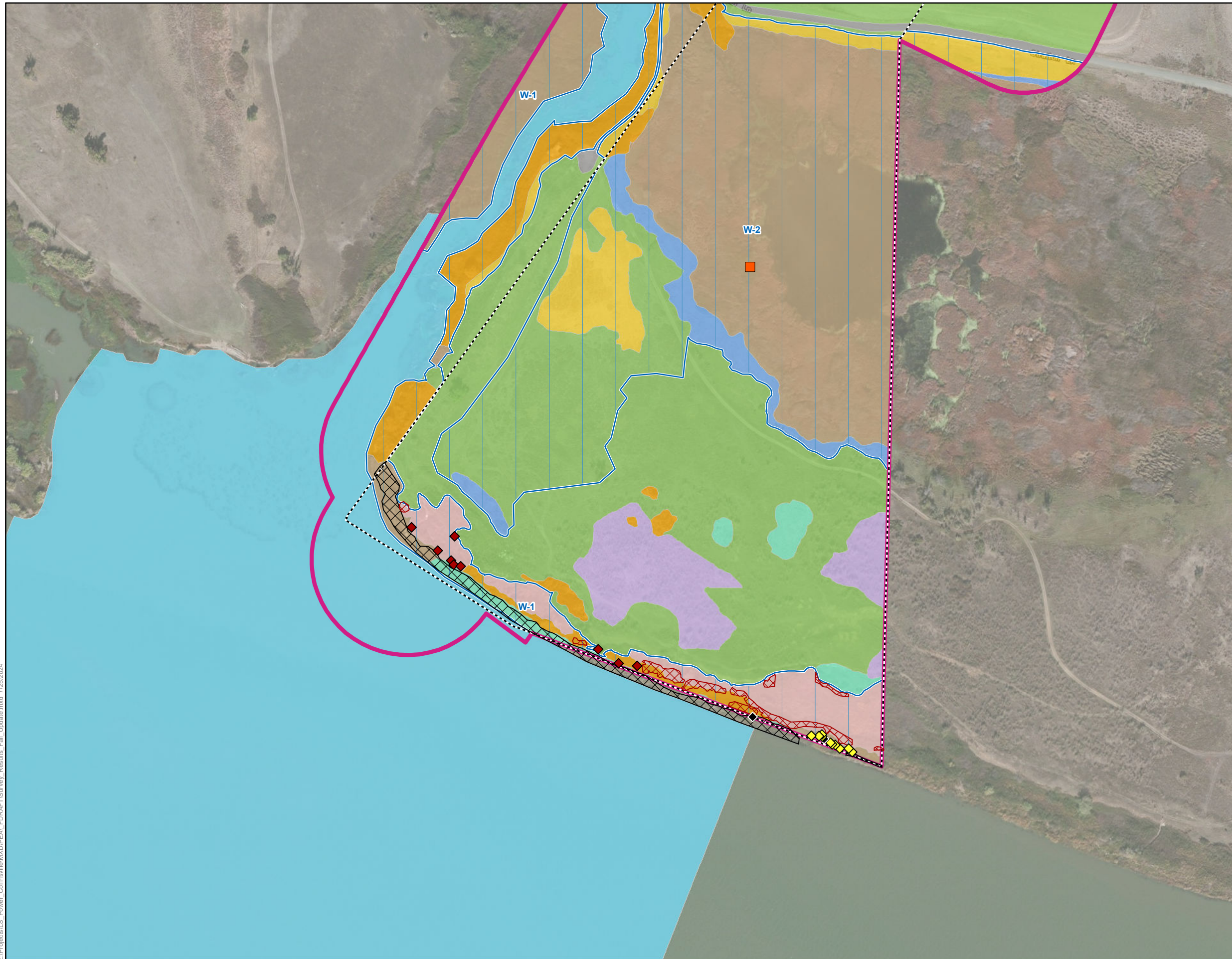


**ATTACHMENT 5.4-C: VEGETATION COMMUNITIES AND LAND COVER TYPES**



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 1 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**



Original Botanical Survey Area

Terrestrial Survey Area

Potential Wetland

Northern Harrier Nest

**Rare Plant**

Delta tule pea

Mason's lilaepsis

Welsh mudwort

Delta tule pea

Mason's lilaepsis

**Vegetation Community**

*Distichlis spicata* Herbaceous Alliance

*Frankenia salina* Herbaceous Alliance

*Juncus arcticus* (var. *balticus*,  
*mexicanus*) Herbaceous Alliance

*Lolium perenne* Herbaceous Semi-  
Natural Alliance

*Rosa californica* Shrubland Alliance

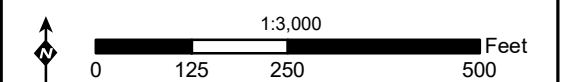
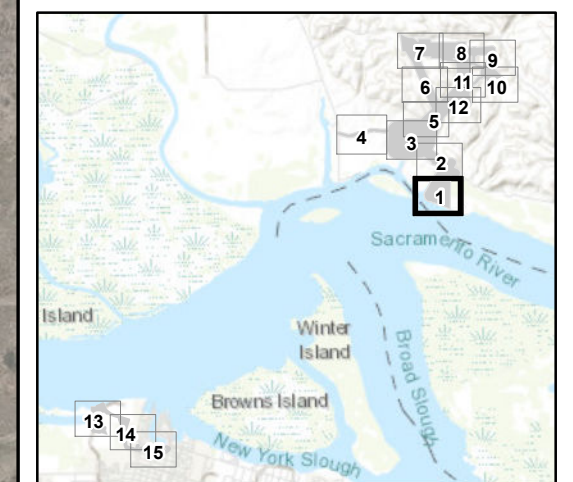
*Salix exigua* Shrubland Alliance

*Schoenoplectus (acutus, californicus)*  
Herbaceous Alliance

*Schoenoplectus acutus/rosa californica*  
Association

Road/Bare Ground

Open Water



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 2 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

Original Botanical Survey Area

Terrestrial Survey Area

Potential Wetland

**Vegetation Community**

*Brassica nigra - Centaurea (solstitialis, melitensis)* Herbaceous Semi-Natural Alliance

*Distichlis spicata* Herbaceous Alliance

*Frankenia salina* Herbaceous Alliance

*Lolium perenne* Herbaceous Semi-Natural Alliance

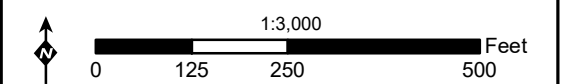
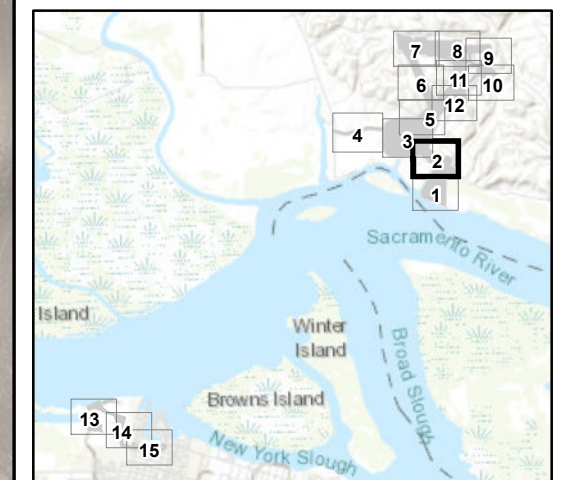
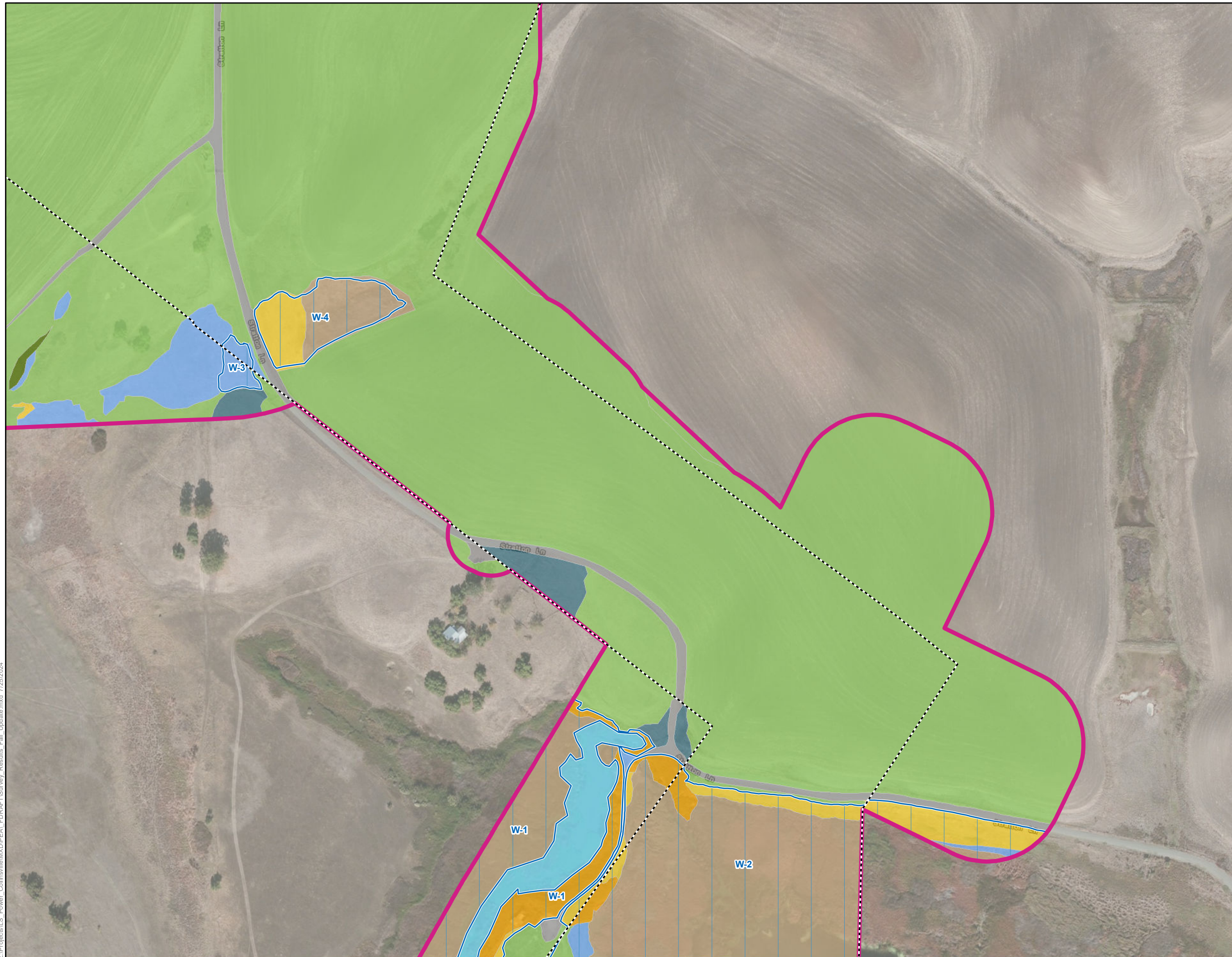
*Polygonum lapathifolium - Xanthium strumarium* Herbaceous Alliance

*Rosa californica* Shrubland Alliance

*Schoenoplectus (acutus, californicus)* Herbaceous Alliance

Road/Bare Ground

Open Water



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 3 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

Original Botanical Survey Area

Terrestrial Survey Area

Potential Wetland

**Vegetation Community**

*Brassica nigra - Centaurea (solstitialis, melitensis)* Herbaceous Semi-Natural Alliance

*Distichlis spicata* Herbaceous Alliance

*Frankenia salina* Herbaceous Alliance

*Lolium perenne* Herbaceous Semi-Natural Alliance

*Polygonum lapathifolium - Xanthium strumarium* Herbaceous Alliance

*Sarcocornia pacifica* Herbaceous Alliance

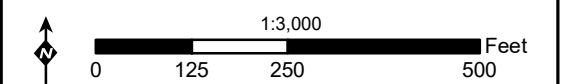
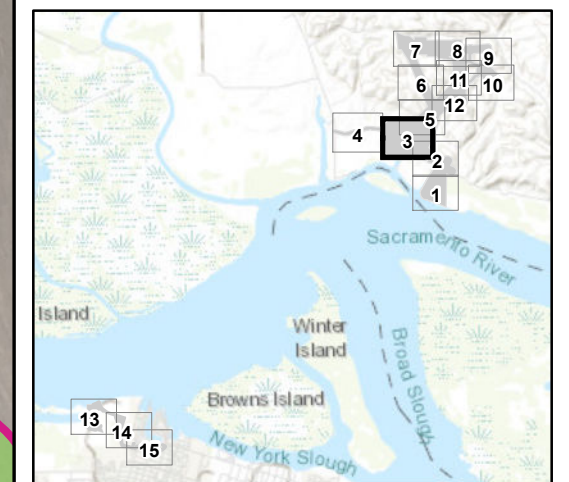
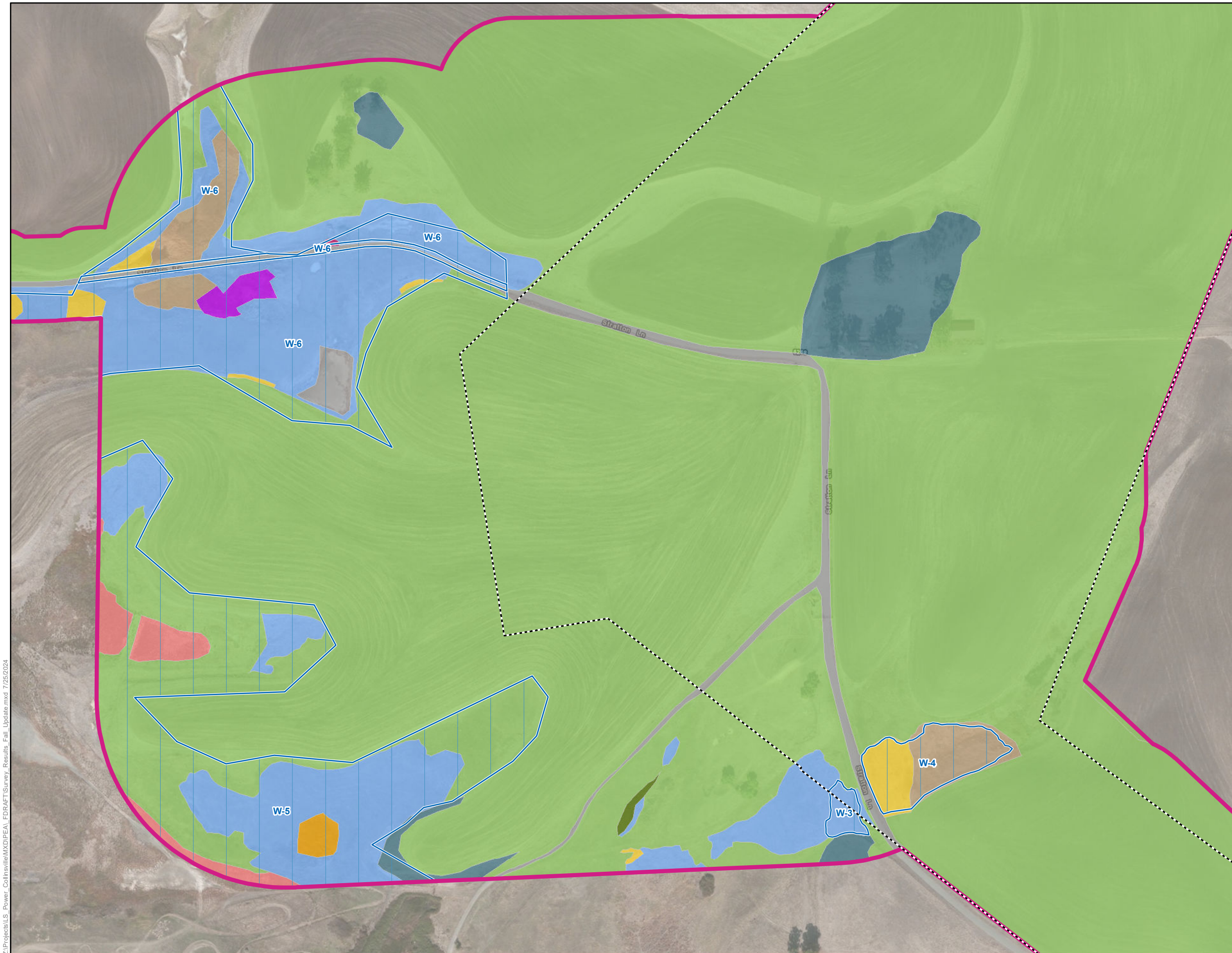
*Rosa californica* Shrubland Alliance

*Schoenoplectus (acutus, californicus)* Herbaceous Alliance

*Schoenoplectus americanus* Herbaceous Alliance

*Typha (angustifolia, domingensis, latifolia)* Herbaceous Alliance

Road/Bare Ground



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 4 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

Terrestrial Survey Area

Potential Wetland

**Vegetation Community**

*Brassica nigra - Centaurea (solstitialis, melitensis)* Herbaceous Semi-Natural Alliance

*Distichlis spicata* Herbaceous Alliance

*Frankenia salina* Herbaceous Alliance

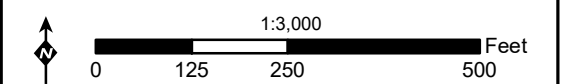
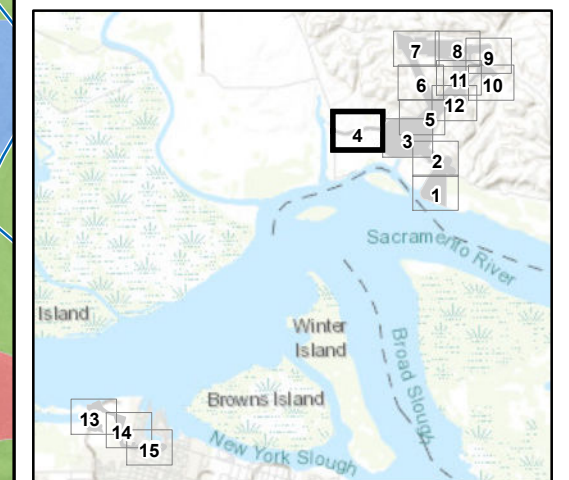
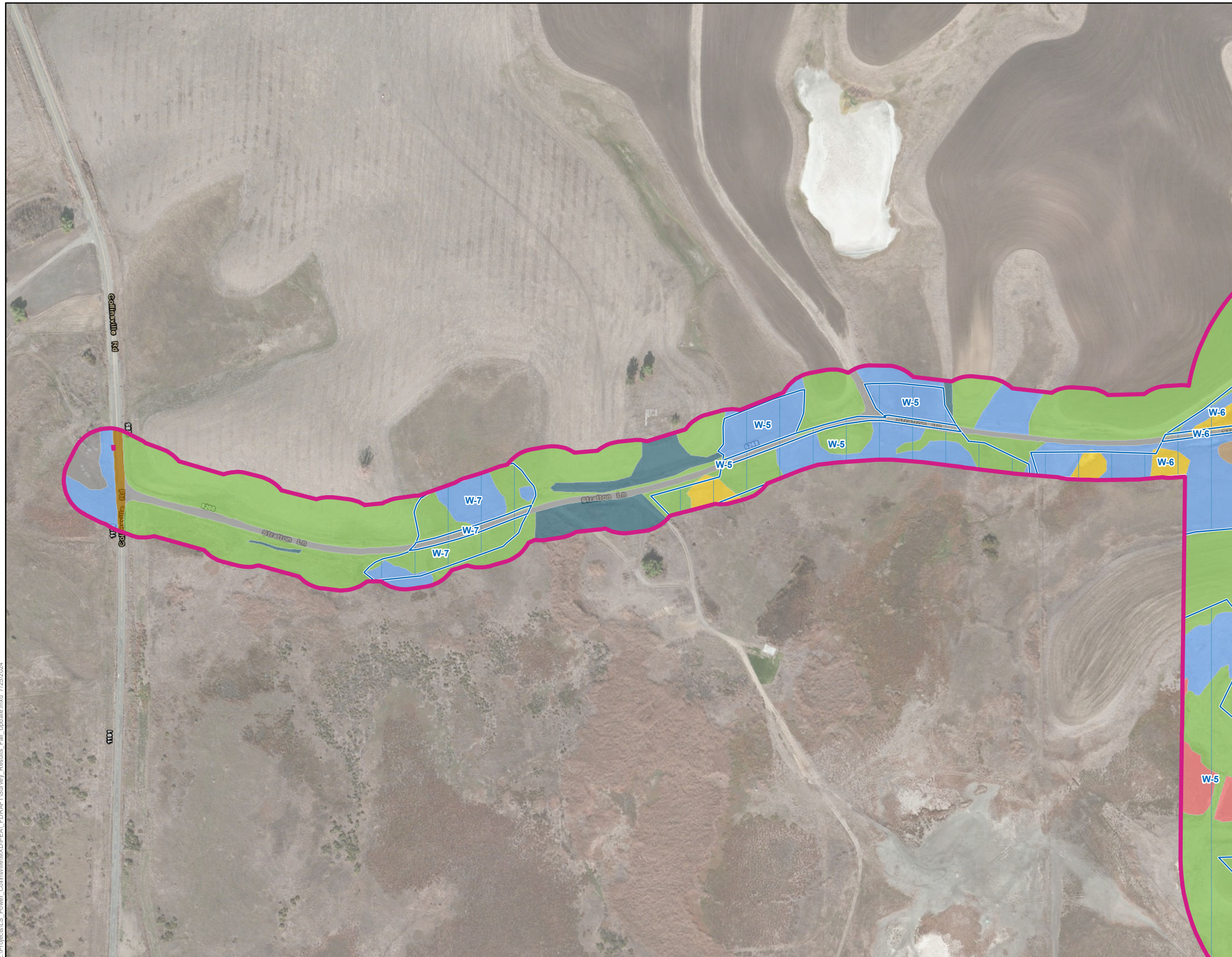
*Lolium perenne* Herbaceous Semi-Natural Alliance

*Sarcocornia pacifica* Herbaceous Alliance

*Schoenoplectus (acutus, californicus)* Herbaceous Alliance

Road/Bare Ground

Developed



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 5 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

Original Botanical Survey Area

Terrestrial Survey Area

Ephemeral Stream

Potential Wetland

**Vegetation Community**

*Brassica nigra - Centaurea (solstitialis, melitensis)* Herbaceous Semi-Natural Alliance

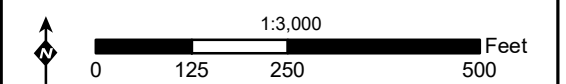
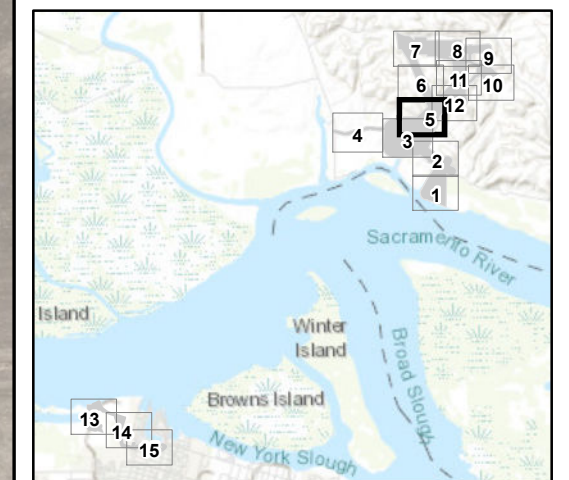
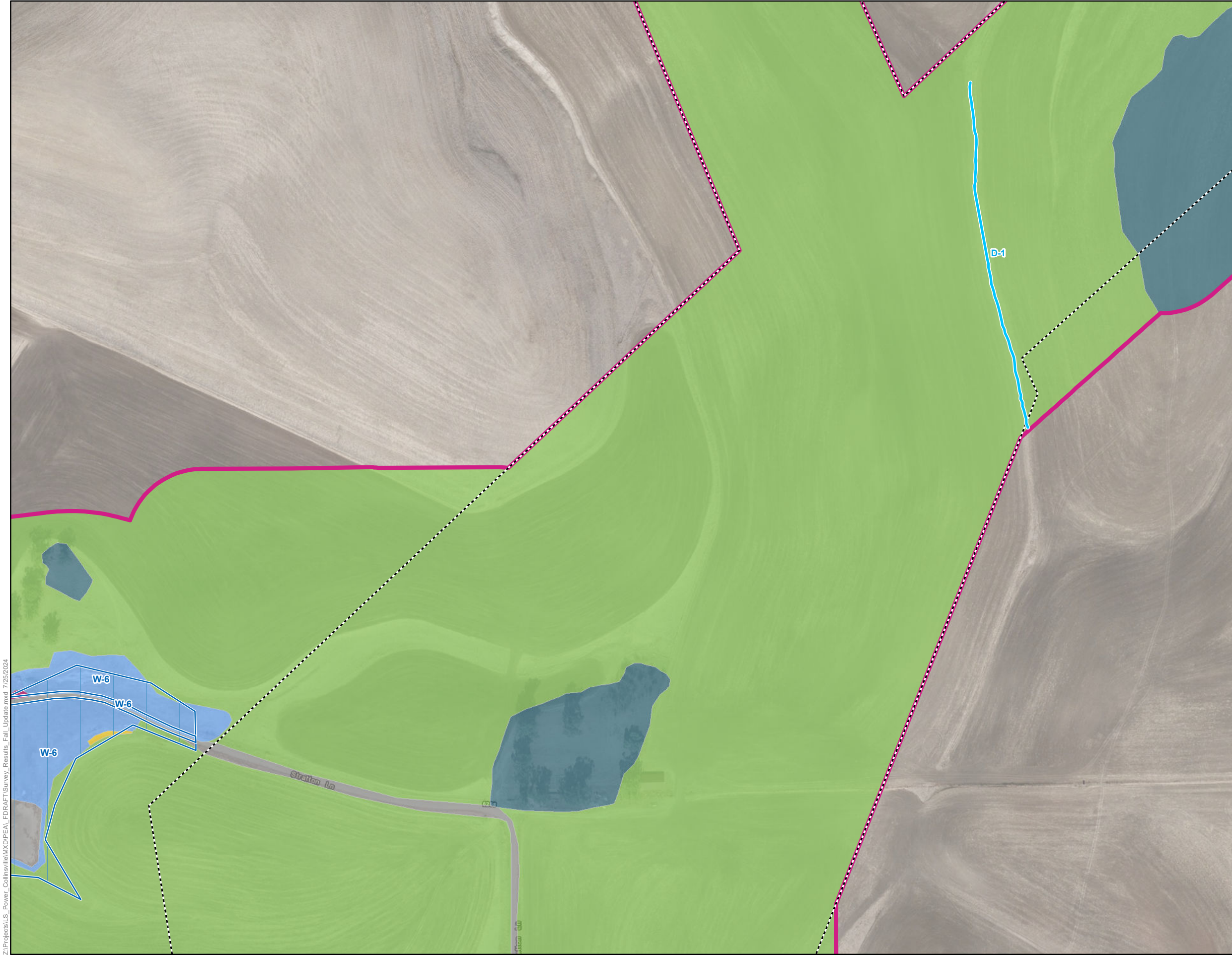
*Distichlis spicata* Herbaceous Alliance

*Frankenia salina* Herbaceous Alliance

*Lolium perenne* Herbaceous Semi-Natural Alliance

*Typha (angustifolia, domingensis, latifolia)* Herbaceous Alliance

Road/Bare Ground



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 6 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

Original Botanical Survey Area

Terrestrial Survey Area

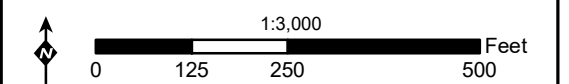
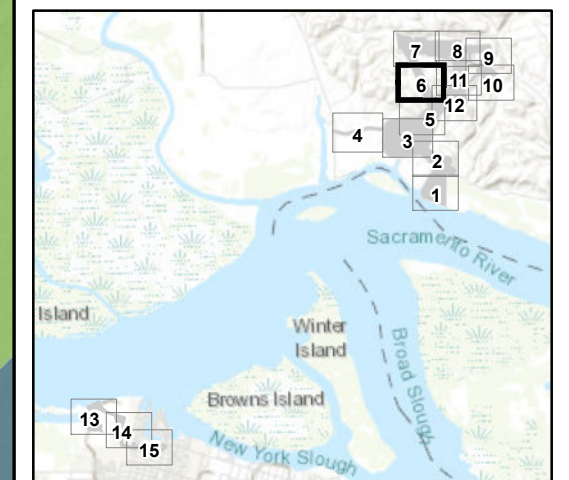
Ephemeral Stream

**Vegetation Community**

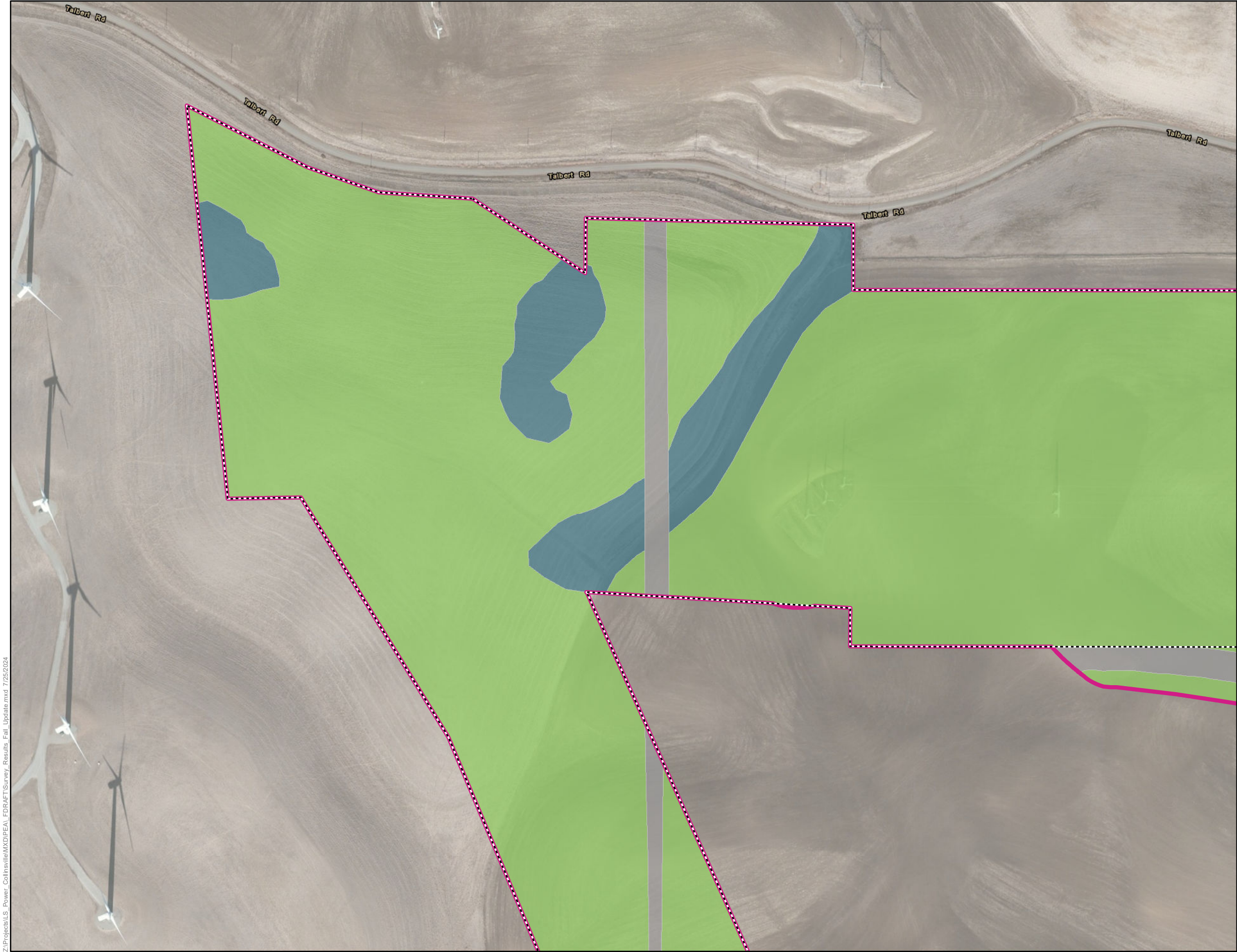
*Brassica nigra* - *Centaurea (solstitialis, melitensis)* Herbaceous Semi-Natural Alliance

*Lolium perenne* Herbaceous Semi-Natural Alliance

Road/Bare Ground







**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 7 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

--- Original Botanical Survey Area

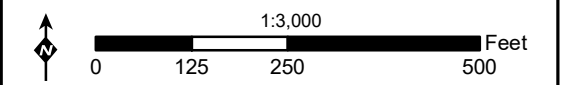
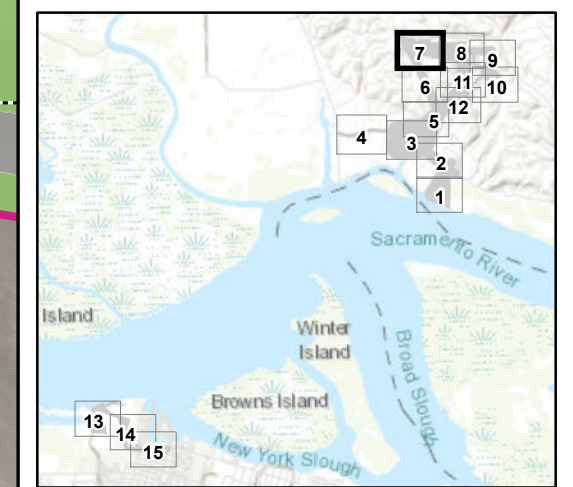
--- Terrestrial Survey Area

**Vegetation Community**

*Brassica nigra - Centaurea (solstitialis, melitensis)* Herbaceous Semi-Natural Alliance

*Lolium perenne* Herbaceous Semi-Natural Alliance

Road/Bare Ground



Z:\Projects\LS\_Power\_Collinsville\MXD\PEA\FDRAFT\Survey\_Results\_Fall\_Update.mxd 7/25/2024

**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 8 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

Original Botanical Survey Area

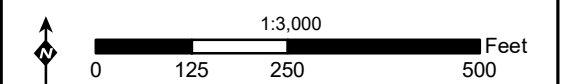
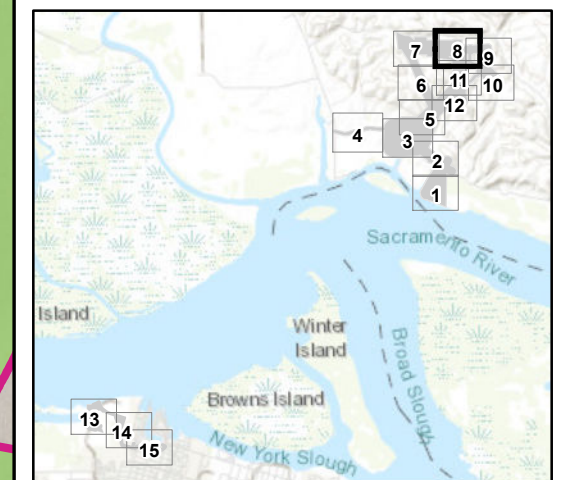
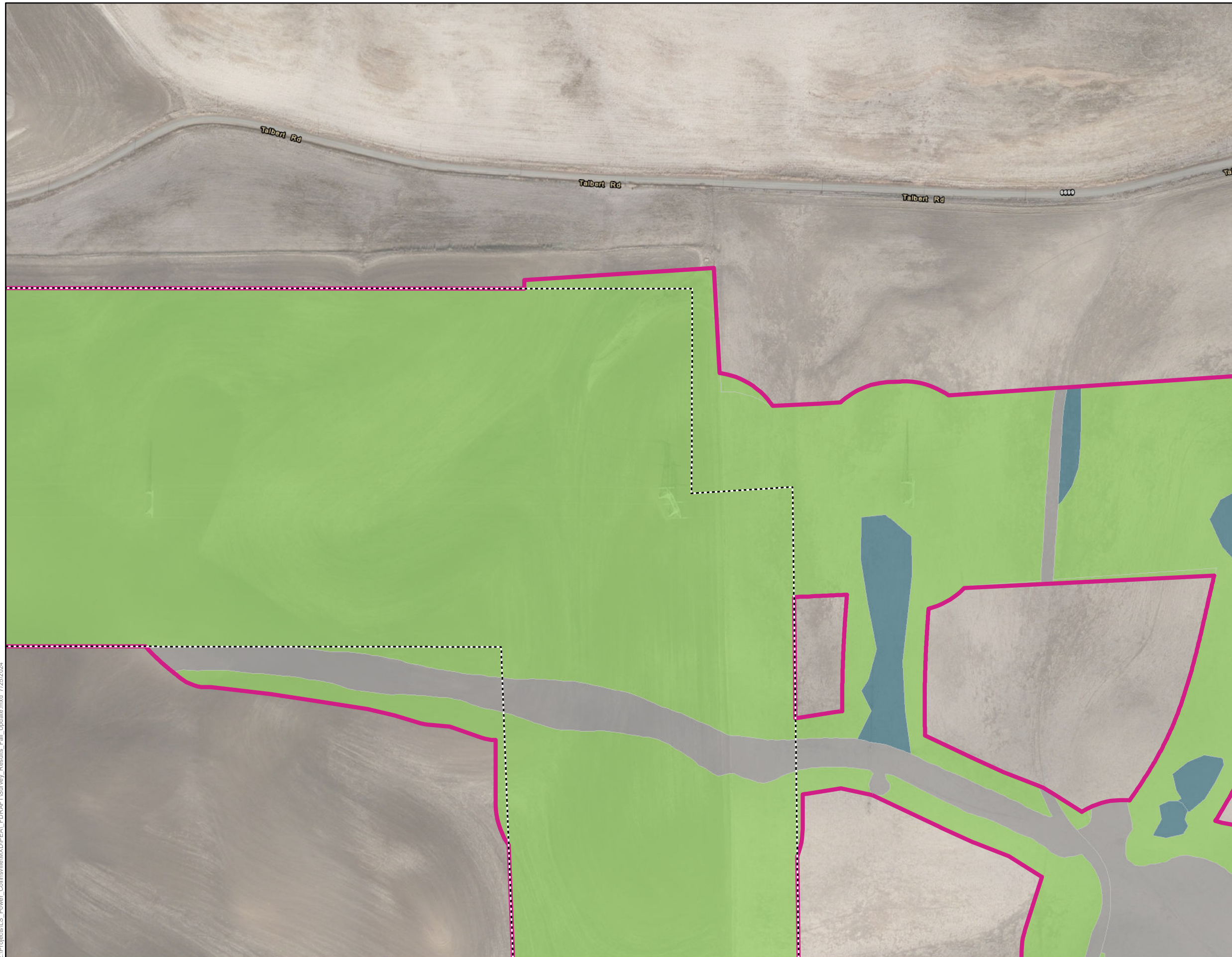
Terrestrial Survey Area

**Vegetation Community**

*Brassica nigra* - *Centaurea (solstitialis, melitensis)* Herbaceous Semi-Natural Alliance

*Lolium perenne* Herbaceous Semi-Natural Alliance

Road/Bare Ground



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 9 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

Original Botanical Survey Area

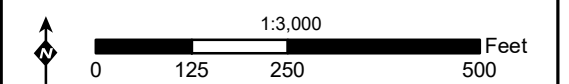
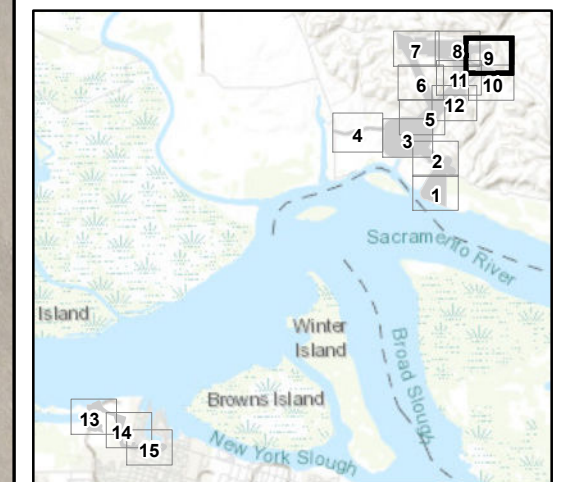
Terrestrial Survey Area

**Vegetation Community**

*Brassica nigra* - *Centaurea (solstitialis, melitensis)* Herbaceous Semi-Natural Alliance

*Lolium perenne* Herbaceous Semi-Natural Alliance

Road/Bare Ground



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 10 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

Original Botanical Survey Area

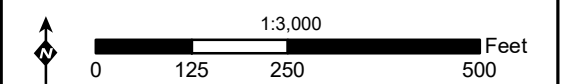
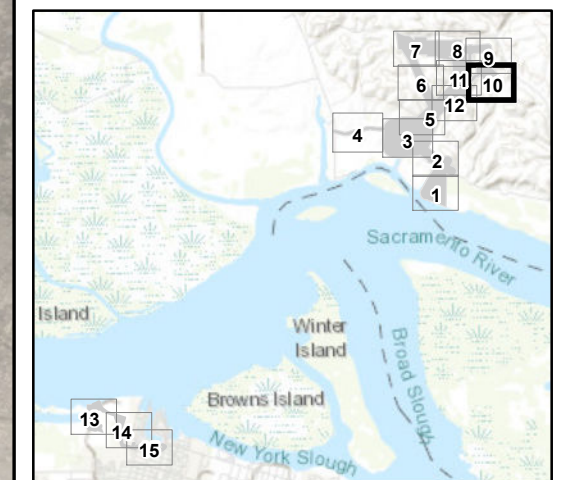
Terrestrial Survey Area

**Vegetation Community**

*Brassica nigra* - *Centaurea (solstitialis, melitensis)* Herbaceous Semi-Natural Alliance

*Lolium perenne* Herbaceous Semi-Natural Alliance

Road/Bare Ground



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 11 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

Original Botanical Survey Area

Terrestrial Survey Area

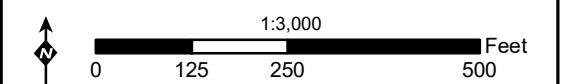
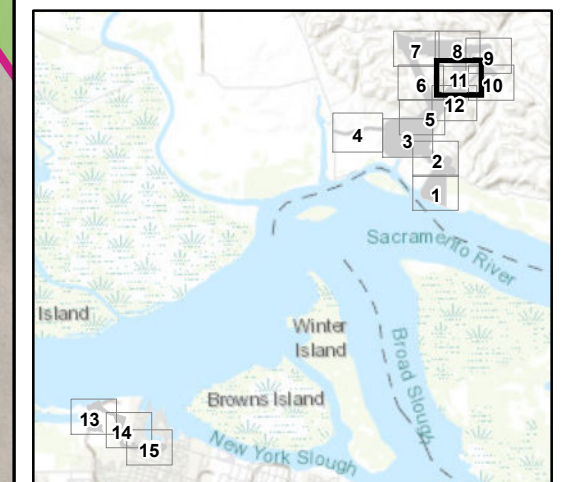
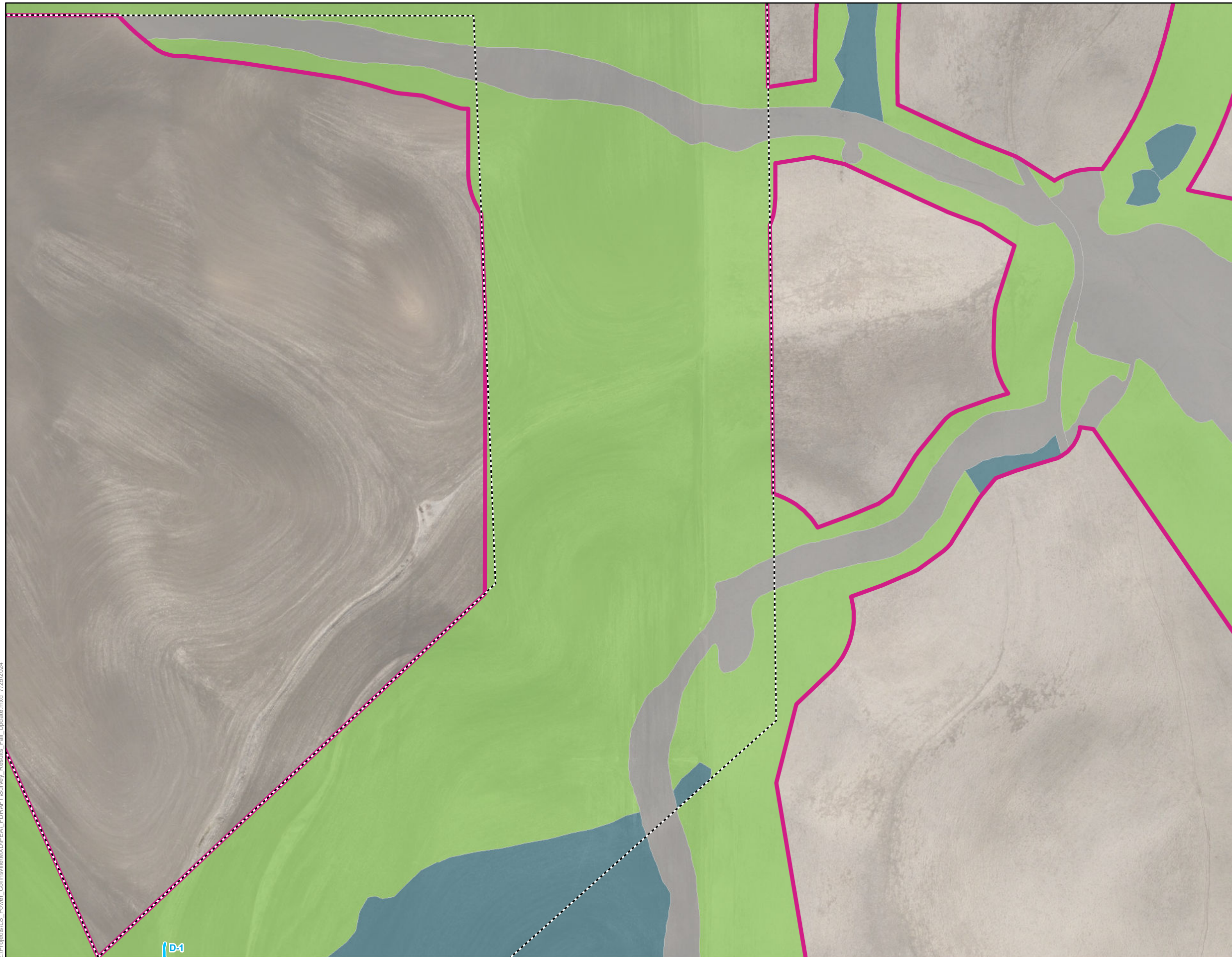
Ephemeral Stream

**Vegetation Community**

*Brassica nigra - Centaurea (solstitialis, melitensis)* Herbaceous Semi-Natural Alliance

*Lolium perenne* Herbaceous Semi-Natural Alliance

Road/Bare Ground



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 12 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

Original Botanical Survey Area

Terrestrial Survey Area

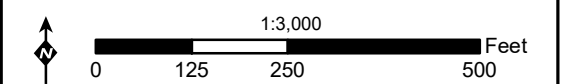
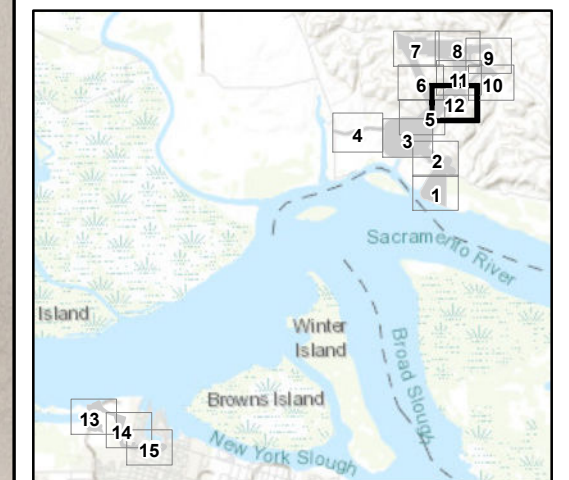
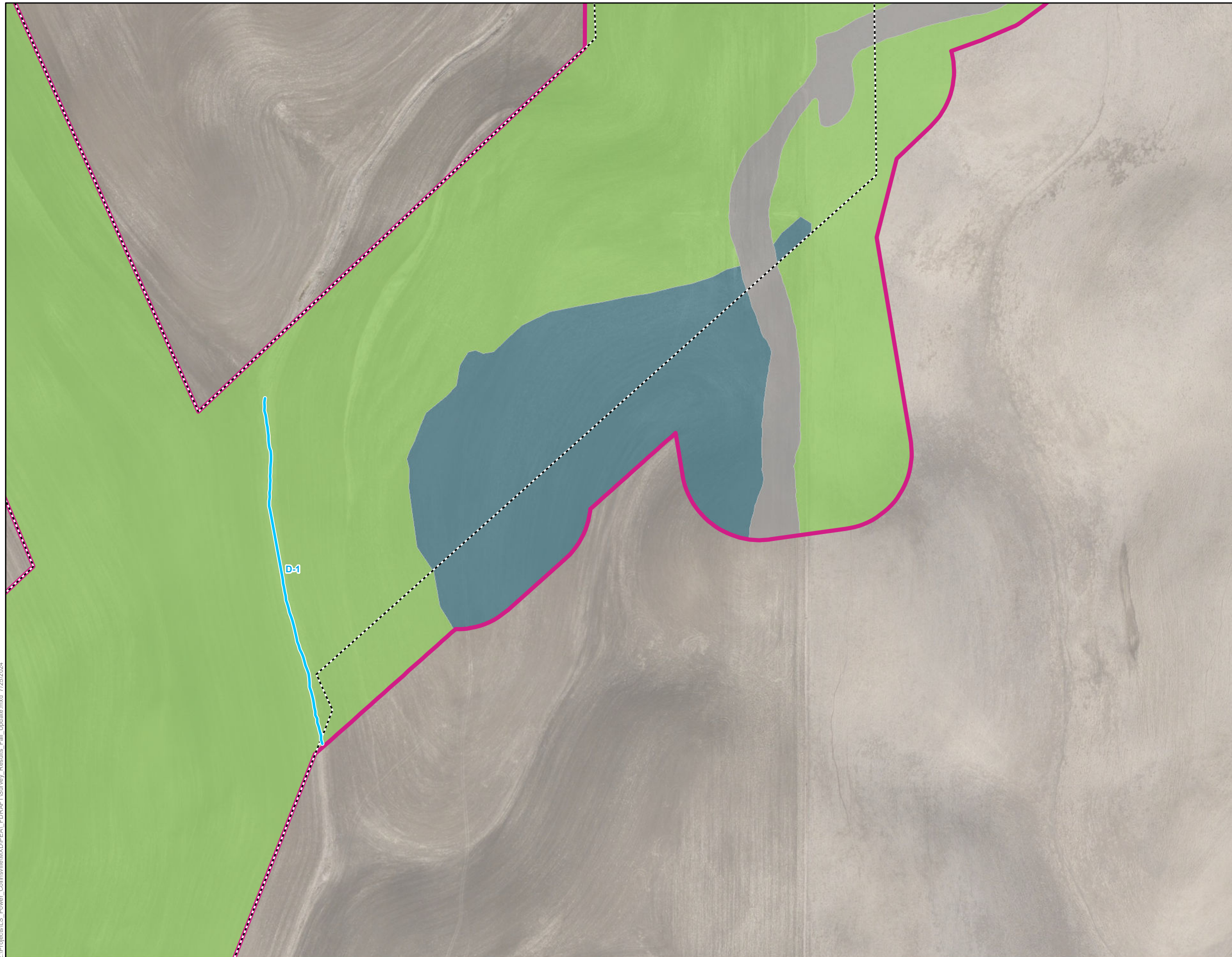
Ephemeral Stream

**Vegetation Community**

*Brassica nigra - Centaurea (solstitialis, melitensis)* Herbaceous Semi-Natural Alliance

*Lolium perenne* Herbaceous Semi-Natural Alliance

Road/Bare Ground



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 13 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**



Terrestrial Survey Area

**Rare Plant**

Delta tule pea

**Vegetation Community**

*Lepidium latifolium* – *Lactuca serriola*  
Herbaceous Alliance

Ornamental Vegetation

*Juncus arcticus* (var. *balticus*,  
*mexicanus*) Herbaceous Alliance

*Schoenoplectus* (*acutus*, *californicus*)  
Herbaceous Alliance

*Baccharis pilularis* Shrubland Alliance

Disturbed

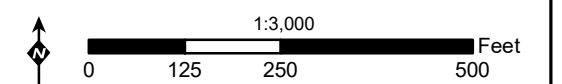
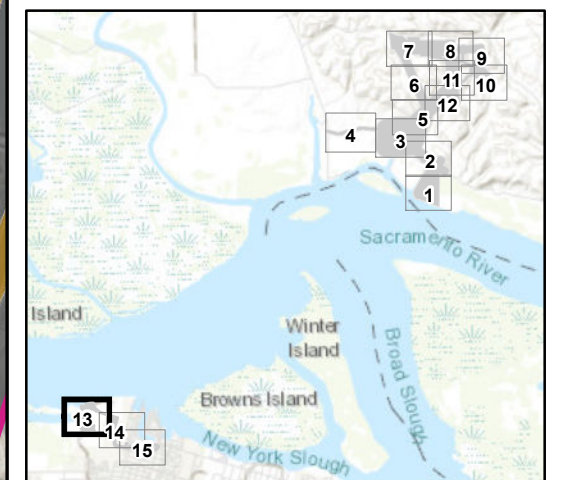
Road/Bare Ground

Rip Rap

Open Water

Developed

Not Surveyed



**Attachment 5.4-C:  
Vegetation Communities and  
Land Cover Types  
Map 14 of 15**

**Collinsville 500/230 Kilovolt  
Substation Project**

- Terrestrial Survey Area
- Vegetation Community**
- Lepidium latifolium* – *Lactuca serriola*  
Herbaceous Alliance
- Ornamental Vegetation
- Baccharis pilularis* Shrubland Alliance
- Disturbed
- Developed
- Not Surveyed

