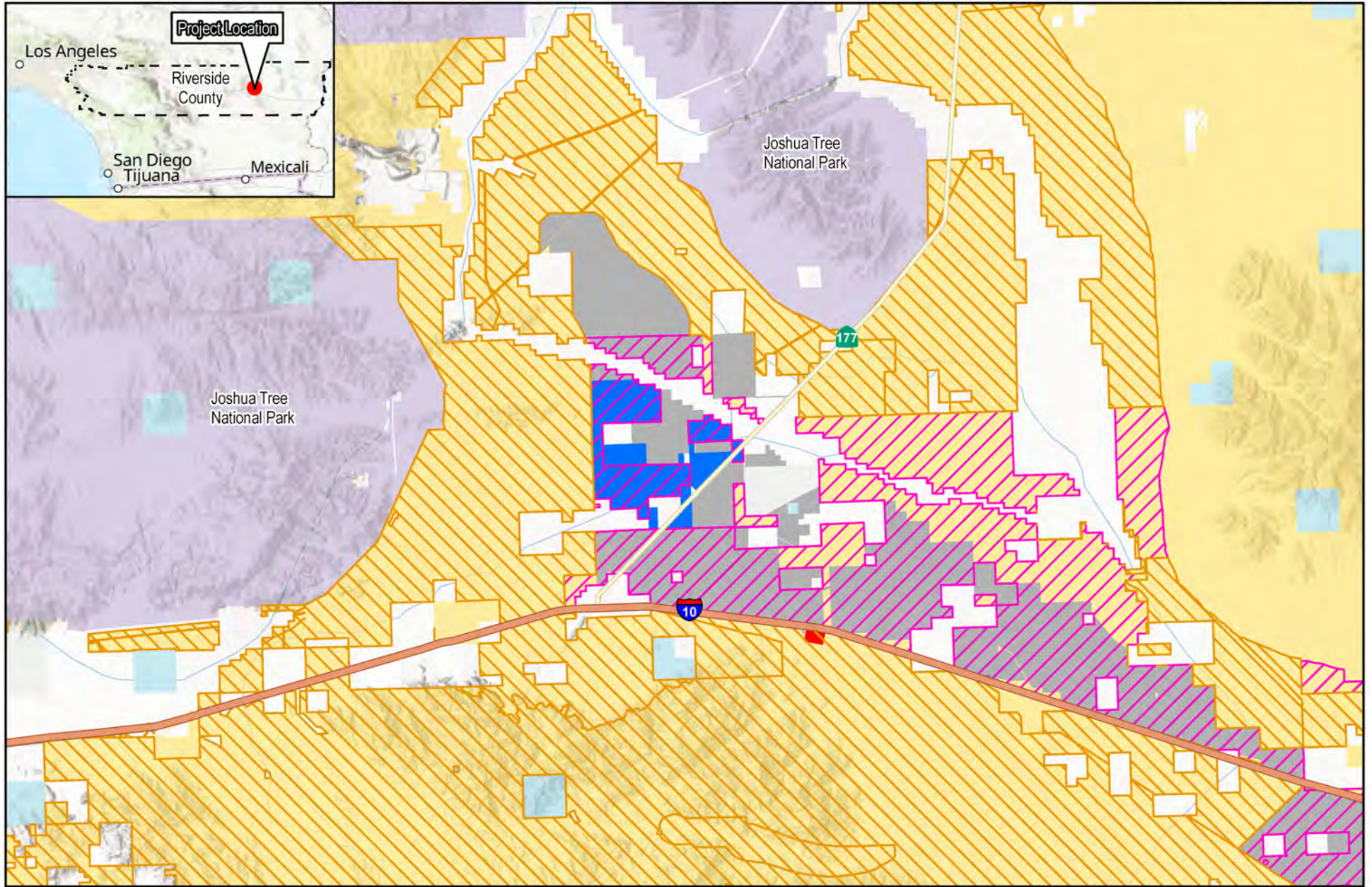


# Appendix A

## Figures and Maps



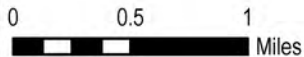
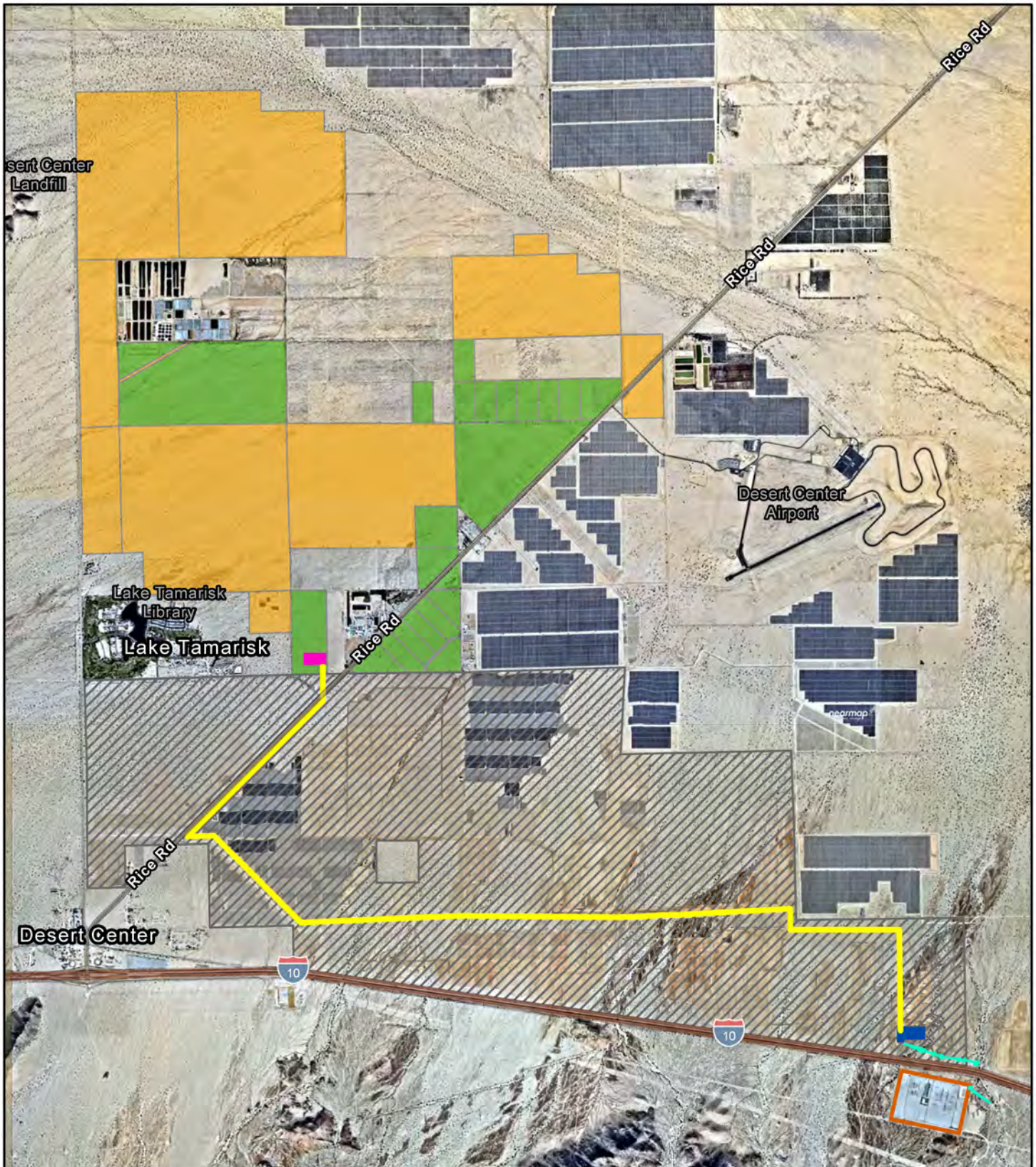
- |                                       |   |                       |
|---------------------------------------|---|-----------------------|
| Easley Renewable Energy Project       | ACEC                                      | National Park Service |
| Surrounding Renewable Energy Projects | Development Focus Area (All Technologies) | State                 |
| Red Bluff Substation                  | Bureau of Land Management                 |                       |

Figure 2-1

Project Vicinity

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





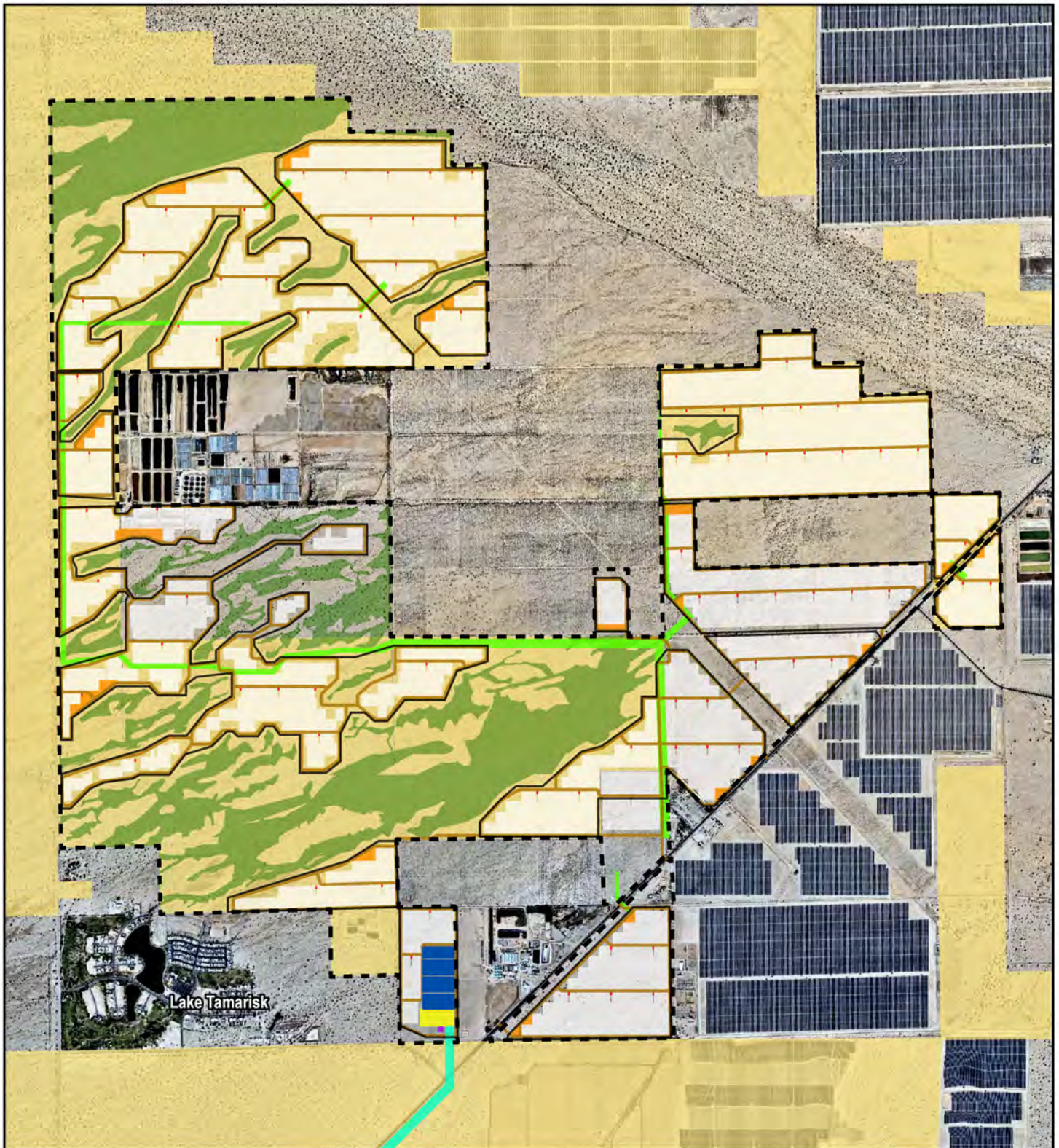
- Easley Project on Private Land
- Easley Project on Public Land
- Easley Proposed 500 kV Gen-tie Line (BLM-Administered Land)
- Oberon 500 kV Gen-tie Line (BLM-Administered Land)
- Red Bluff Substation
- Oberon Renewable Energy Project (BLM-Administered Land)
- Easley Proposed Substation
- Oberon Substation

**Figure 2-2**

**Project Area**

Sources: BLM, 2022; Esri, 2023; Intersect Power, 2023; NearMap, 2023.

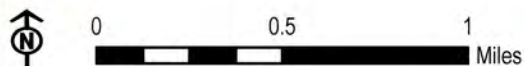




- |  |                           |
|--|---------------------------|
| Easley Renewable Energy Project Boundary | Collection Corridor       |
| Fence                                    | Solar Panel Array         |
| Gen-tie Corridor                         | Substation                |
| Access Roads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

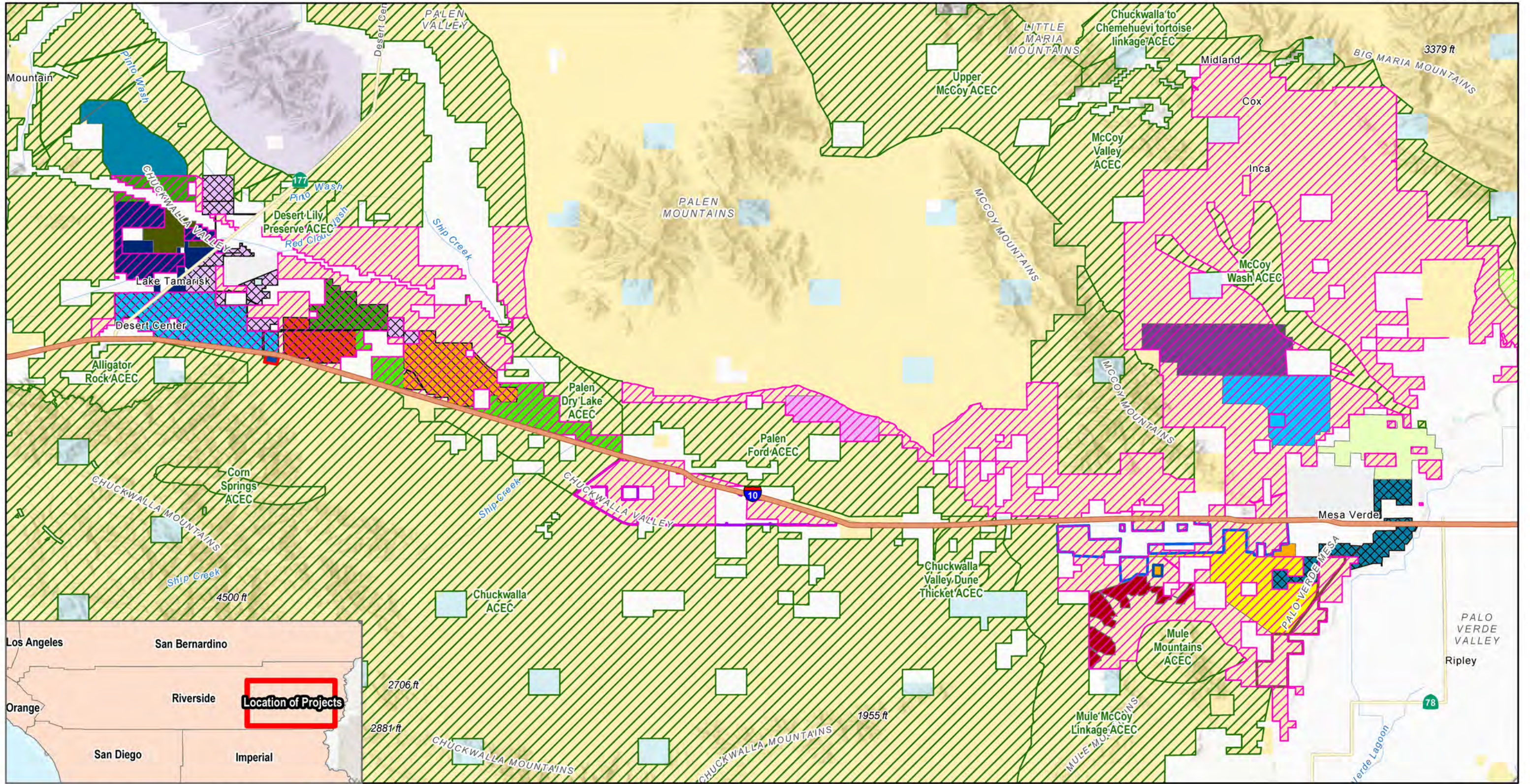
Figure 2-3

**Easley Renewable Energy Project  
Preliminary Engineering**



Sources: Esri, 2023; Intersect Power, 2023.

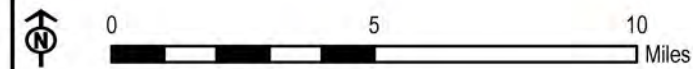




Area for All Renewable Energy Technologies	Area of Critical Environmental Concern (ACEC)	Blythe PV Project	Genesis Solar	Oberon	Calypso I Solar Project	Redonda Solar Project	<b>Land Ownership</b>
Variance Process Lands	Easley Renewable Energy Project	Blythe Solar	McCoy	Clearway-Victory Pass	Calypso II Solar Project	Red Bluff Substation	Military
	Sapphire Solar Project	Desert Quartzsite Solar	Palo Verde Mesa Solar	Clearway-Arica	Crimson Solar	Colorado River Substation	Bureau of Land Management
		Desert Sunlight	Athos Solar	Blythe Mesa	Lycan Solar Project		State
			Palen				National Park Service

Figure 2-4

East Riverside Solar Projects & DRECP Context



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



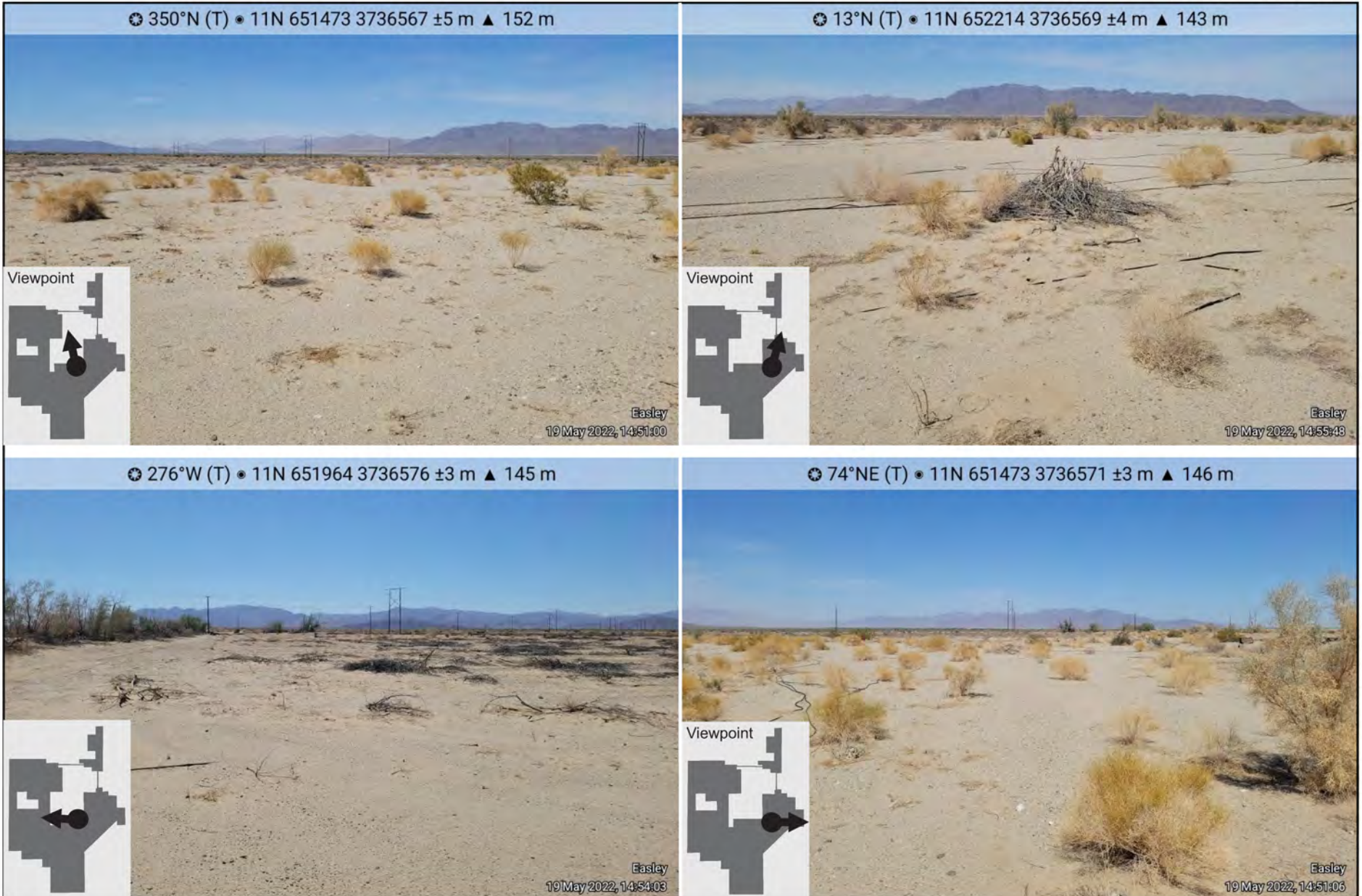


Figure 2-5

Site Photographs



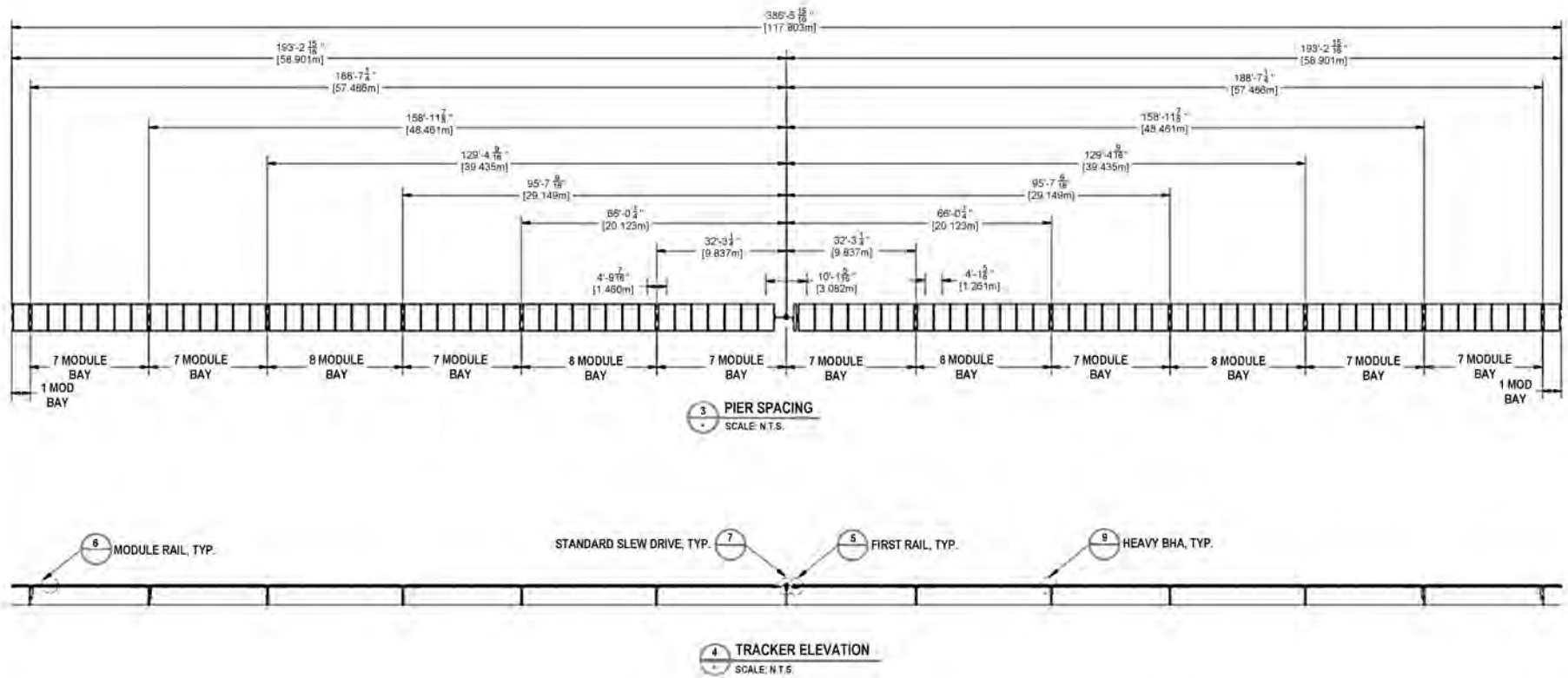
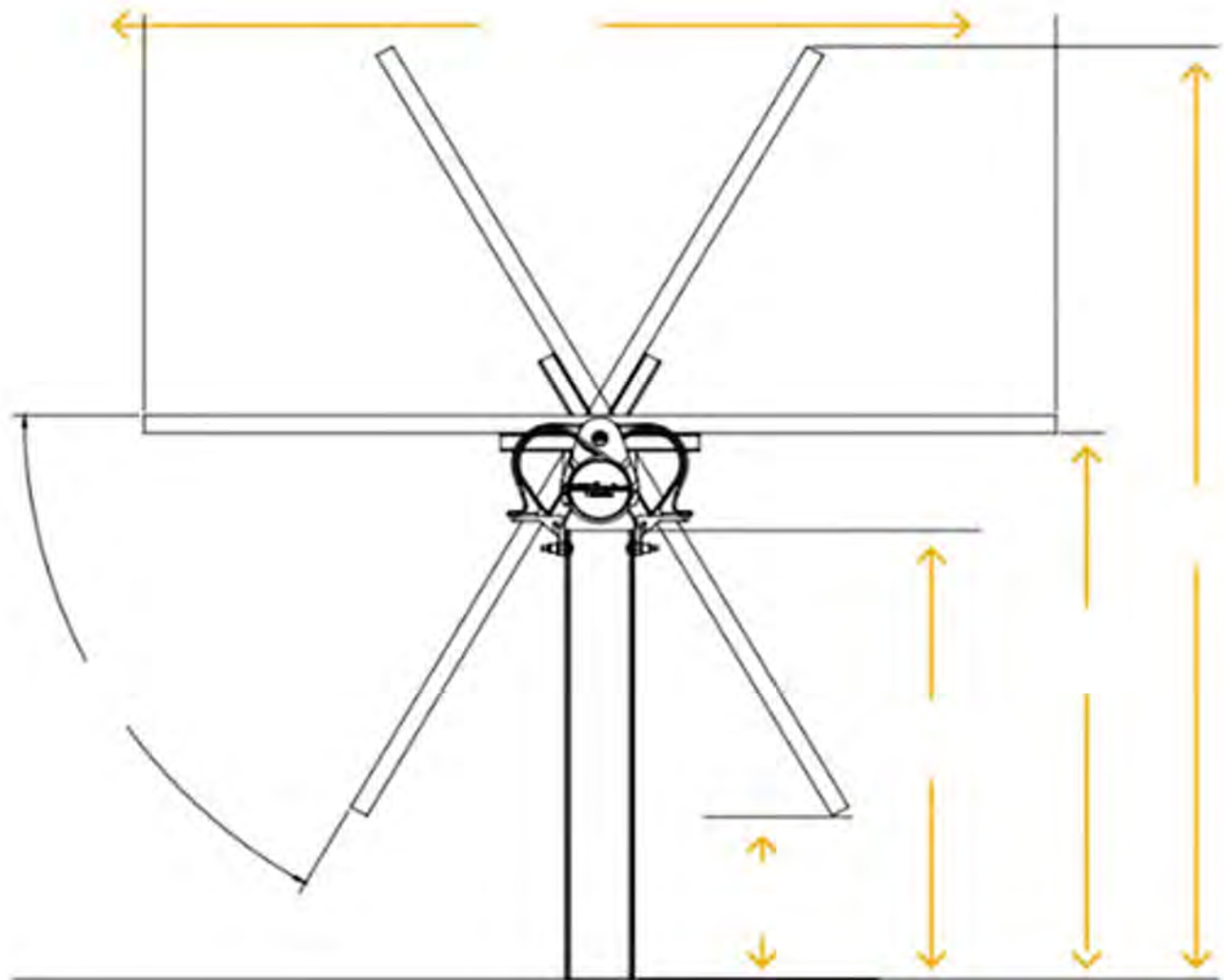


Figure 2-6

Typical Single Axis Tracker with Portrait Module Orientation





**Figure 2-7**  
**Typical Tracker Structure**



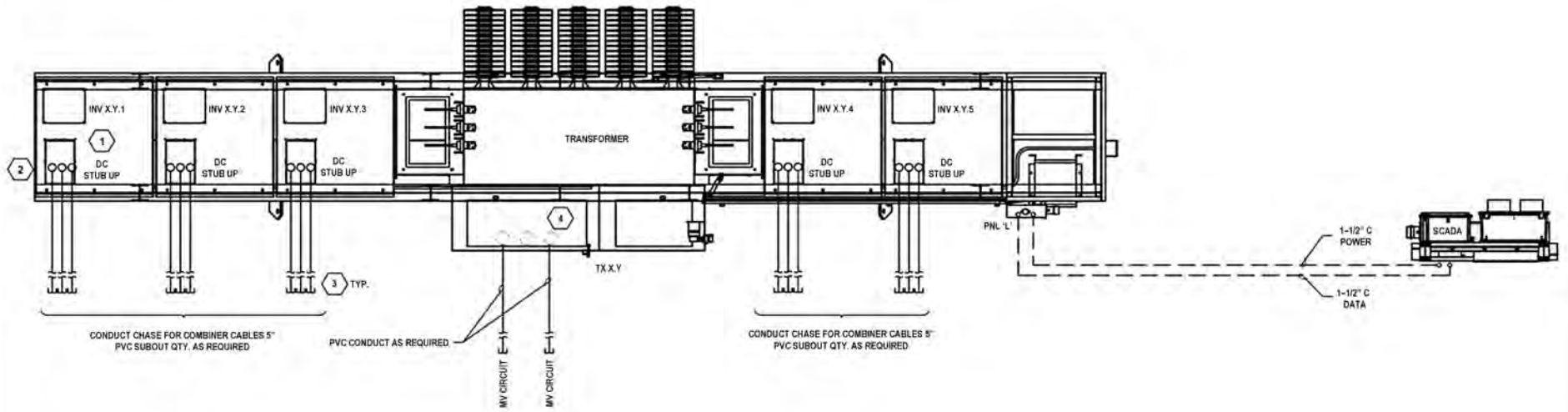
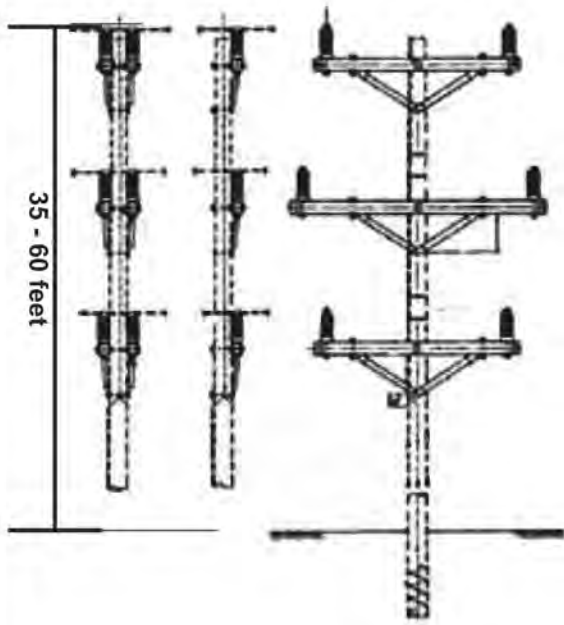


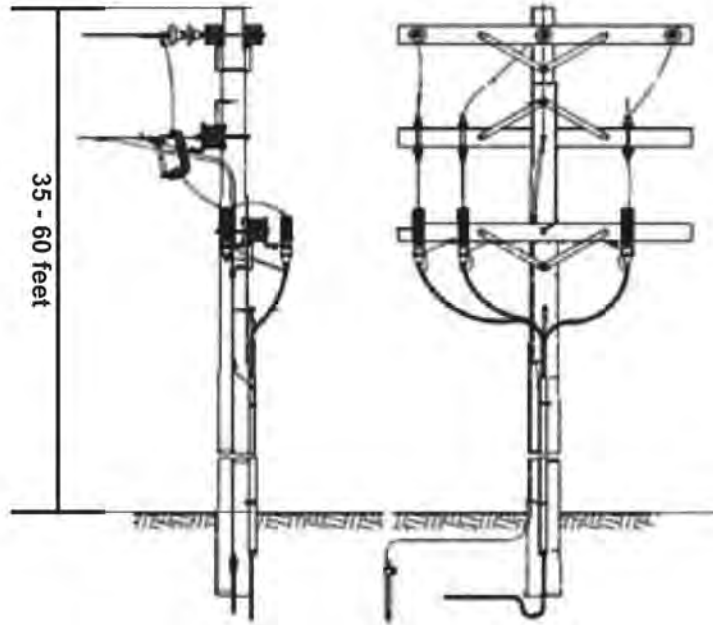
Figure 2-8

Typical Inverter Skid Layout

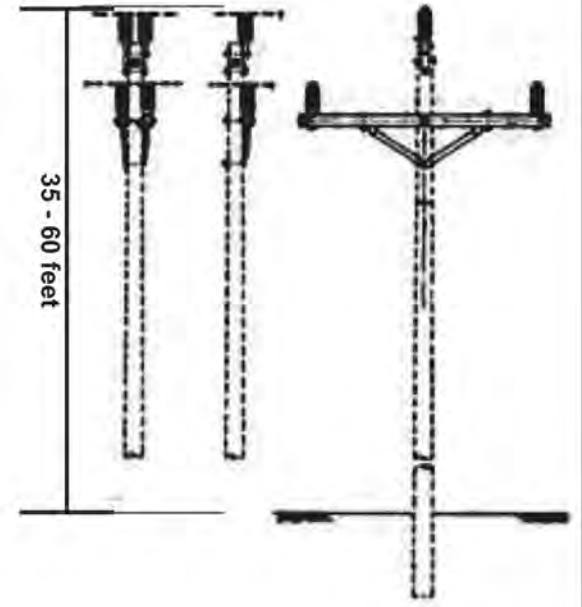




Double Circuit 34.5 kV  
Overhead Line Wood Pole



Riser Wood Pole



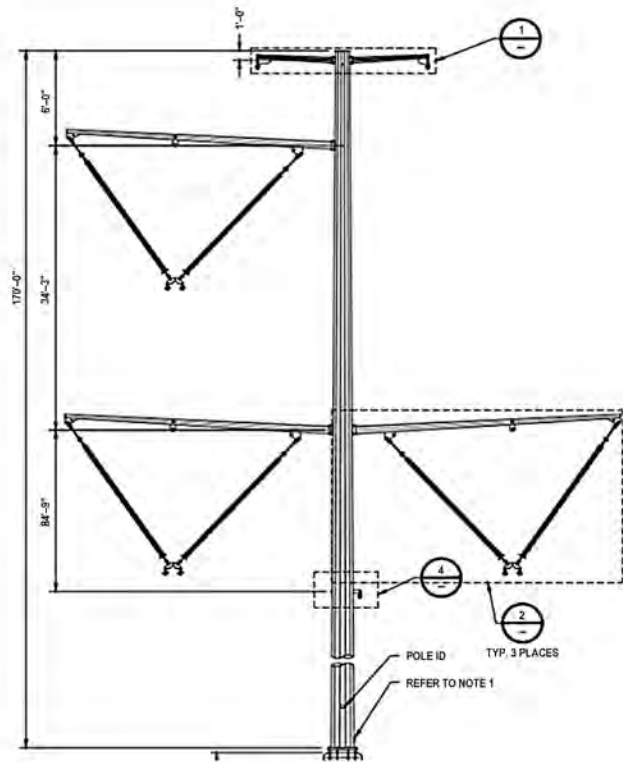
Single Circuit 34.5 kV  
Overhead Line Wood Pole

Figure 2-9

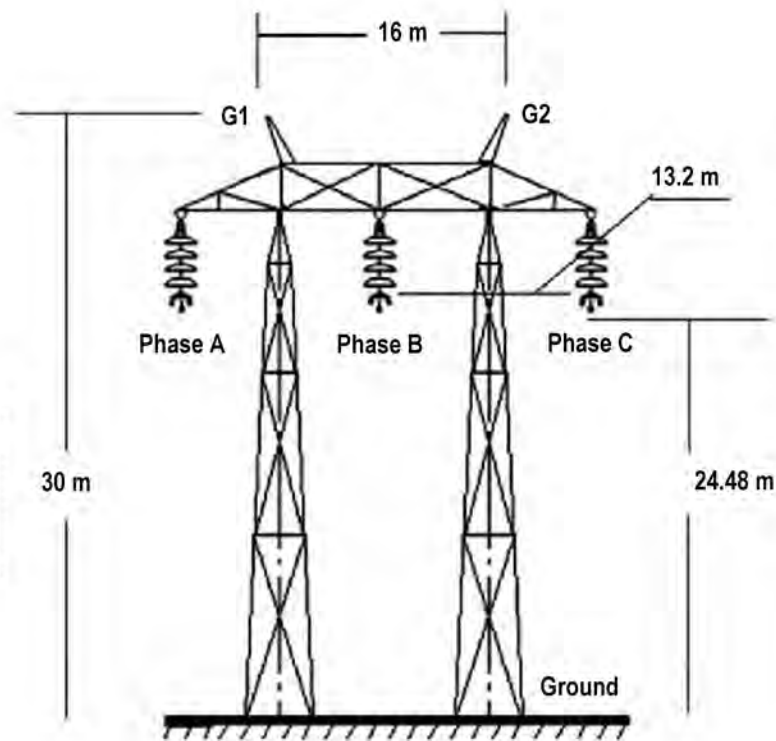
Typical 34.5 kV Medium Voltage  
Line Structures



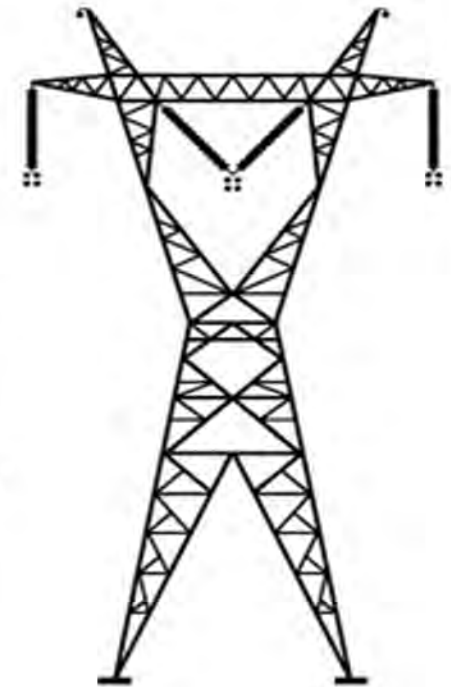
**Typical Monopole Structure**



**Typical Steel H-frame Structure**



**Typical Waist-type Lattice Structure**



**Figure 2-10**

**Typical Structure for 500 kV Gen-tie**



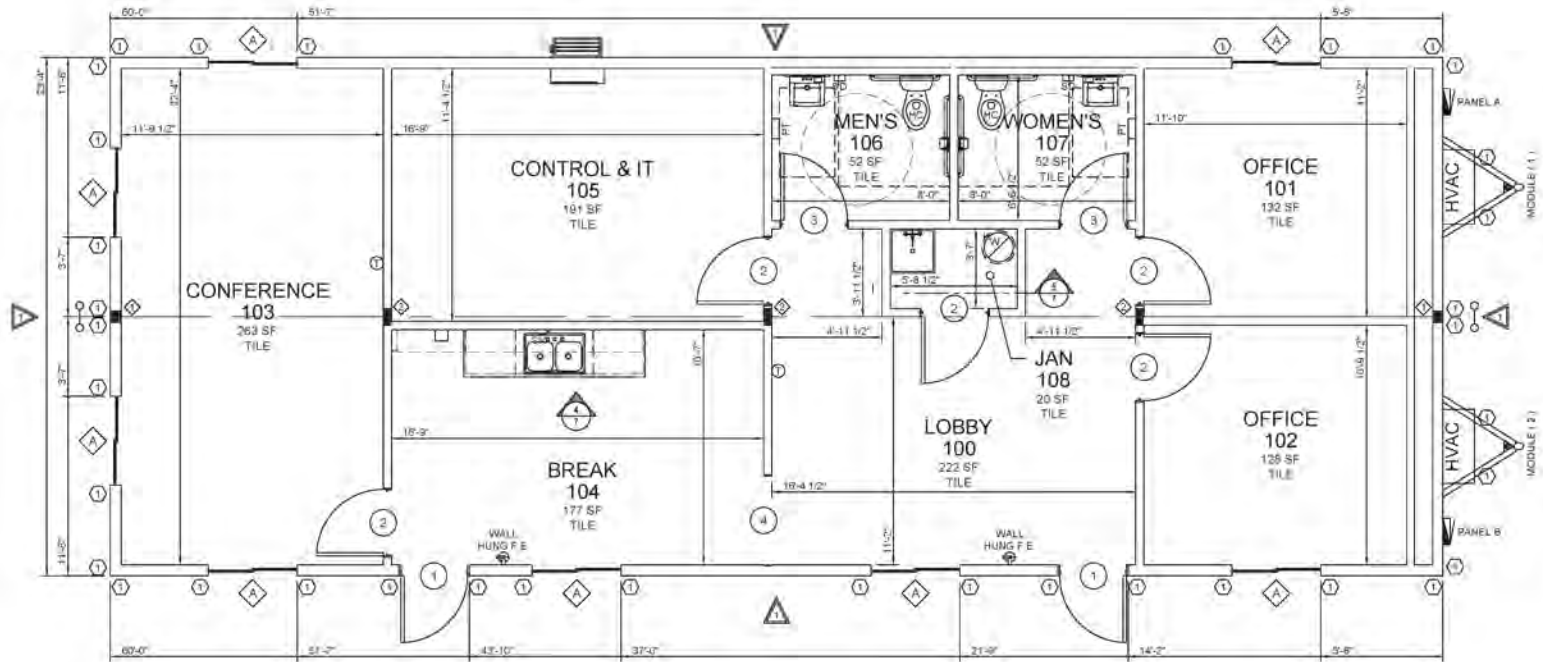


Figure 2-11

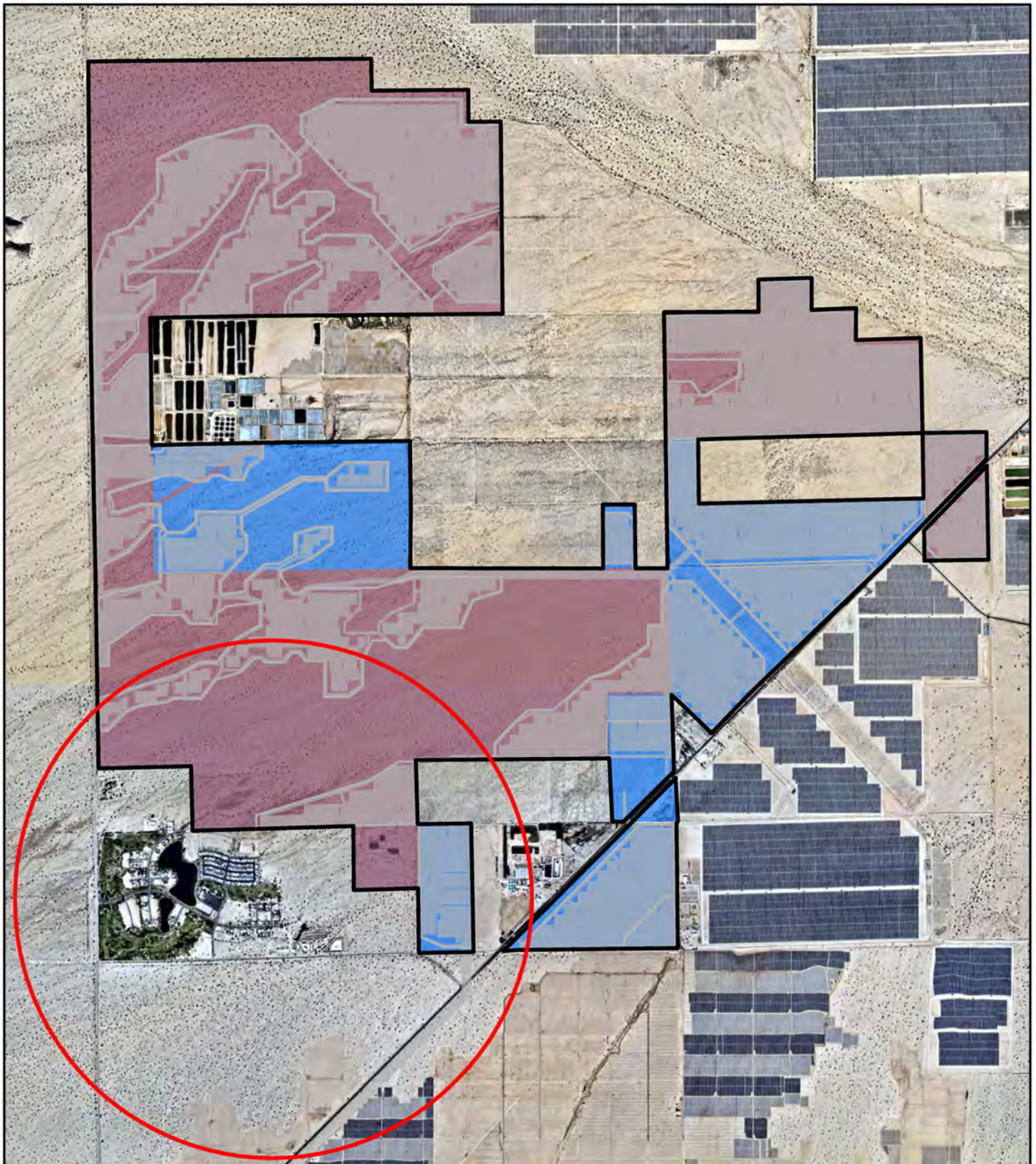
Typical O&M Building Floor Plan



**Figure 2-12**

**Typical BESS Enclosure**










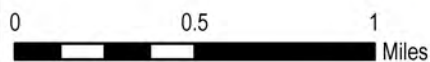
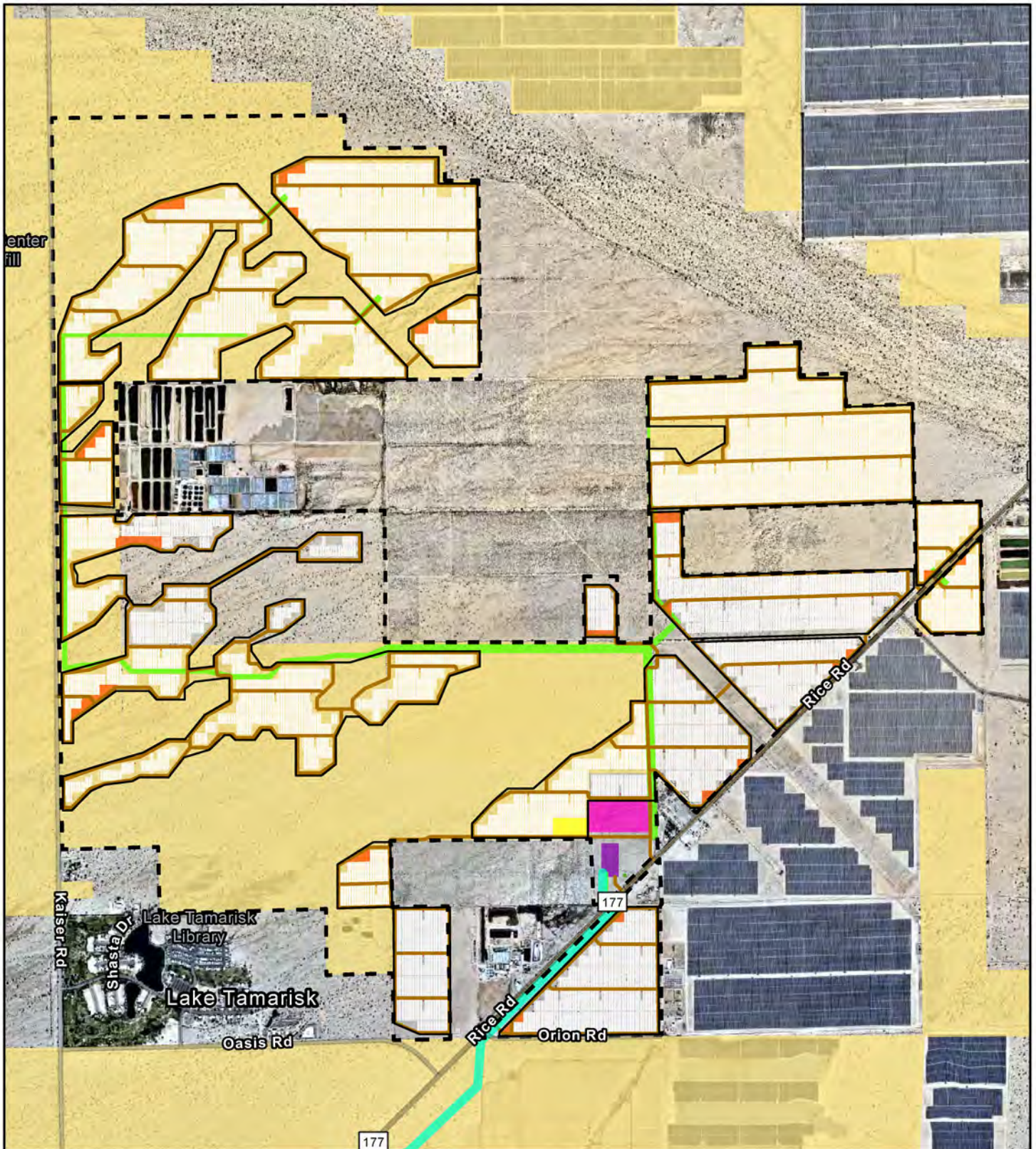
-  1-Mile Radius from APN 808-221-025
-  Easley Proposed Project Design
-  Easley Project Boundary
-  Easley Project Parcels (BLM Land)
-  Easley Project Parcels (Private Land)

Figure 2-13

**APM NOISE-1: One-Mile Radius**







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

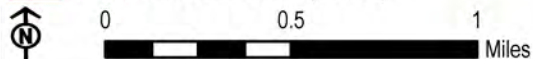


Figure 2-14

**Easley Renewable Energy Project  
Lake Tamarisk Alternative**

Sources: Esri, 2023; Intersect Power, 2023.



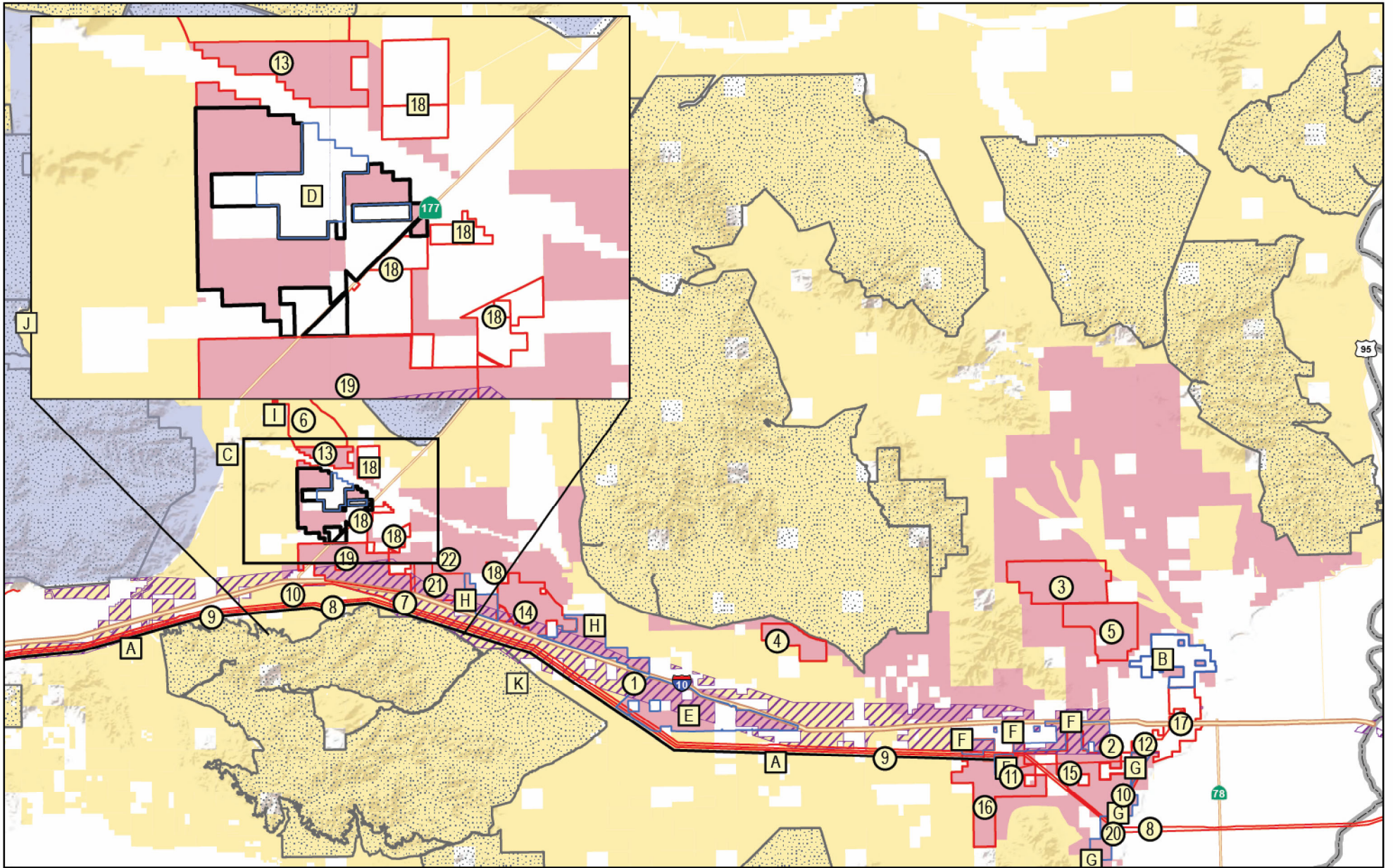
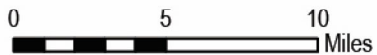


Figure 3.1-1

Cumulative Projects



\*Refer to tables 3.1-1 and 3.1-2 for information on Existing and Foreseeable Projects.



**Existing Projects\***



**Foreseeable Projects\***



Proposed Project Area

Section 368 Energy Corridors

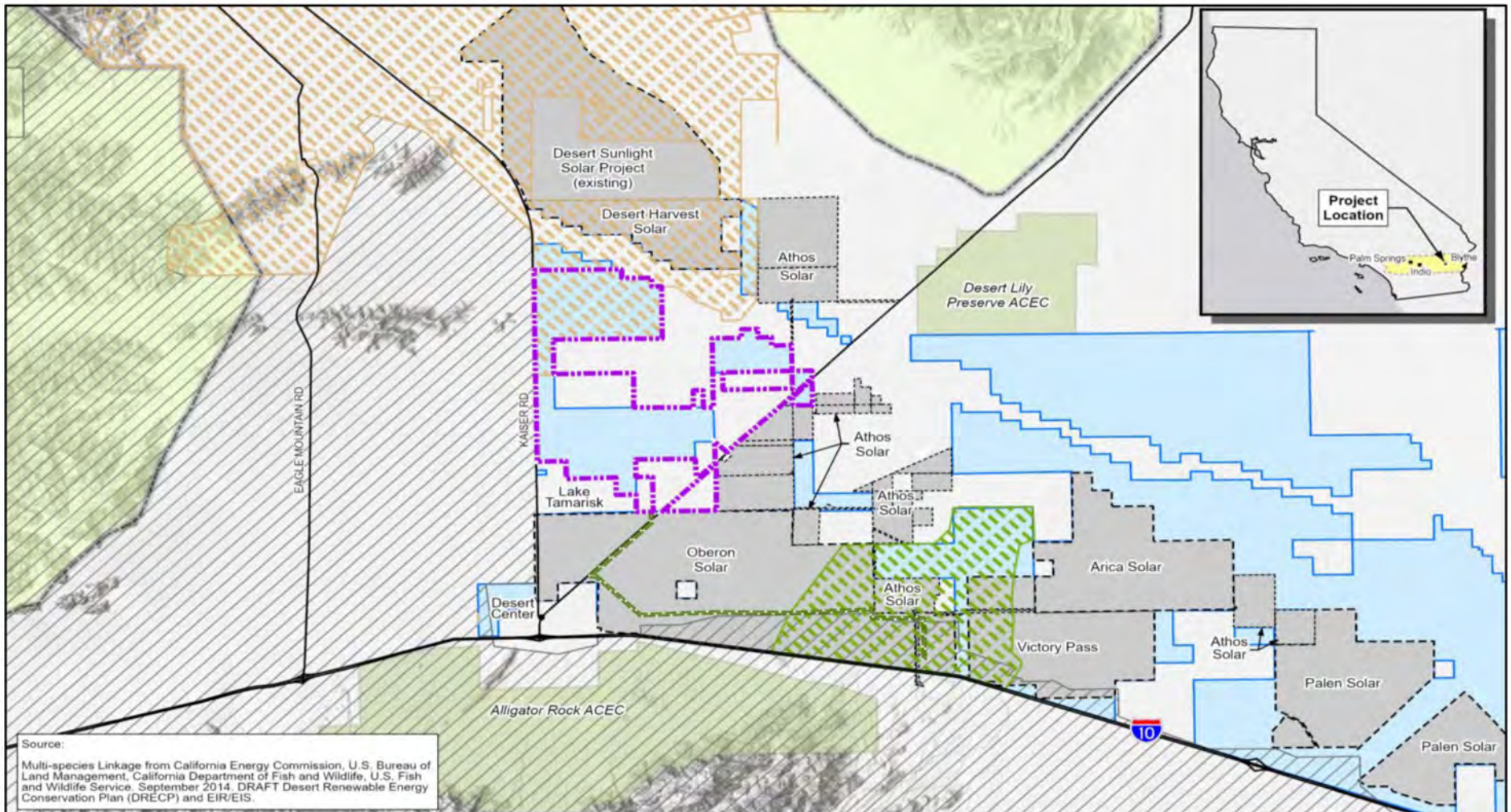
Wilderness Area

DRECP Development Focus Areas

Bureau of Land Management Land

Joshua Tree National Park





Source:  
 Multi-species Linkage from California Energy Commission, U.S. Bureau of Land Management, California Department of Fish and Wildlife, U.S. Fish and Wildlife Service, September 2014, DRAFT Desert Renewable Energy Conservation Plan (DRECP) and EIR/EIS.

- |   |  |   |   |
|---|--|---|---|
|  | Easley Renewable Energy Project Boundary         |  | Multi-Species Linkage Area                    |
|  | Easley Renewable Energy Project Gen-Tie Corridor |  | Area of Critical Environmental Concern (ACEC) |
|  | Desert Tortoise Conservation Area                |  | Joshua Tree National Park                     |
|  | Tortoise Conservation Area Linkage               |  | Solar Project Boundary                        |
|   |  |  | Development Focus Area (DFA)                  |

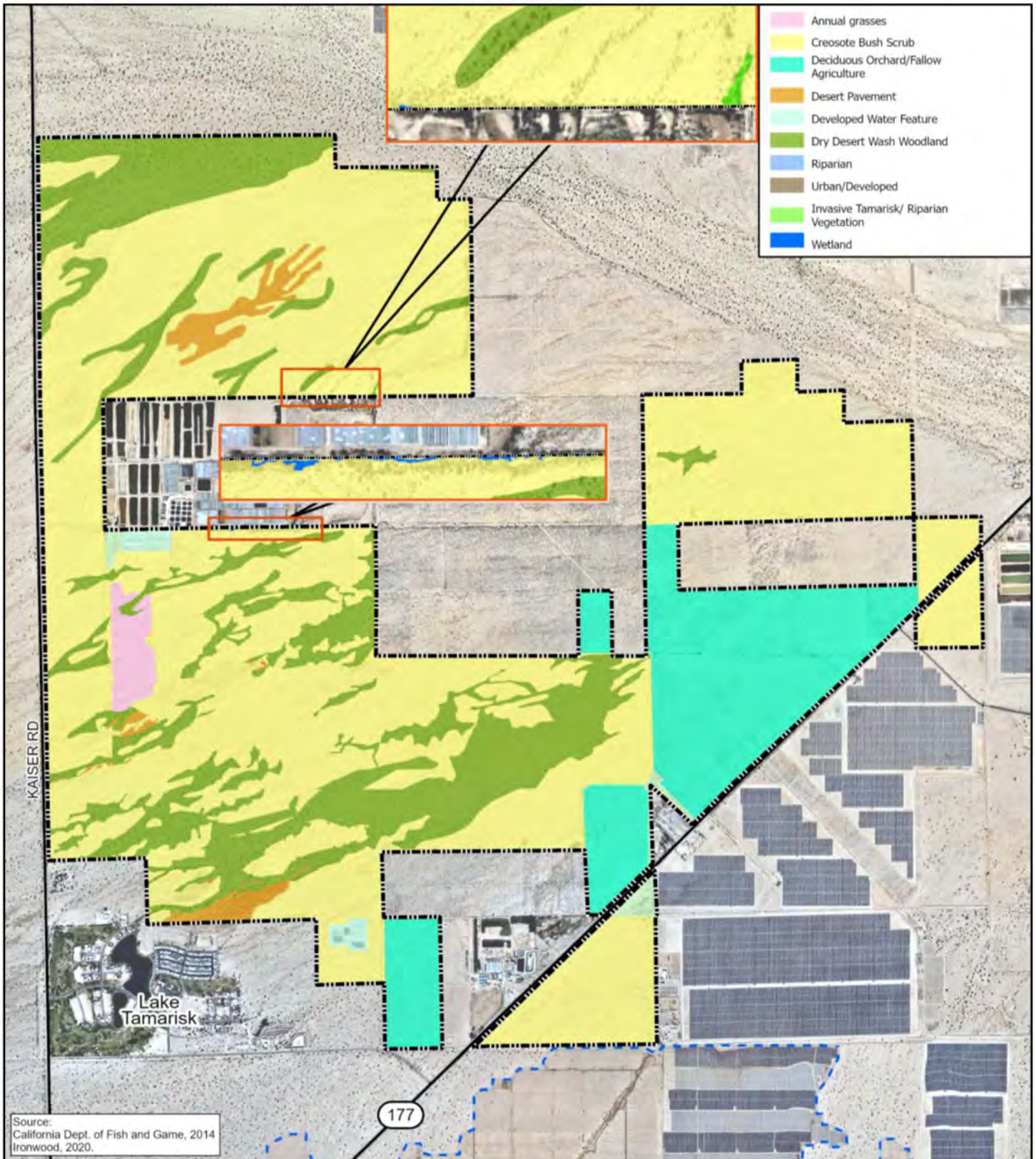
Source: Ironwood, 2023a.



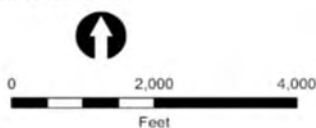
**Figure 3.5-1**



**General Vicinity**





Source: Ironwood, 2023a.

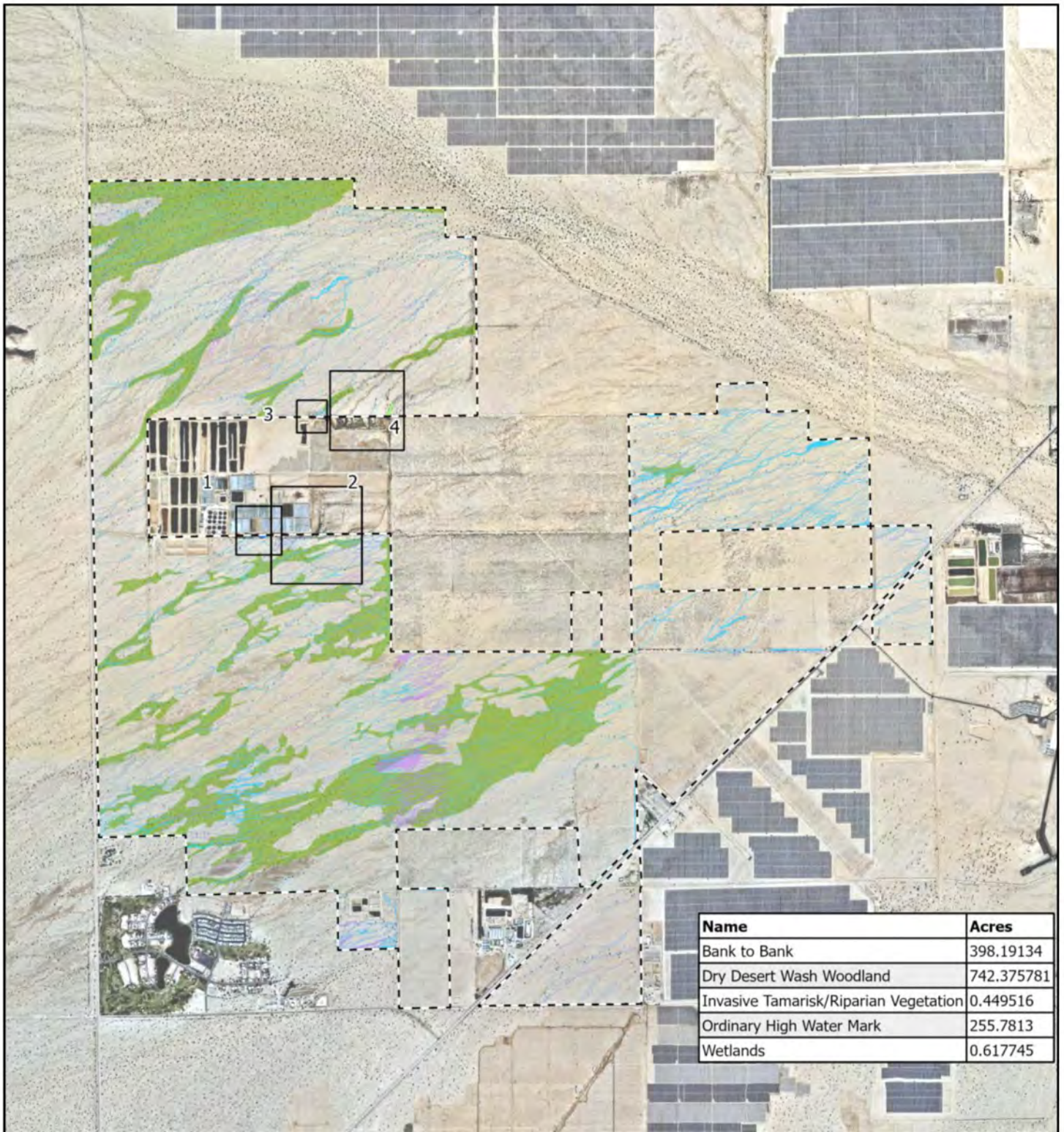


-  Easley Renewable Energy Project Boundary
-  Oberon Project Boundary

**Figure 3.5-2**

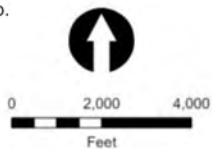
**Vegetation Communities**





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

Source: Ironwood, 2023b.

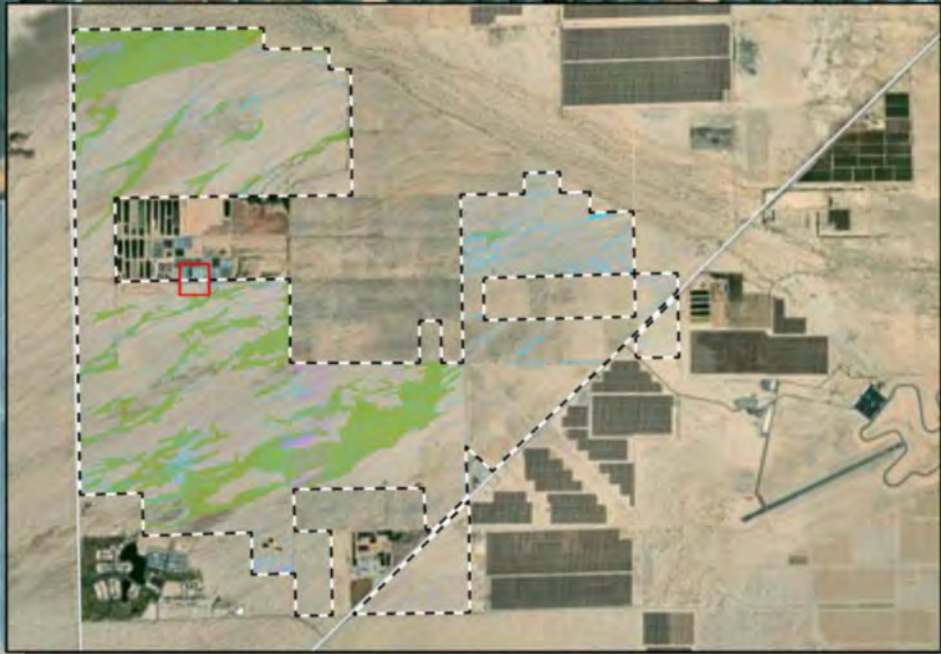


**Figure 3.5-3a**

**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

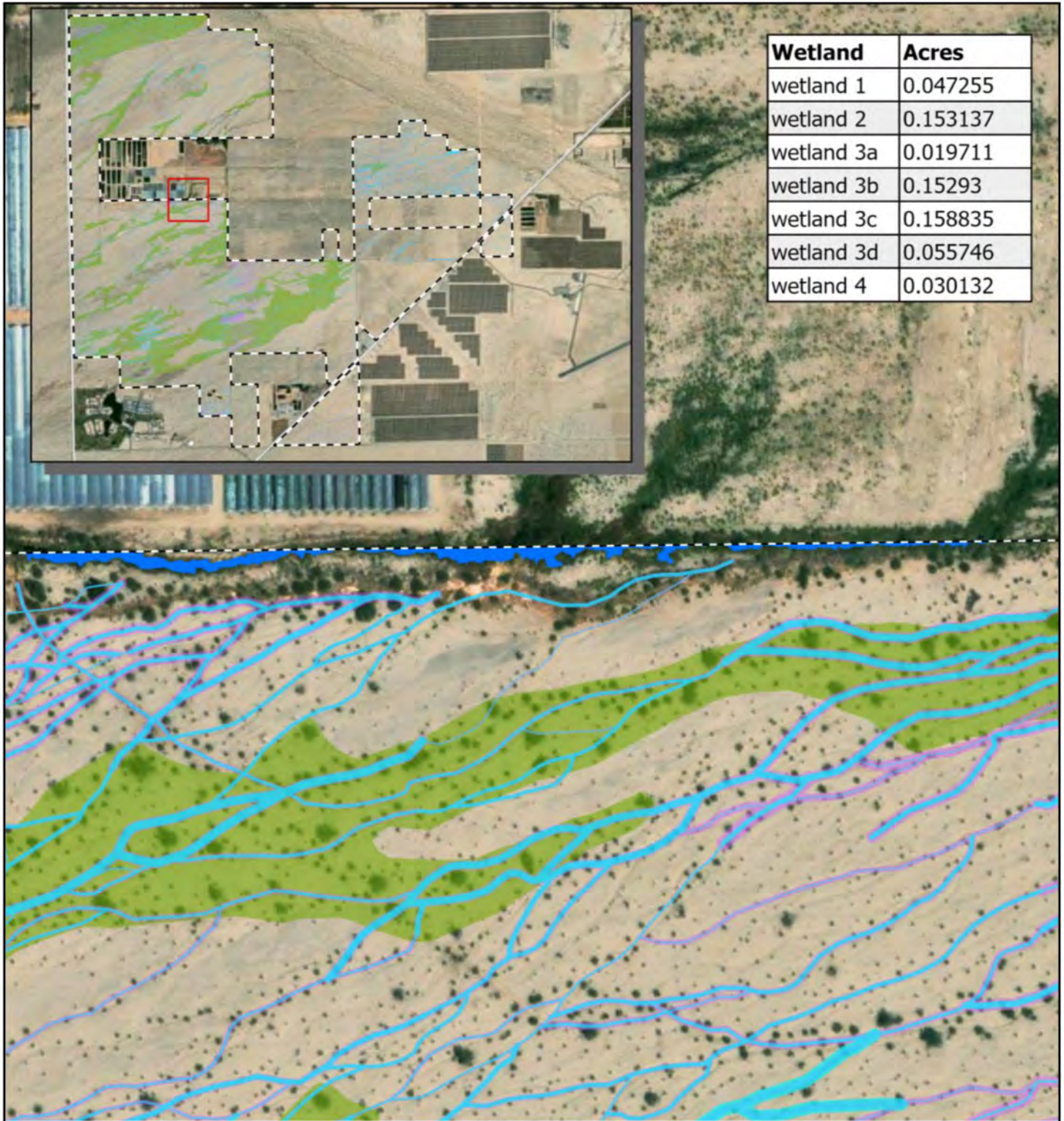
Source: Ironwood, 2023b.



**Figure 3.5-3b**

**Jurisdictional Wetlands and Waters**

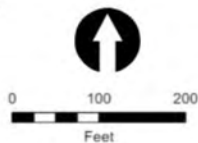




Wetland	Acres
wetland 1	0.047255
wetland 2	0.153137
wetland 3a	0.019711
wetland 3b	0.15293
wetland 3c	0.158835
wetland 3d	0.055746
wetland 4	0.030132

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

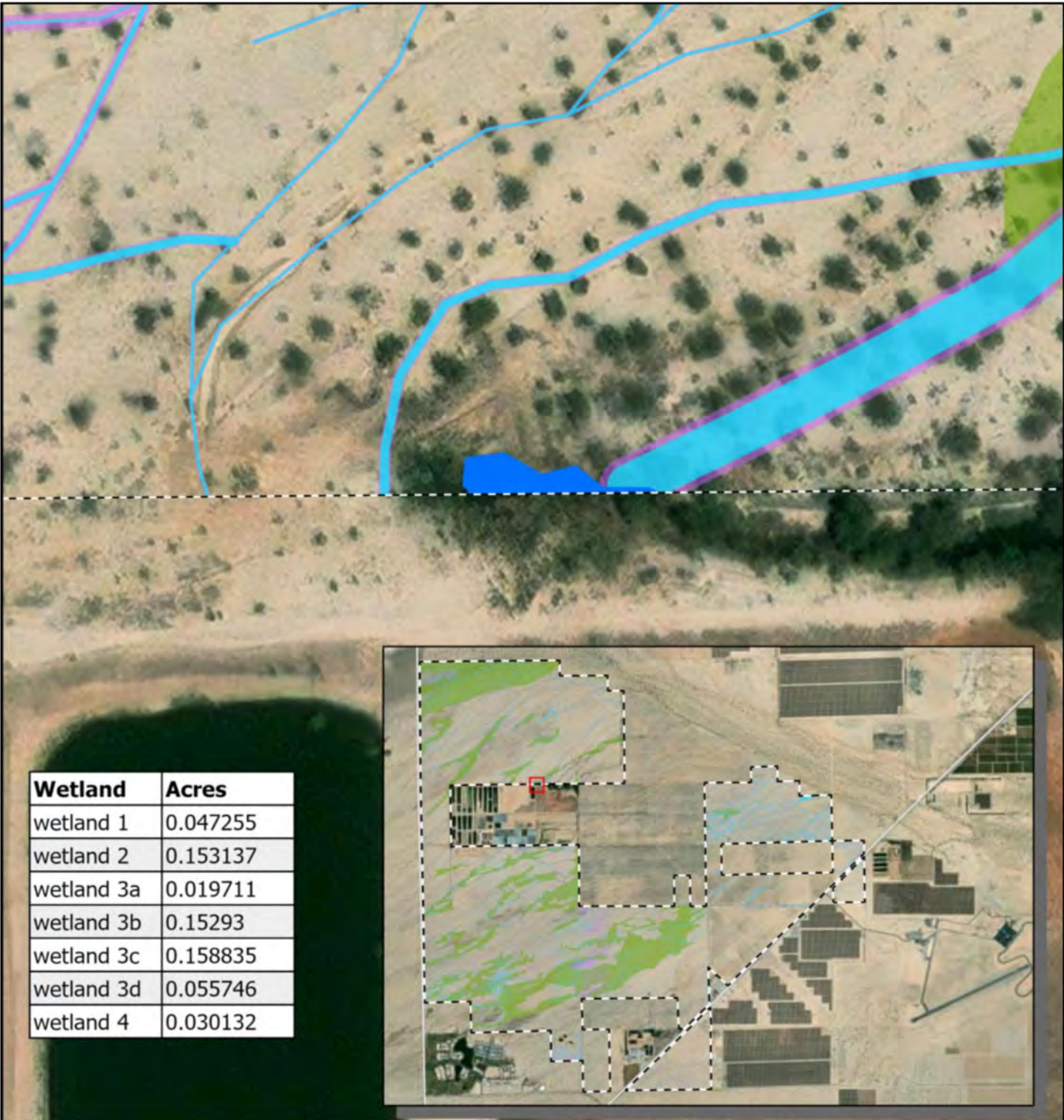
Source: Ironwood, 2021



**Figure 3.5-3c**

**Jurisdictional Wetlands and Waters**





[---] Easley Boundary

— Roads

Blue Wetlands

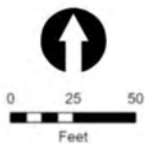
Cyan Drainage Polygons - OHWM

Purple Drainage Polygons - Bank to Bank

Light Green Invasive Tamarisk/Riparian Vegetation

Dark Green Dry Desert Wash Woodland

Source: Ironwood, 2023b.



**Figure 3.5-3d**

**Jurisdictional Wetlands and Waters**





--- Easley Boundary

— Roads

Blue Wetlands

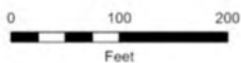
Cyan Drainage Polygons - OHWM

Purple Drainage Polygons - Bank to Bank

Green Invasive Tamarisk/Riparian Vegetation

Light Green Dry Desert Wash Woodland

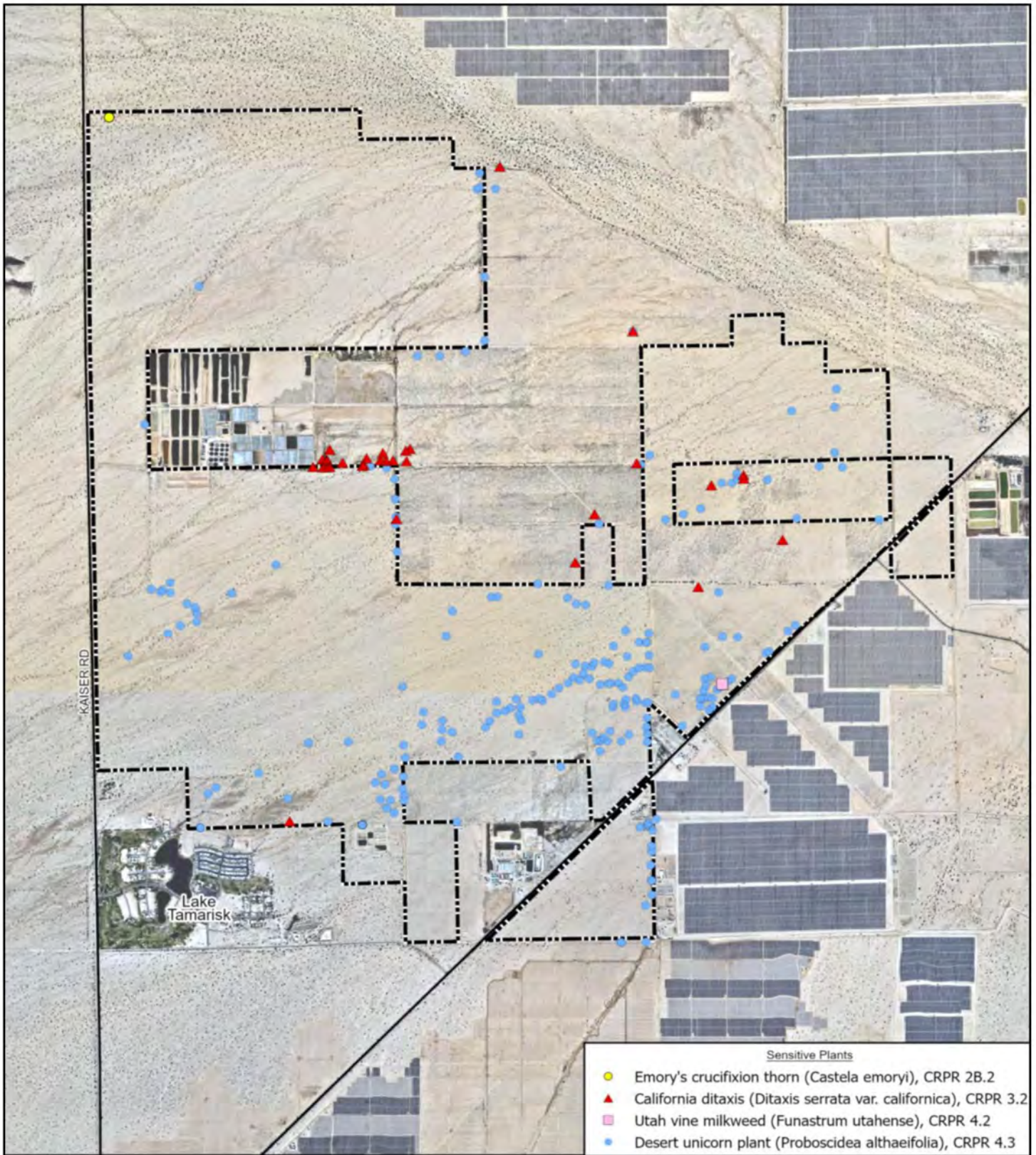
Source: Ironwood, 2023b.




**Figure 3.5-3e**

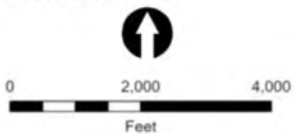
**Jurisdictional Wetlands and Waters**





 Easley Renewable Energy  
 Project Boundary

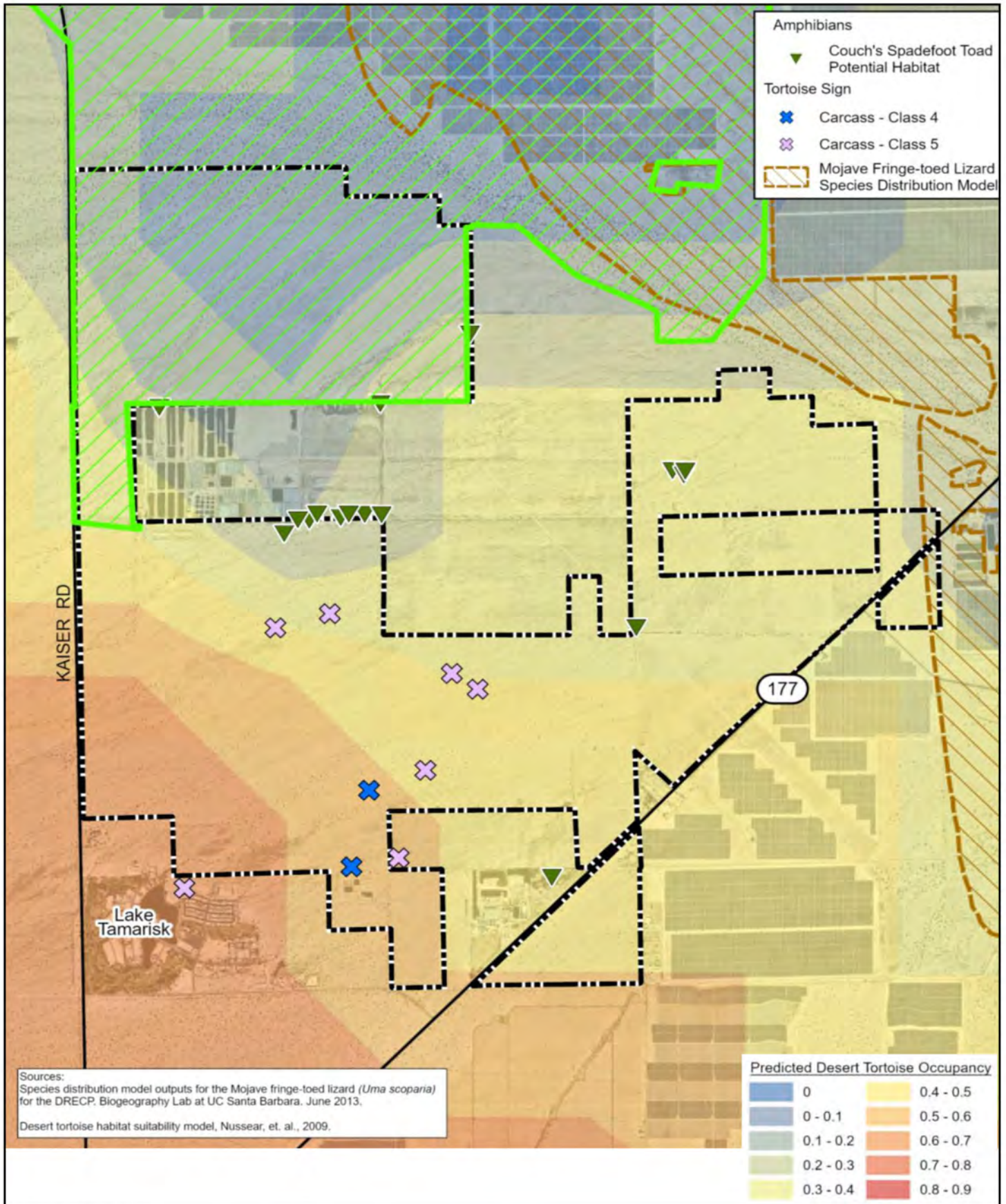
Source: Ironwood, 2023a.



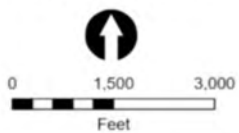
**Figure 3.5-4**

**Special-status Plants**





Source: Ironwood, 2023a.

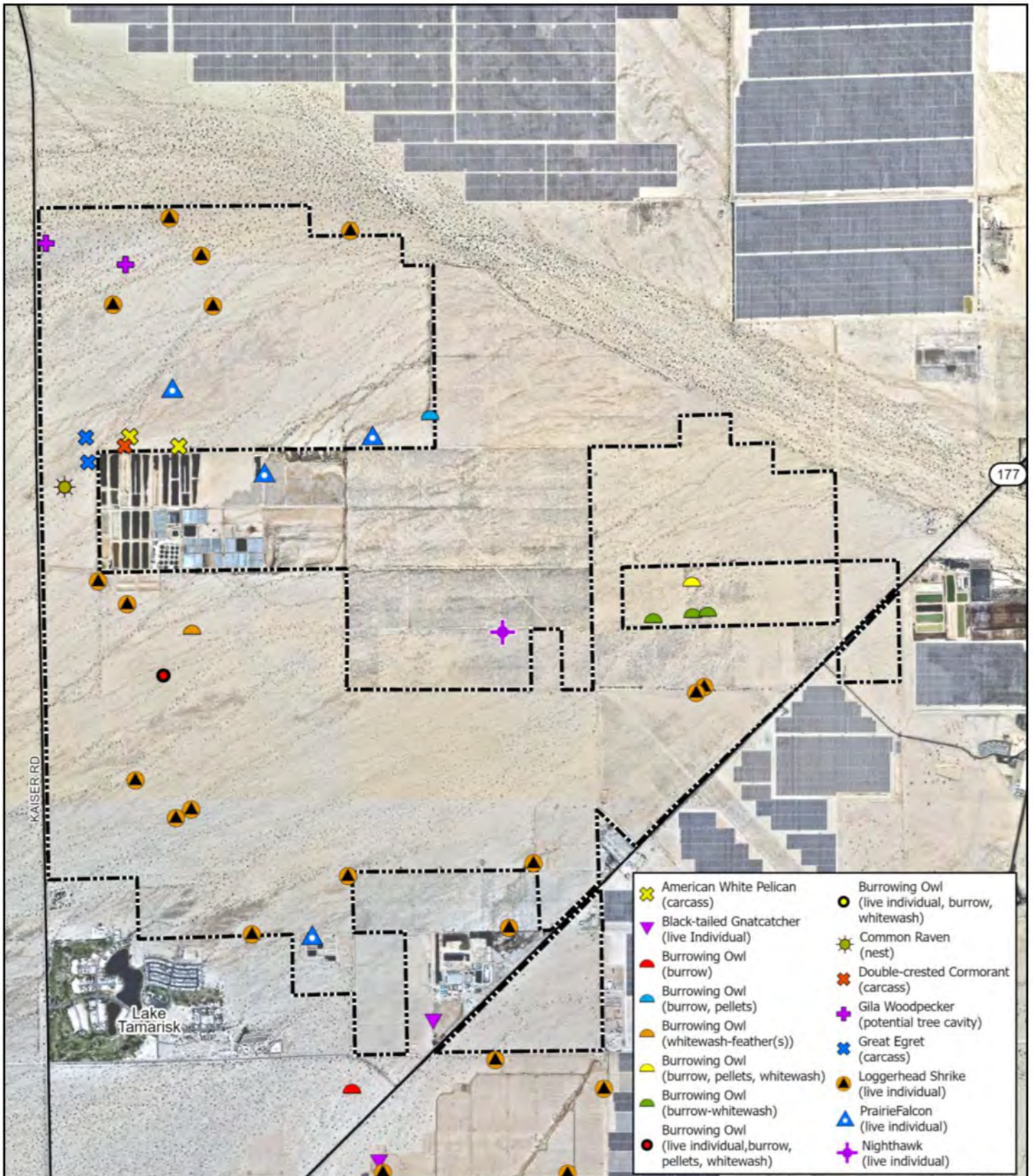


- ⬡ Easley Renewable Energy Project Boundary
- ⬡ Pinto Wash Linkage

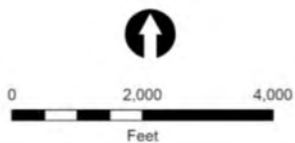
**Figure 3.5-5**

**Special-status Amphibians and Reptiles**



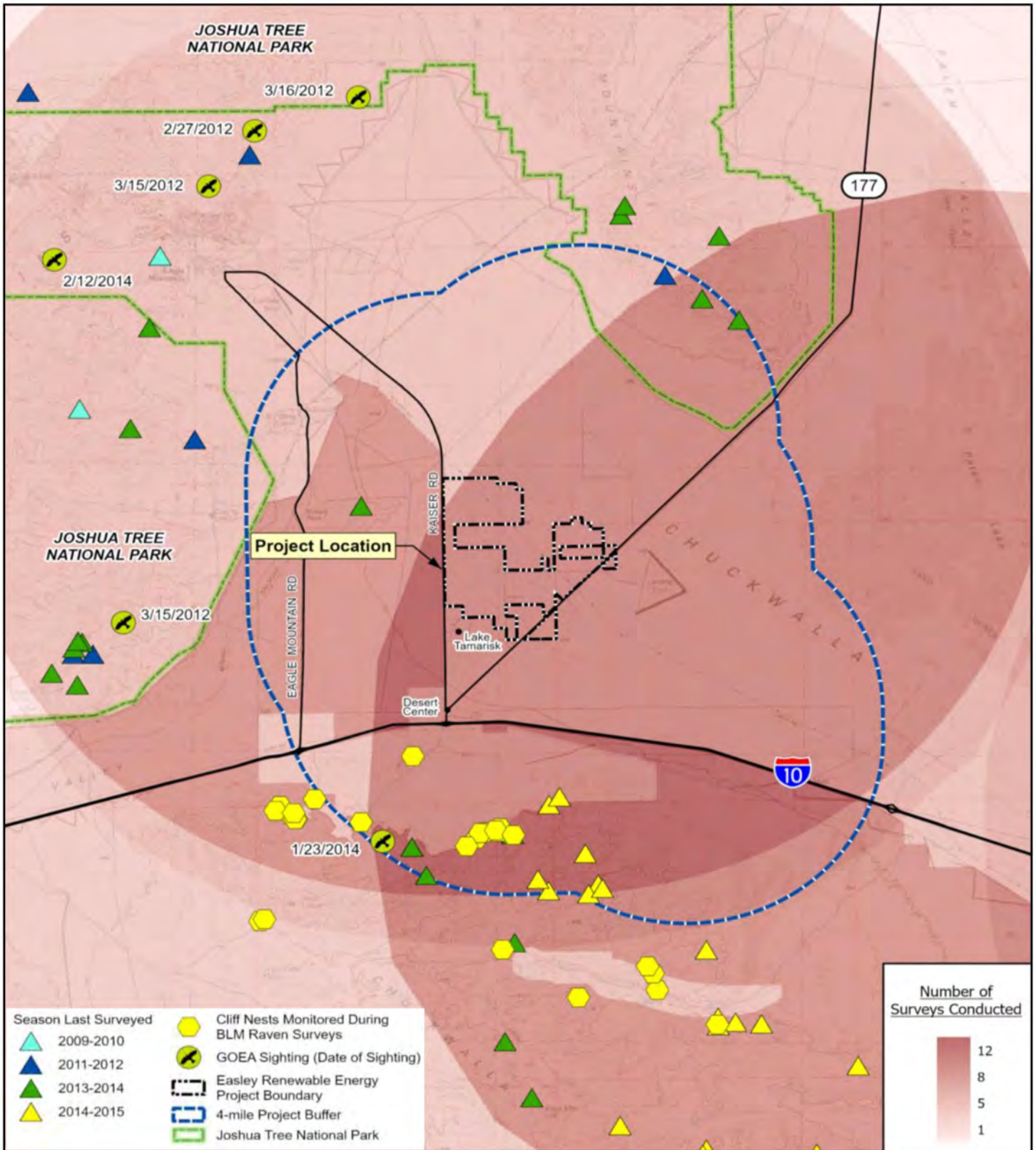


Source: Ironwood, 2023a.



**Figure 3.5-6**  
**Special-status Birds**





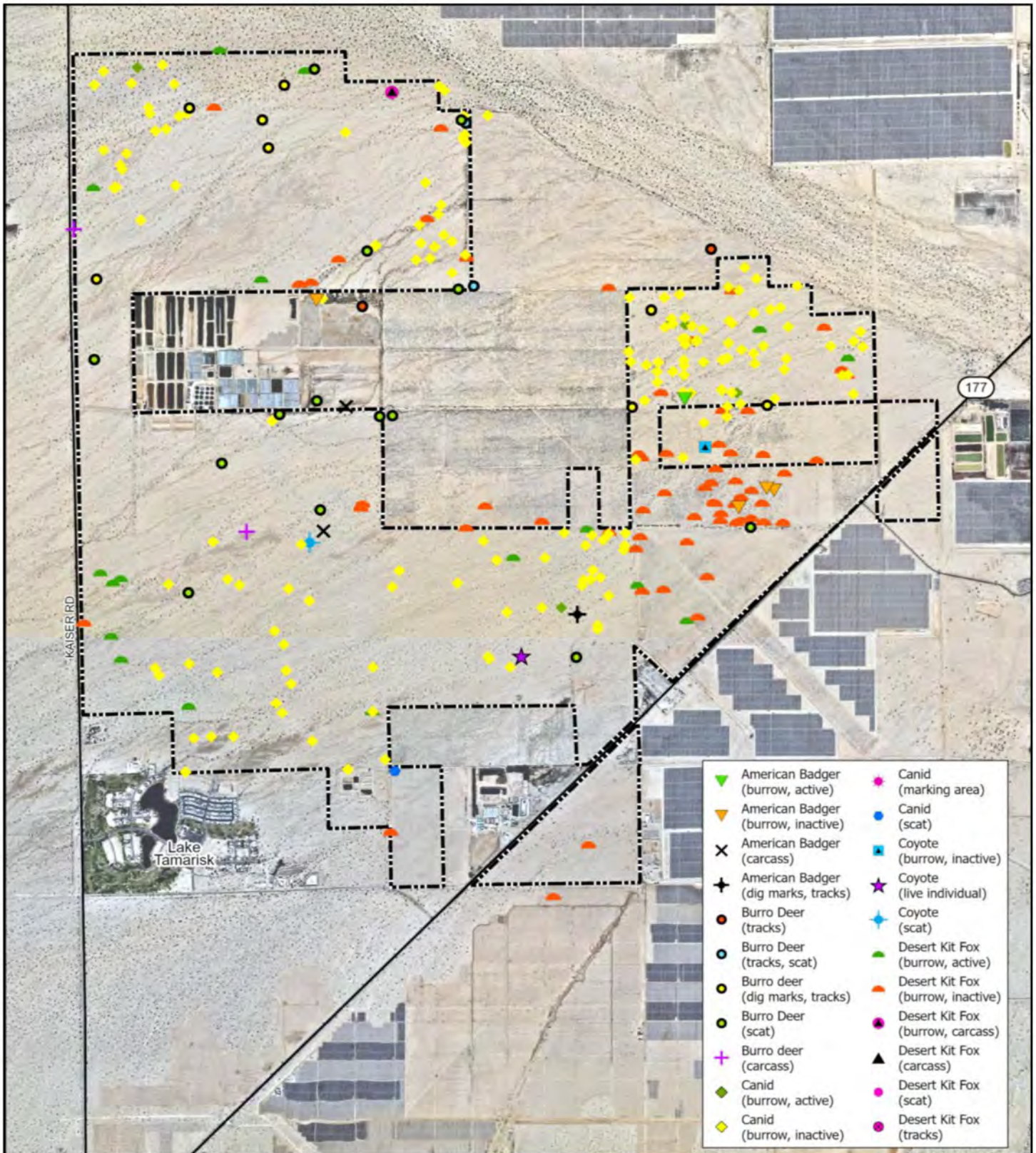
Source: Ironwood, 2023a.




**Figure 3.5-7**

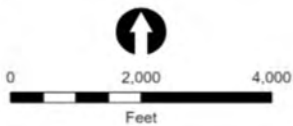
**Special-status Birds, Golden Eagle**





 Easley Renewable Energy Project Boundary

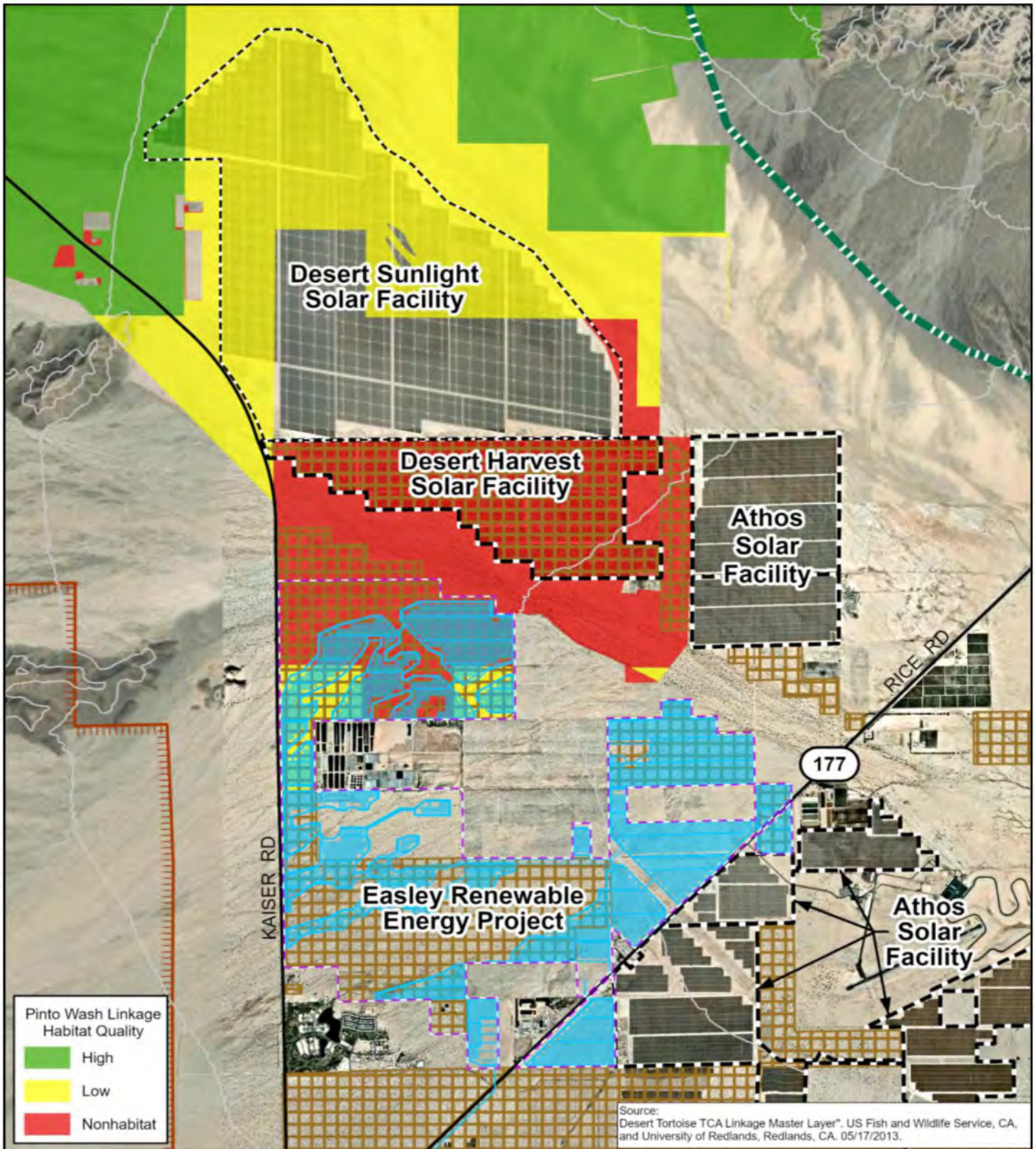
Source: Ironwood, 2023a.



**Figure 3.5-8**

**Special-status Mammals**





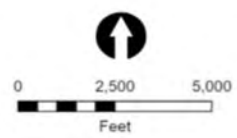
Pinto Wash Linkage  
Habitat Quality

- High
- Low
- Nonhabitat

Source:  
Desert Tortoise TCA Linkage Master Layer\*. US Fish and Wildlife Service, CA,  
and University of Redlands, Redlands, CA. 05/17/2013.

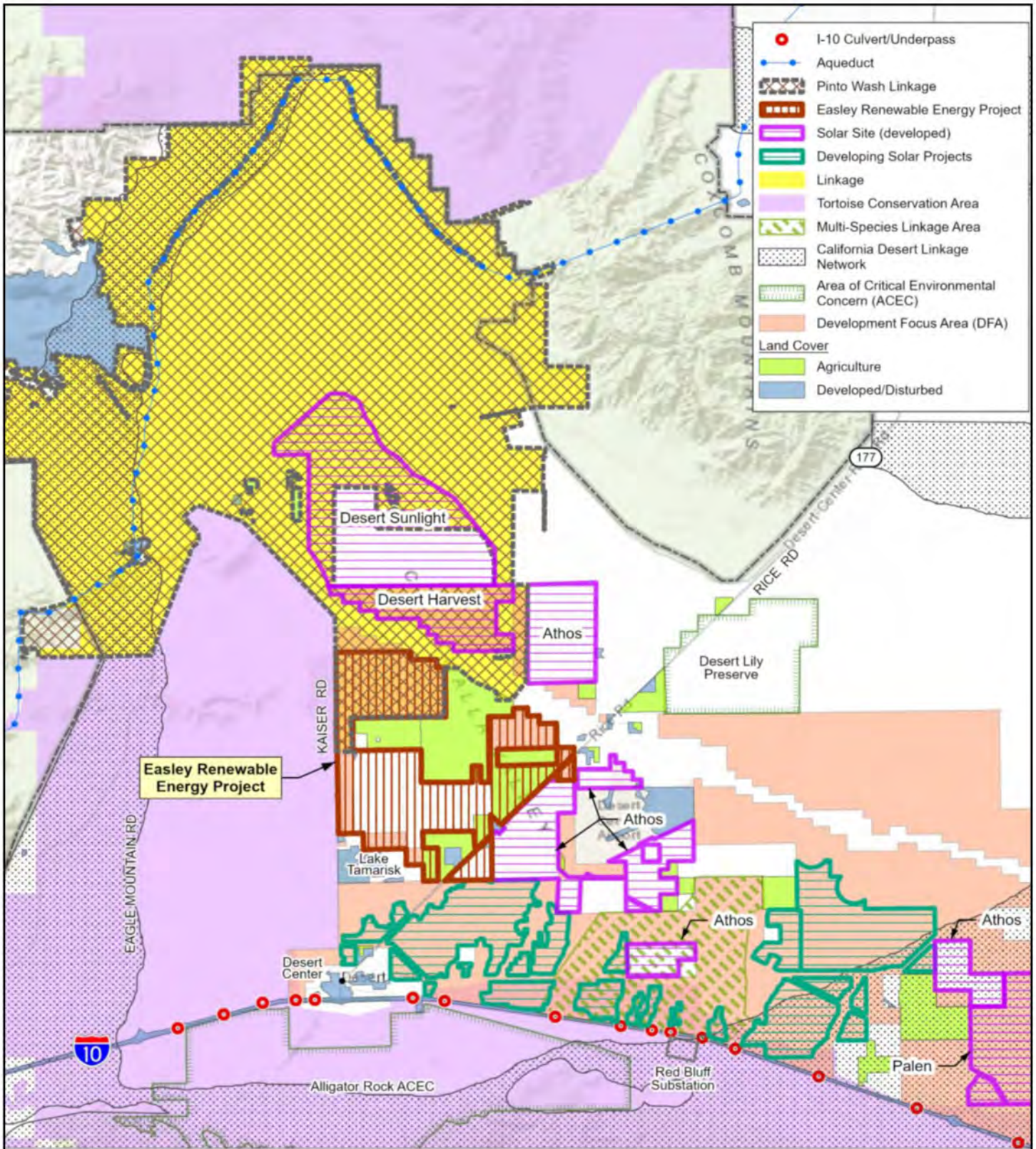
- Topographic Elevation Contour  
(200-ft interval)
- Easley Renewable  
Energy Project
- Existing Solar Facility  
Boundary
- Desert Tortoise Critical  
Habitat Boundary
- Development Focus Area (DFA)
- Joshua Tree  
National Park
- Proposed Impact Areas

Source: Ironwood, 2023a.



**Figure 3.5-9**  
**Impacts to**  
**Pinto Wash Linkage**





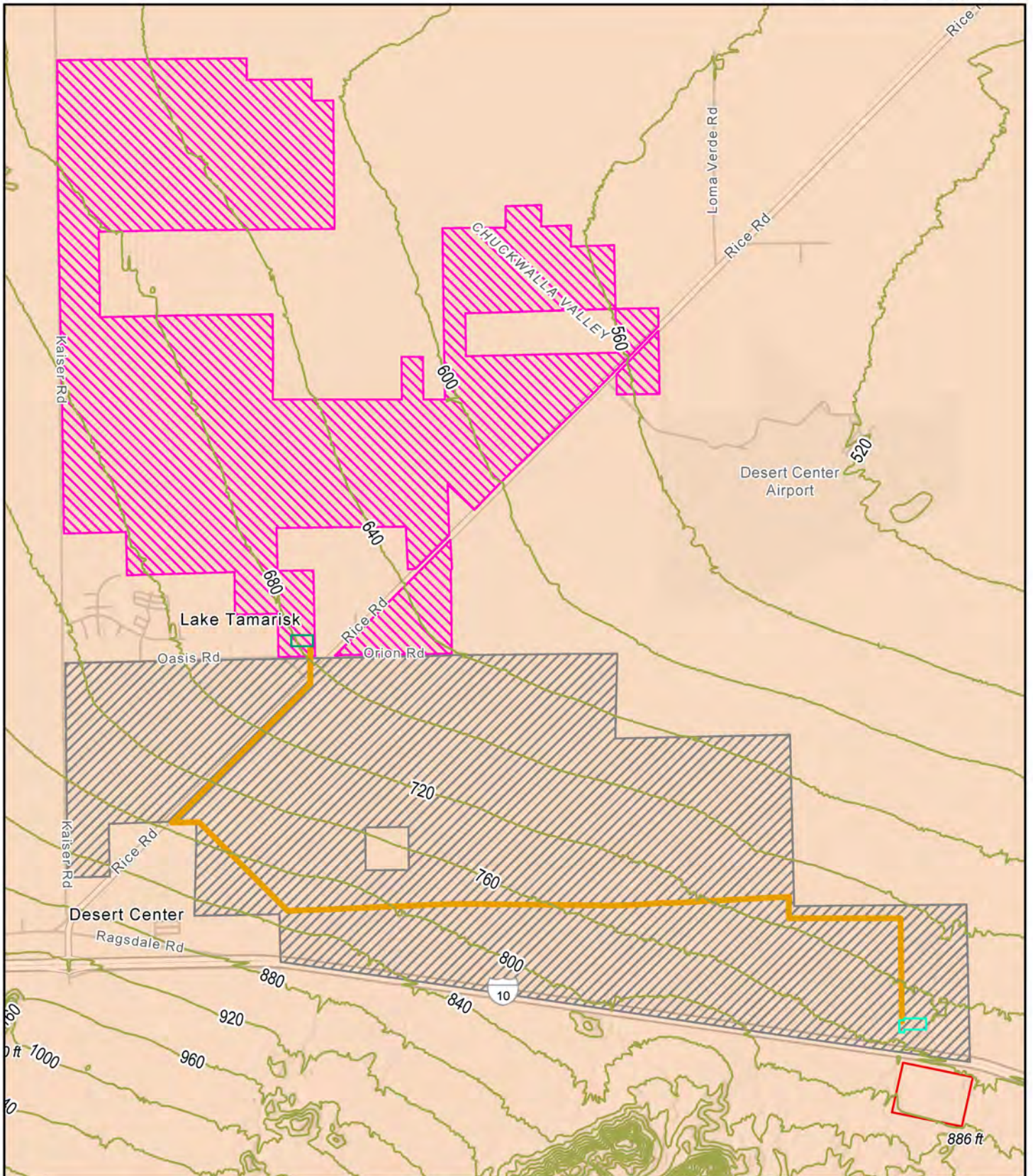
Source: Ironwood, 2023a.











Figure 3.5-10

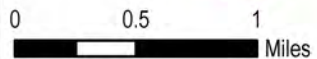
Wildlife Connectivity





-  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

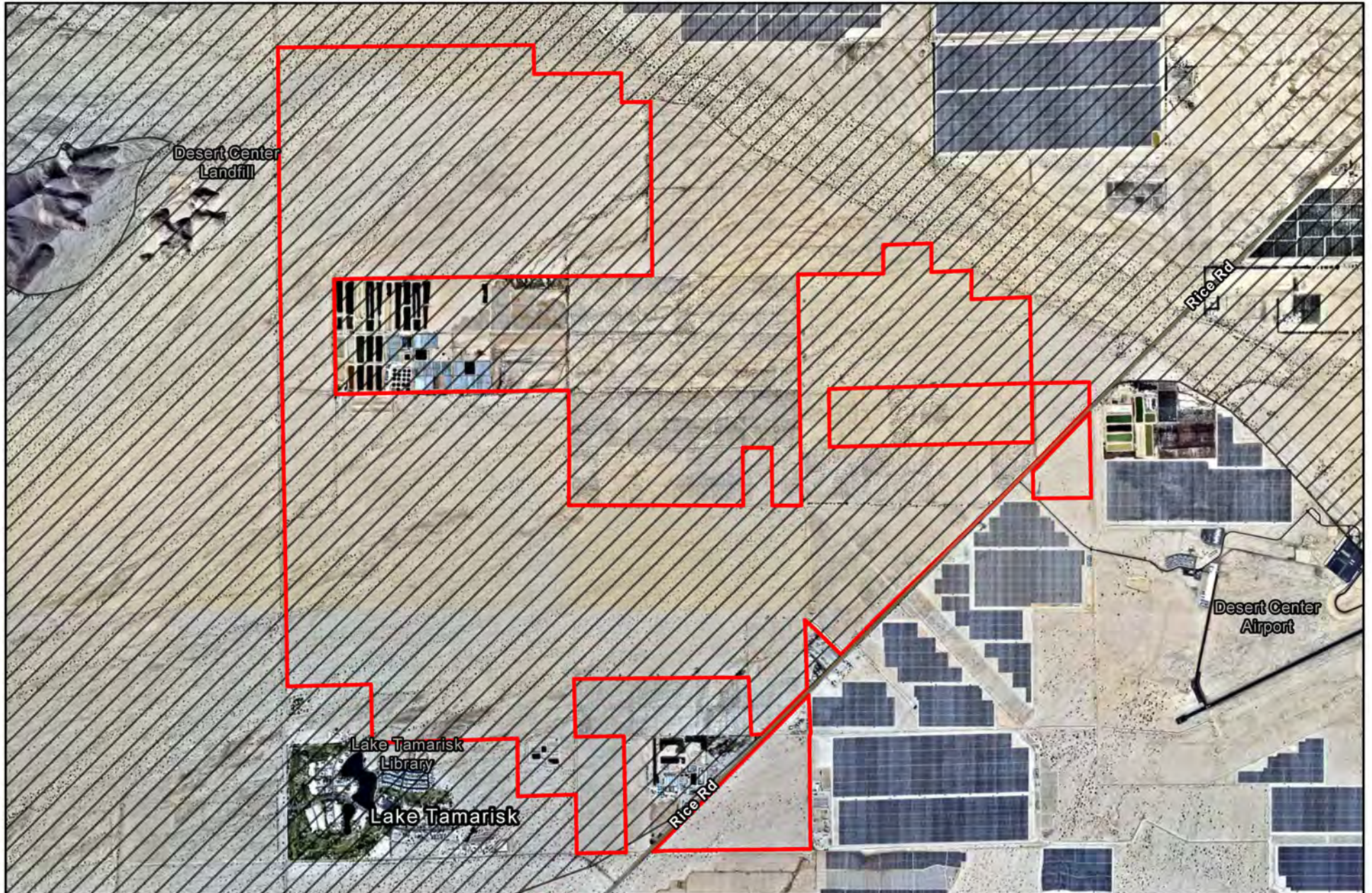


**Figure 3.11-1**

**Topography**

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





0 2,000 4,000  
Feet



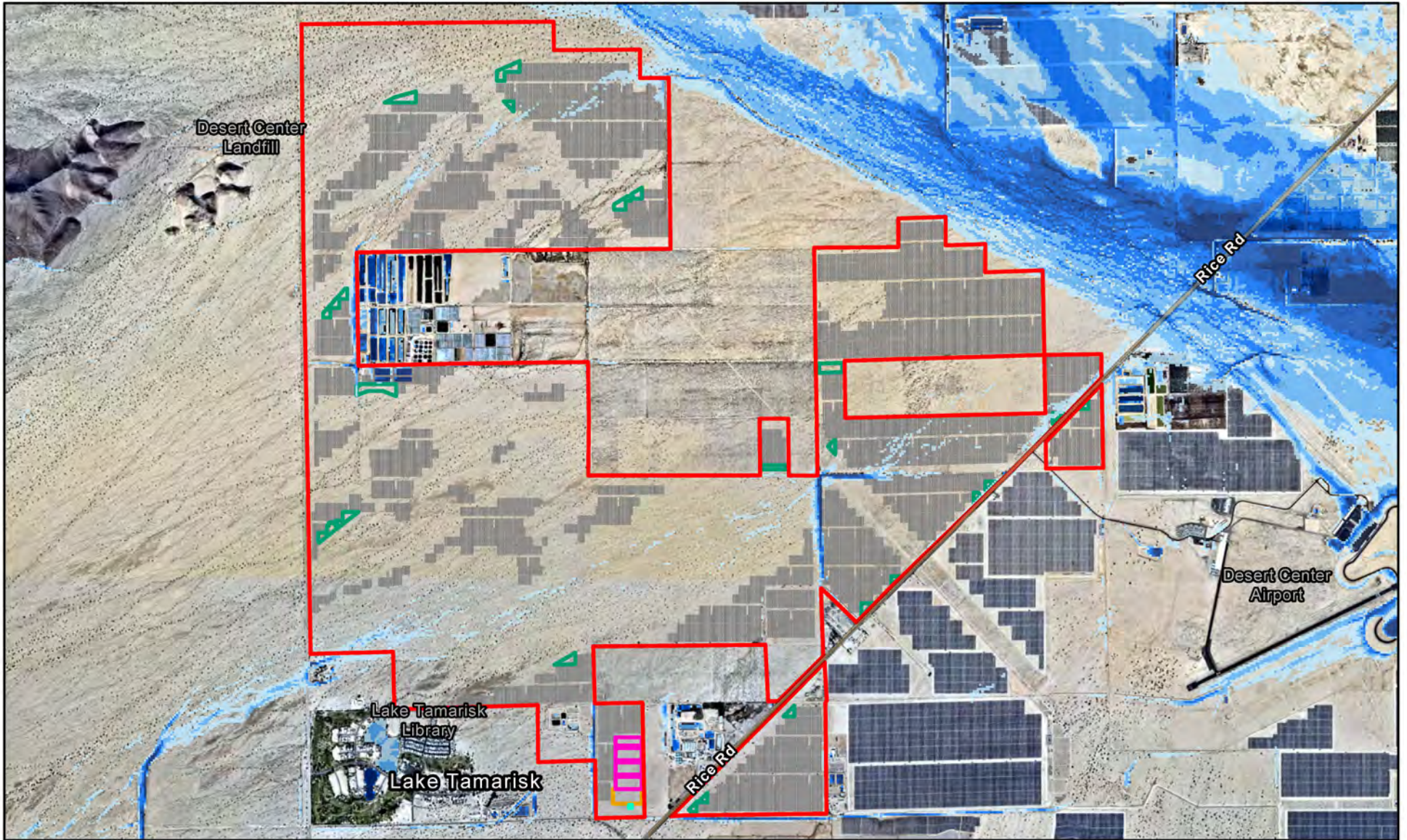
 Easley Project Boundary  
 DWR Awareness Zone

Figure 3.11-2

DWR Flood Awareness

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





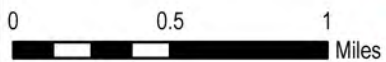
- Easley Project Boundary
- Proposed Solar Panel Array
- Proposed Substation
- Proposed BESS
- Proposed Laydown Yard
- Proposed Operations and Maintenance Facility

100-year Flow Depths Greater Than 1 Foot (ft)

	1.00 - 1.50		2.51 - 3.00
	1.51 - 2.00		3.01 - 16.00
	2.01 - 2.50		

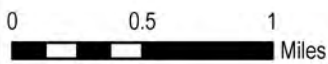
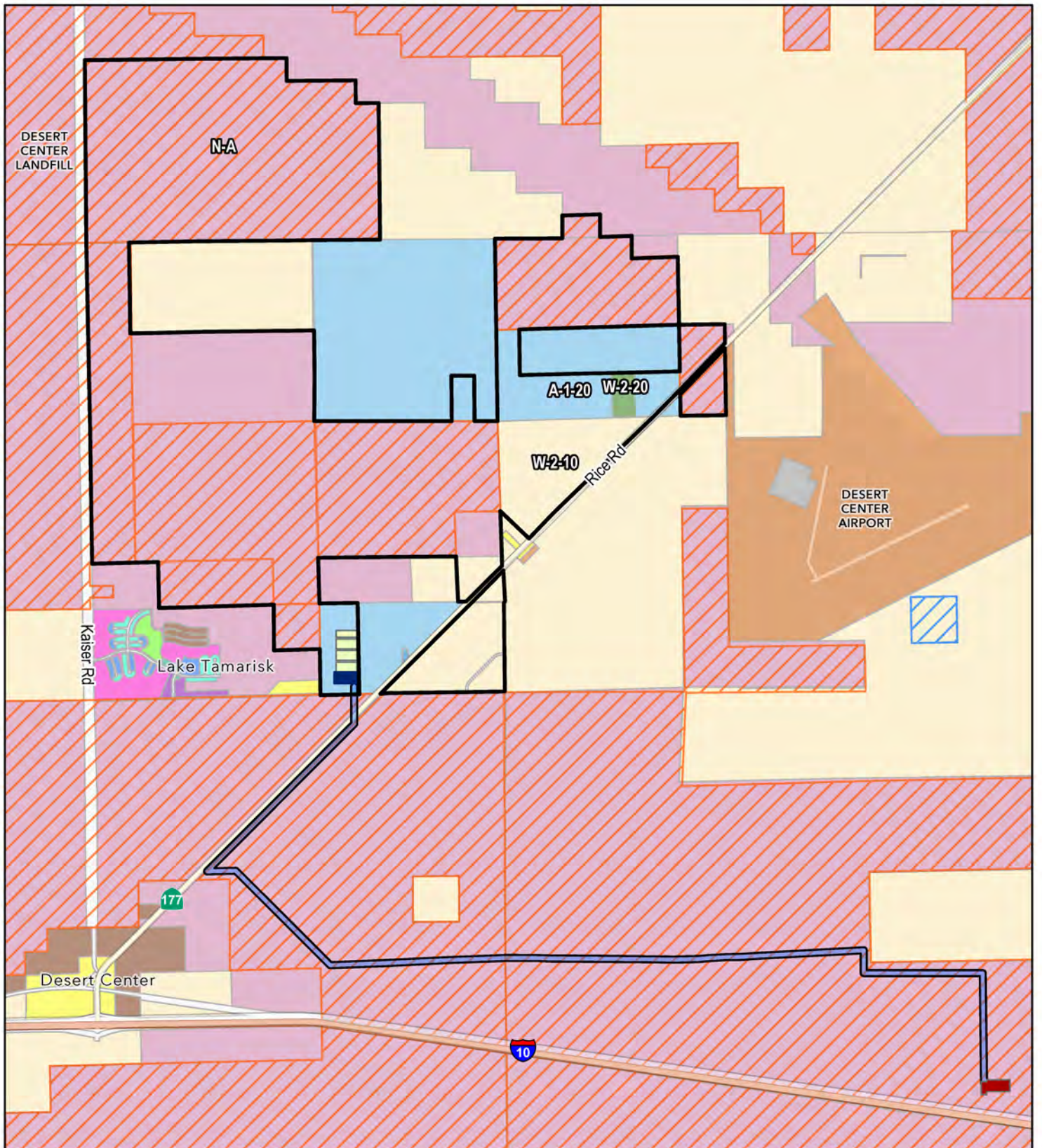
Figure 3.11-3

100-Year Max Flow Depth



Sources: Esri, 2023; Intersect Power, 2023.





- |                                  |         |          |
|----------------------------------|---------|----------|
| Easley Project Boundary          | A-1-20  | R-1-20   |
| Easley Proposed Gen-tie Corridor | C-1/C-P | R-2-5000 |
| Easley Proposed Substation       | C-P-S   | R-3      |
| Easley Proposed BESS             | C-R     | W-2      |
| Oberon Substation                | M-H     | W-2-10   |
| <b>Land Ownership</b>            | N-A     | W-2-20   |
| Bureau of Land Management        | R-1     | W-2-M-1  |
| State of California              | R-1-10  |          |

**Figure 3.12-1**  
**County Zoning on Project Lands**

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



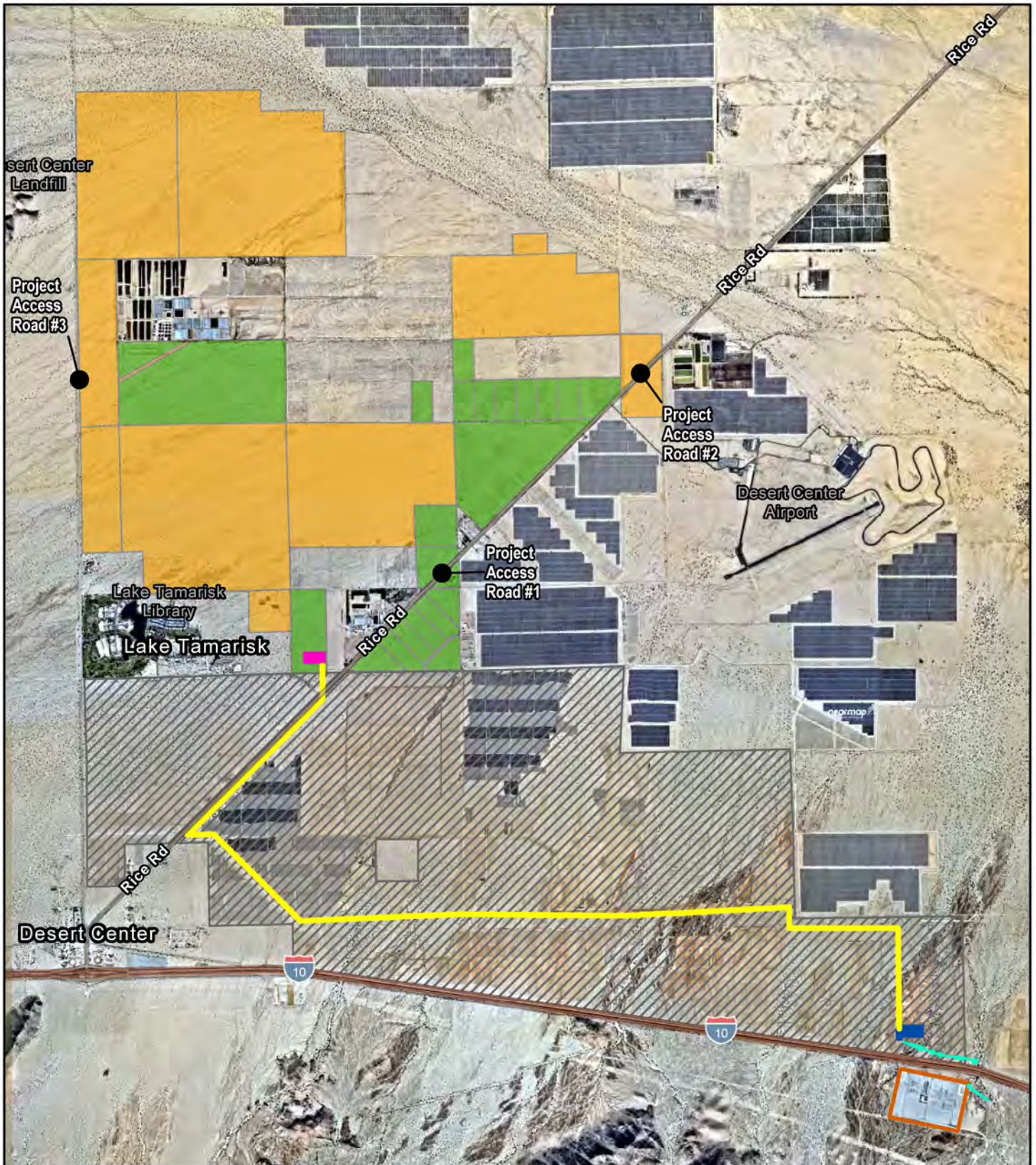


Figure 3.18-1

**Easley Project Access**

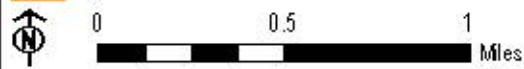
- Easley Project on Private Land
- Easley Project on Public Land
- Easley Proposed 500 kV Gen-tie Line (BLM-Administered Land)
- Oberon 500 kV Gen-tie Line (BLM-Administered Land)
- Red Bluff Substation
- Oberon Renewable Energy Project (BLM-Administered Land)
- Easley Proposed Substation
- Oberon Substation

Sources: BLM, 2022; Esri, 2023; Intersect Power, 2023; NearMap, 2023.





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



**Figure 4-1A**

**Easley Renewable Energy Project  
Proposed Temporary  
Construction Access**

Sources: Esri, 2024; Intersect Power, 2024.



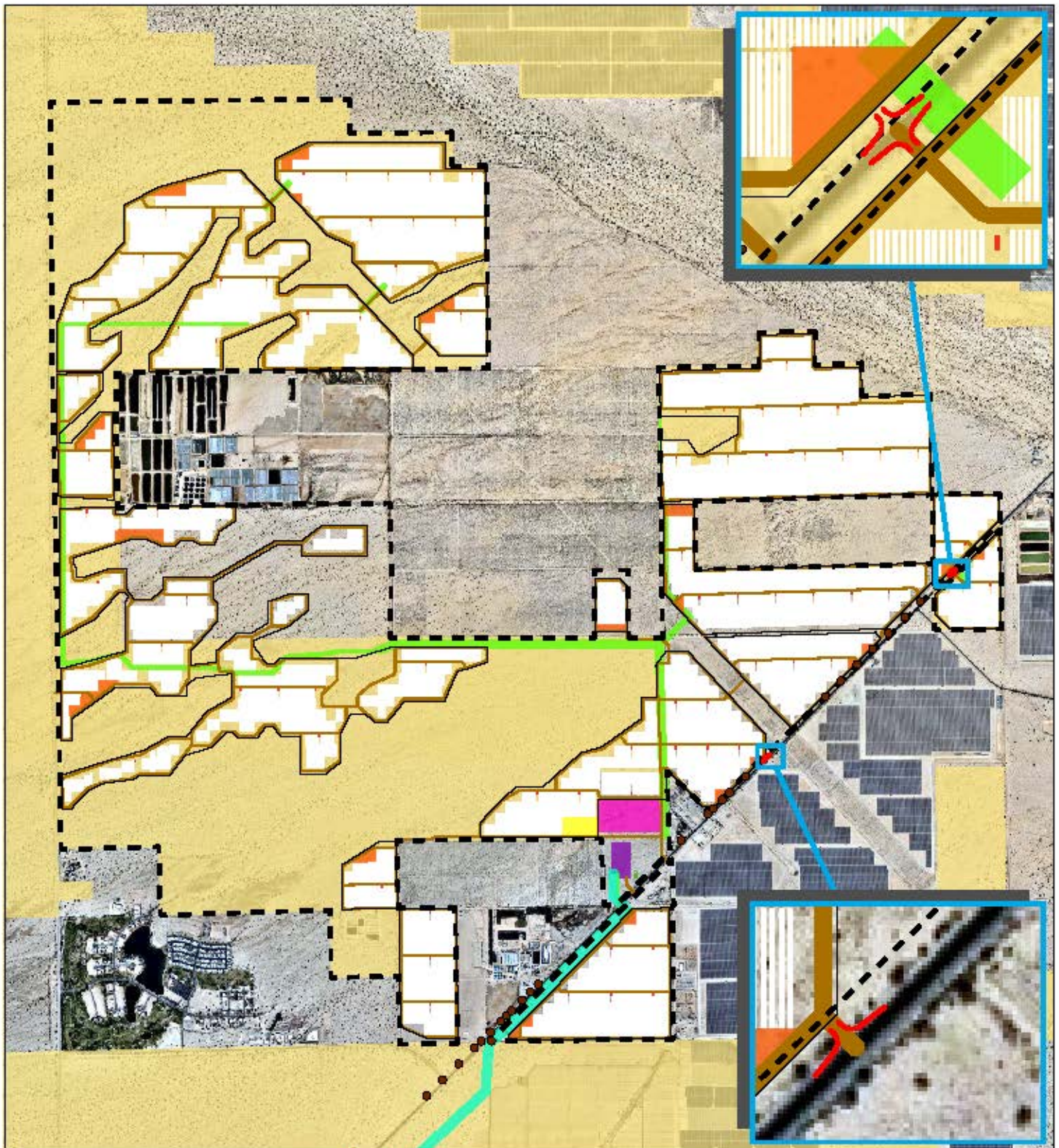
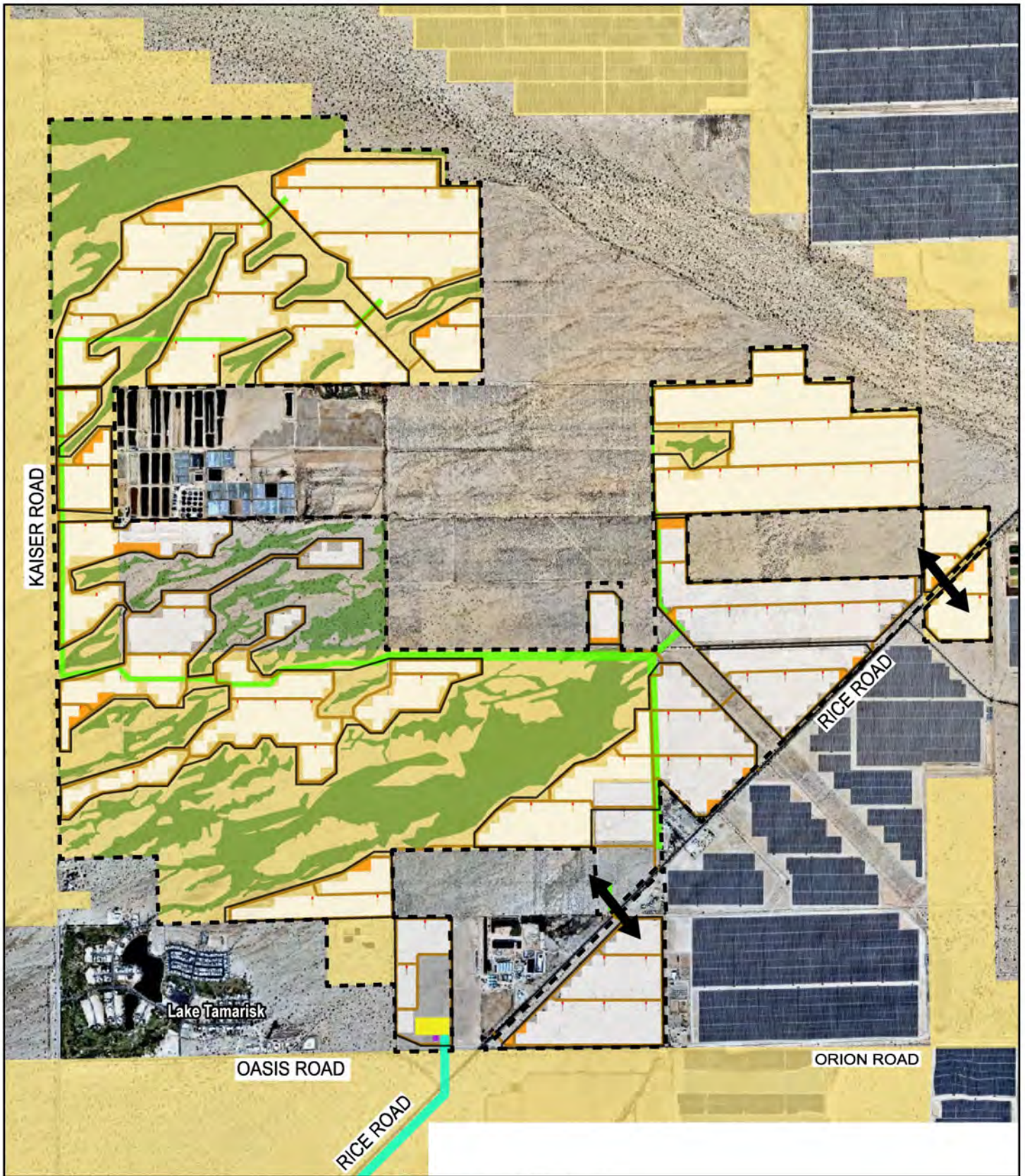


Figure 4-1B

**Easley Renewable Energy Project  
Lake Tamarisk Alternative  
Temporary Construction Access**

Sources: Esri, 2024; Intersect Power, 2024.





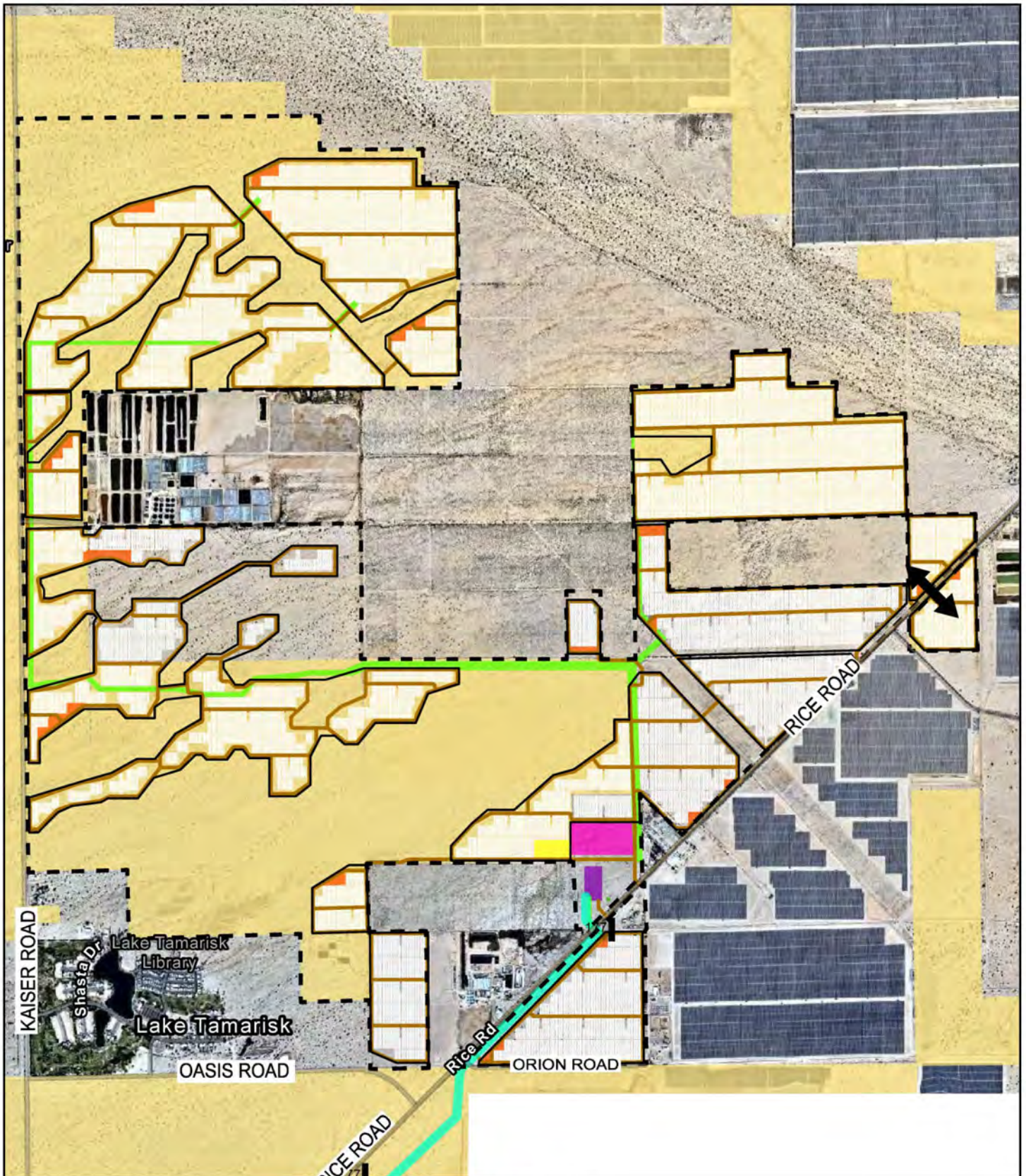
Source: DEA Inc., 2023.

### Proposed Project

- |   |   |
|---|---|
| <p><b>N</b></p> <p>NOT TO SCALE</p> <ul style="list-style-type: none"> <li> Easley Renewable Energy Project Boundary</li> <li> Fence</li> <li> Gen-tie Corridor</li> <li> Access Roads</li> <li> O &amp; M Facility</li> <li> Laydown Yard</li> </ul> | <ul style="list-style-type: none"> <li> Power Conversion Station (inverter)</li> <li> Collection Corridor</li> <li> Solar Panel Array</li> <li> Substation</li> <li> Desert Dry Wash Woodland</li> <li> Bureau of Land Management</li> </ul> <p> UNDERGROUND/OVERHEAD UTILITY CROSSINGS</p> |
|---|---|

**Figure 4-2A**  
**Proposed Project**  
**Medium Voltage Line Crossing**





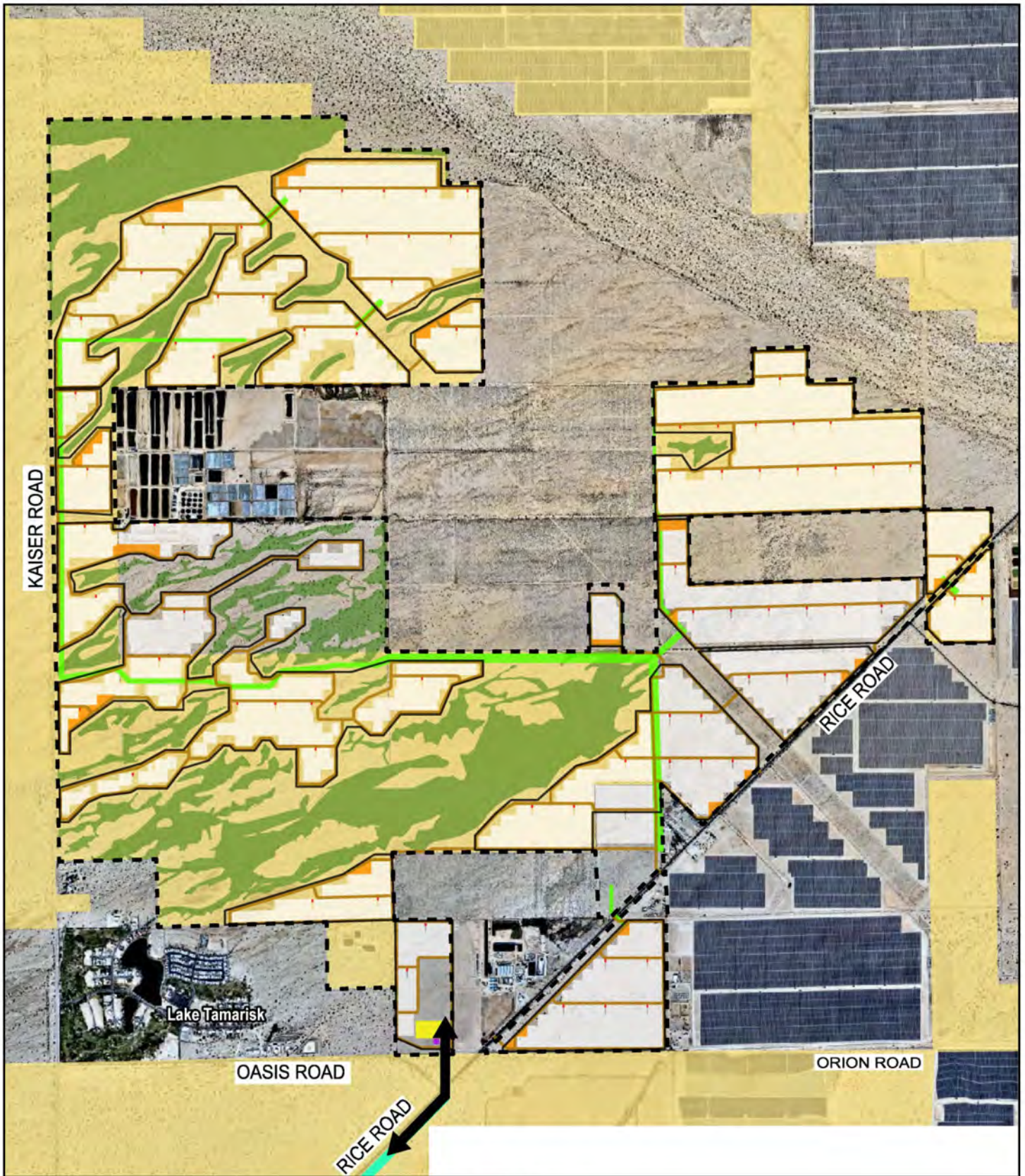
Source: DEA Inc., 2023.

### Alternative 2, Lake Tamarisk

- |  |  |
|--|--|
| <p><b>Z</b></p> <p>↑</p> <p>NOT TO SCALE</p> <p>— Easley Renewable Energy Project Boundary</p> <p>— Fence</p> <p>— Gen-tie Corridor</p> <p>— Access Roads</p> <p>— O &amp; M Facility</p> <p>— Laydown Yard</p> <p>— Power Conversion Station (inverter)</p> <p>↔ UNDERGROUND/OVERHEAD UTILITY CROSSINGS</p> | <p>— Collection Corridor</p> <p>— Solar Panel Array</p> <p>— Alternative Substation Option 1</p> <p>— Alternative Substation Option 2</p> <p>— Alternative BESS</p> <p>— Bureau of Land Management</p> |
|--|--|

**Figure 4-2B**  
**Alternative 2**  
**Medium Voltage Line Crossing**





Source: DEA Inc., 2023.

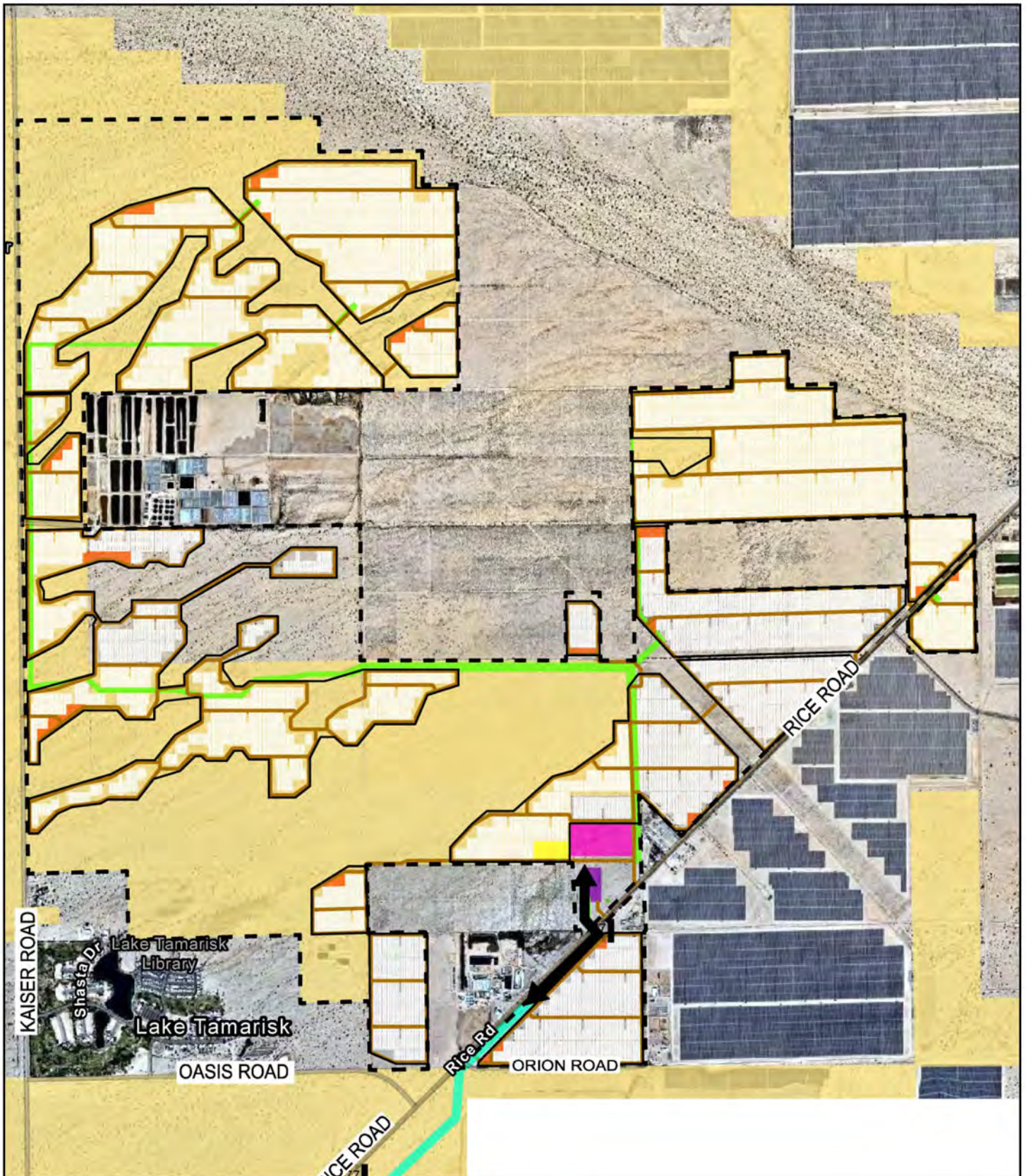
### Proposed Project



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

**Figure 4-3A**  
**Proposed Project**  
**Gen-tie Crossing**





Source: DEA Inc., 2023.

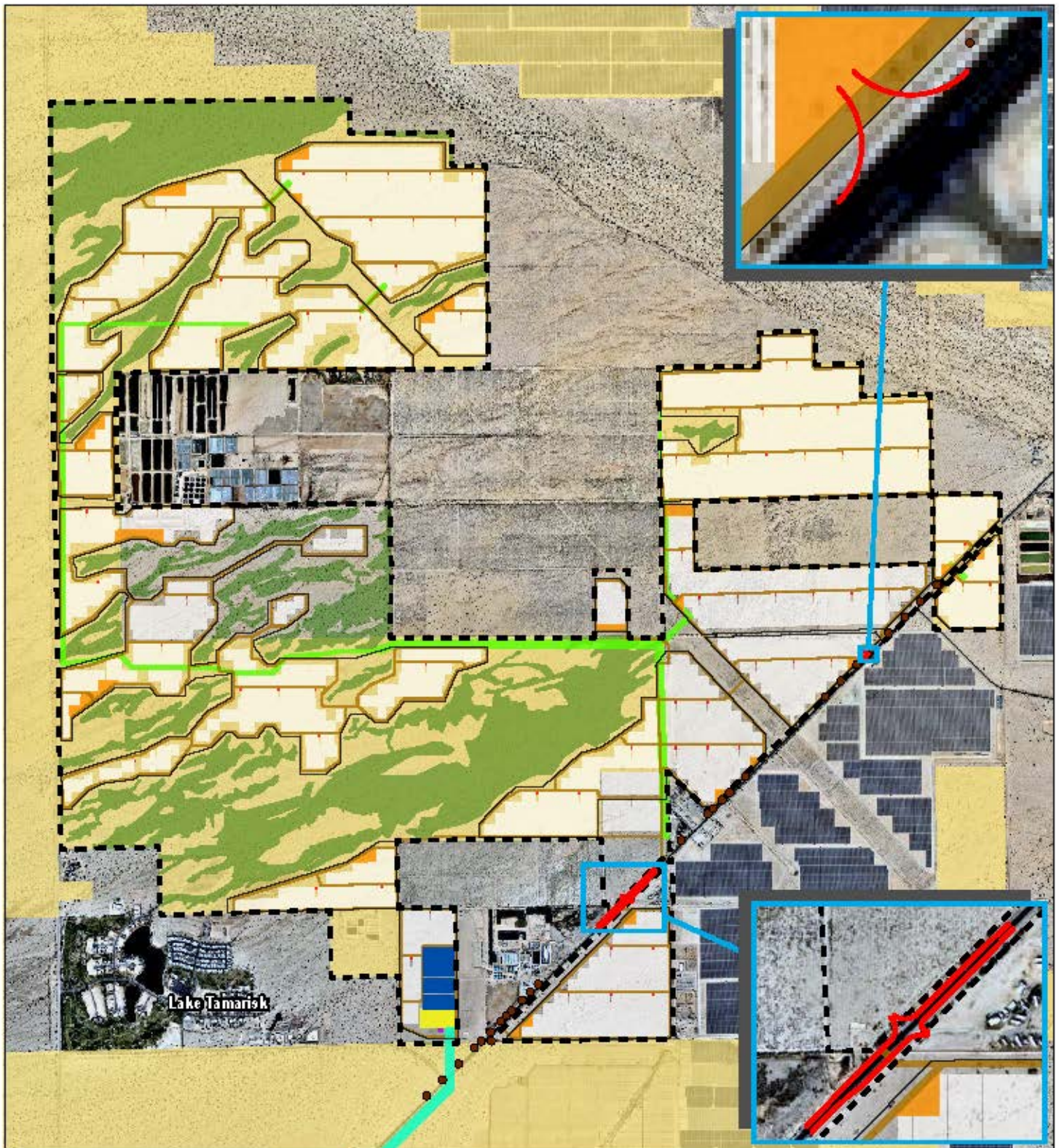
### Alternative 2, Lake Tamarisk



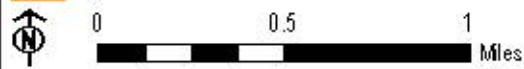
- |  |                                 |
|--|---------------------------------|
| Easley Renewable Energy Project Boundary | Collection Corridor             |
| Fence                                    | Gen-tie Corridor                |
| Gen-tie Corridor                         | Alternative Substation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

**Figure 4-3B**  
**Alternative 2**  
**Gen-tie Crossing**





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



**Figure 4-4A**

**Easley Renewable Energy Project  
Proposed Permanent  
Construction Access**

Sources: Esri, 2024; Intersect Power, 2024.





- |  |                                 |
|--|---------------------------------|
| Temporary Construction Access Driveways  | Laydown Yard                    |
| Existing Power Poles                     | Inverters                       |
| Easley Renewable Energy Project Boundary | Collection Corridor             |
| Fence                                    | Alternative Substation Option 1 |
| Solar Panel Array                        | Alternative Substation Option 2 |
| Gen-tie Corridor                         | Alternative BESS                |
| Access Roads                             | Bureau of Land Management       |
| O & M Facility                           |                                 |

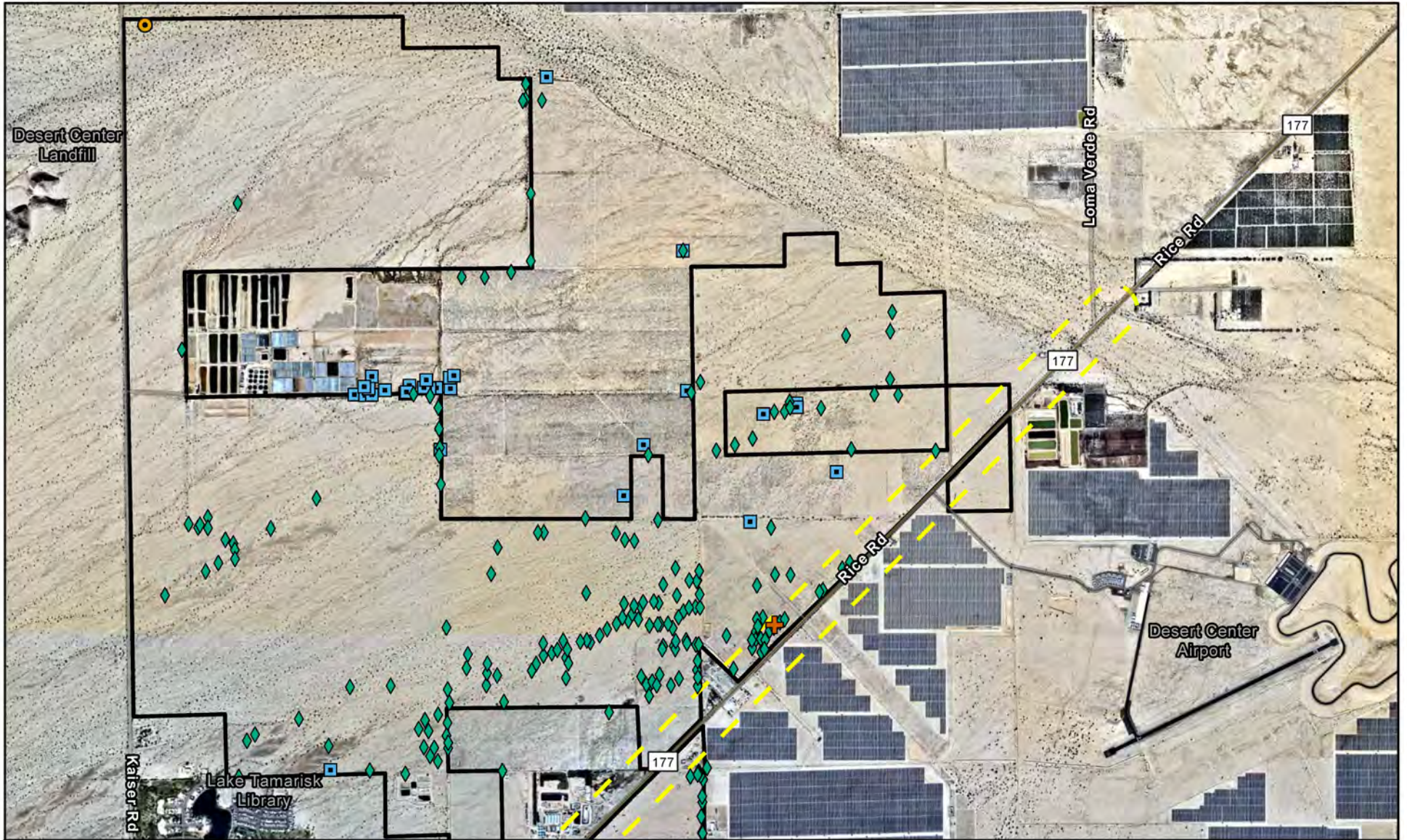


**Figure 4-4B**

**Easley Renewable Energy Project  
Lake Tamarisk Alternative  
Permanent Construction Access**

Sources: Esi, 2024; Intersect Power, 2024.







 Rice Road Potential Permitting Area

 Easley Renewable Energy Project

Special-Status Plants

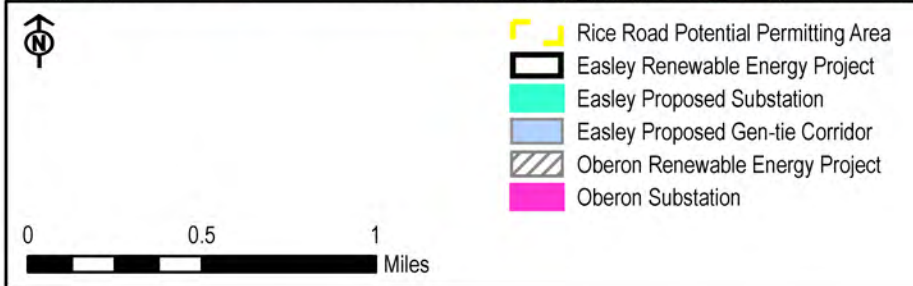
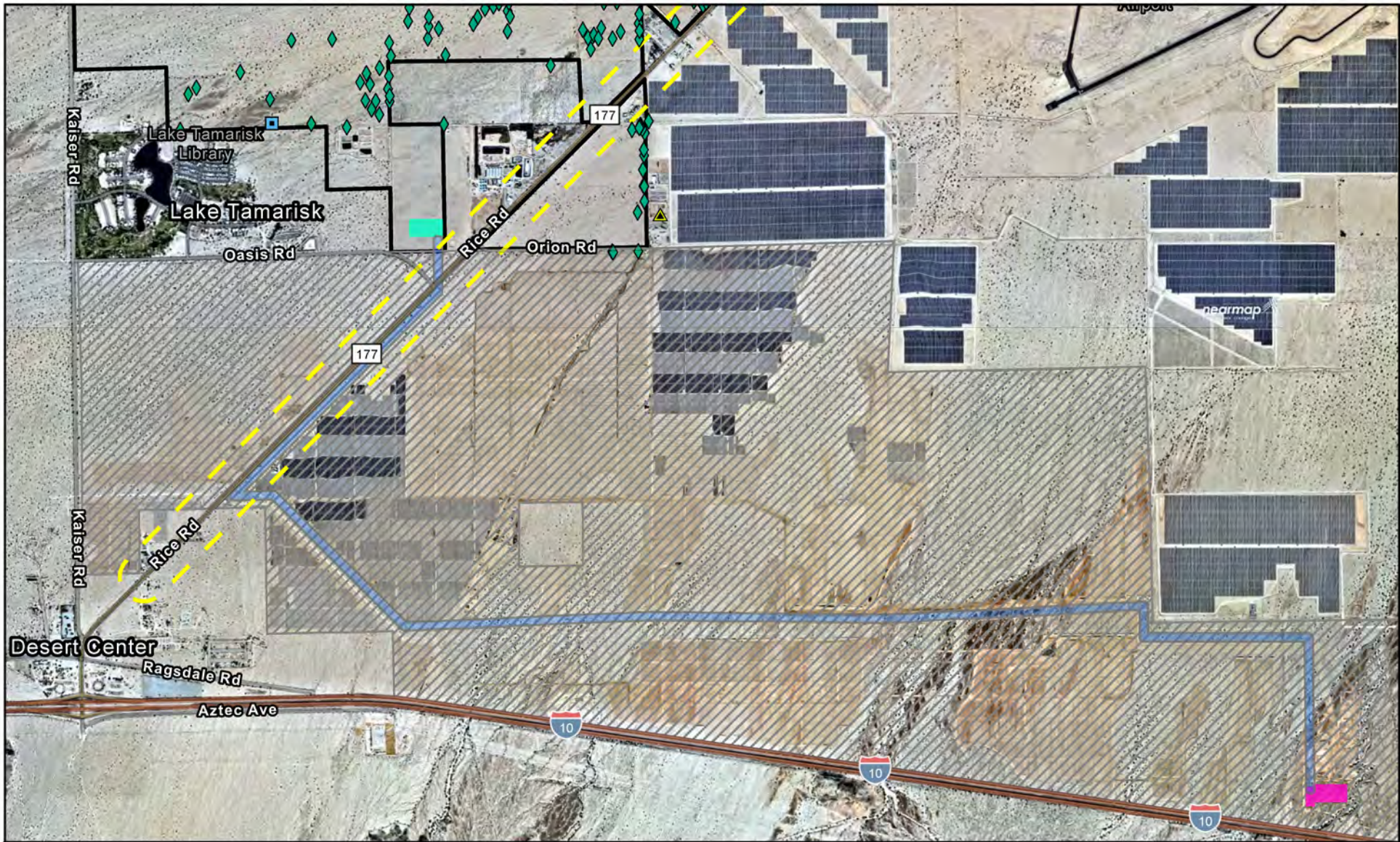
-  *Castela emoryi* (Emory's crucifixion thorn)
-  *Funastrum utahense* (Utah vine milkweed)
-  *Ditaxis serrata* var. *californica* (California ditaxis)
-  *Proboscidea althaeifolia* (Desert unicorn plant)
-  *Tamarix* sp. (Tamarisk)

**Figure 4-5A**

**Special-Status Plants**

0      0.5      1  
 Miles



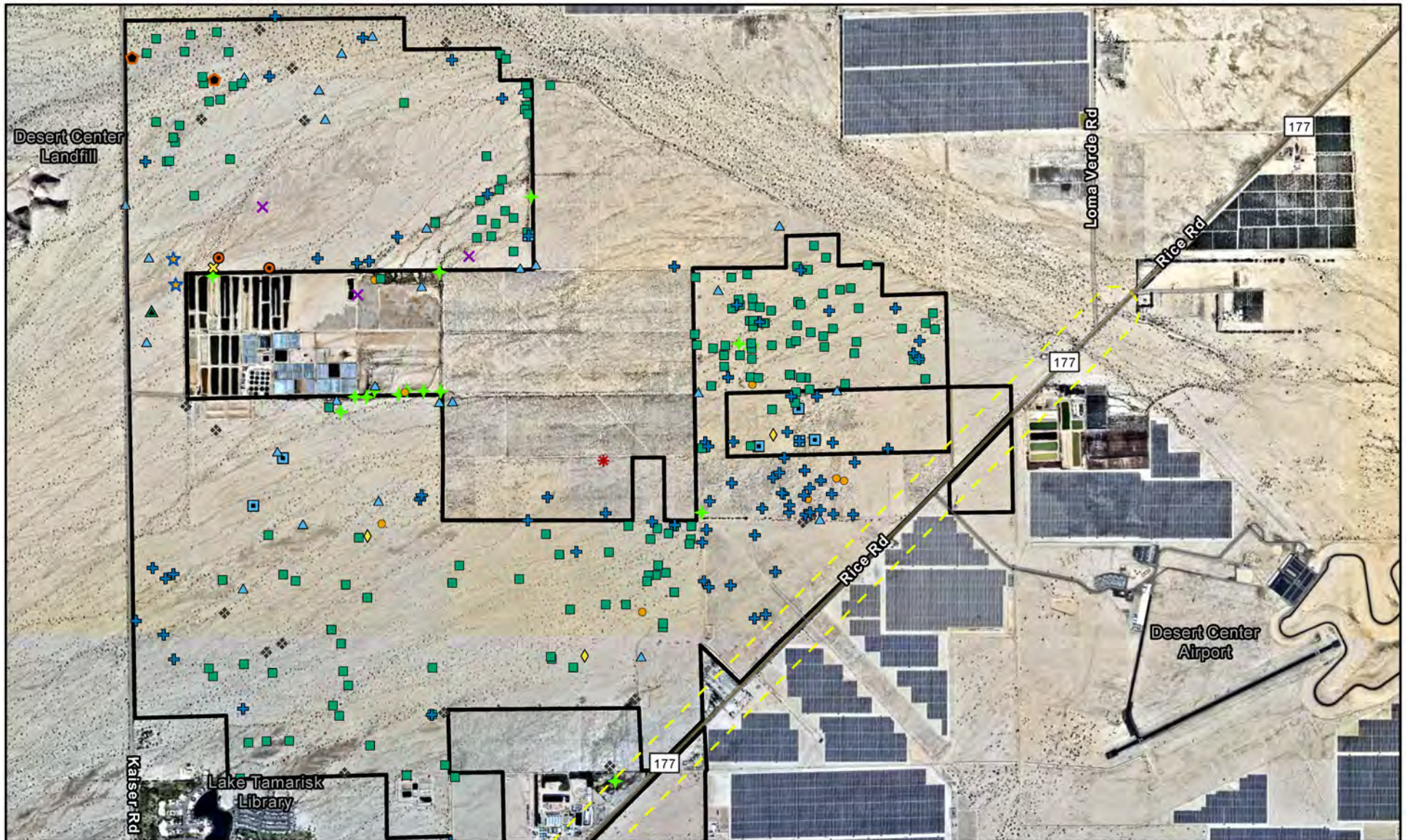


- Special-Status Plants**
- *Castela emoryi* (Emory's crucifixion thorn)
  - + *Funastrum utahense* (Utah vine milkweed)
  - *Ditaxis serrata* var. *californica* (California ditaxis)
  - ◆ *Proboscidea althaeifolia* (Desert unicorn plant)
  - ▲ *Tamarix* sp. (Tamarisk)

**Figure 4-5B**  
**Special-Status**  
**Plants**

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







**Easley Renewable Energy Project**

**Rice Road Potential Permitting Area**

**Special-Status Wildlife**

● American badger	● American white pelican	★ Great egret
▲ Burro deer	■ Burrowing Owl	◆ Loggerhead Shrike
■ Canid	▲ Common raven	✕ Prairie falcon
◆ Coyote	✕ Double-crested cormorant	★ Nighthawk
⊕ Desert Kit Fox	● Gila Woodpecker	★ Couch's Spadefoot

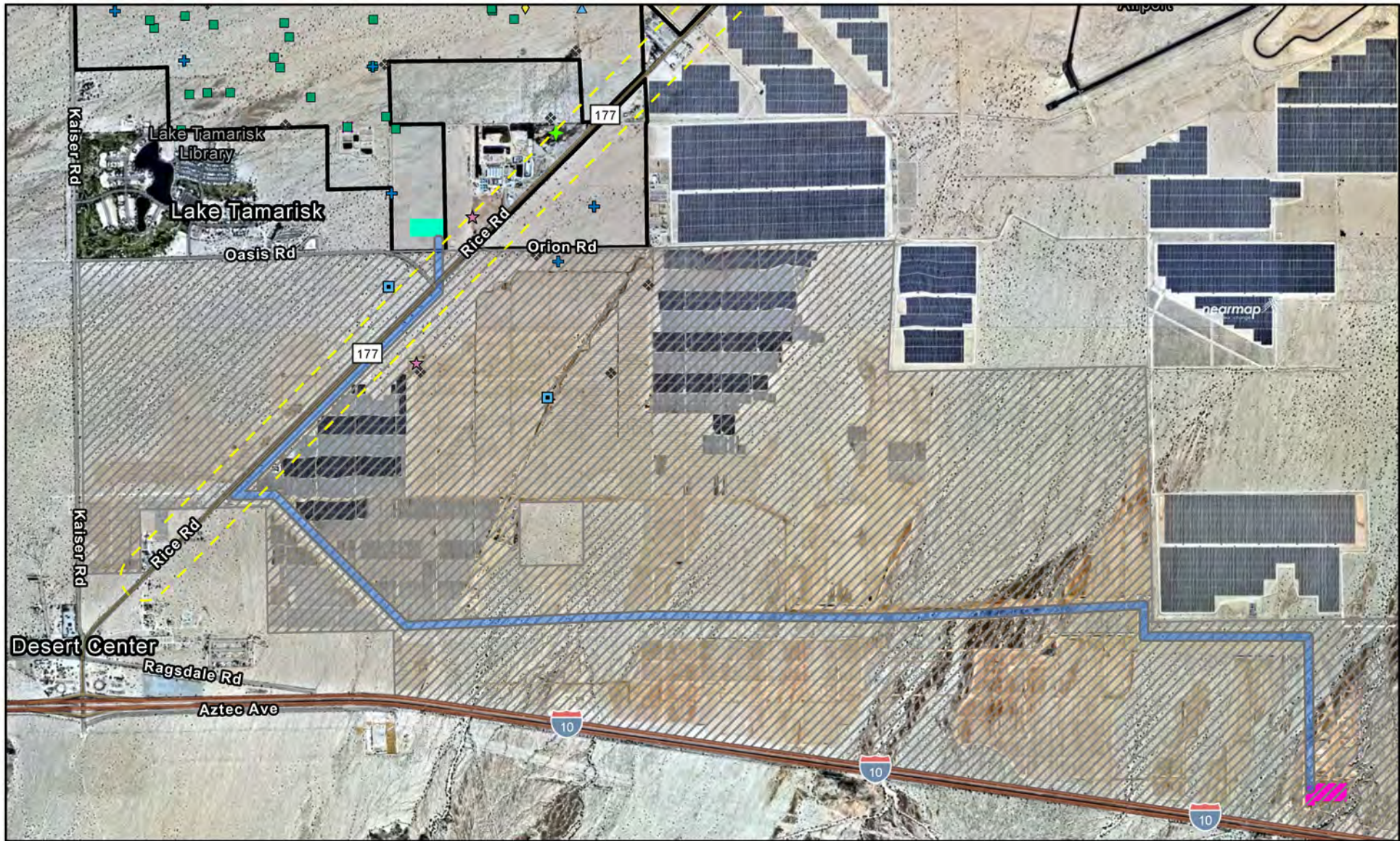
**Figure 4-6A**

**Special-Status Wildlife**

0      0.5      1

————— Miles





- Easley Renewable Energy Project
- Easley Proposed Substation
- Easley Proposed Gen-tie Corridor
- Rice Road Potential Permitting Area
- Oberon Renewable Energy Project

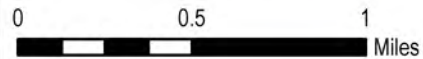
- ▲ Burro deer
- Canid
- ◆ Coyote

Special-Status Wildlife

- + Desert Kit Fox
- ★ Black-tailed gnatcatcher
- Burrowing Owl
- ✕ Loggerhead Shrike
- ✕ Prairie falcon
- + Couch's Spadefoot

Figure 4-6B

**Special-Status Wildlife**



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