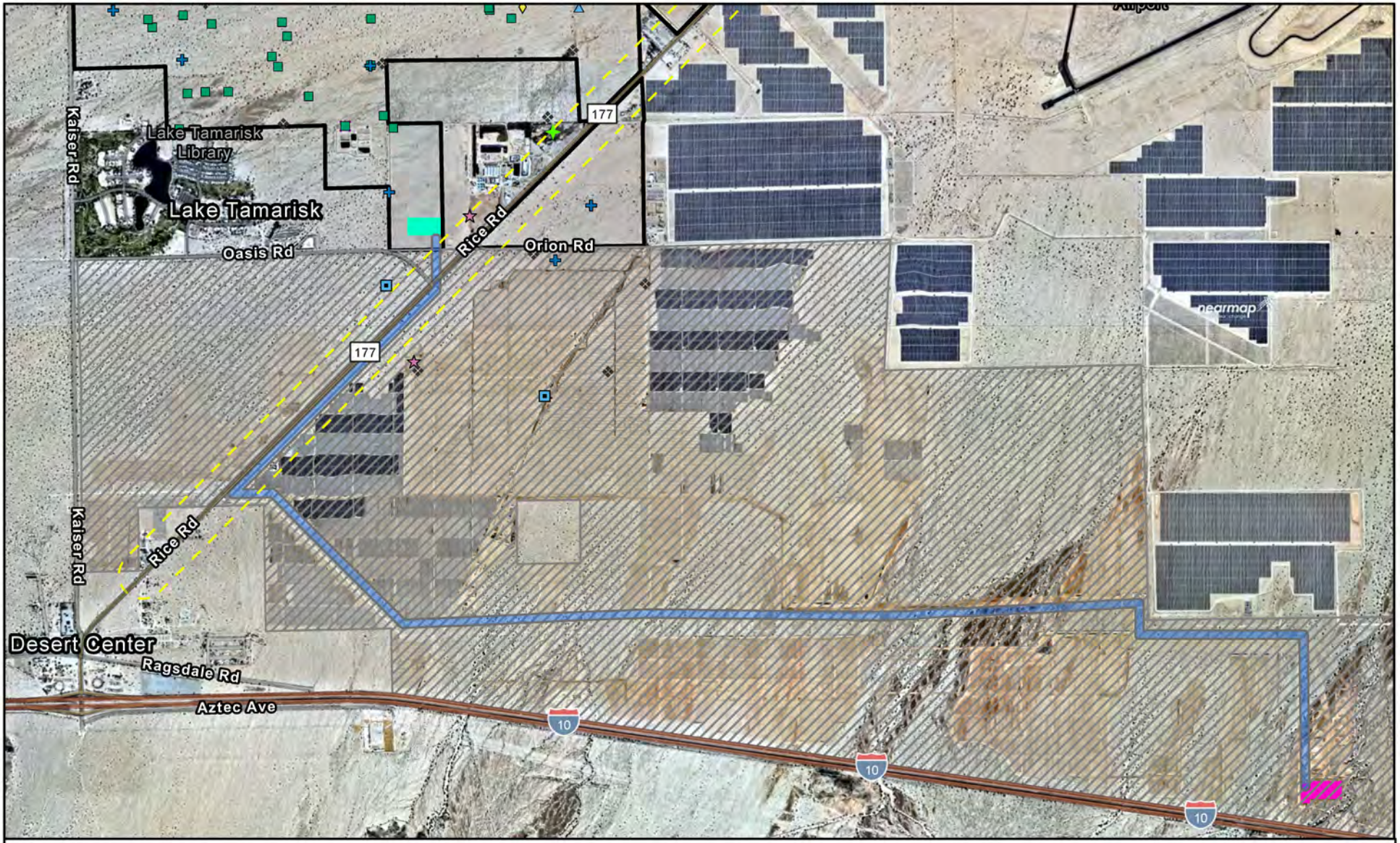


Figure 4-6B

Special-Status Wildlife

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