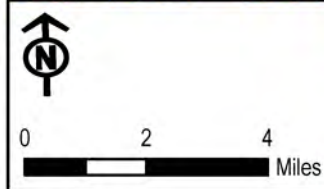
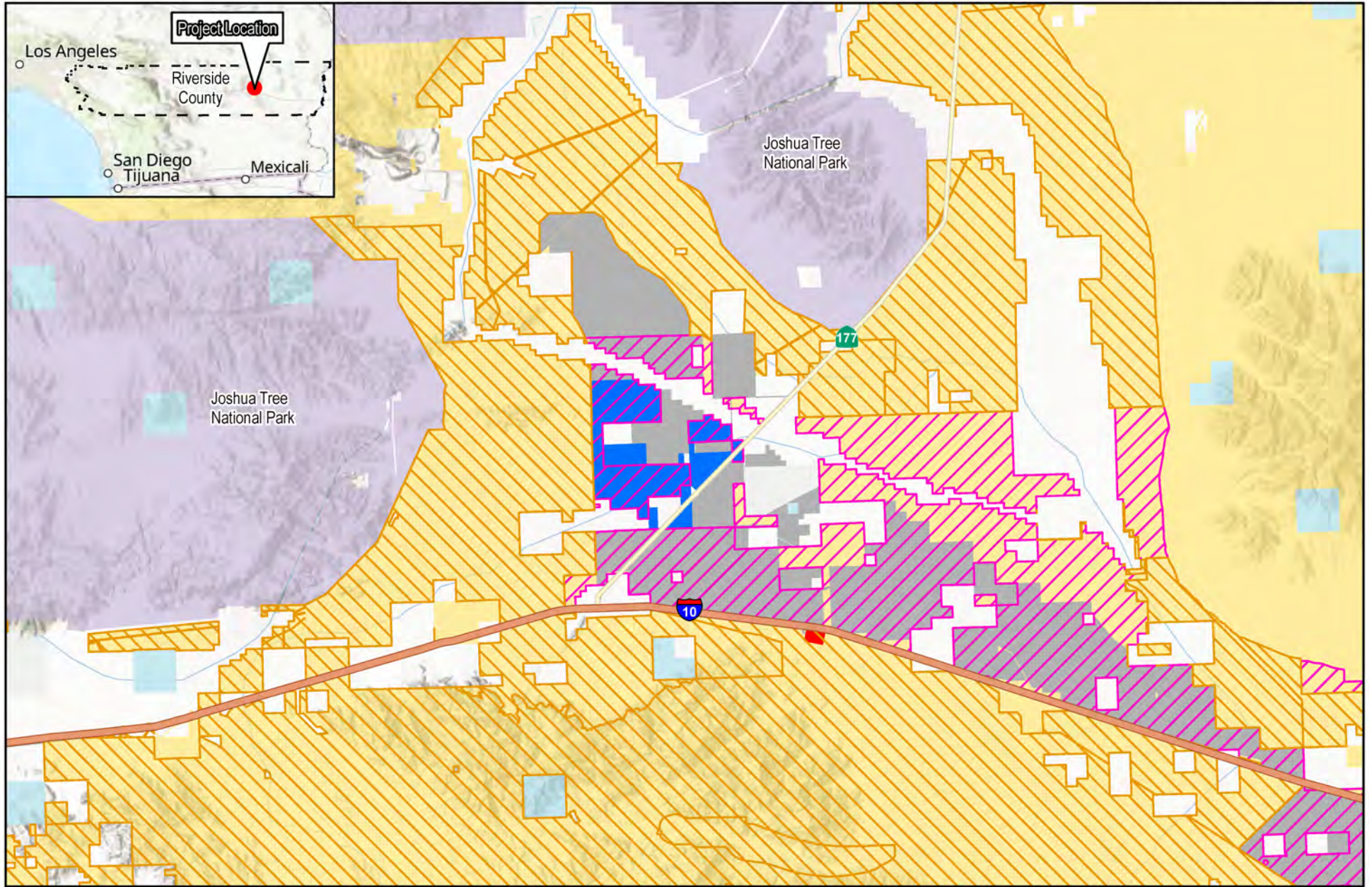


Appendix A

Figures and Maps

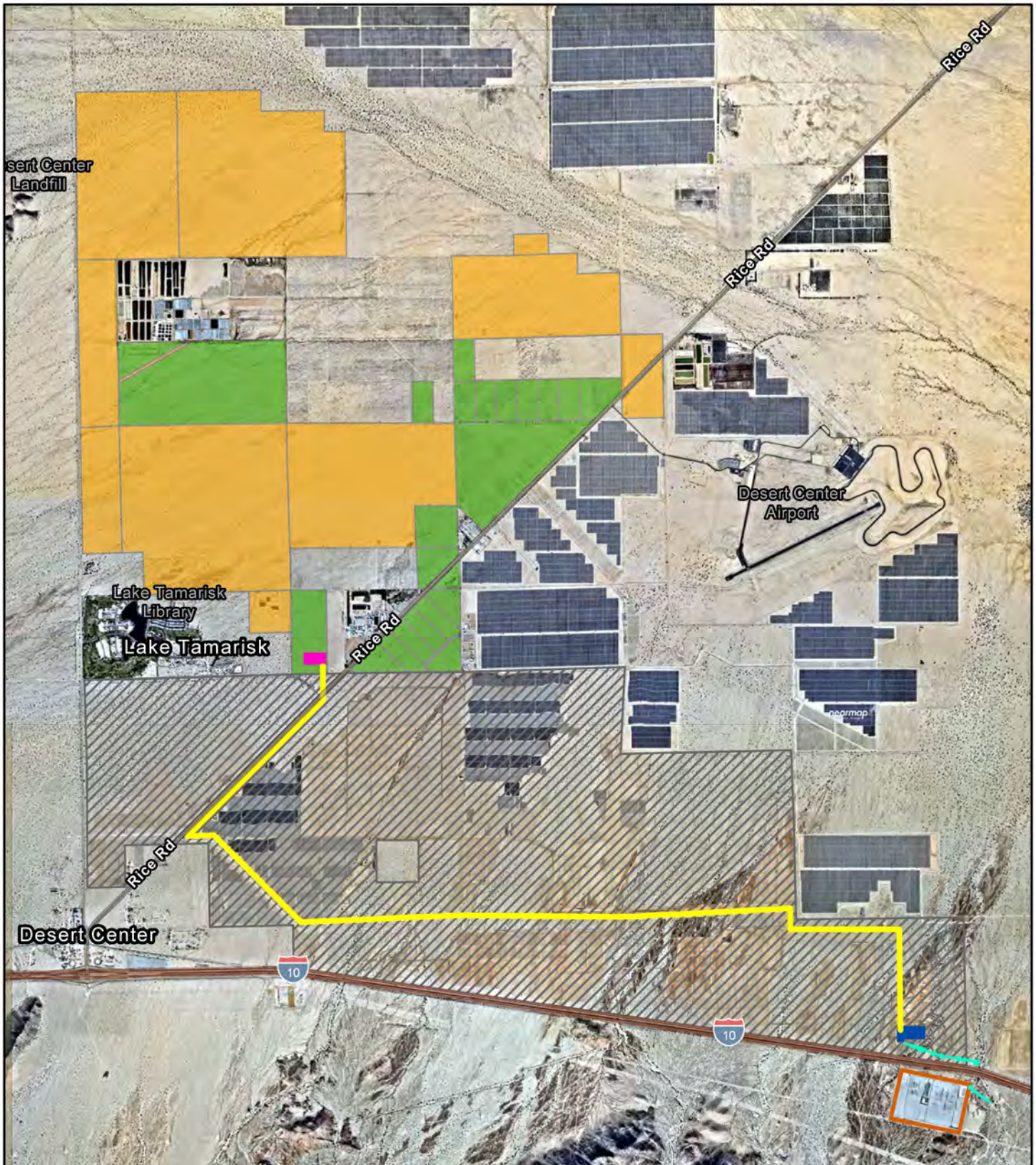


- | | | |
|---------------------------------------|---|-----------------------|
| Easley Renewable Energy Project | ACEC | National Park Service |
| Surrounding Renewable Energy Projects | Development Focus Area (All Technologies) | State |
| Red Bluff Substation | Bureau of Land Management | |

Figure 2-1

Project Vicinity

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



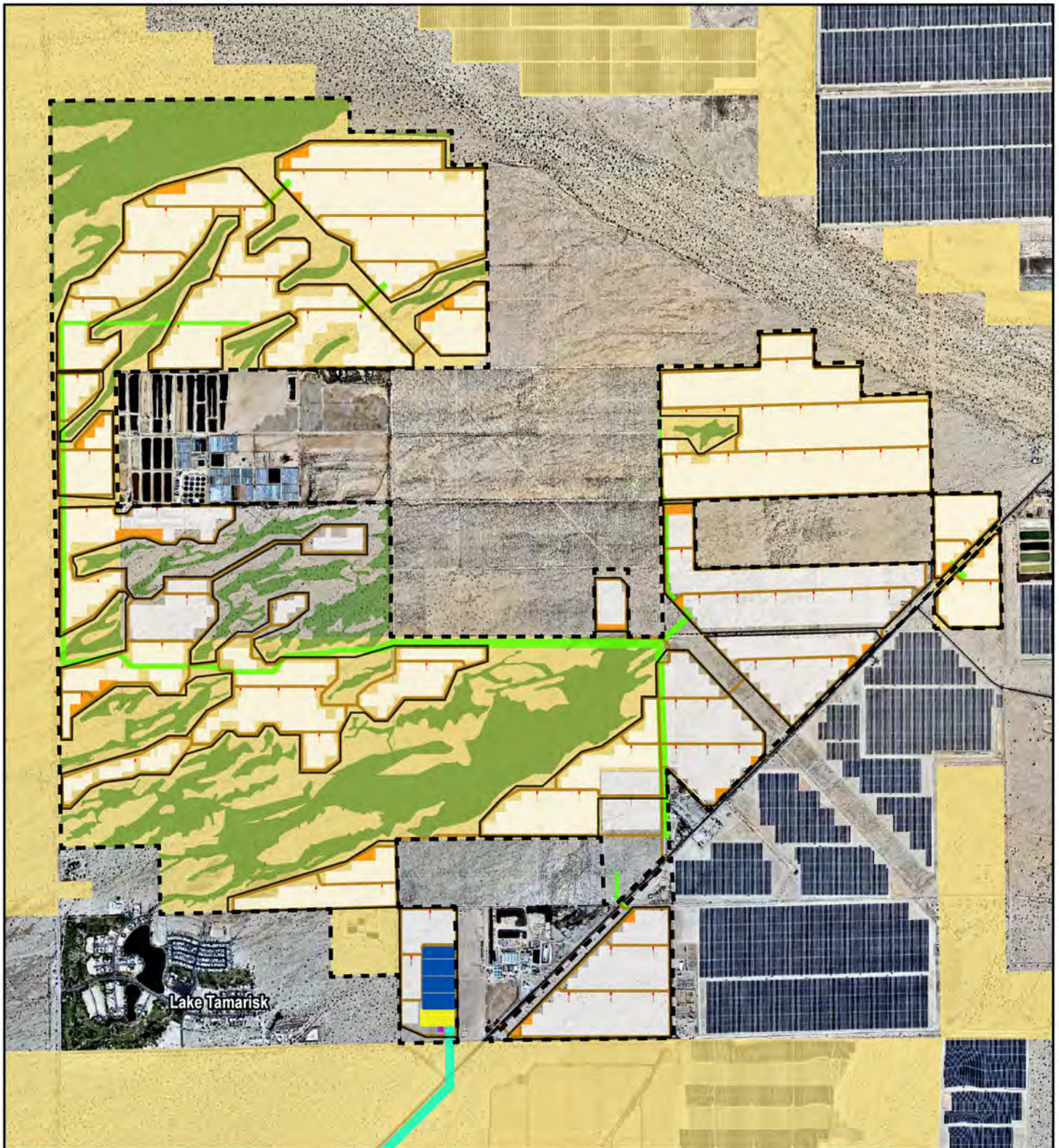
0 0.5 1 Miles

- 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

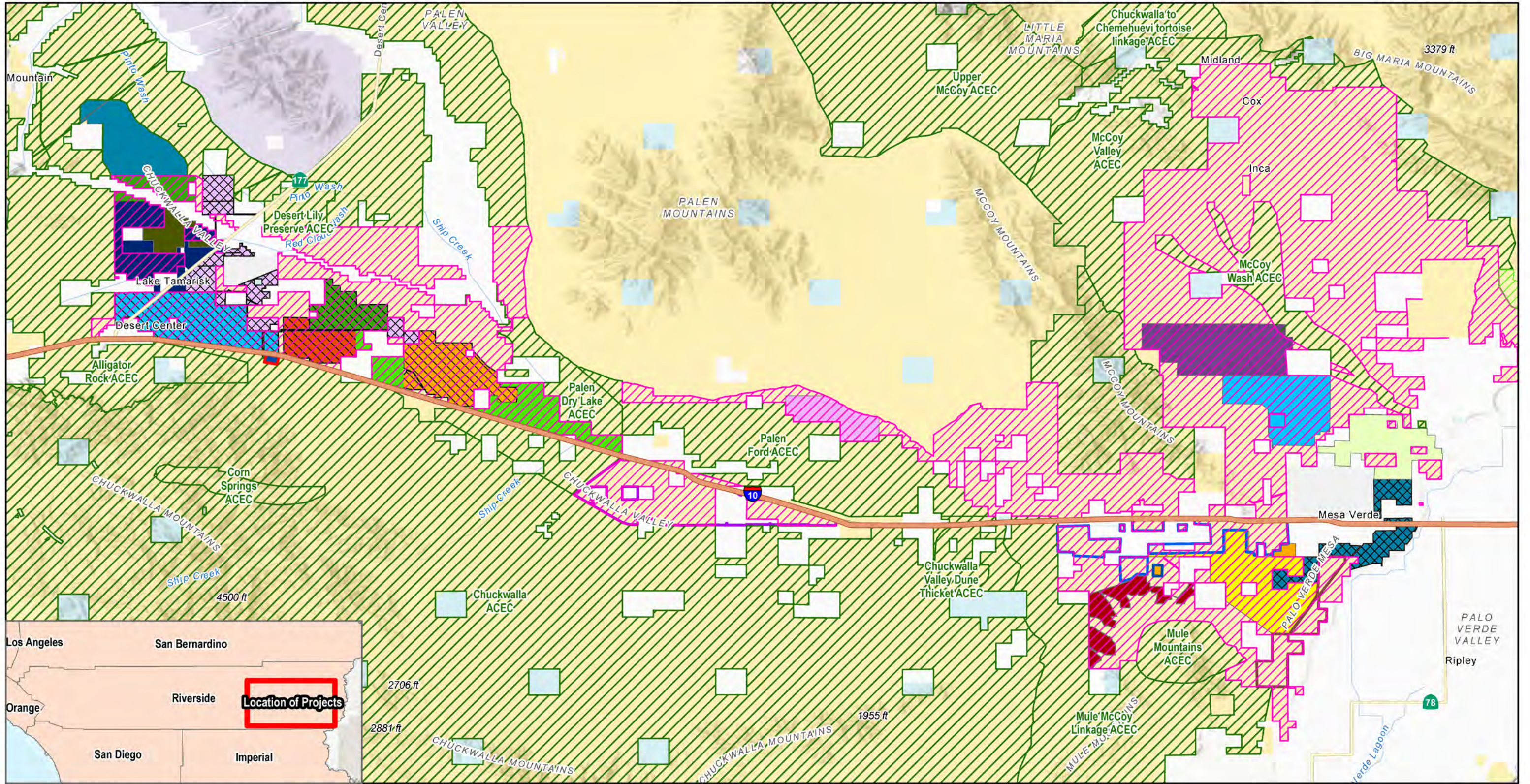
Sources: BLM, 2022; Esri, 2023; Intersect Power, 2023; NearMap, 2023.



- | | |
|--|---------------------------|
| 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**



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	Land Ownership
Variance Process Lands	Easley Renewable Energy Project	Blythe Solar	Palo Verde Mesa Solar	Clearway-Victory Pass	Calypso II Solar Project	Red Bluff Substation	Military
	Sapphire Solar Project	Desert Quartzsite Solar	Athos Solar	Clearway-Arica	Crimson Solar	Colorado River Substation	Bureau of Land Management
		Desert Sunlight	Palen	Blythe Mesa	Lycan Solar Project		State

Figure 2-4
East Riverside Solar Projects & DRECP Context

0 5 10 Miles

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



Figure 2-5

Site Photographs

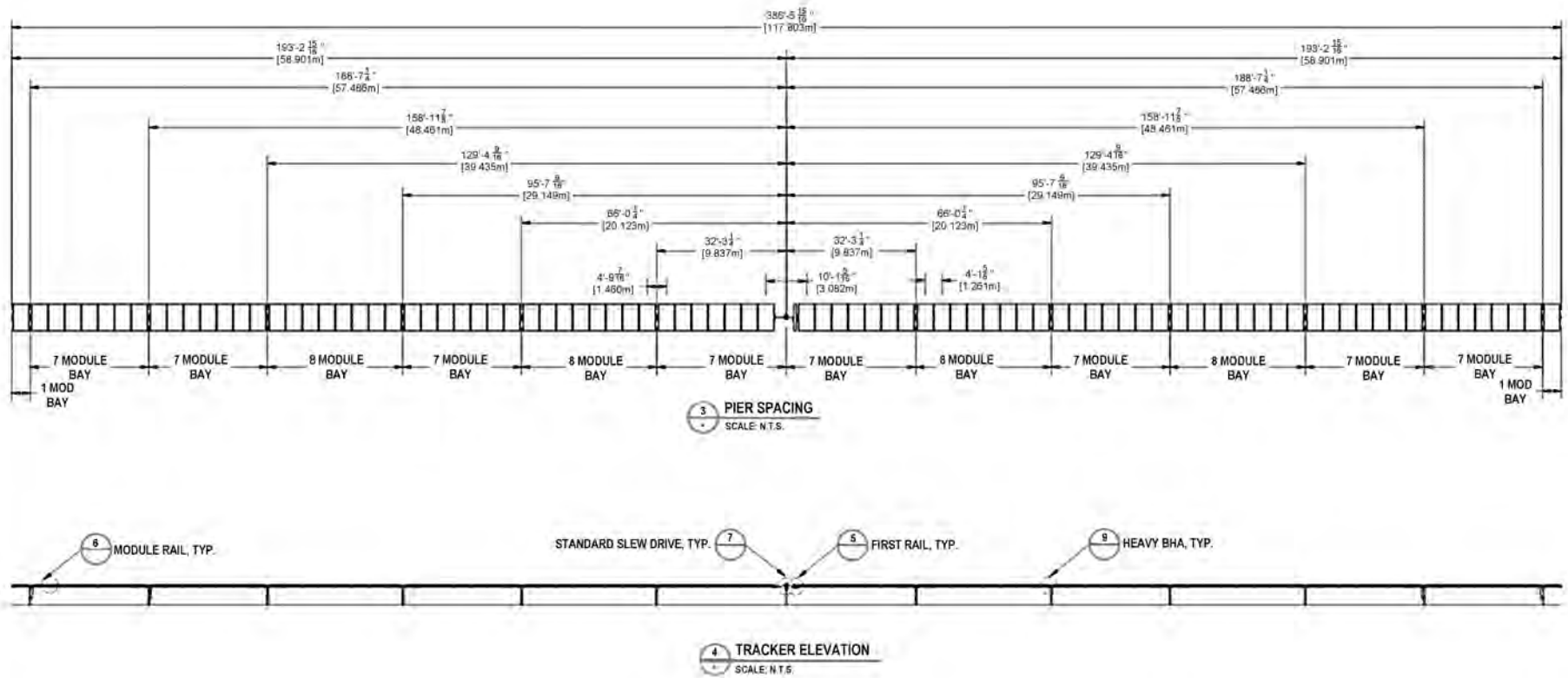


Figure 2-6

Typical Single Axis Tracker with Portrait Module Orientation

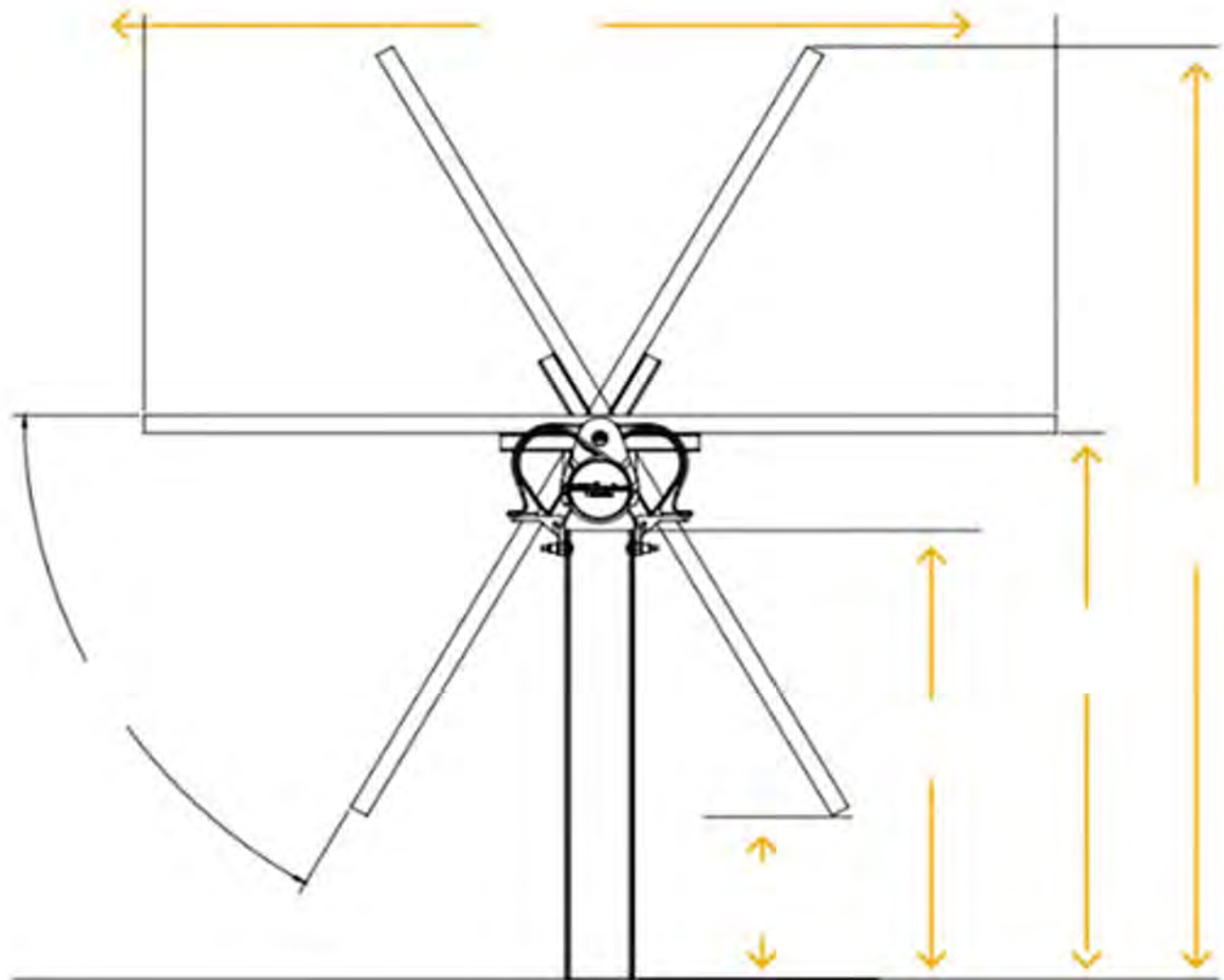


Figure 2-7
Typical Tracker Structure

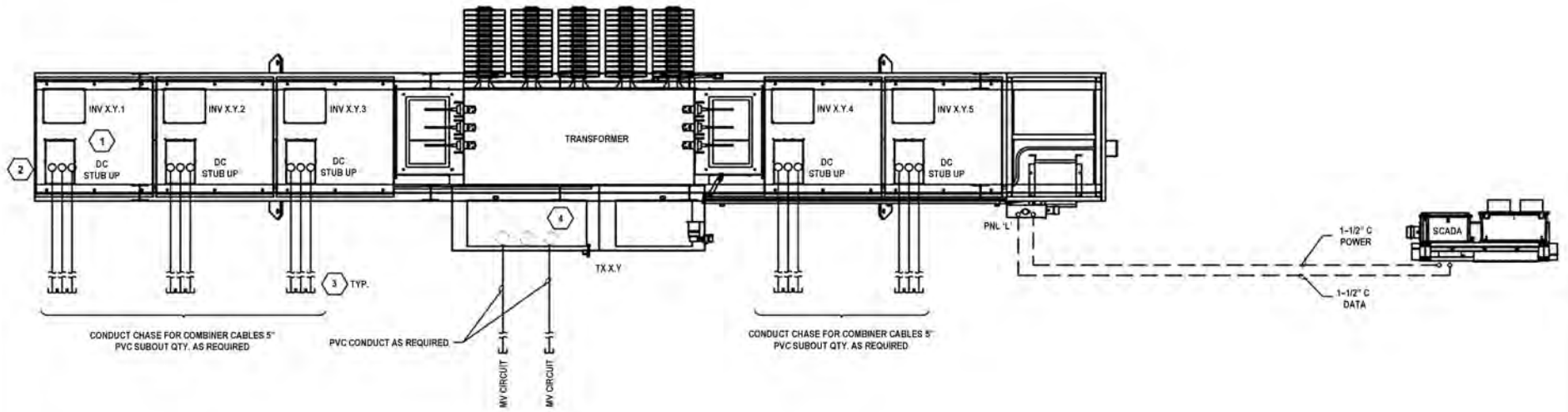
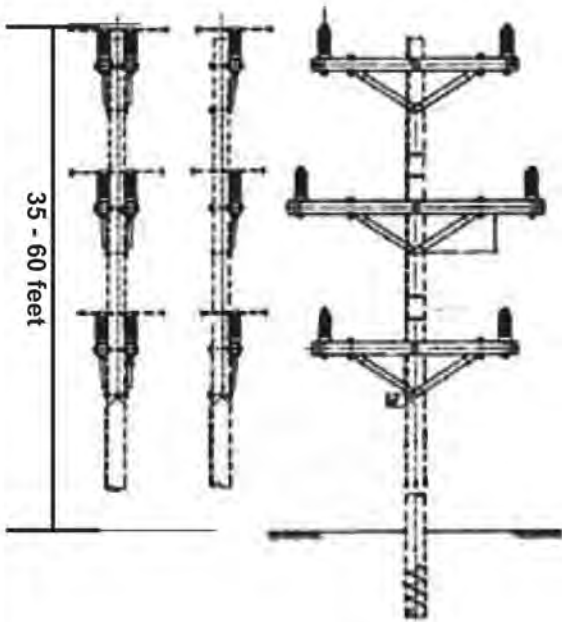
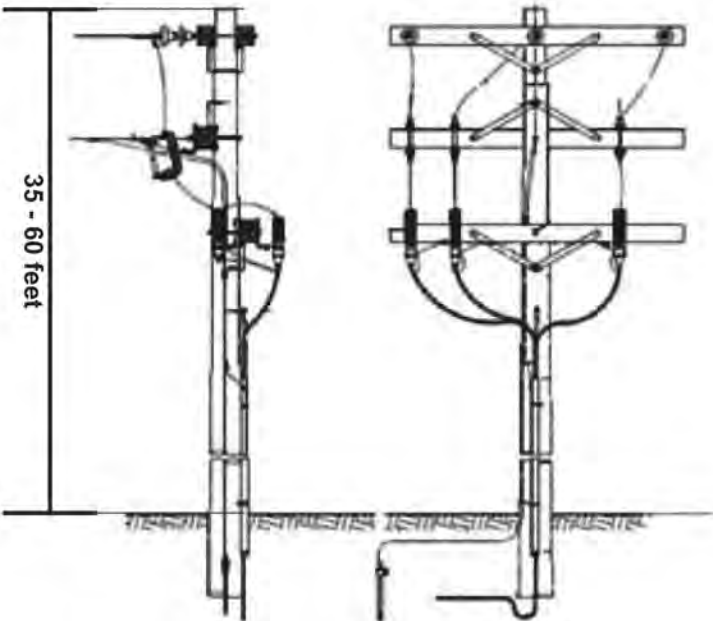


Figure 2-8

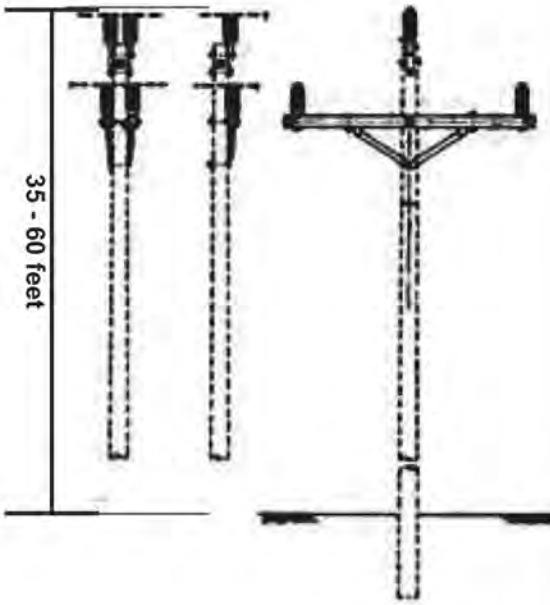
Typical Inverter Skid Layout



Double Circuit 34.5 kV
Overhead Line Wood Pole



Riser Wood Pole

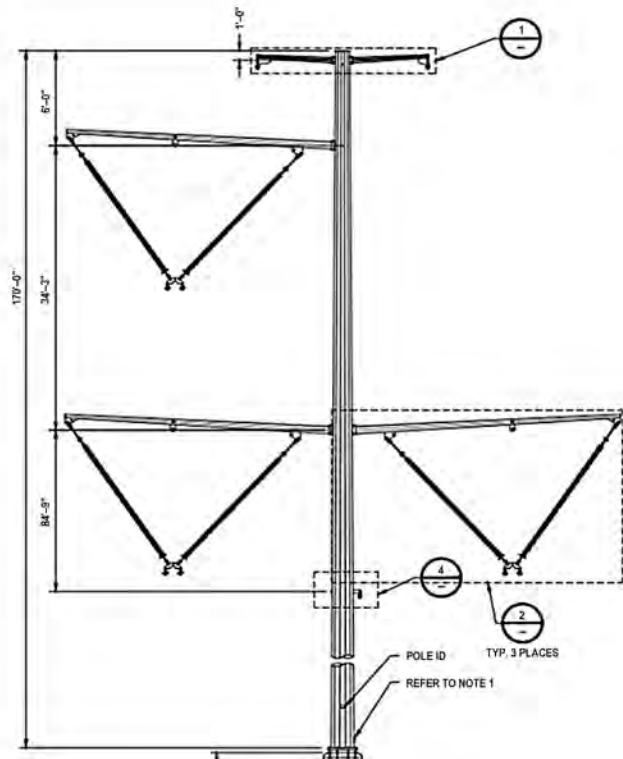


Single Circuit 34.5 kV
Overhead Line Wood Pole

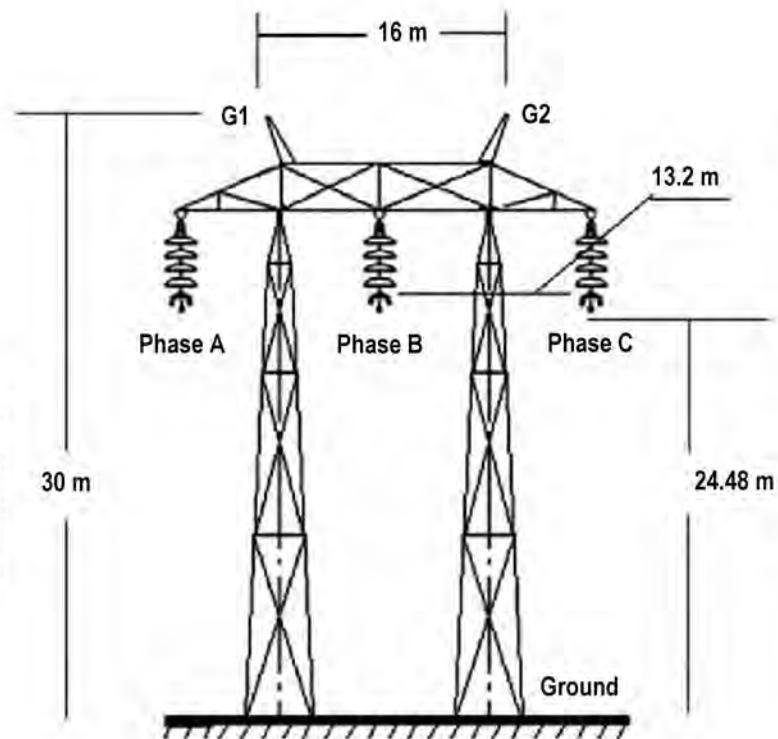
Figure 2-9

Typical 34.5 kV Medium Voltage
Line Structures

Typical Monopole Structure



Typical Steel H-frame Structure



Typical Waist-type Lattice Structure

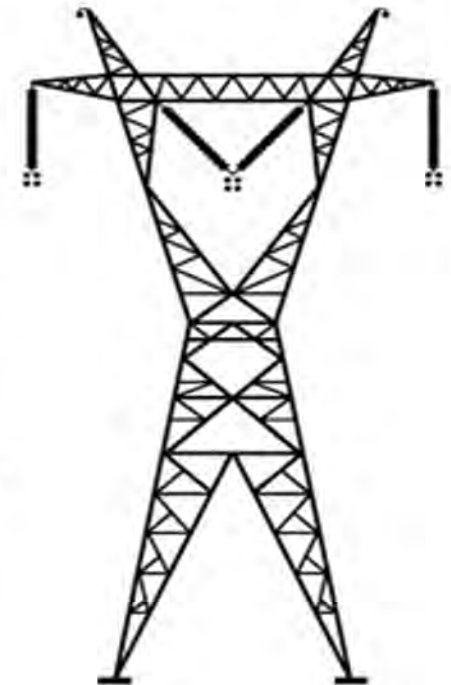


Figure 2-10

Typical Structure for 500 kV Gen-tie

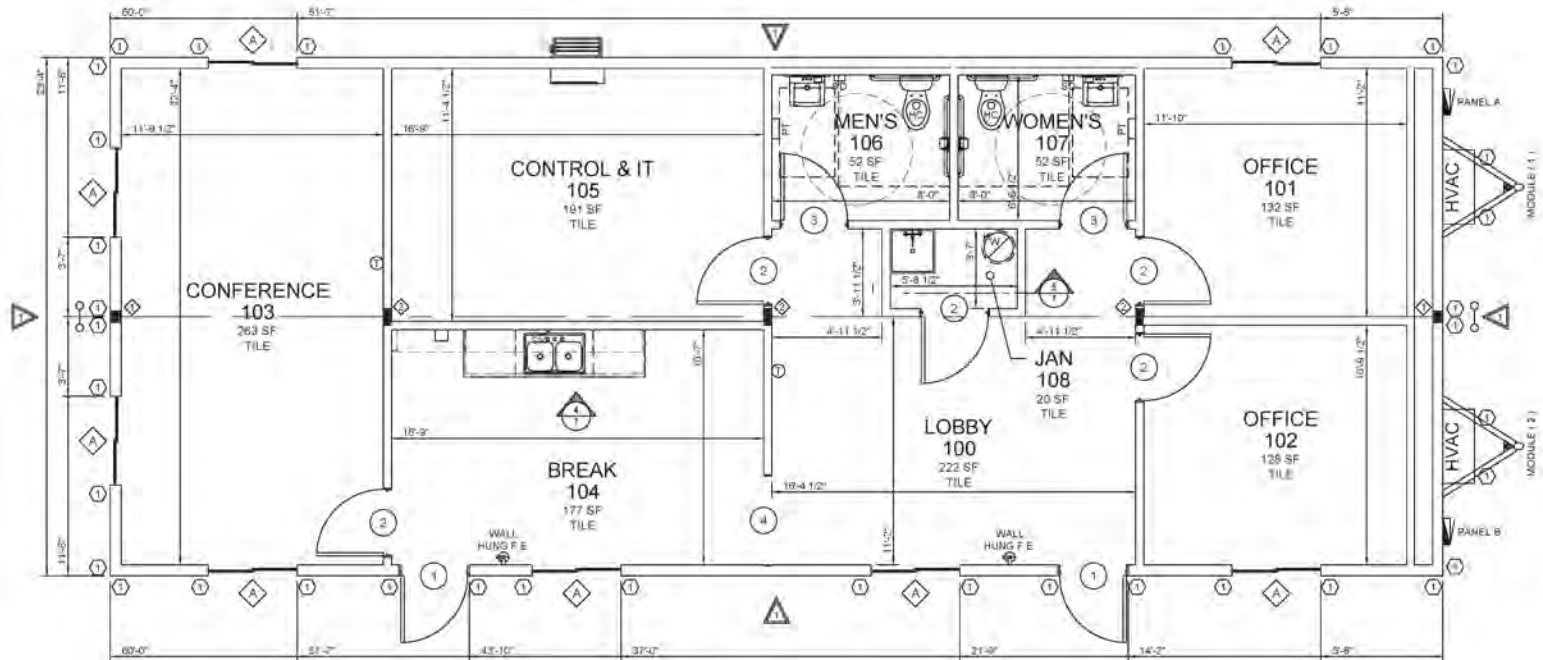


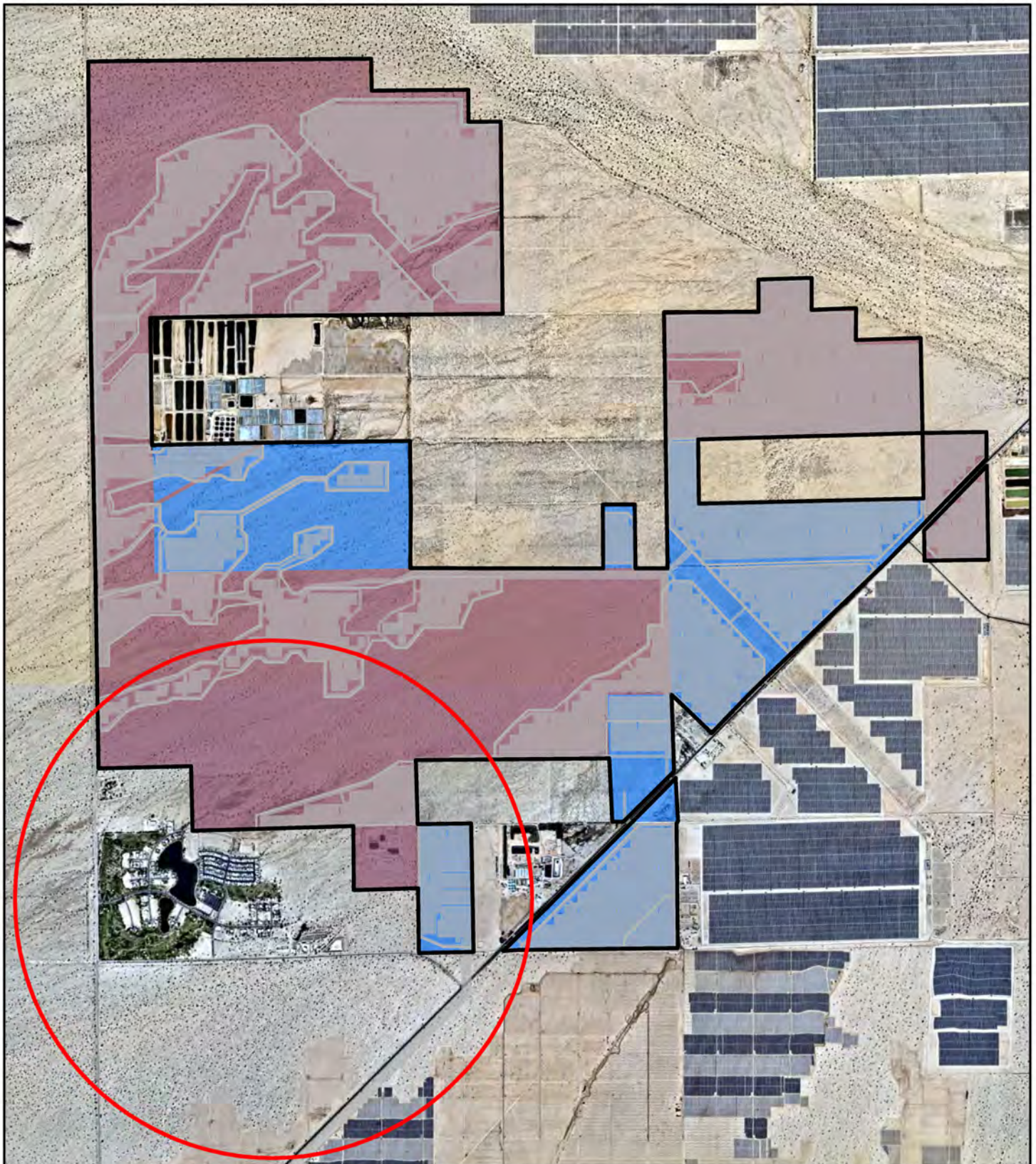
Figure 2-11

Typical O&M Building Floor Plan



Figure 2-12

Typical BESS Enclosure








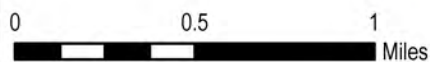
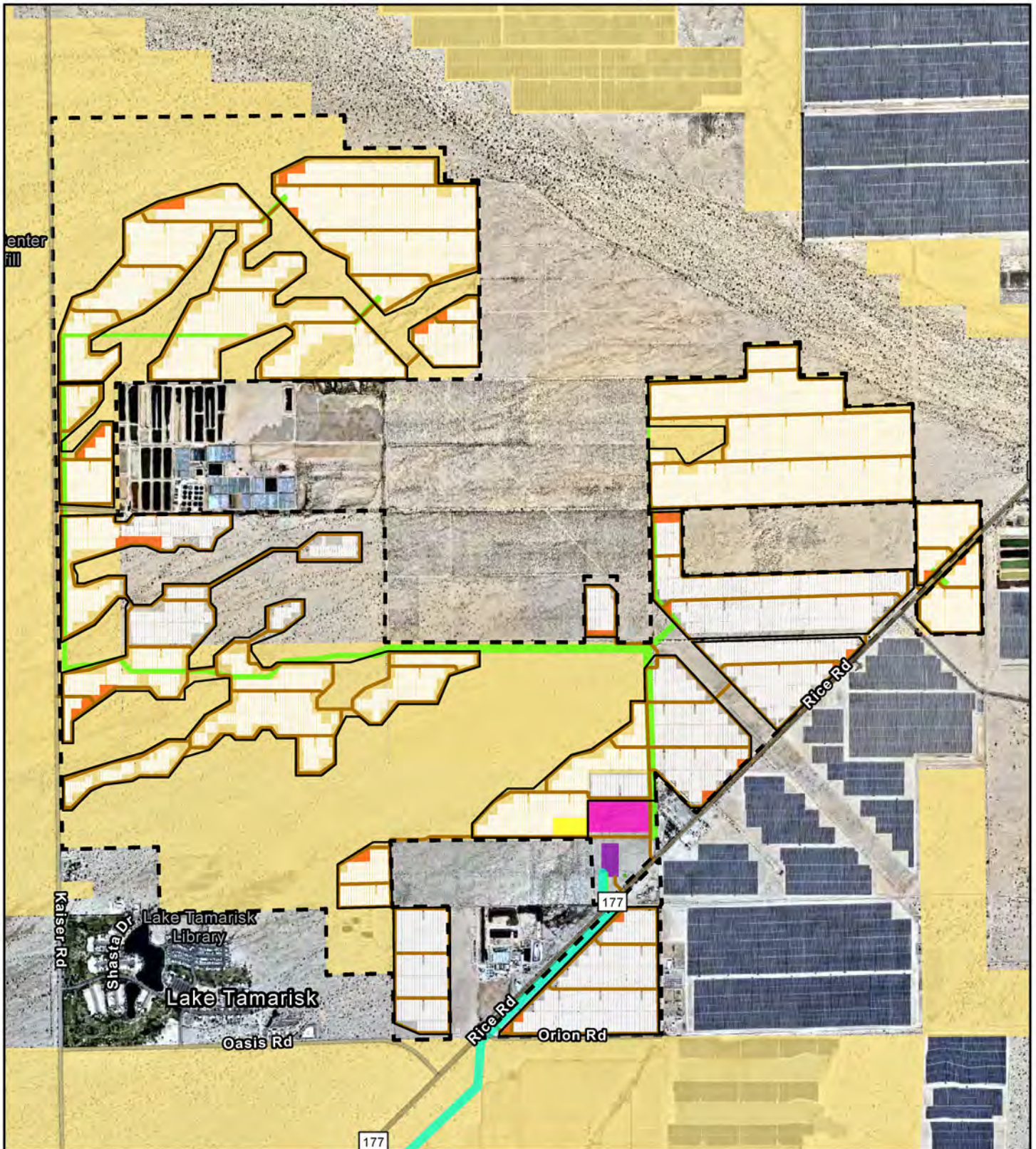
-  1-Mile Radius from APN 808-221-025
-  Easley Proposed Project Design
-  Easley Project Boundary
-  Easley Project Parcels (BLM Land)
-  Easley Project Parcels (Private Land)

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) | |

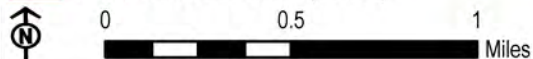
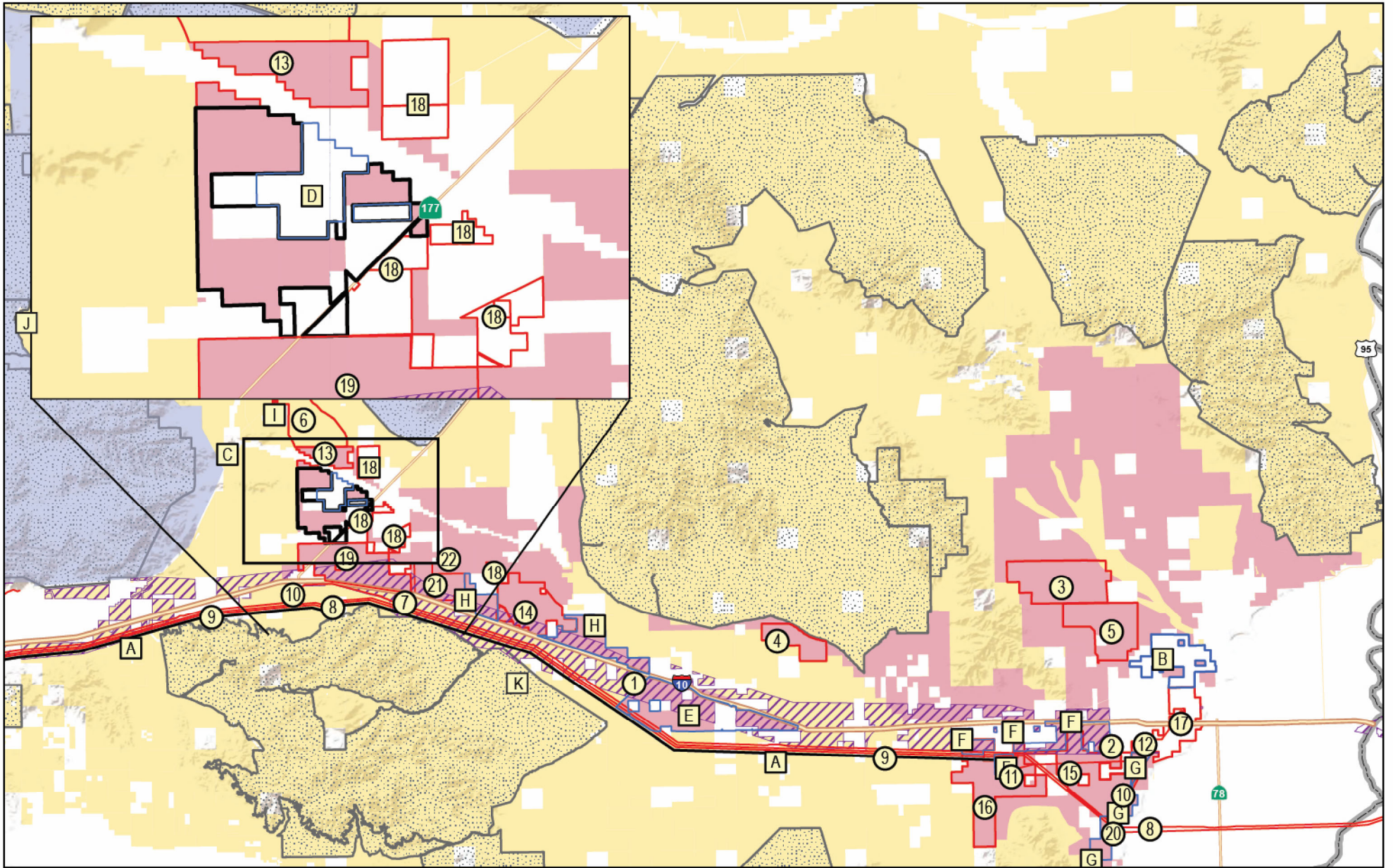


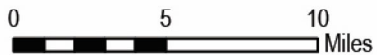
Figure 2-14

**Easley Renewable Energy Project
Lake Tamarisk Alternative**

Sources: Esri, 2023; Intersect Power, 2023.



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



Existing Projects*



Foreseeable Projects*

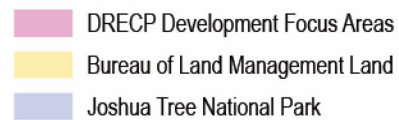
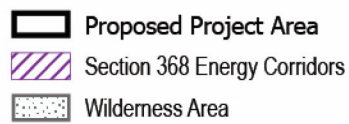
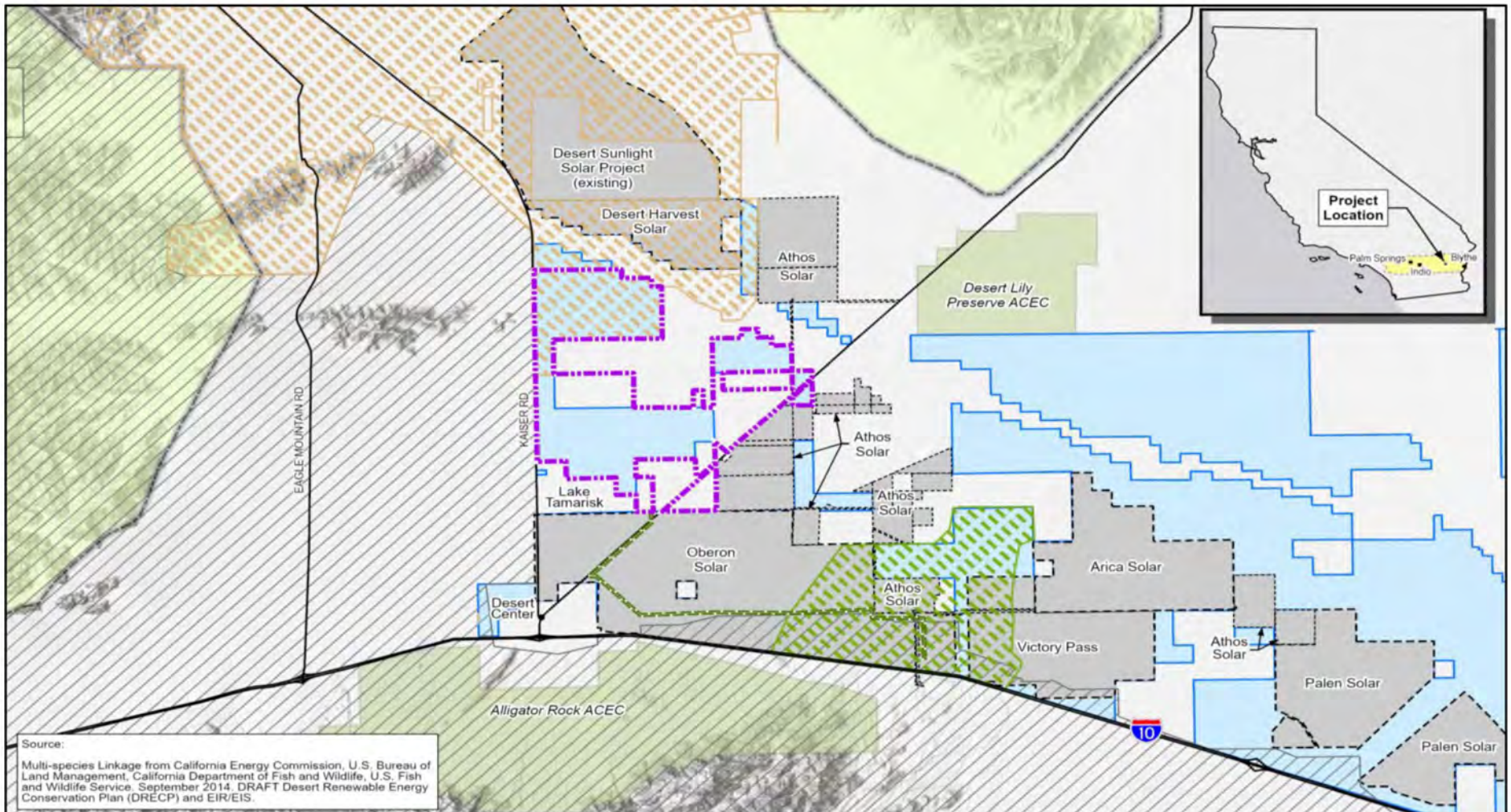


Figure 3.1-1

Cumulative Projects



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.

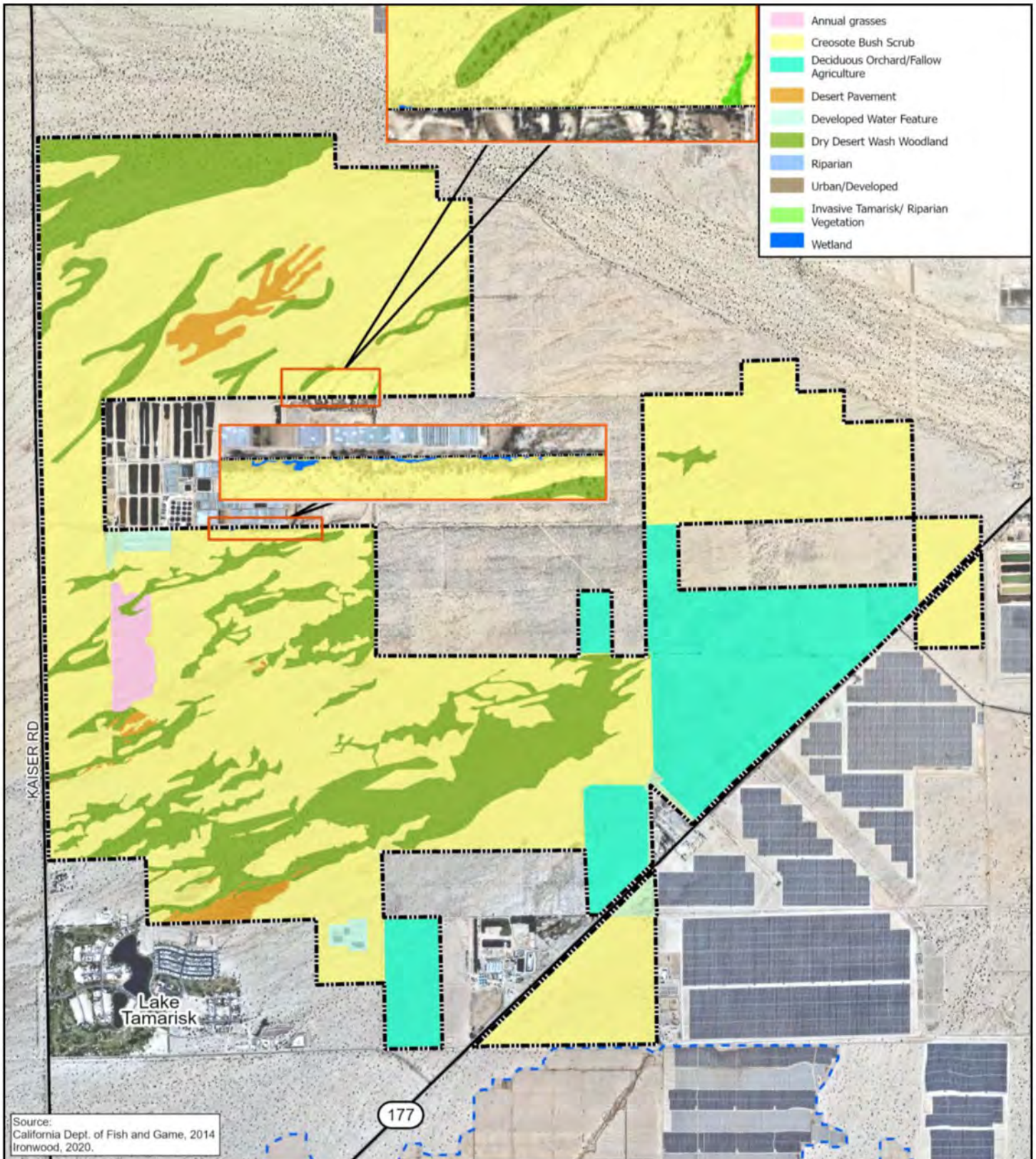
- | | | | |
|---|--|---|---|
|  | Easley Renewable Energy Project Boundary |  | Multi-Species Linkage Area |
|  | Easley Renewable Energy Project Gen-Tie Corridor |  | Area of Critical Environmental Concern (ACEC) |
|  | Desert Tortoise Conservation Area |  | Joshua Tree National Park |
|  | Tortoise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

Source: Ironwood, 2023a.

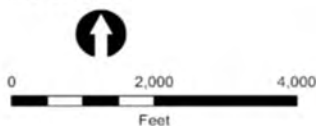


Figure 3.5-1

General Vicinity



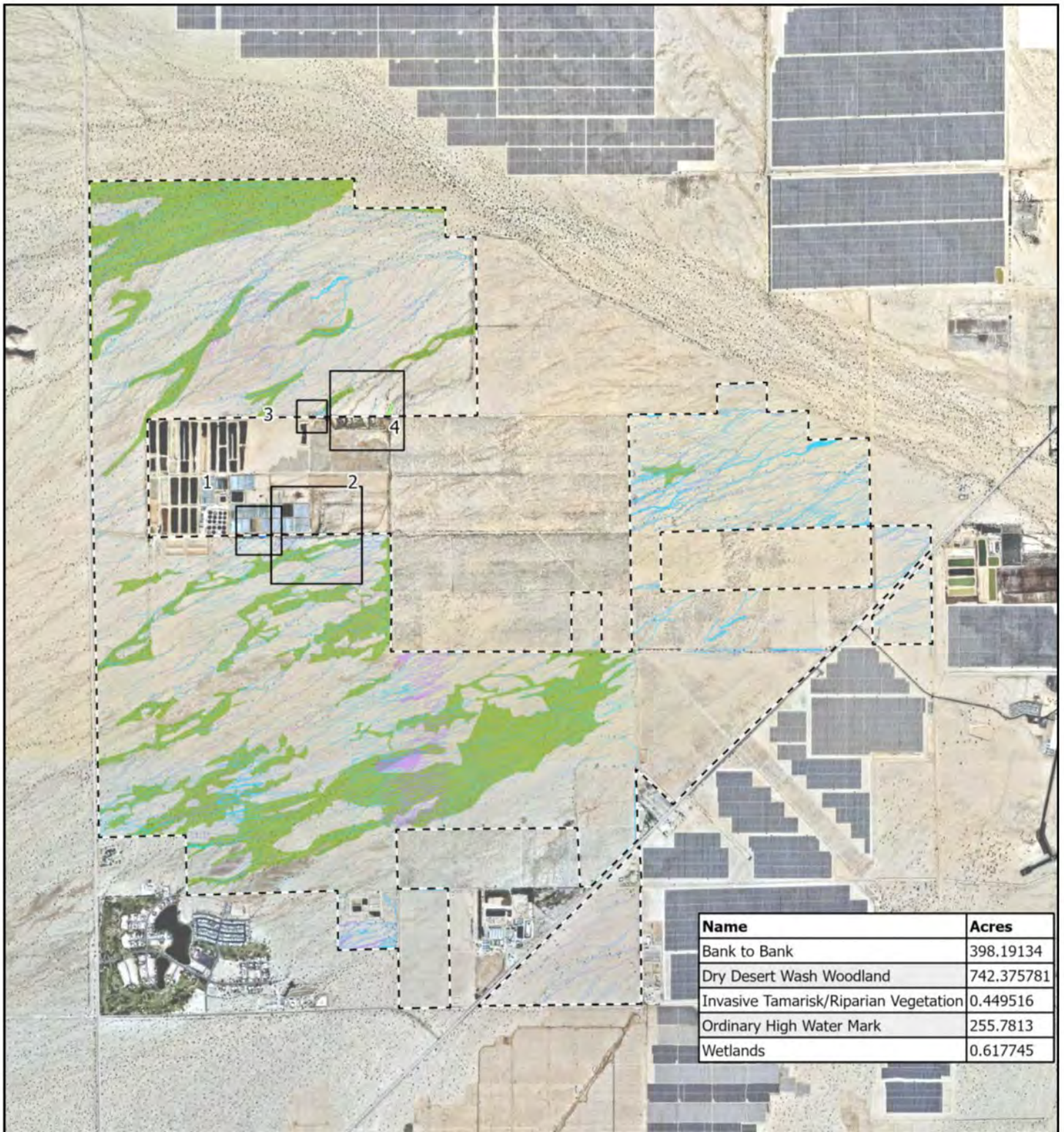
Source: Ironwood, 2023a.



- 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

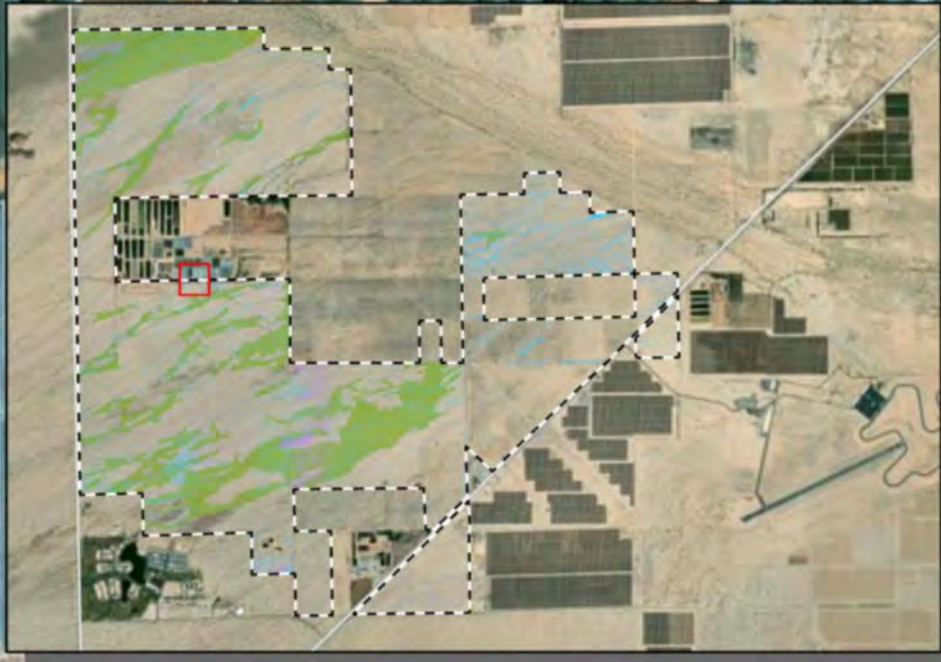
Source: Ironwood, 2023b.



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.

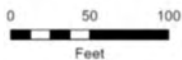
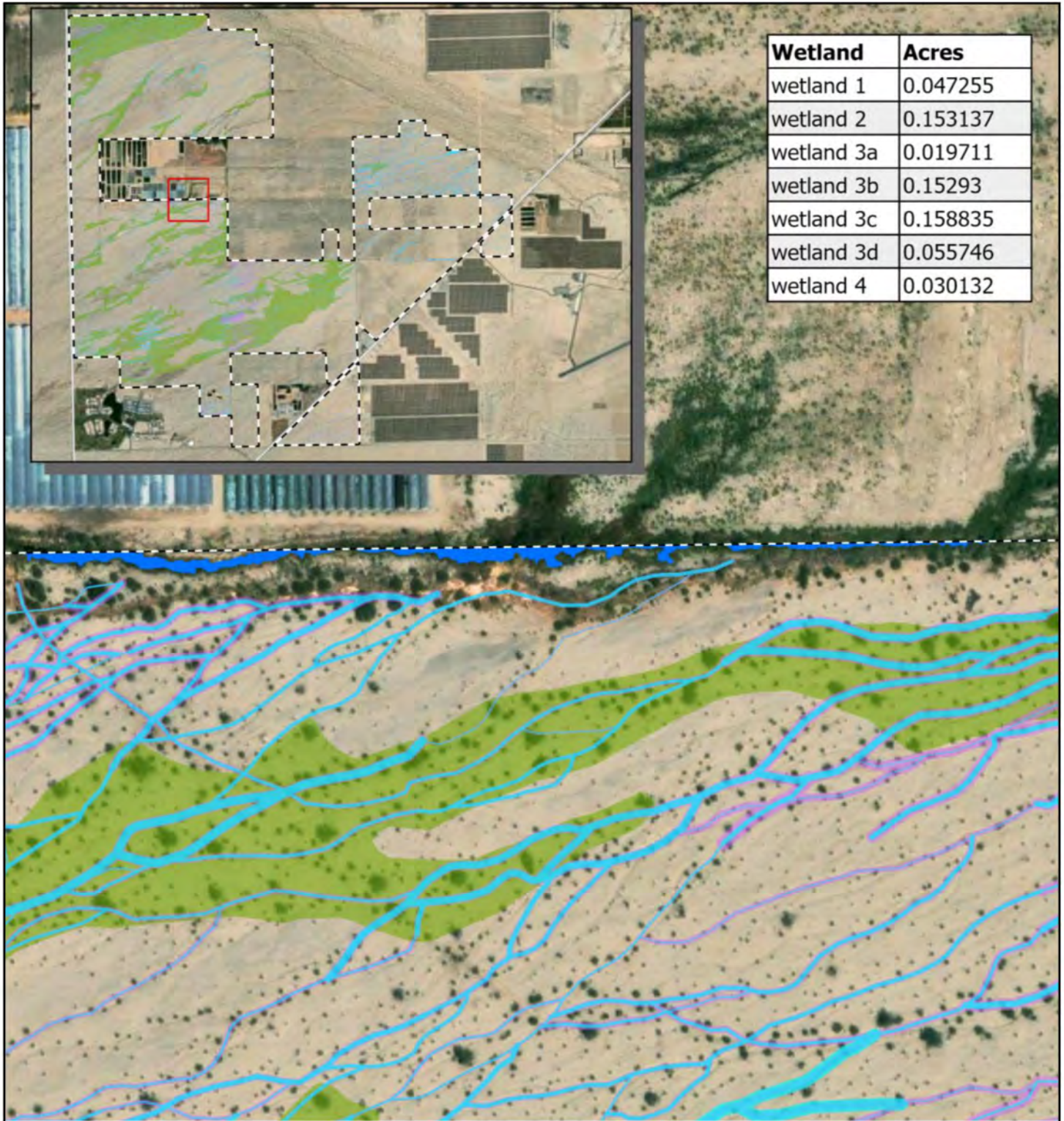


Figure 3.5-3b

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

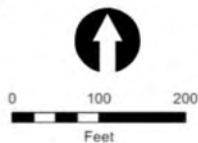
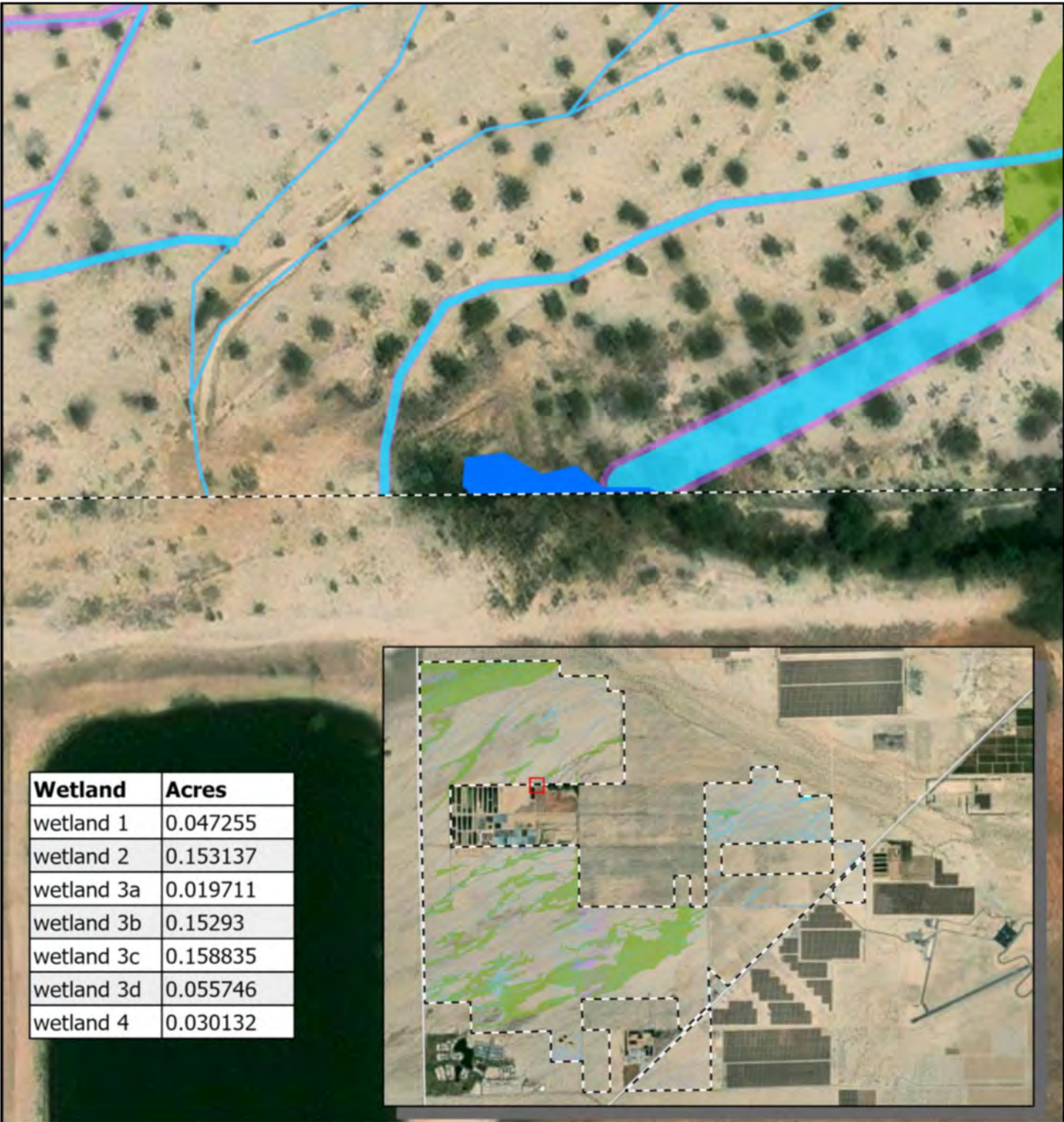


Figure 3.5-3c

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

■ Wetlands

■ Drainage Polygons - OHWM

■ Drainage Polygons - Bank to Bank

■ Invasive Tamarisk/Riparian Vegetation

■ Dry Desert Wash Woodland

Source: Ironwood, 2023b.

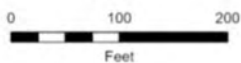
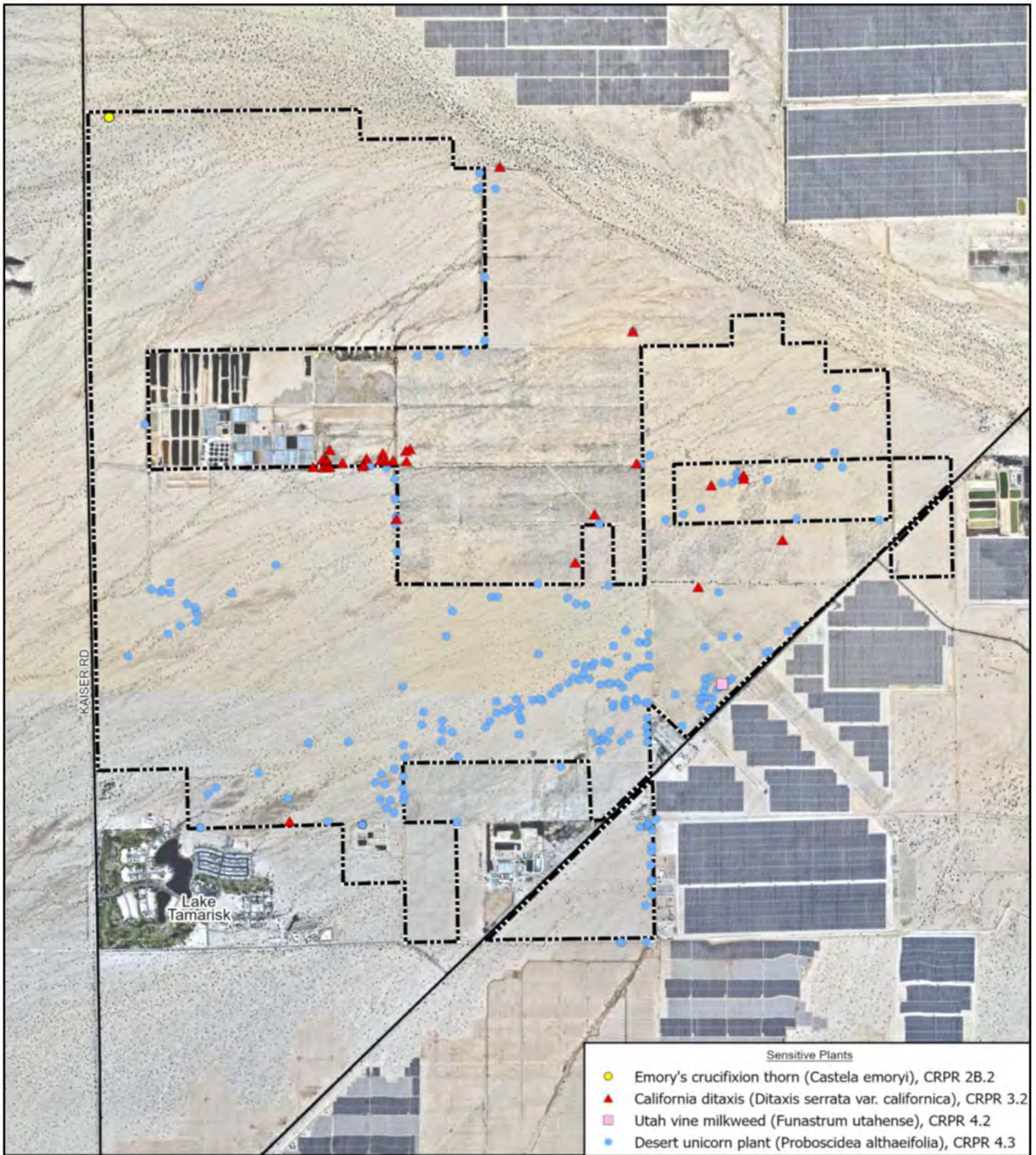



Figure 3.5-3e

Jurisdictional Wetlands and Waters



 Easley Renewable Energy
Project Boundary

Source: Ironwood, 2023a.

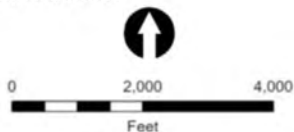
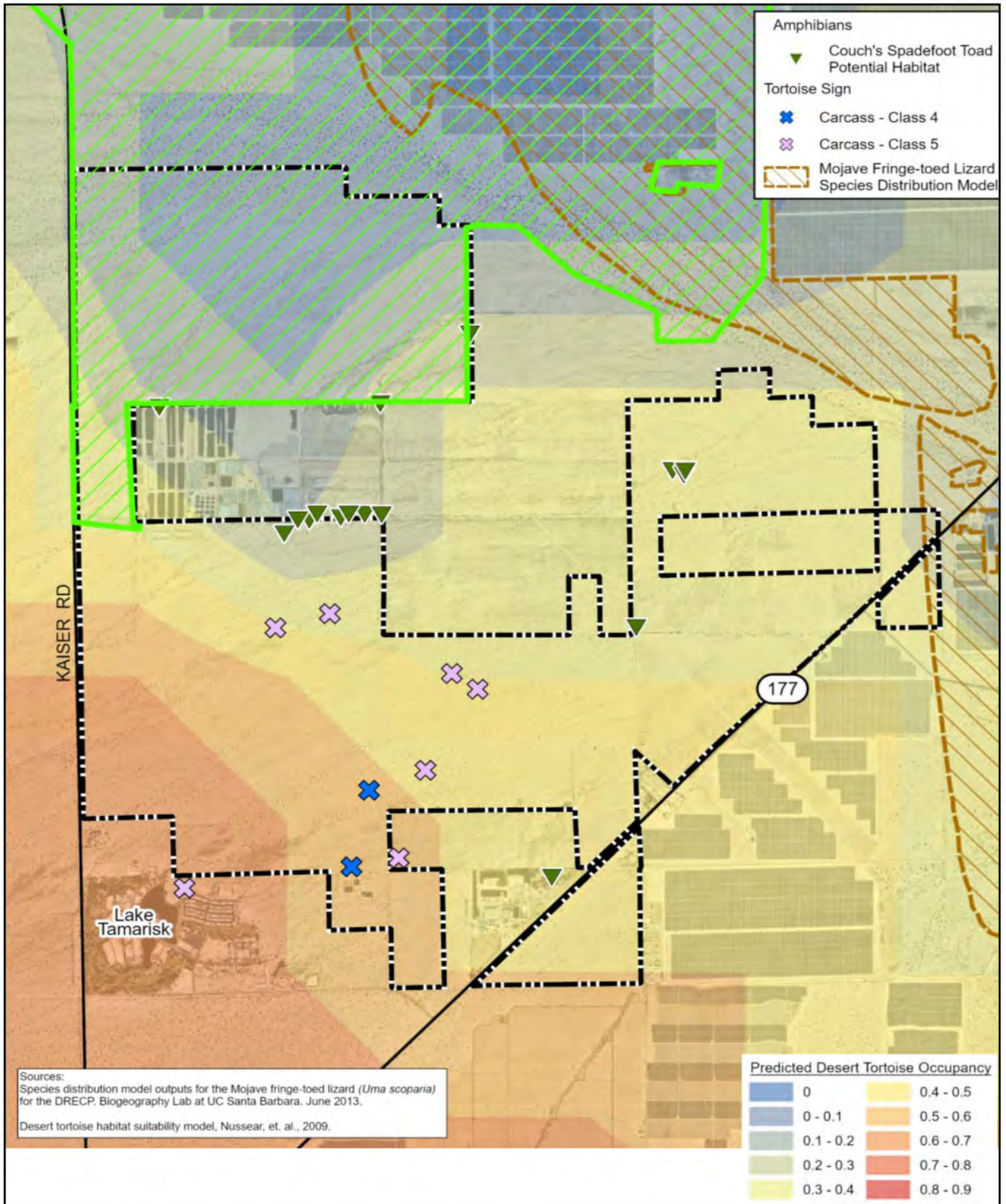
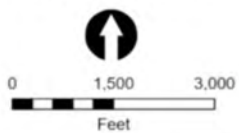


Figure 3.5-4

Special-status Plants



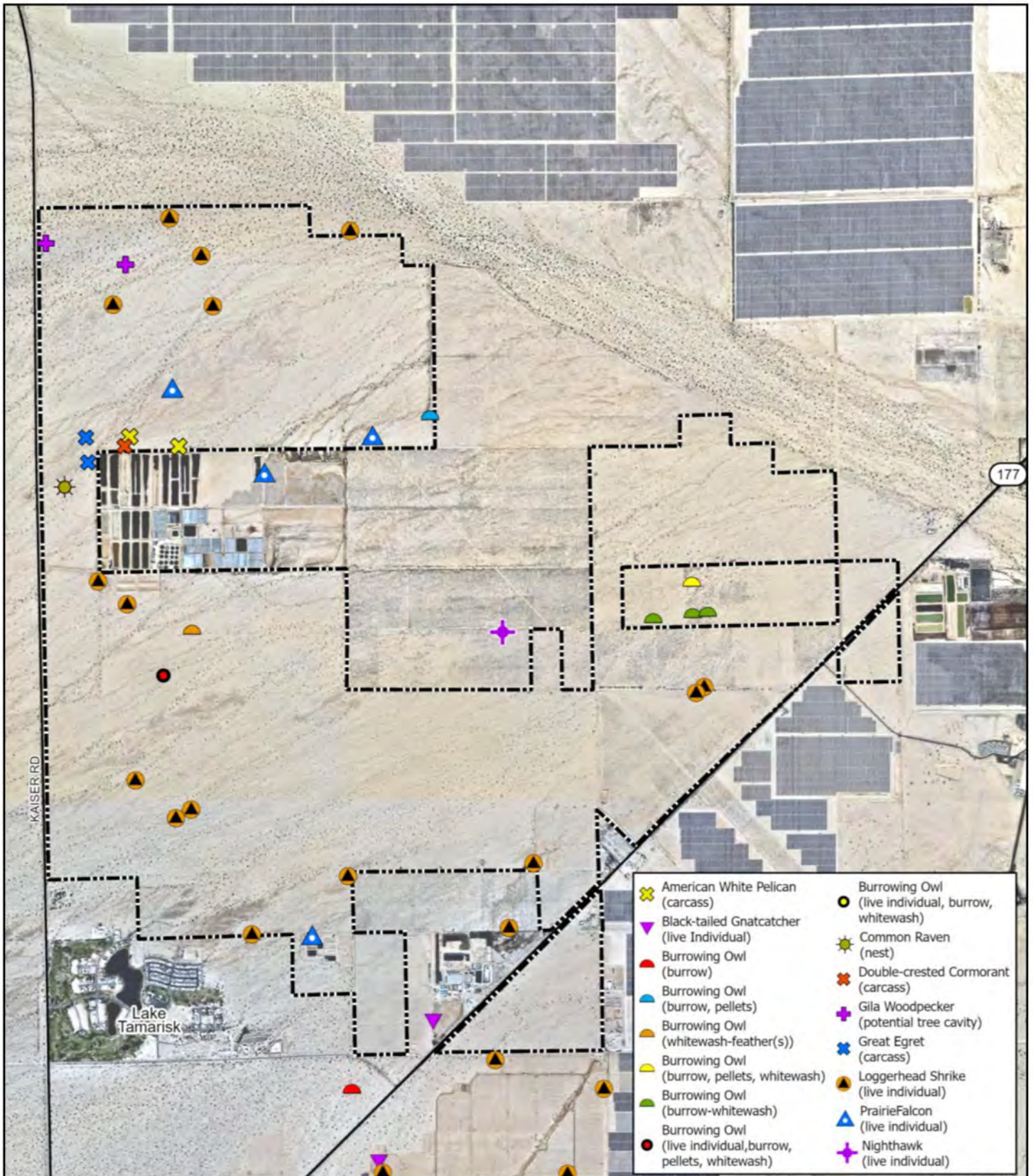
Source: Ironwood, 2023a.



Easley Renewable Energy Project Boundary
 Pinto Wash Linkage

Figure 3.5-5

Special-status Amphibians and Reptiles



Source: Ironwood, 2023a.

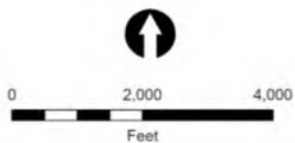
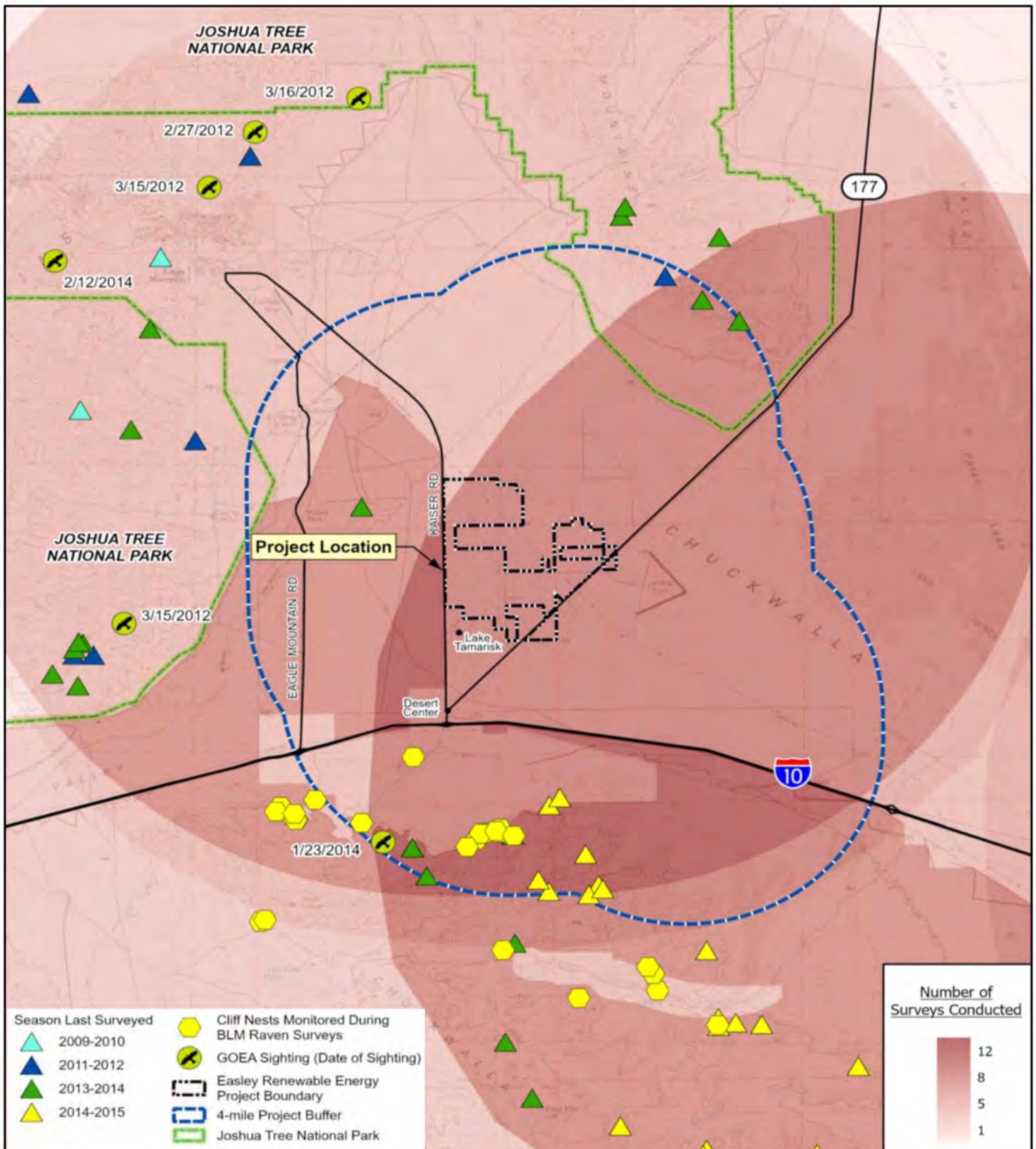


Figure 3.5-6
Special-status Birds

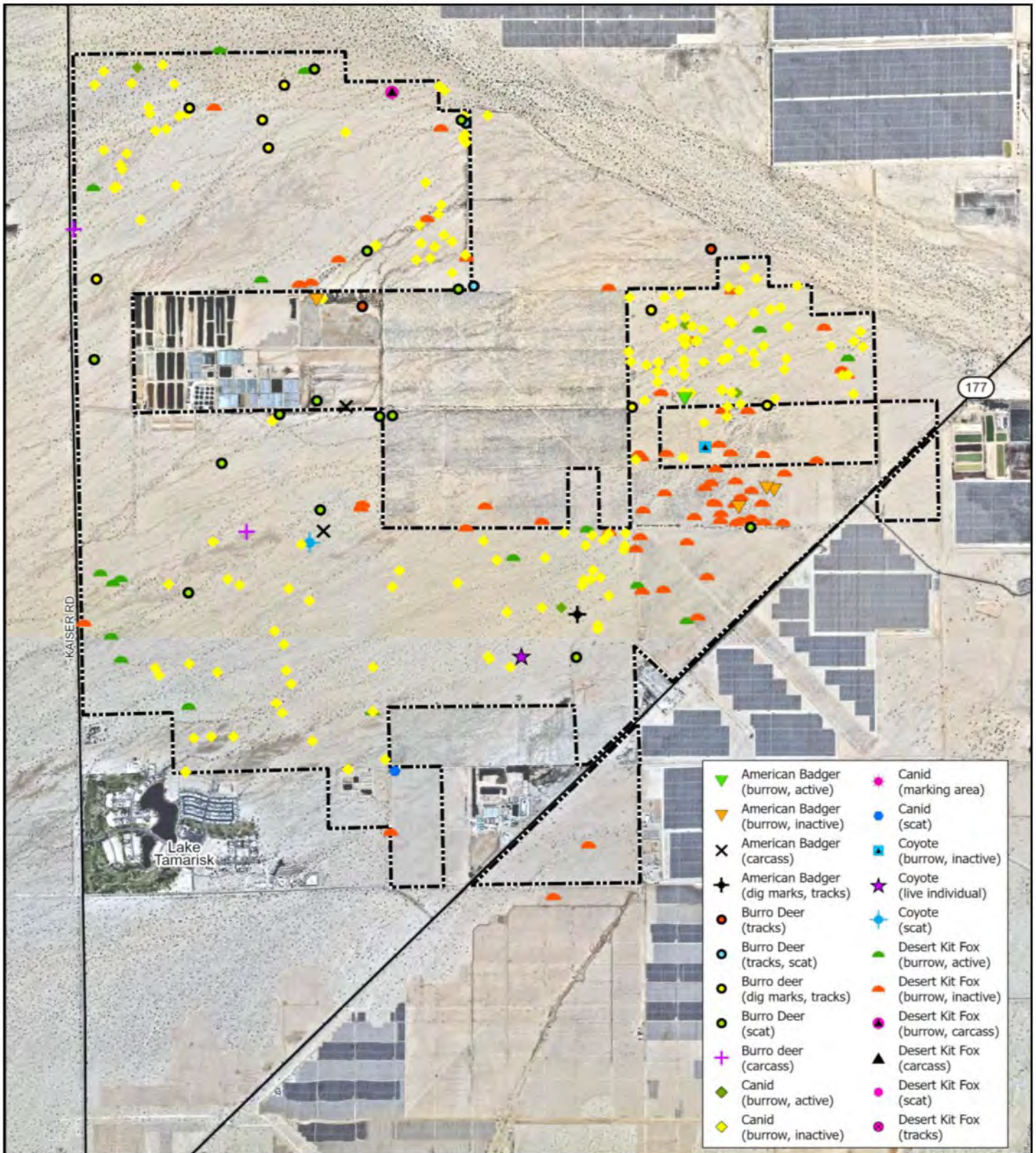



Source: Ironwood, 2023a.



Figure 3.5-7

Special-status Birds, Golden Eagle



 Easley Renewable Energy Project Boundary

Source: Ironwood, 2023a.

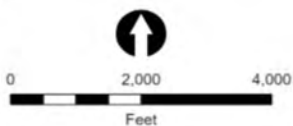
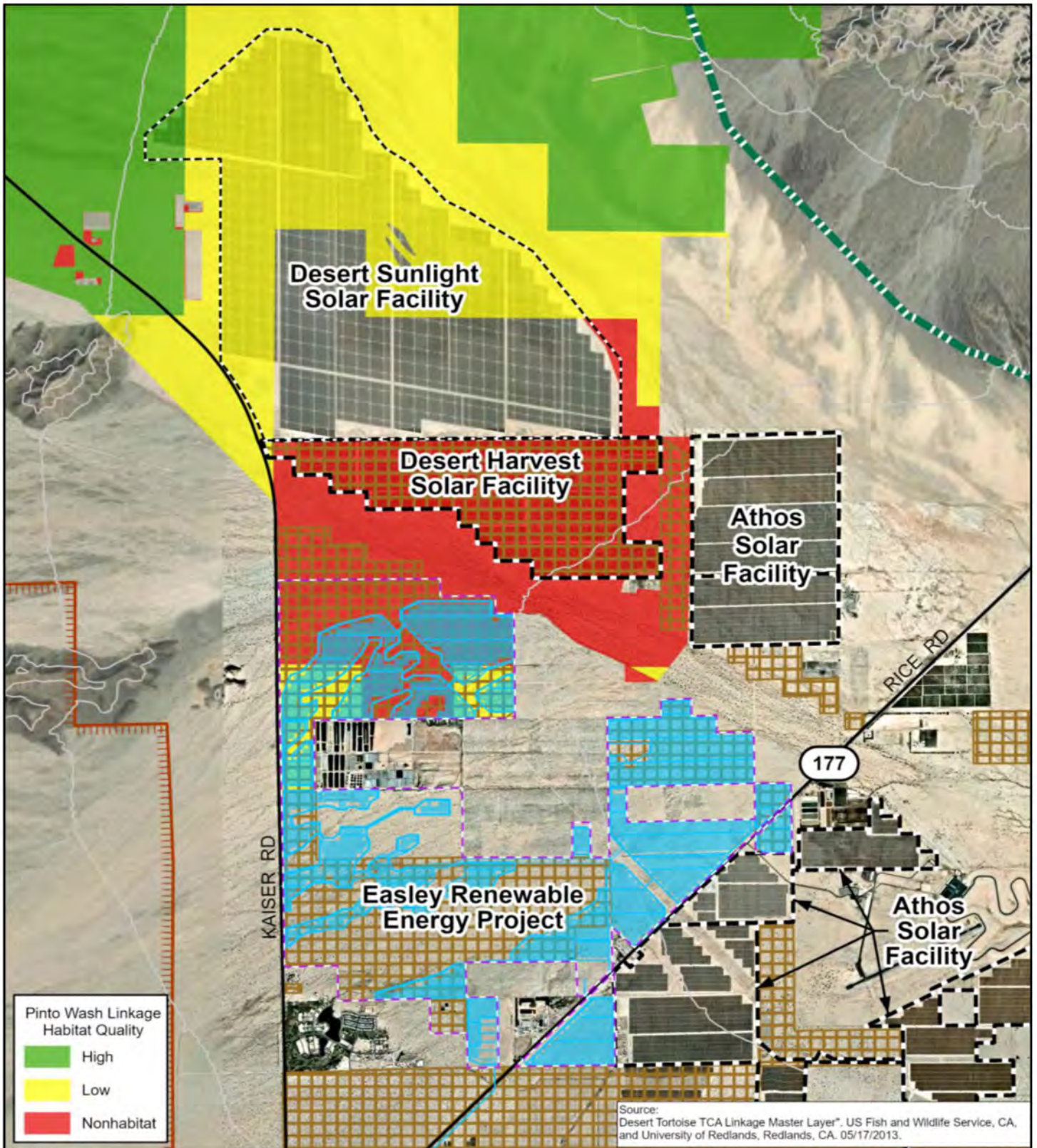


Figure 3.5-8

Special-status Mammals



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

Source: Ironwood, 2023a.

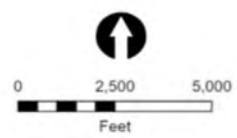
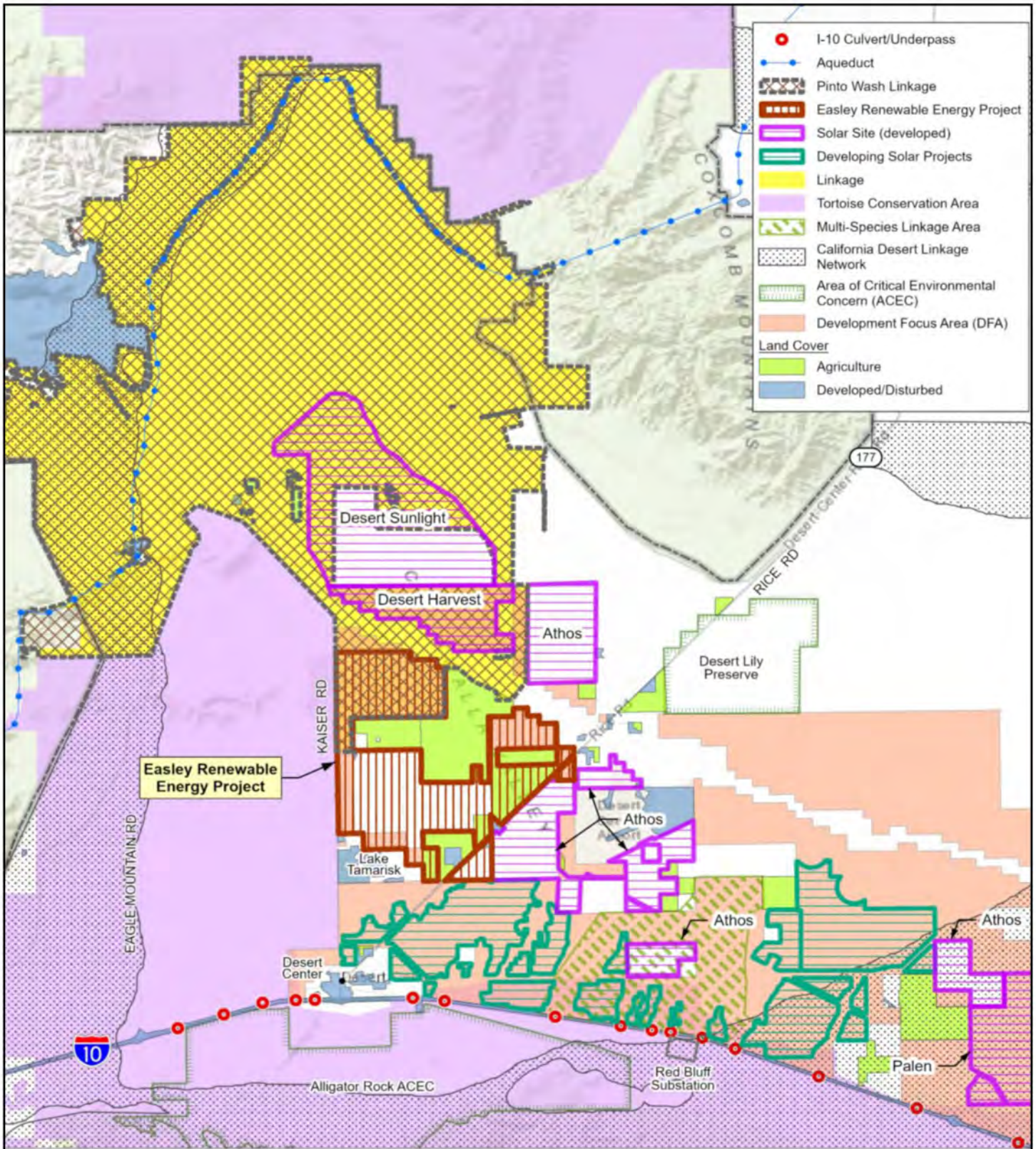


Figure 3.5-9
Impacts to
Pinto Wash Linkage

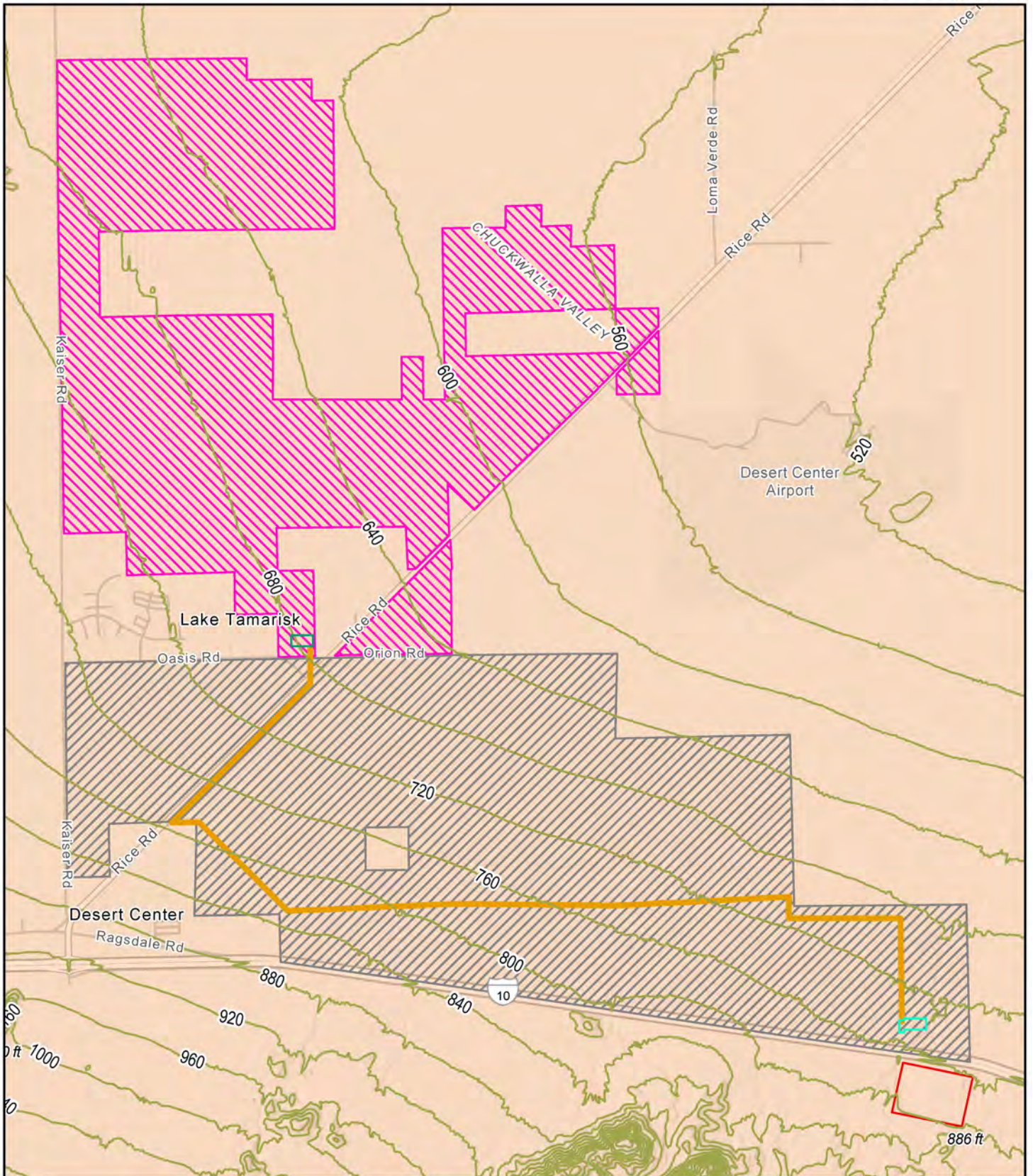





Source: Ironwood, 2023a.








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

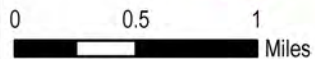
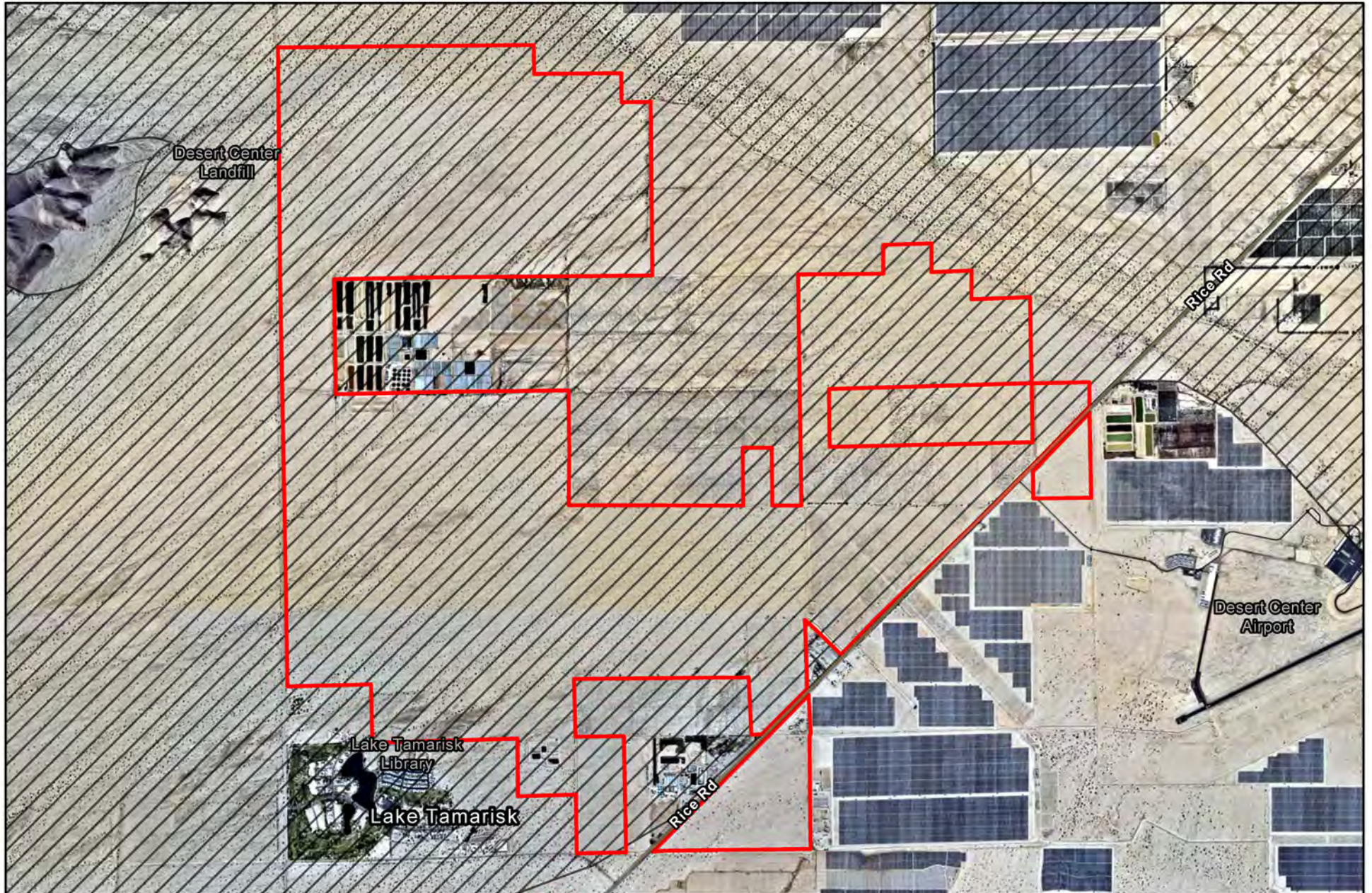


Figure 3.11-1

Topography

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





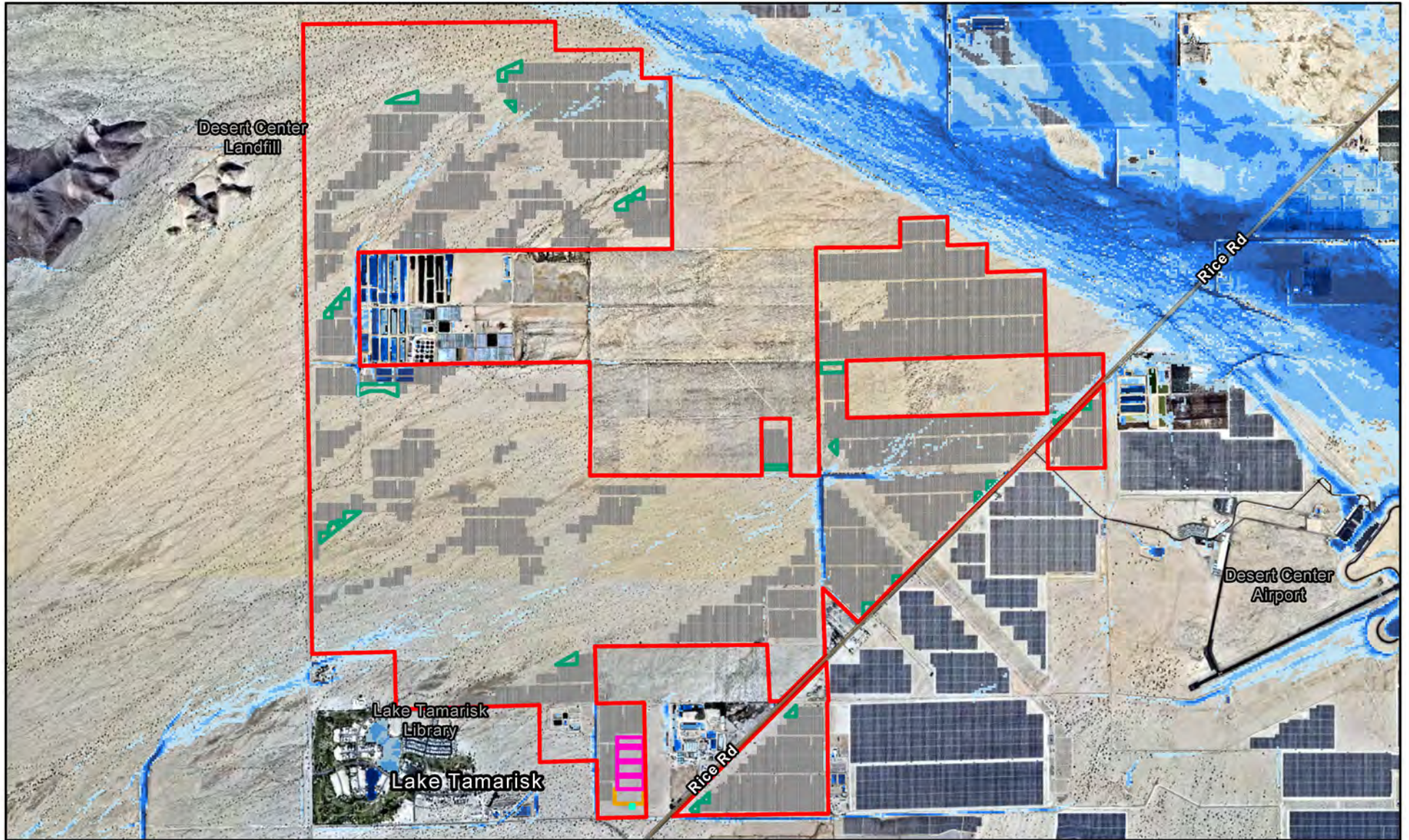
 Easley Project Boundary
 DWR Awareness Zone

Figure 3.11-2

DWR Flood Awareness

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



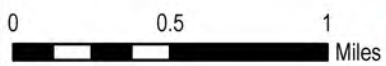
- Easley Project Boundary
- Proposed Solar Panel Array
- Proposed Substation
- Proposed BESS
- Proposed Laydown Yard
- Proposed Operations and Maintenance Facility

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

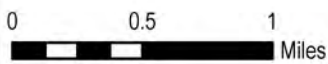
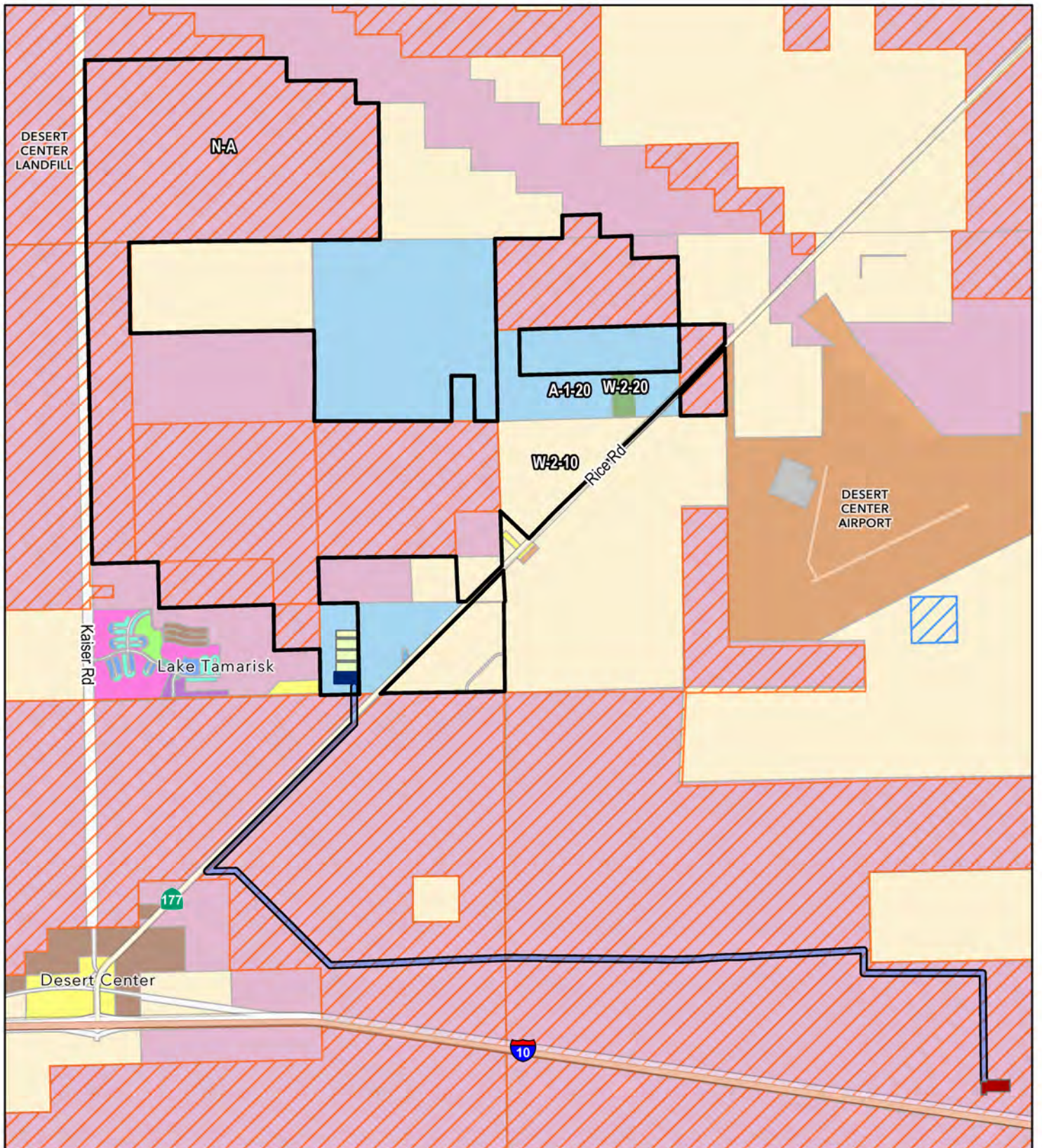
 1.00 - 1.50	 2.51 - 3.00
 1.51 - 2.00	 3.01 - 16.00
 2.01 - 2.50	

Figure 3.11-3

100-Year Max Flow Depth



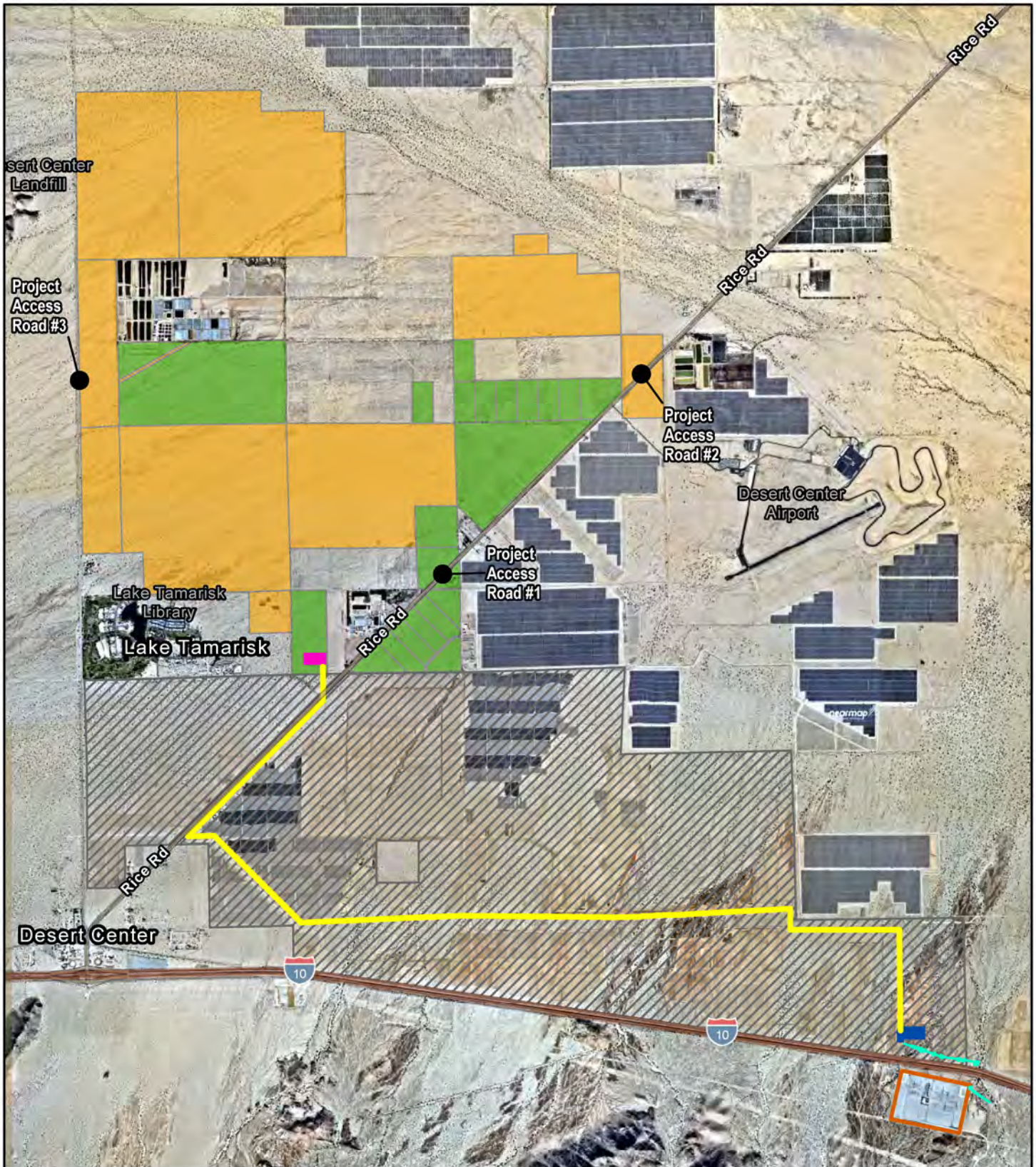
Sources: Esri, 2023; Intersect Power, 2023.



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
Land Ownership	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.



- 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 3.18-1

Easley Project Access

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 | |

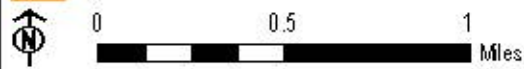


Figure 4-1A

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

Sources: Esri, 2024; Intersect Power, 2024.

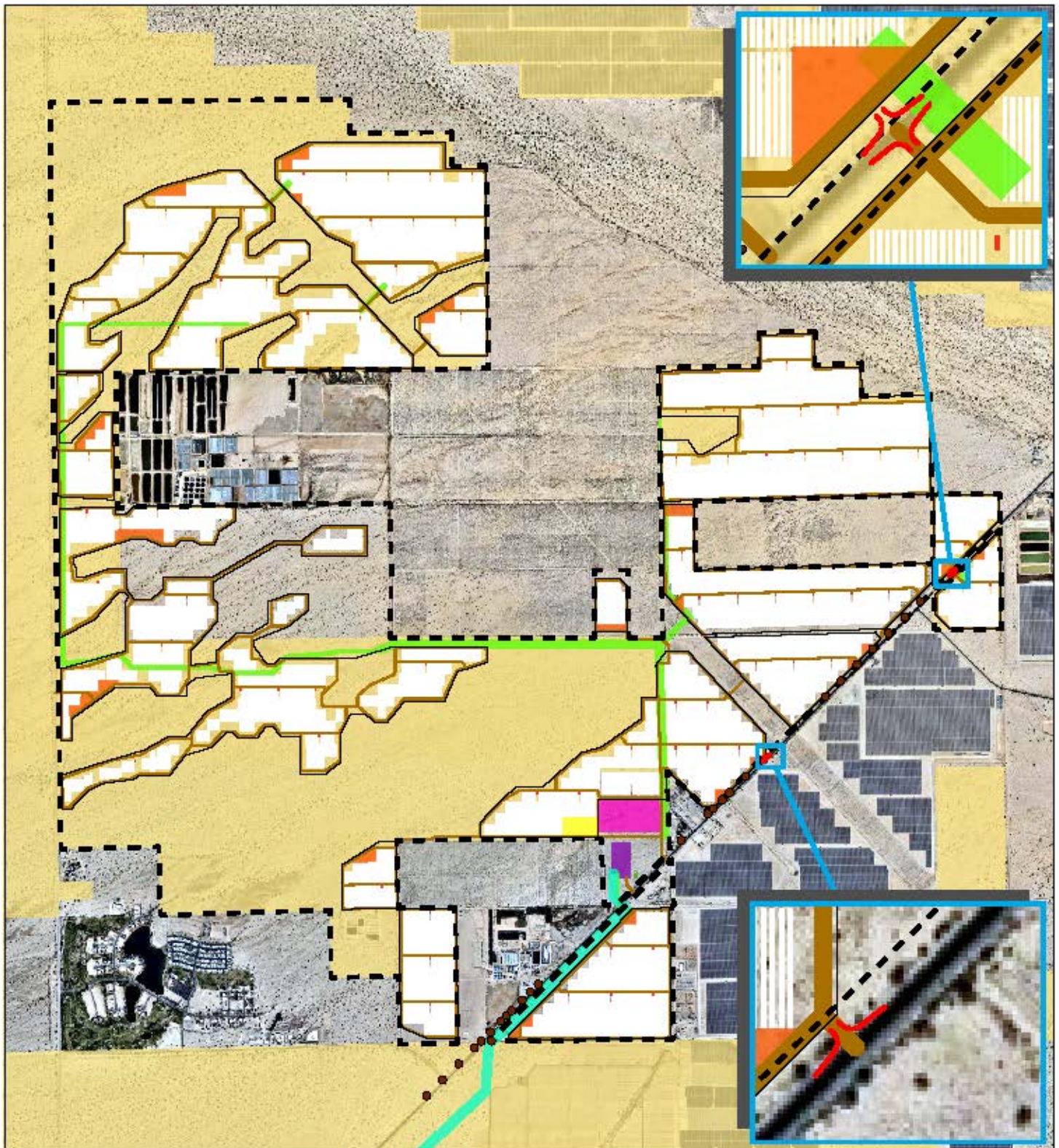
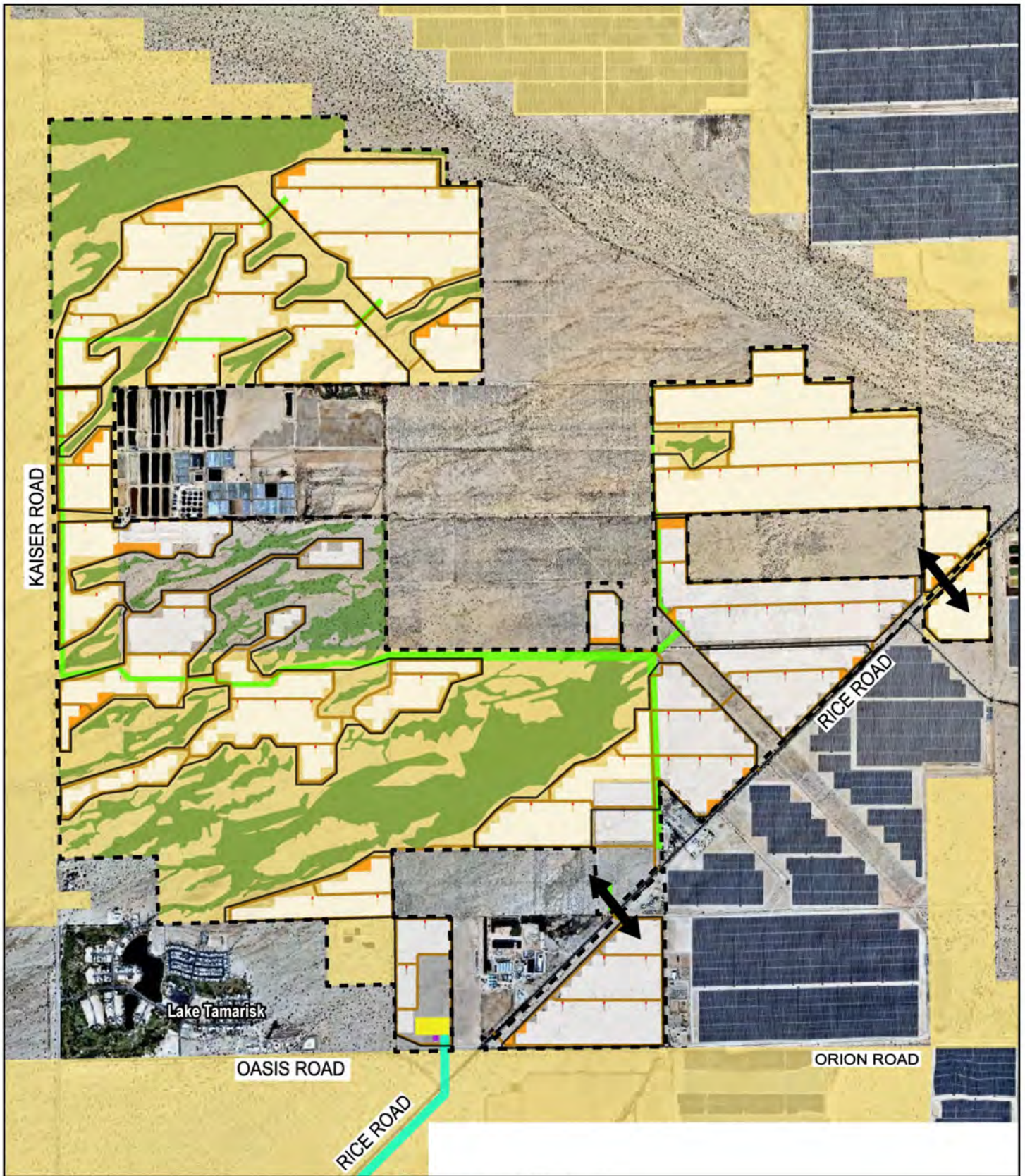


Figure 4-1B

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

Sources: Esri, 2024; Intersect Power, 2024.

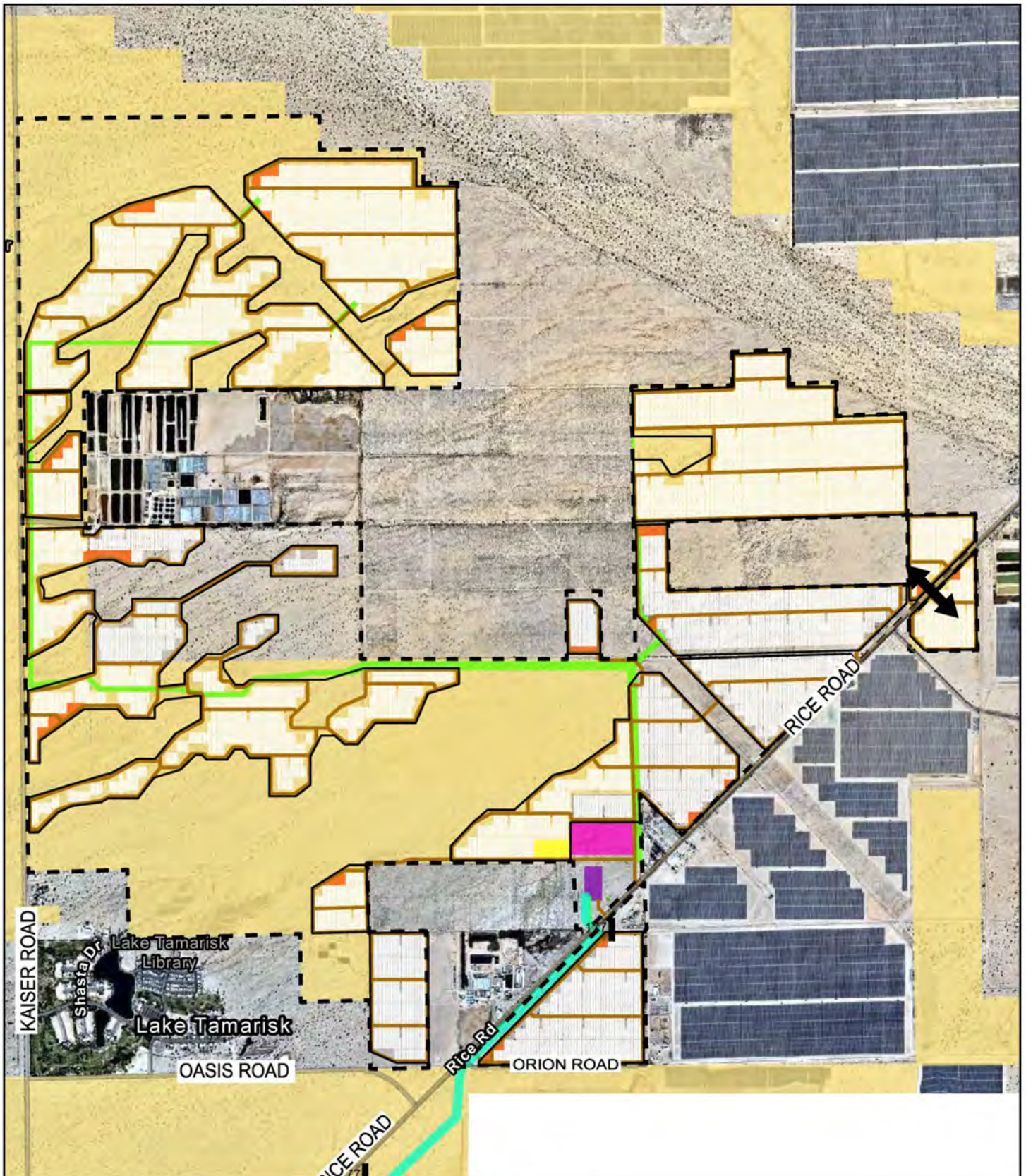


Source: DEA Inc., 2023.

Proposed Project

- | | | |
|-------------------------------------|---|--|
| <p>N</p> <p>NOT TO SCALE</p> | <ul style="list-style-type: none"> Easley Renewable Energy Project Boundary Fence Gen-tie Corridor Access Roads O & M Facility Laydown Yard | <ul style="list-style-type: none"> 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



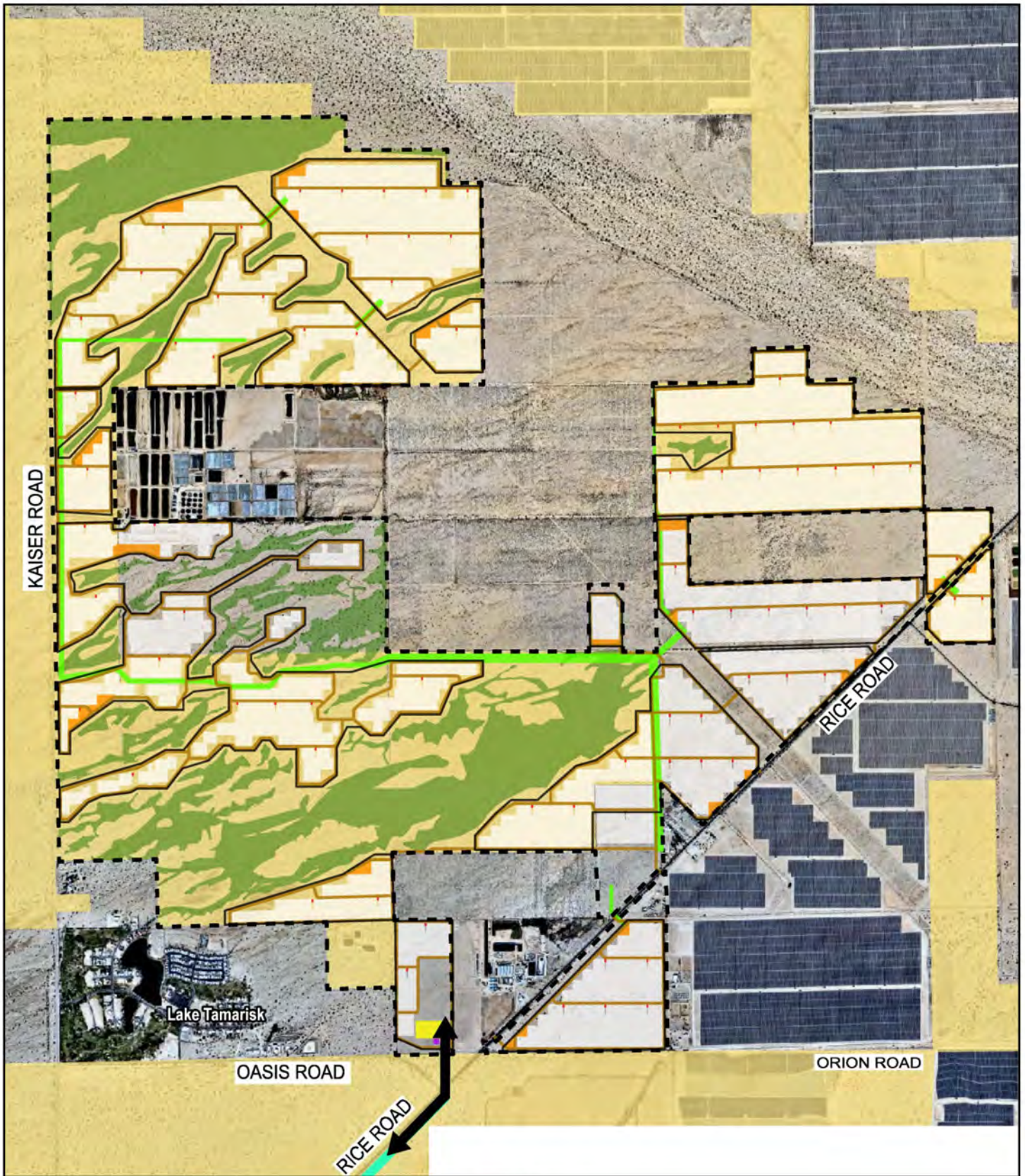
Source: DEA Inc., 2023.

Alternative 2, Lake Tamarisk

- | | |
|--|---|
| <ul style="list-style-type: none"> Easley Renewable Energy Project Boundary Fence Gen-tie Corridor Access Roads O & M Facility Laydown Yard Power Conversion Station (inverter) UNDERGROUND/OVERHEAD UTILITY CROSSINGS | <ul style="list-style-type: none"> Collection Corridor Solar Panel Array Alternative Substation Option 1 Alternative Substation Option 2 Alternative BESS Bureau of Land Management |
|--|---|

Figure 4-2B

Alternative 2
Medium Voltage Line Crossing



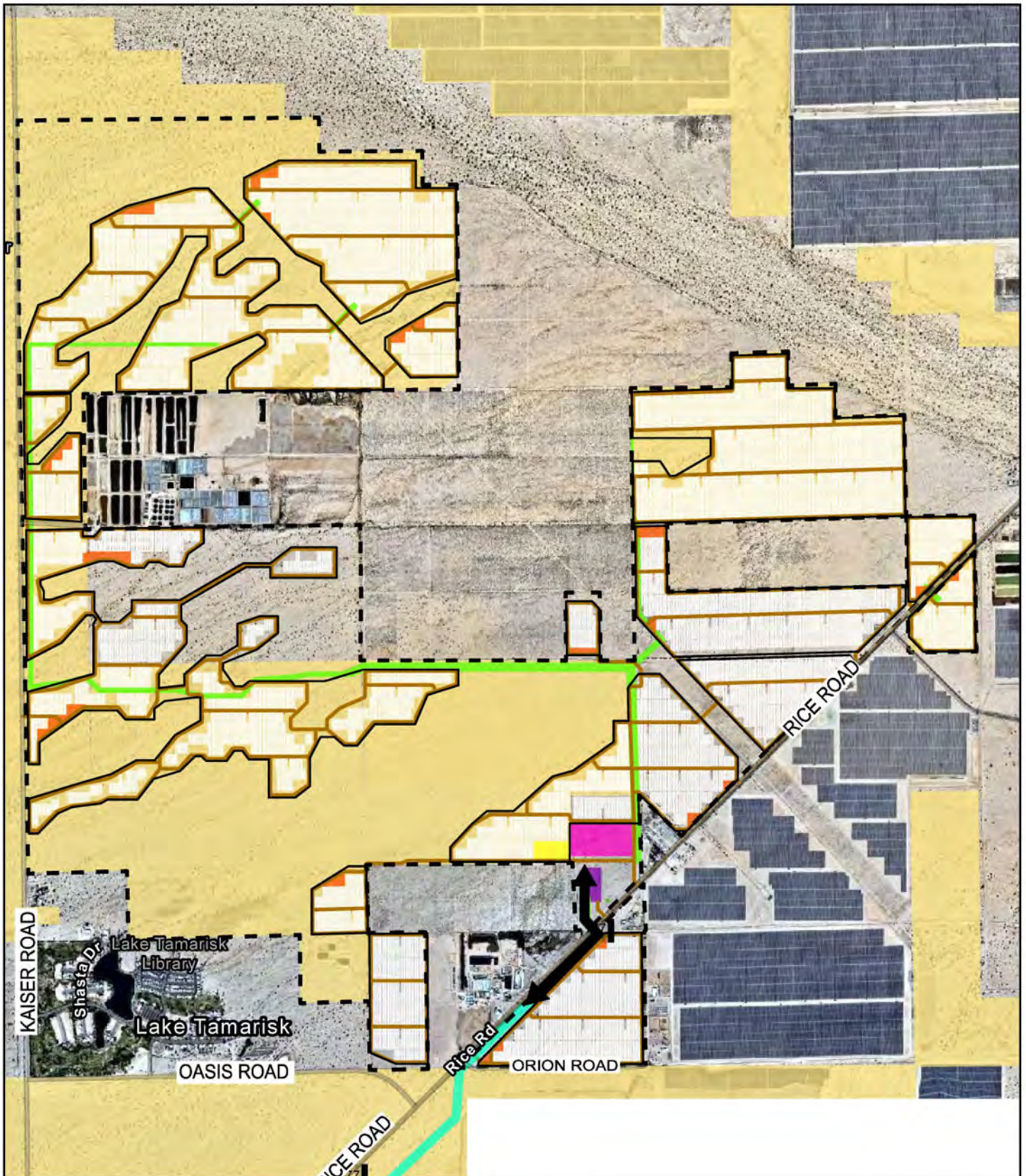
Source: DEA Inc., 2023.

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

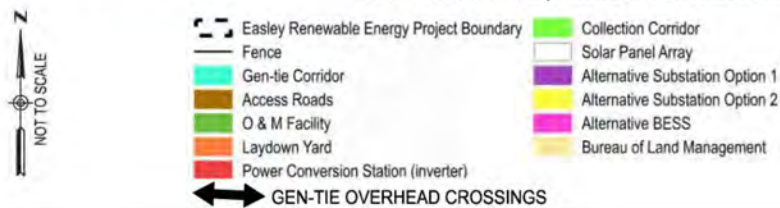
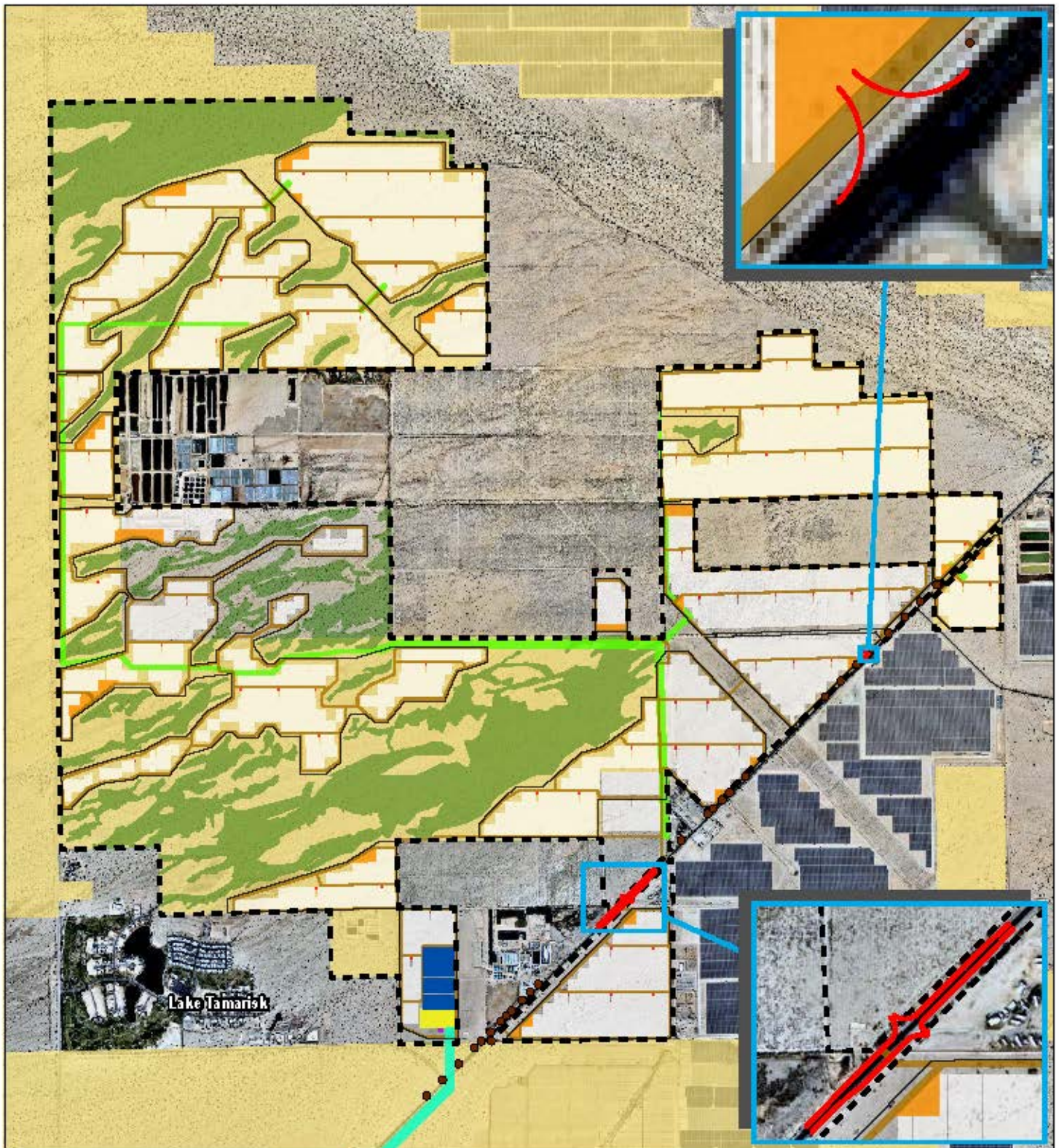


Figure 4-3B
Alternative 2
Gen-tie Crossing



- | | |
|--|---------------------------|
| 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 | |

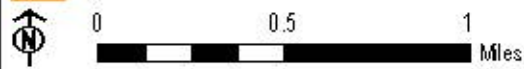


Figure 4-4A

**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 | |

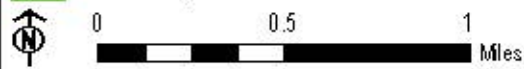
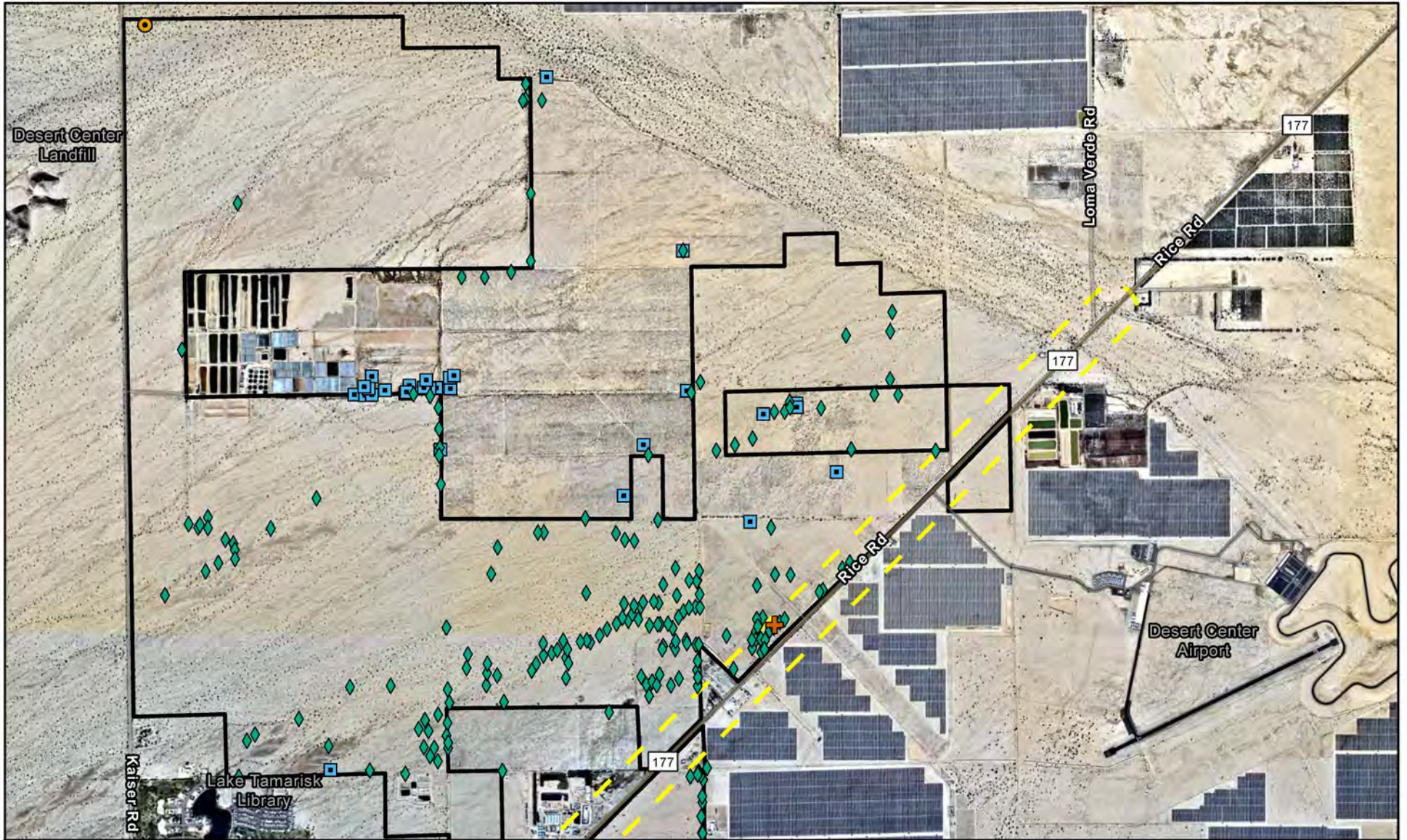




Figure 4-4B

**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






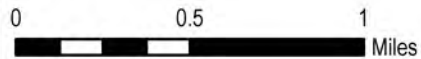
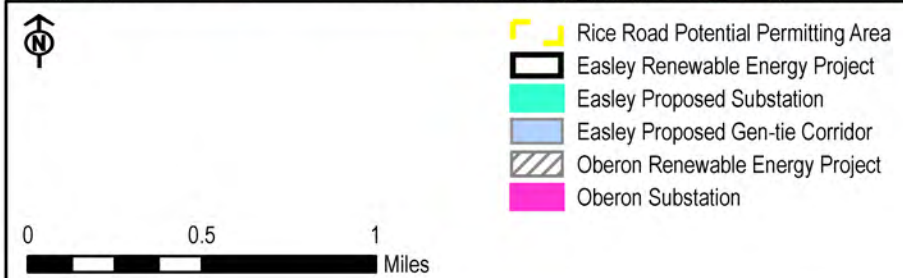
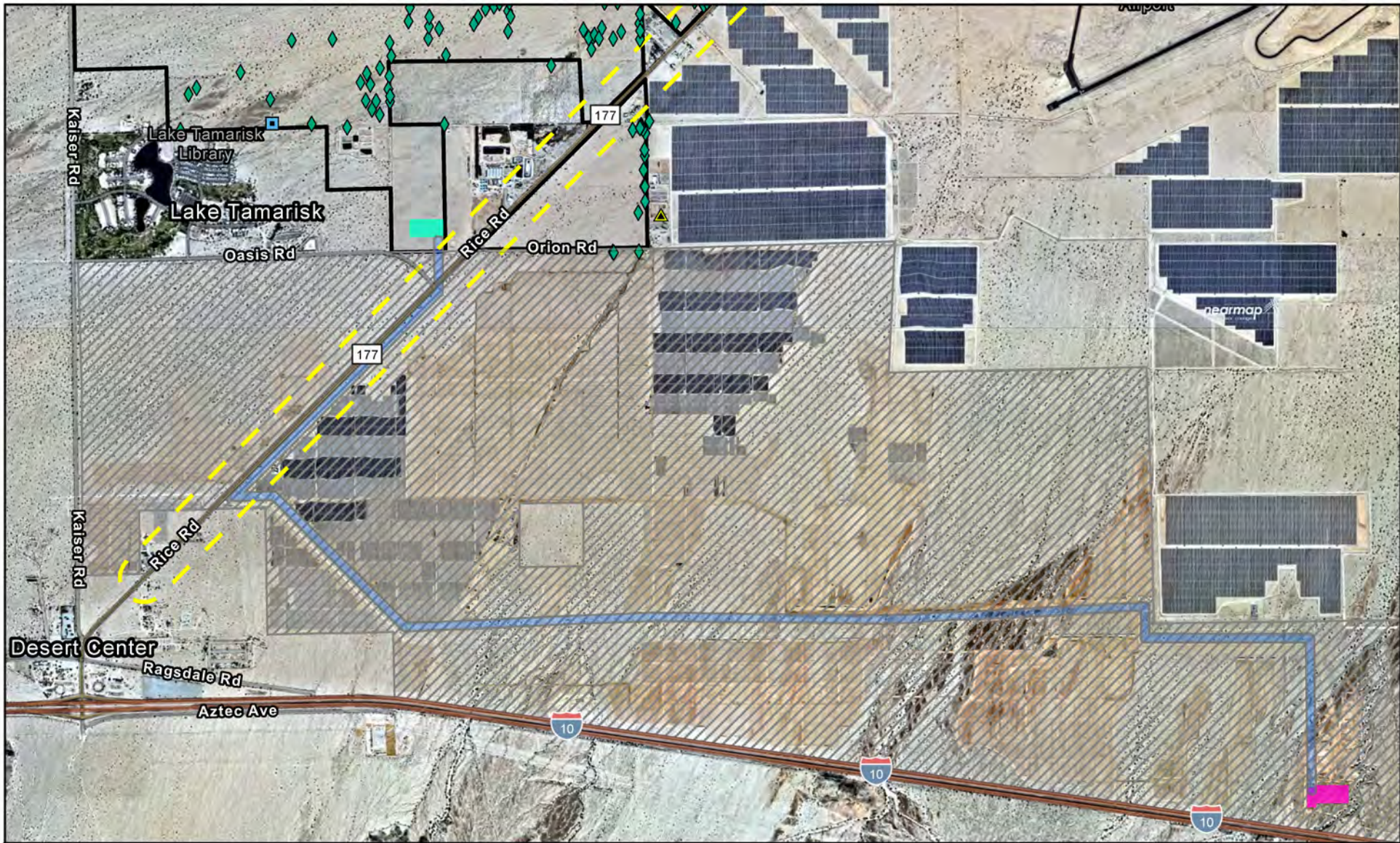
-  *Castela emoryi* (Emory's crucifixion thorn)
-  *Funastrum utahense* (Utah vine milkweed)
-  *Ditaxis serrata* var. *californica* (California ditaxis)
-  *Proboscidea althaeifolia* (Desert unicorn plant)
-  *Tamarix* sp. (Tamarisk)

Figure 4-5A

Special-Status Plants



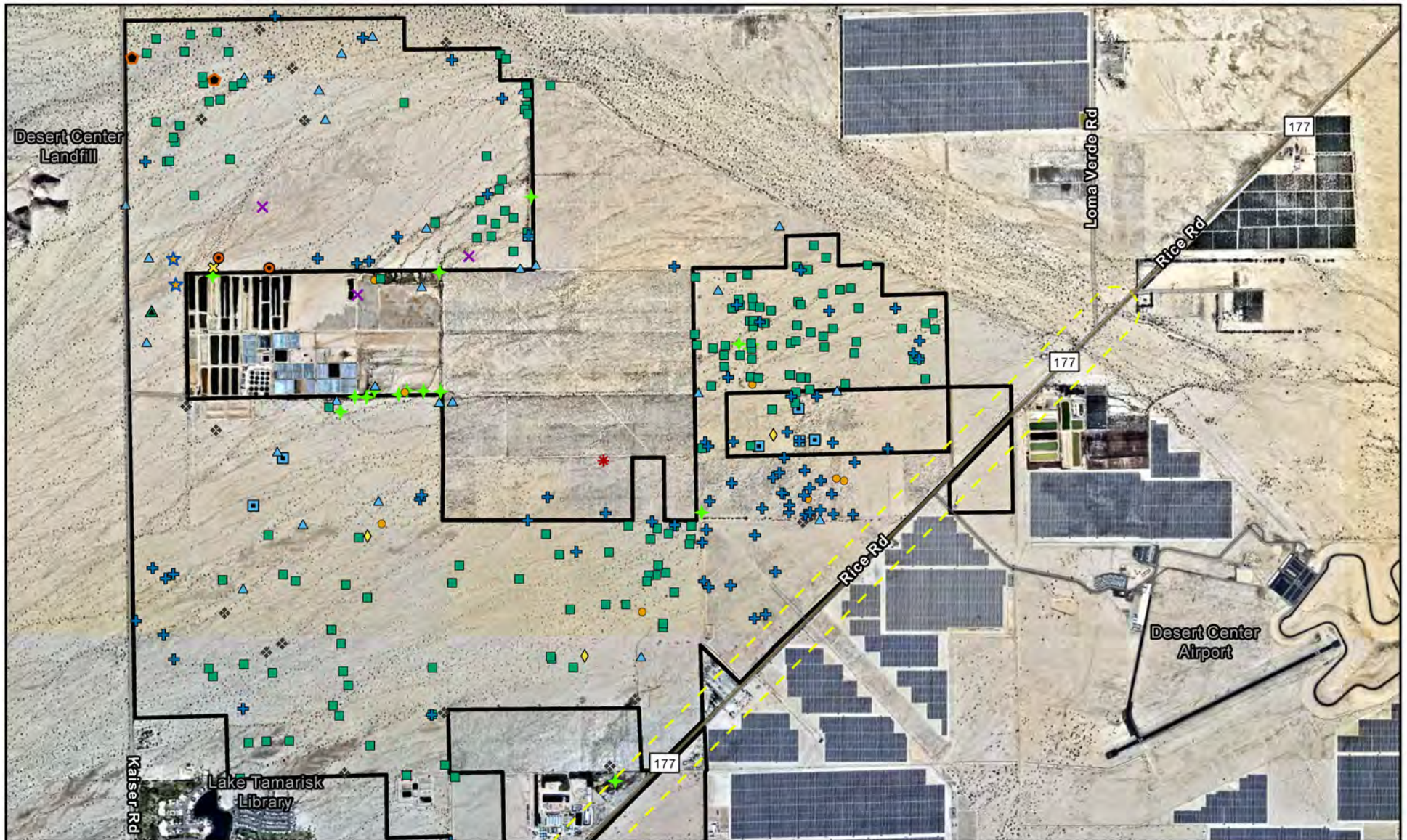


- - - Rice Road Potential Permitting Area
- Easley Renewable Energy Project
- Easley Proposed Substation
- Easley Proposed Gen-tie Corridor
- Oberon Renewable Energy Project
- Oberon Substation

- 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	<u>Special-Status Wildlife</u>		Figure 4-6A Special-Status Wildlife
	Rice Road Potential Permitting Area	American badger Burro deer Canid Coyote Desert Kit Fox	American white pelican Burrowing Owl Common raven Double-crested cormorant Gila Woodpecker	
		Sources: Esri, 2023; Intersect Power, 2023; Ironwood, 2023; NearMap, 2023.		

