



#### Wetlands

- Impacted Wetlands
- Ditch
- Riparian
- Wetland - Estuarine Emergent (Ditch)
- Wetland - Estuarine Intertidal Emergent
- Wetland - Estuarine Intertidal Shore (Mud)
- Wetland - Palustrine Emergent

#### Botanical Survey

- Impacted Botanical Survey
- Castilleja ambigua
- Cordylanthus maritimus

- Permanent Impacts (Trail Footprint)
- Temporary Impacts
- Staging Area
- Bridge
- HBNWR
- Phase I
- Creek
- Property Line
- Arcata City Limits

Page 1 of 18

0 50 100 Ft

1 inch = 100 feet printed at 8.5x11

Sources: City of Arcata GIS - Streets, Parks, Landmarks, City Boundary; Humboldt County GIS - Coastal Zone, HBNWR boundaries, and Parcels; 2010 Bing Imagery

Cartography  
GLD/BK

Date:  
3/25/2016

Project #  
01051-09-004



USACE File #2014-00392N  
Arcata Rails to Trails - Phase 2  
Enclosure 4 (18 pages)  
October 24 2016

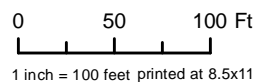
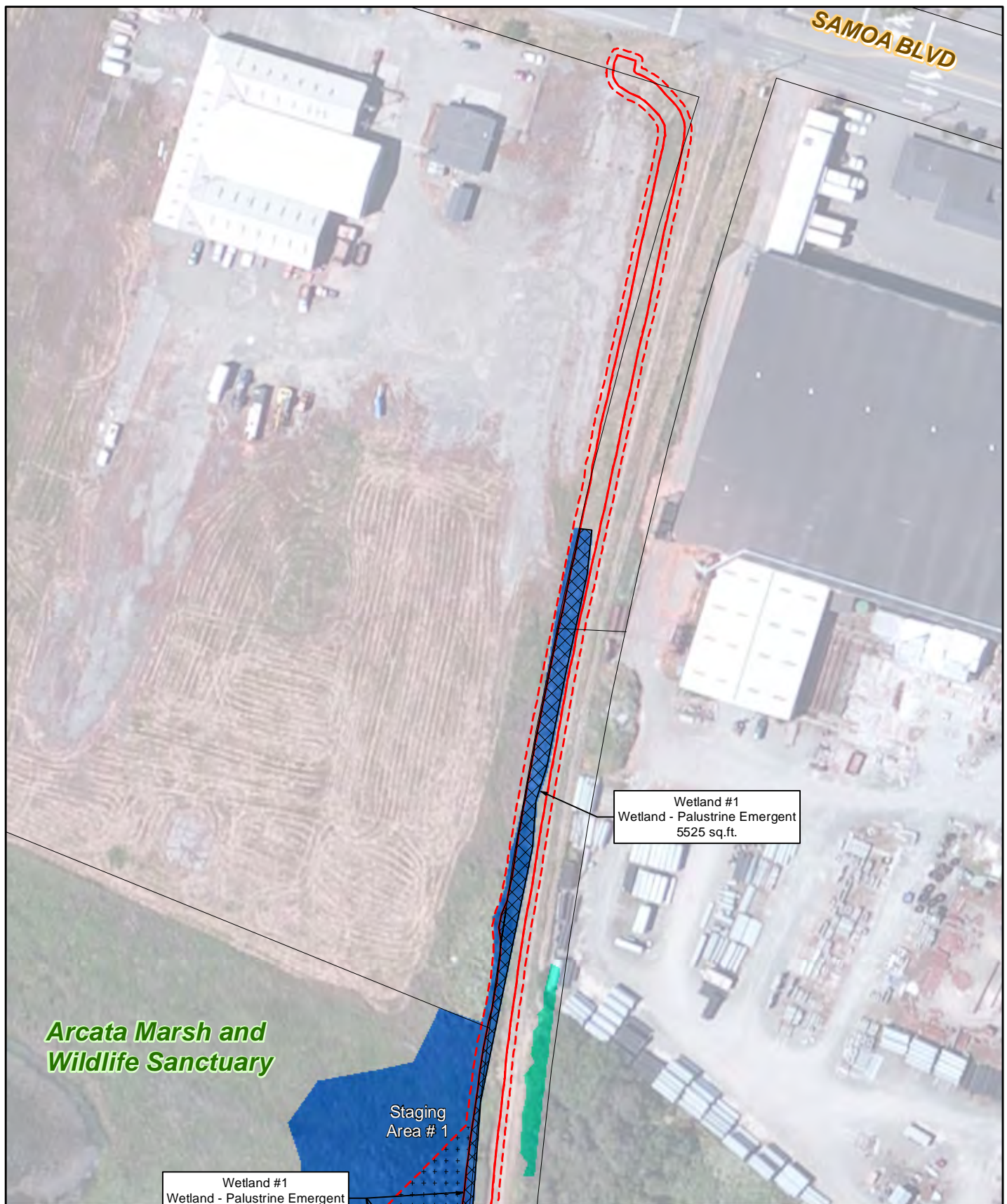
Phase 2 City of Arcata  
Rail-with-Trail Connectivity Project



WINZLER & KELLY

Revised by City of Arcata 3/25/2016





Sources: City of Arcata GIS - Streets, Parks, Landmarks, City Boundary; Humboldt County GIS - Coastal Zone, HBNWR boundaries, and Parcels; 2010 Bing Imagery

Cartography  
GLD/BK

Date:  
3/25/2016

Project #  
01051-09-004

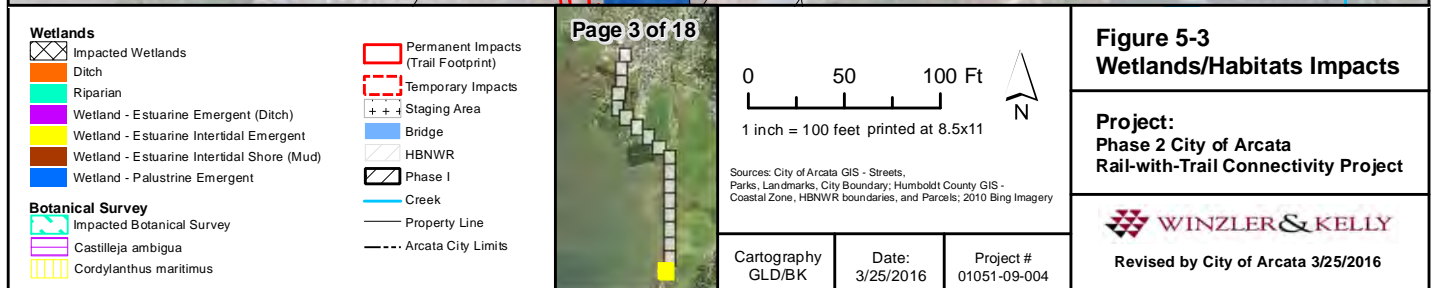
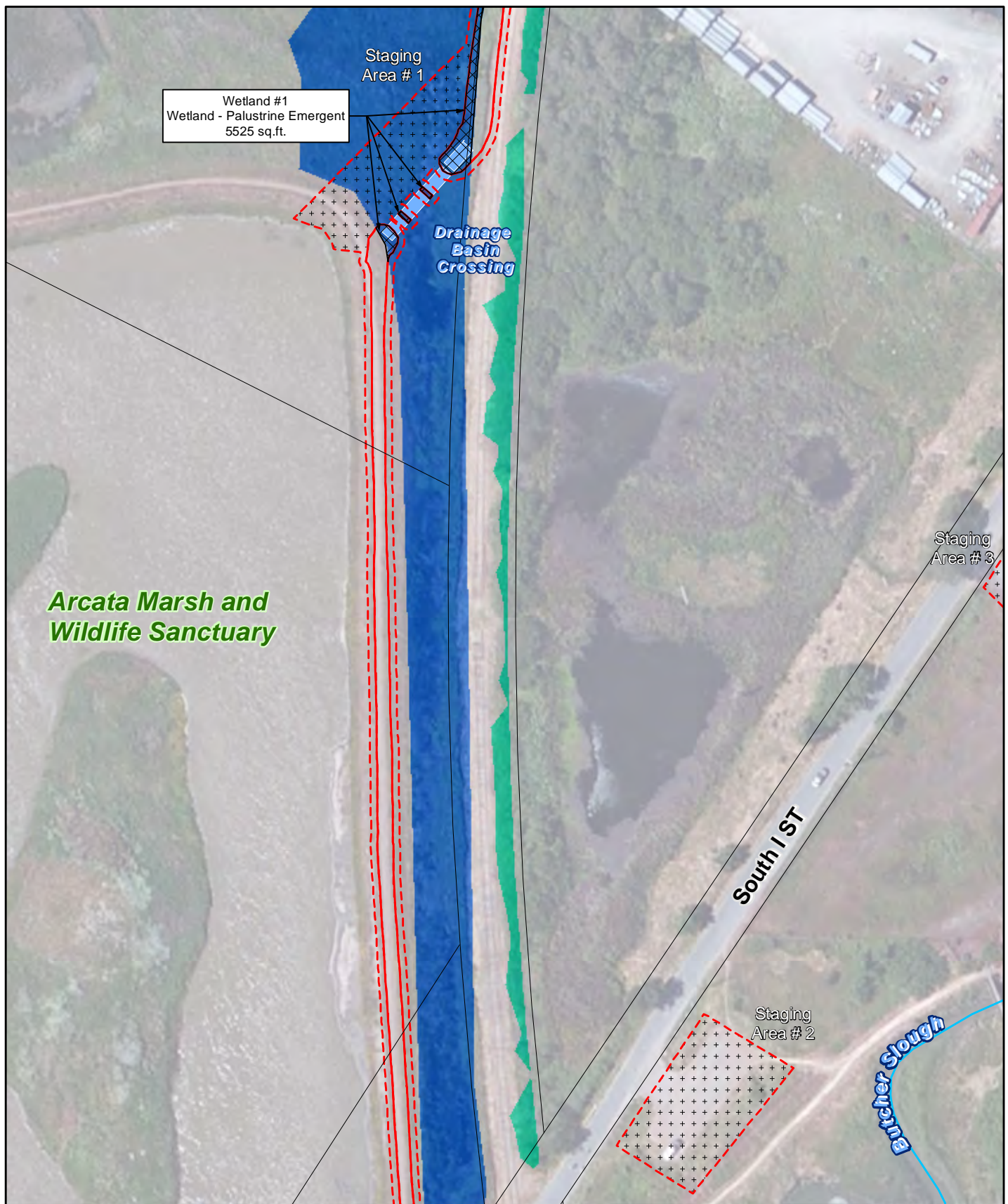
**Figure 5-2**  
**Wetlands/Habitats Impacts**

**Project:**  
**Phase 2 City of Arcata**  
**Rail-with-Trail Connectivity Project**

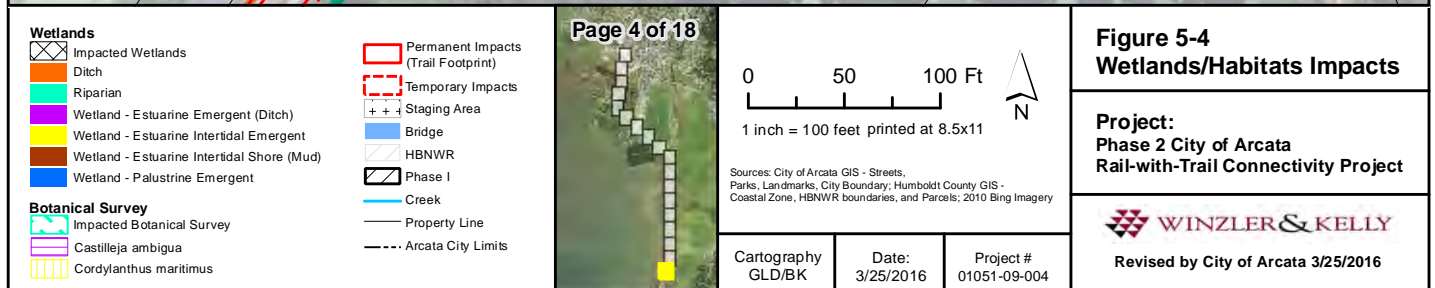
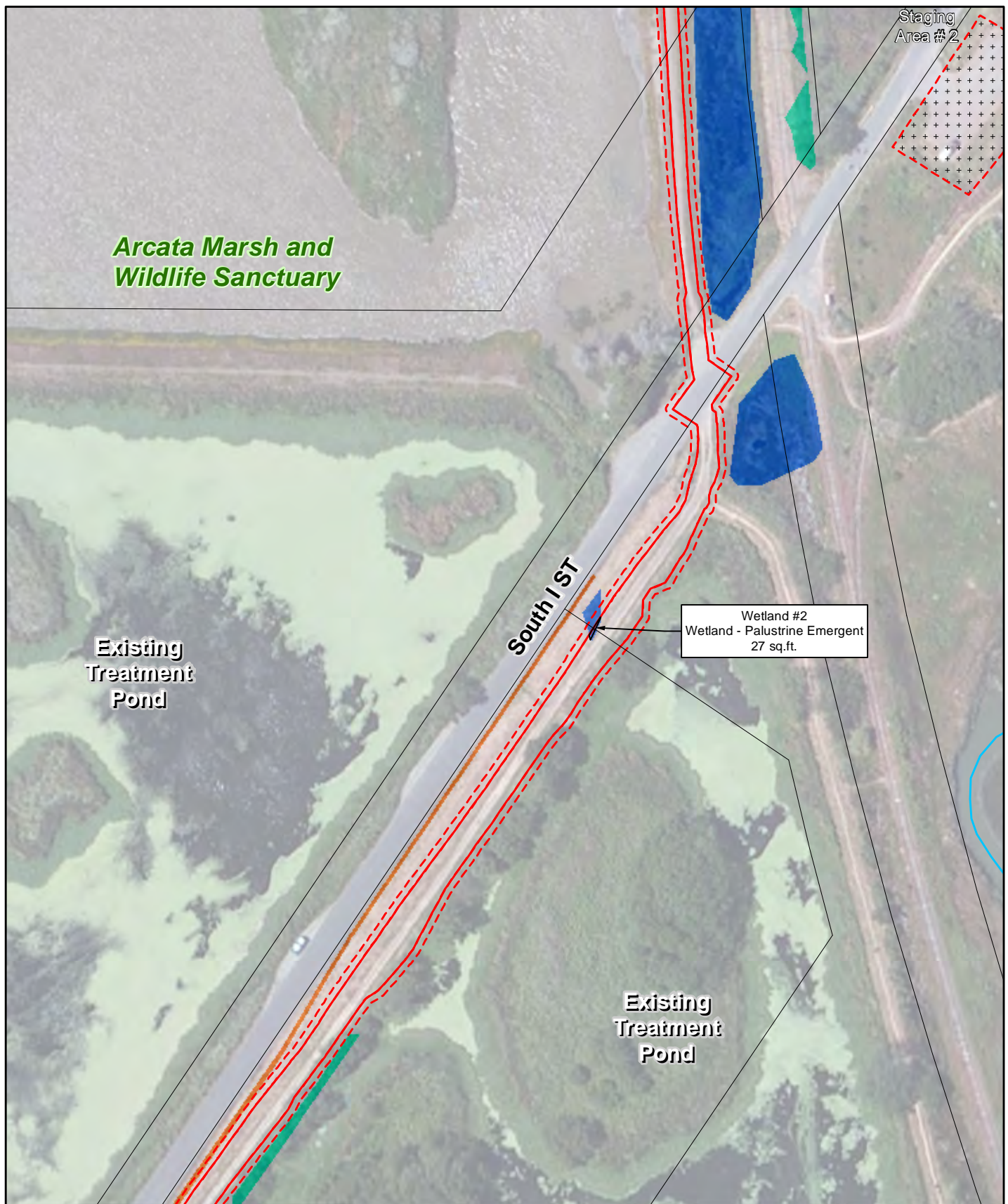
**WINZLER & KELLY**

Revised by City of Arcata 3/25/2016

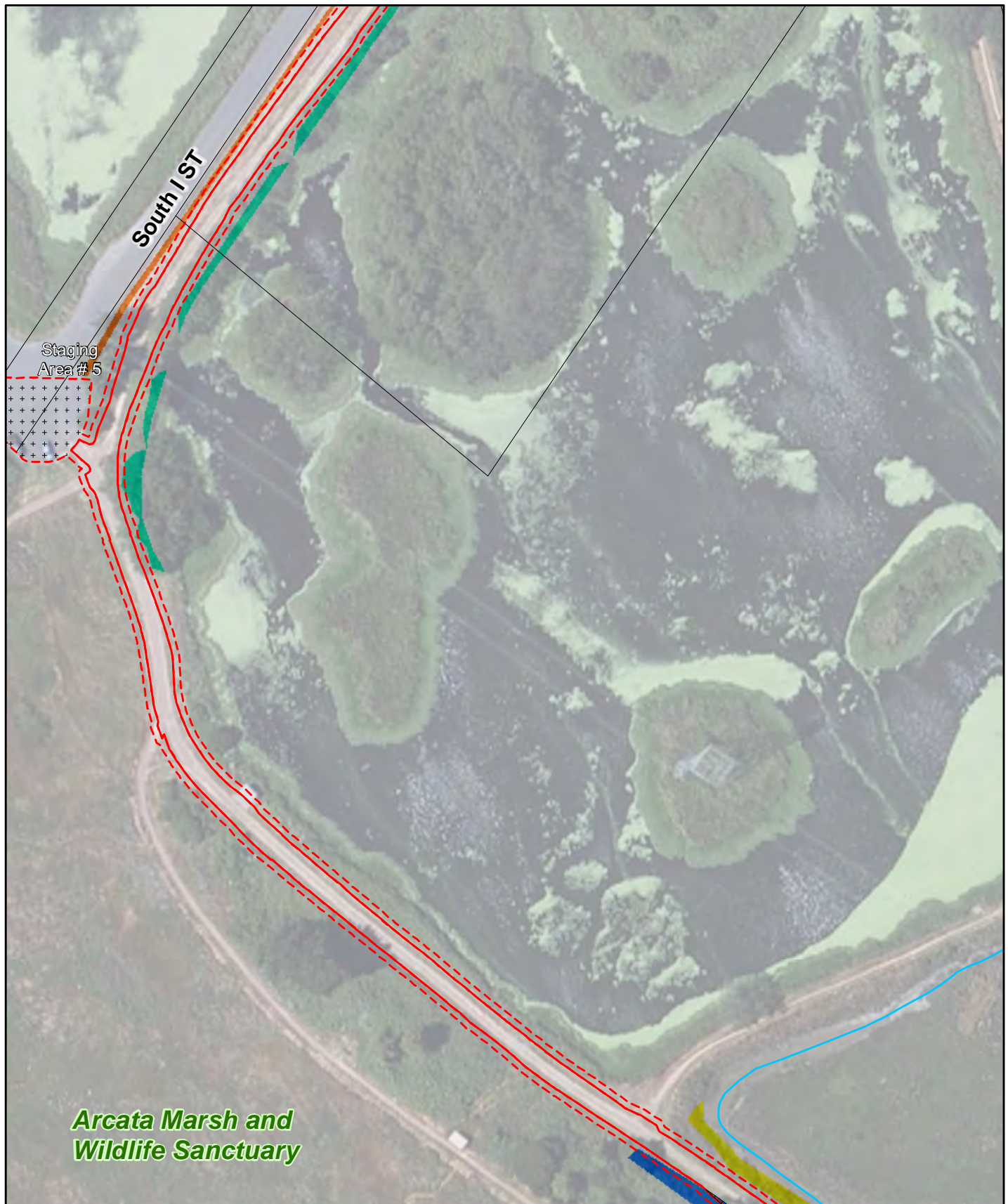












## Arcata Marsh and Wildlife Sanctuary

### Wetlands

- Impacted Wetlands
- Ditch
- Riparian
- Wetland - Estuarine Emergent (Ditch)
- Wetland - Estuarine Intertidal Emergent
- Wetland - Estuarine Intertidal Shore (Mud)
- Wetland - Palustrine Emergent

### Botanical Survey

- Impacted Botanical Survey
- Castilleja ambigua
- Cordylanthus maritimus

- Permanent Impacts (Trail Footprint)
- Temporary Impacts
- Staging Area
- Bridge
- HBNWR
- Phase I
- Creek
- Property Line
- Arcata City Limits

Page 5 of 18

0 50 100 Ft

1 inch = 100 feet printed at 8.5x11

Sources: City of Arcata GIS - Streets, Parks, Landmarks, City Boundary; Humboldt County GIS - Coastal Zone, HBNWR boundaries, and Parcels; 2010 Bing Imagery

Cartography  
GLD/BK

Date:  
3/25/2016

Project #  
01051-09-004

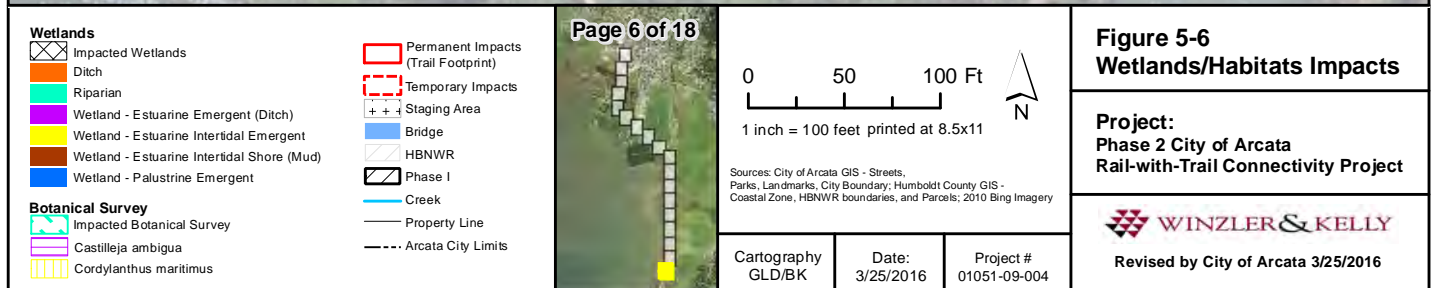
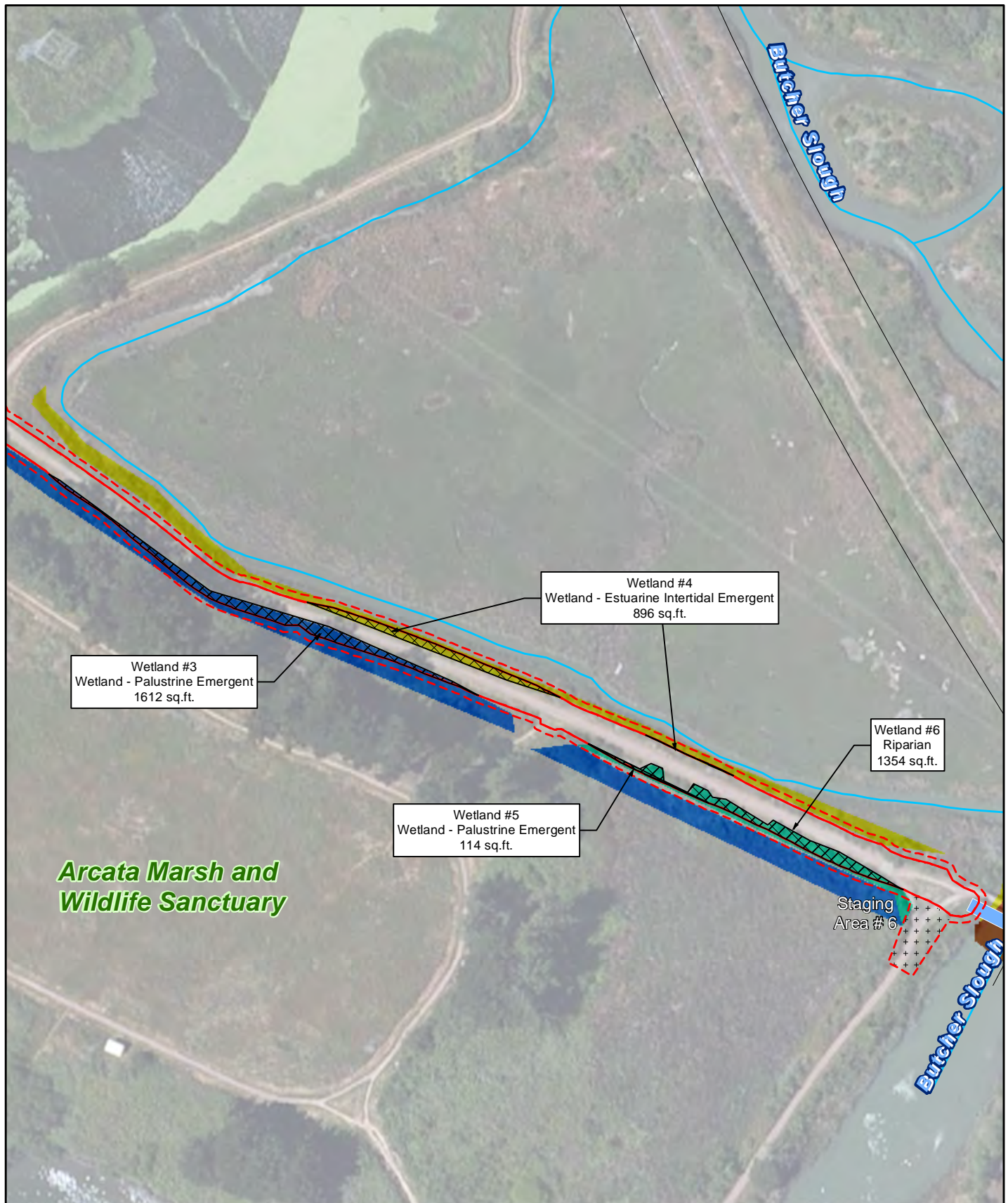
**Figure 5-5  
Wetlands/Habitats Impacts**

**Project:  
Phase 2 City of Arcata  
Rail-with-Trail Connectivity Project**

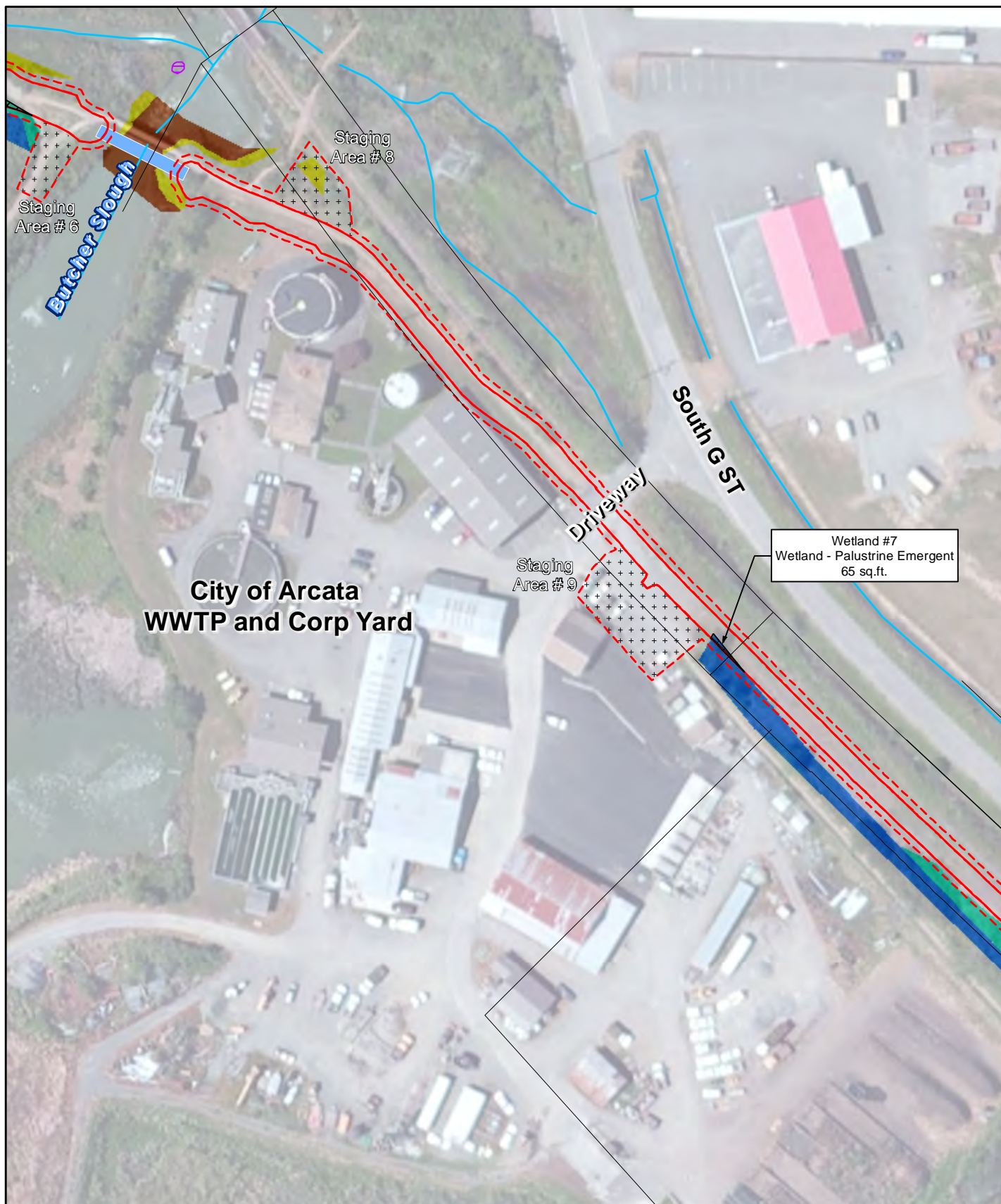
WINZLER & KELLY

Revised by City of Arcata 3/25/2016









#### Wetlands

- Impacted Wetlands
- Riparian
- Wetland - Estuarine Emergent (Ditch)
- Wetland - Estuarine Intertidal Emergent
- Wetland - Estuarine Intertidal Shore (Mud)
- Wetland - Palustrine Emergent

#### Botanical Survey

- Impacted Botanical Survey
- Castilleja ambigua
- Cordylanthus maritimus

- Permanent Impacts (Trail Footprint)
- Temporary Impacts
- Staging Area
- Bridge
- HBNWR
- Phase I
- Creek
- Property Line
- Arcata City Limits

Page 7 of 18

0 50 100 Ft

1 inch = 100 feet printed at 8.5x11

Sources: City of Arcata GIS - Streets, Parks, Landmarks, City Boundary; Humboldt County GIS - Coastal Zone, HBNWR boundaries, and Parcels; 2010 Bing Imagery

Cartography  
GLD/BK

Date:  
3/25/2016

Project #  
01051-09-004

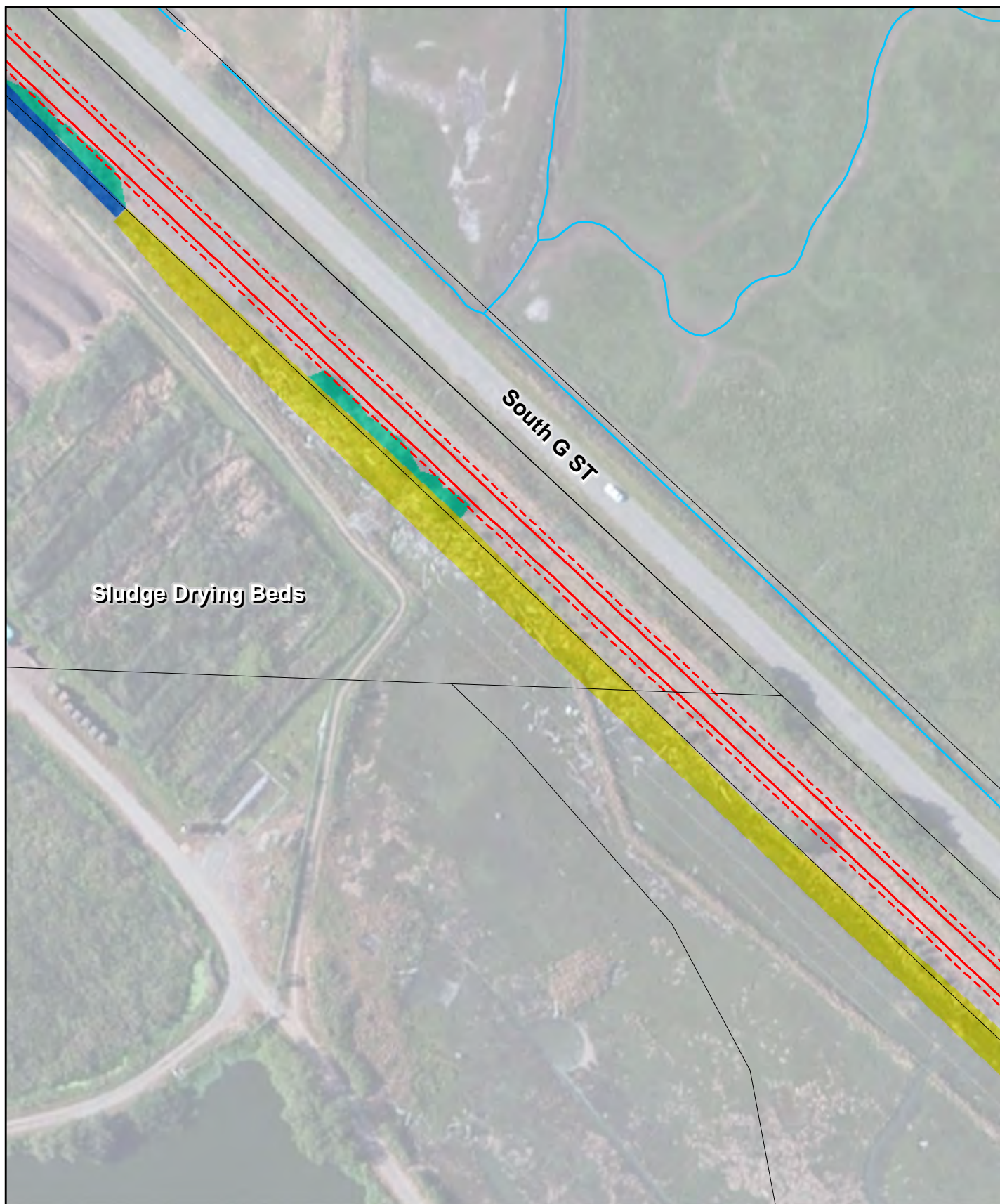
**Figure 5-7  
Wetlands/Habitats Impacts**

**Project:  
Phase 2 City of Arcata  
Rail-with-Trail Connectivity Project**

WINZLER & KELLY

Revised by City of Arcata 3/25/2016





#### Wetlands

- Impacted Wetlands
- Ditch
- Riparian
- Wetland - Estuarine Emergent (Ditch)
- Wetland - Estuarine Inter tidal Emergent
- Wetland - Estuarine Inter tidal Shore (Mud)
- Wetland - Palustrine Emergent

#### Botanical Survey

- Impacted Botanical Survey
- Castilleja ambigua
- Cordylanthus maritimus

- Permanent Impacts (Trail Footprint)
- Temporary Impacts
- Staging Area
- Bridge
- HBNWR
- Phase I
- Creek
- Property Line
- Arcata City Limits

Page 8 of 18



0 50 100 Ft

1 inch = 100 feet printed at 8.5x11



Sources: City of Arcata GIS - Streets, Parks, Landmarks, City Boundary; Humboldt County GIS - Coastal Zone, HBNWR boundaries, and Parcels; 2010 Bing Imagery

Cartography  
GLD/BK

Date:  
3/25/2016

Project #  
01051-09-004

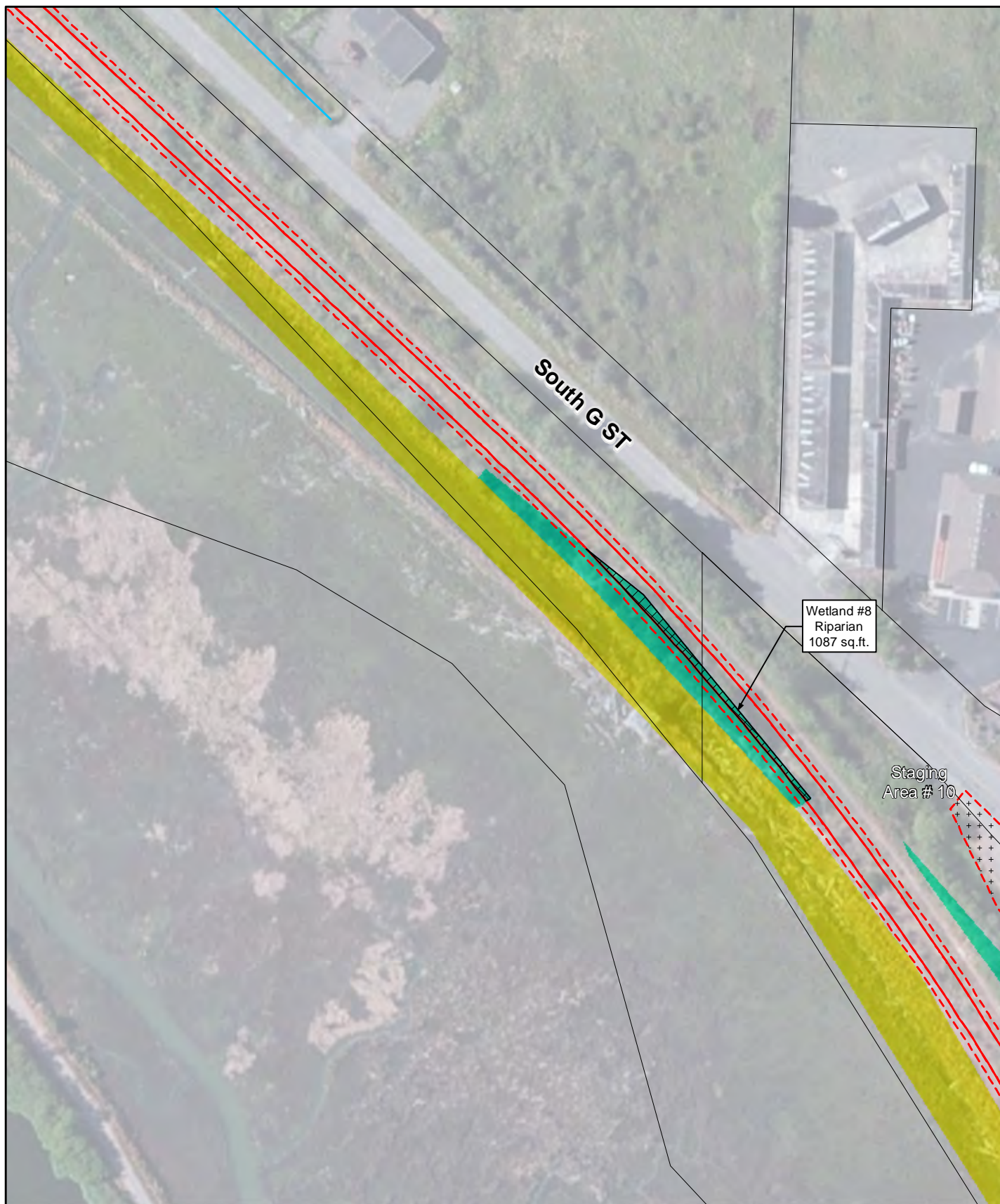
**Figure 5-8  
Wetlands/Habitats Impacts**

**Project:  
Phase 2 City of Arcata  
Rail-with-Trail Connectivity Project**



Revised by City of Arcata 3/25/2016





#### Wetlands

- Impacted Wetlands
- Ditch
- Riparian
- Wetland - Estuarine Emergent (Ditch)
- Wetland - Estuarine Intertidal Emergent
- Wetland - Estuarine Intertidal Shore (Mud)
- Wetland - Palustrine Emergent

#### Botanical Survey

- Impacted Botanical Survey
- Castilleja ambigua
- Cordylanthus maritimus

- Permanent Impacts (Trail Footprint)
- Temporary Impacts
- Staging Area
- Bridge
- HBNWR
- Phase I
- Creek
- Property Line
- Arcata City Limits

Page 9 of 18

0 50 100 Ft

1 inch = 100 feet printed at 8.5x11

Sources: City of Arcata GIS - Streets, Parks, Landmarks, City Boundary; Humboldt County GIS - Coastal Zone, HBNWR boundaries, and Parcels; 2010 Bing Imagery

Cartography  
GLD/BK

Date:  
3/25/2016

Project #  
01051-09-004

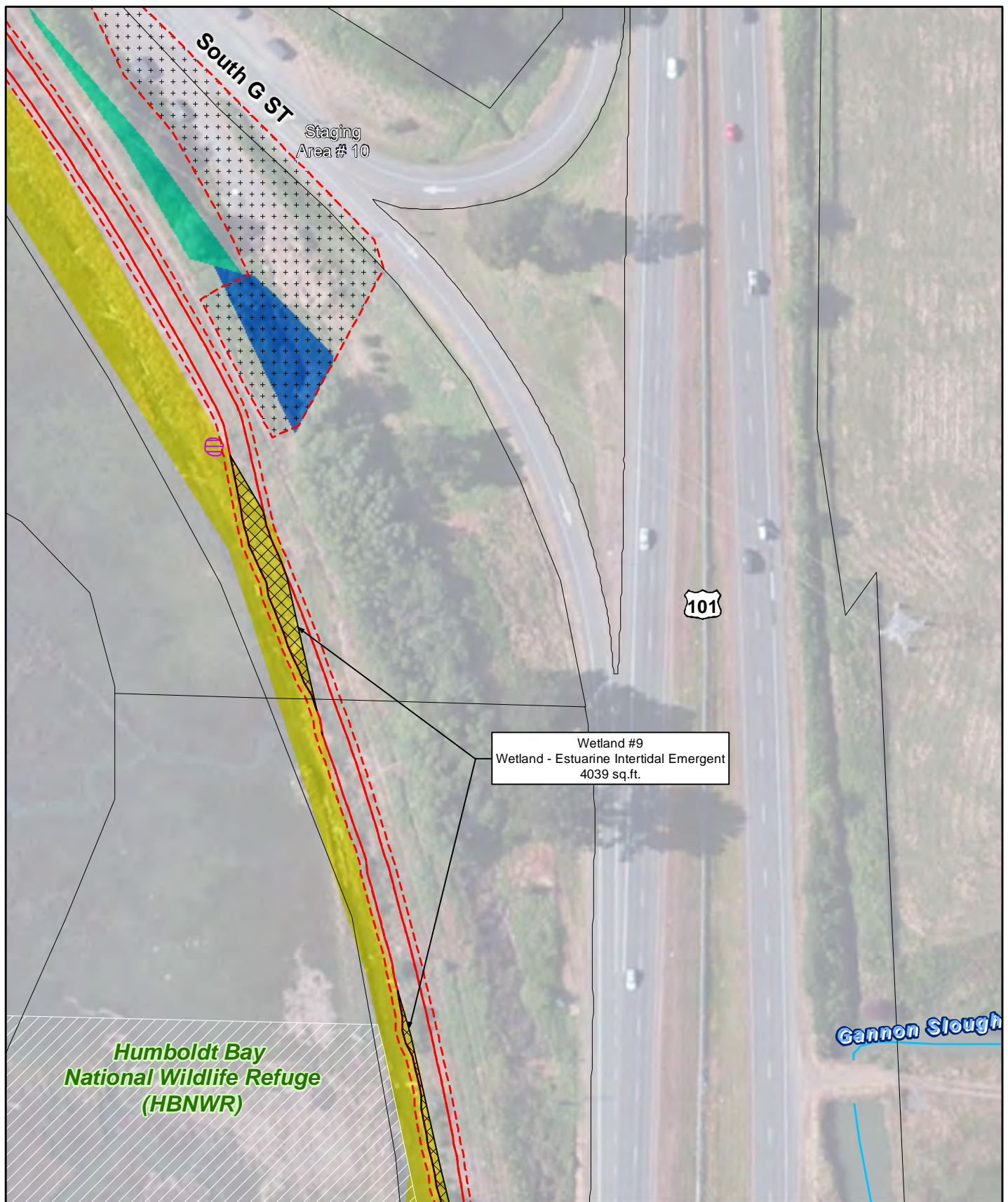
#### Figure 5-9 Wetlands/Habitats Impacts

**Project:**  
Phase 2 City of Arcata  
Rail-with-Trail Connectivity Project

WINZLER & KELLY

Revised by City of Arcata 3/25/2016





#### Wetlands

- Impacted Wetlands
- Ditch
- Riparian
- Wetland - Estuarine Emergent (Ditch)
- Wetland - Estuarine Intertidal Emergent
- Wetland - Estuarine Intertidal Shore (Mud)
- Wetland - Palustrine Emergent

#### Botanical Survey

- Impacted Botanical Survey
- Castilleja ambigua
- Cordylanthus maritimus

- Permanent Impacts (Trail Footprint)
- Temporary Impacts
- Staging Area
- Bridge
- HBNWR
- Phase I
- Creek
- Property Line
- Arcata City Limits

Page 10 of 18



0 50 100 Ft

1 inch = 100 feet printed at 8.5x11

Sources: City of Arcata GIS - Streets, Parks, Landmarks, City Boundary; Humboldt County GIS - Coastal Zone, HBNWR boundaries, and Parcels; 2010 Bing Imagery

Cartography  
GLD/BK

Date:  
3/25/2016

Project #  
01051-09-004

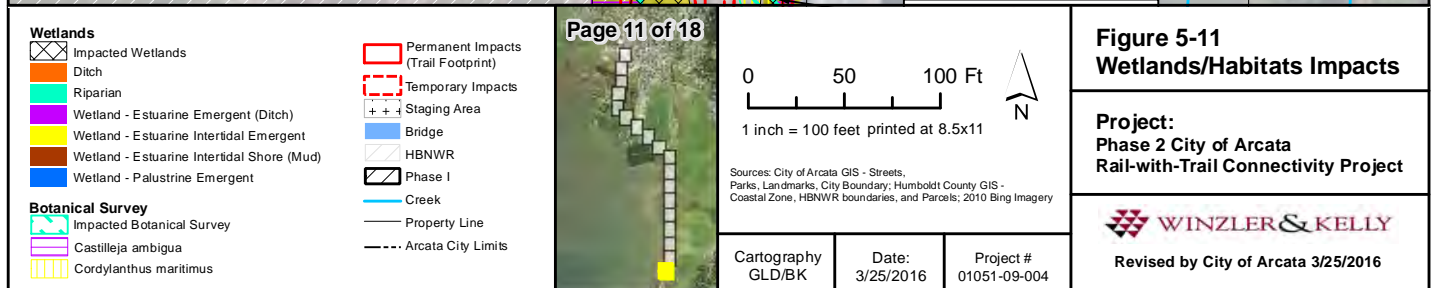
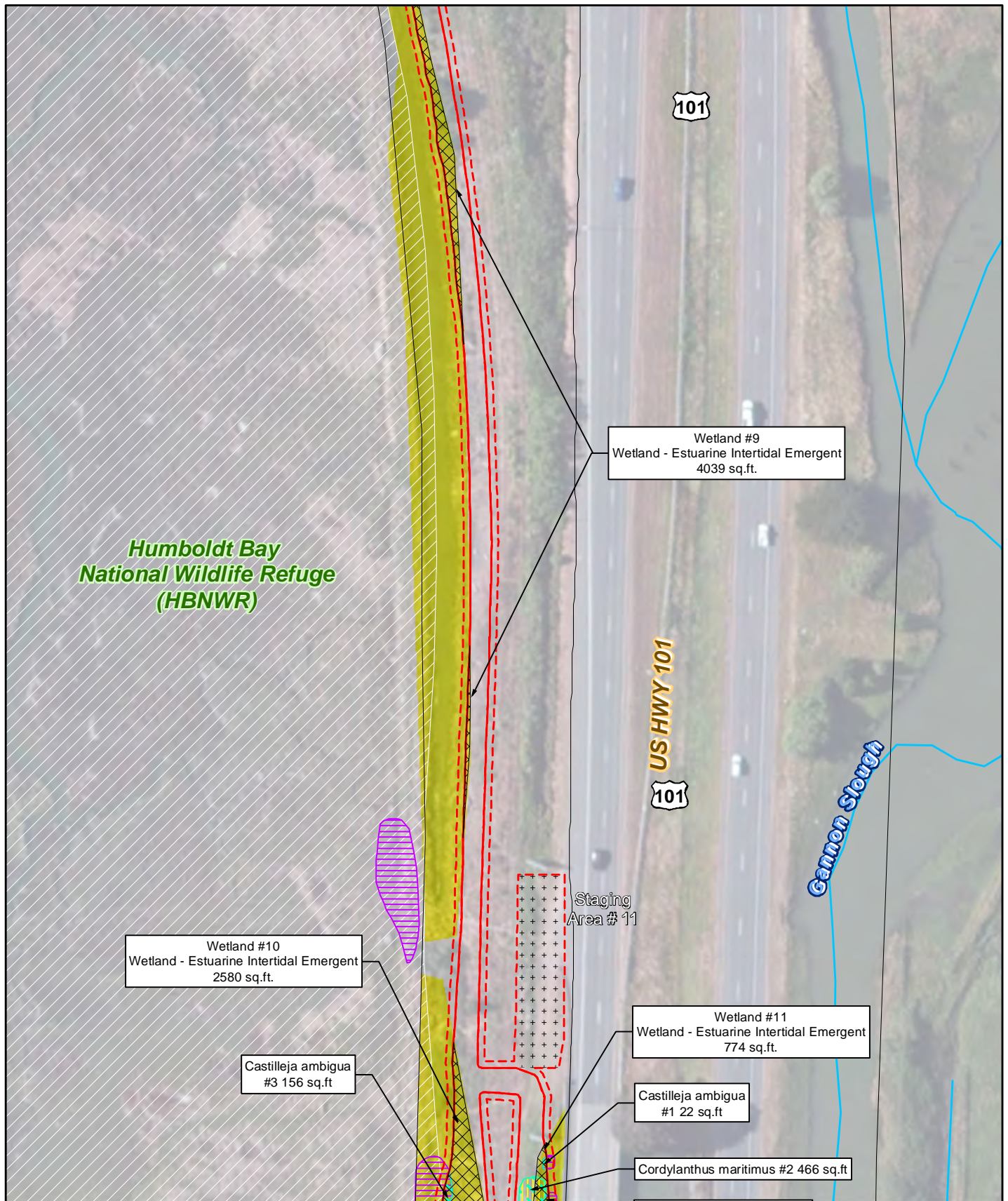
**Figure 5-10  
Wetlands/Habitats Impacts**

**Project:  
Phase 2 City of Arcata  
Rail-with-Trail Connectivity Project**

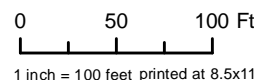
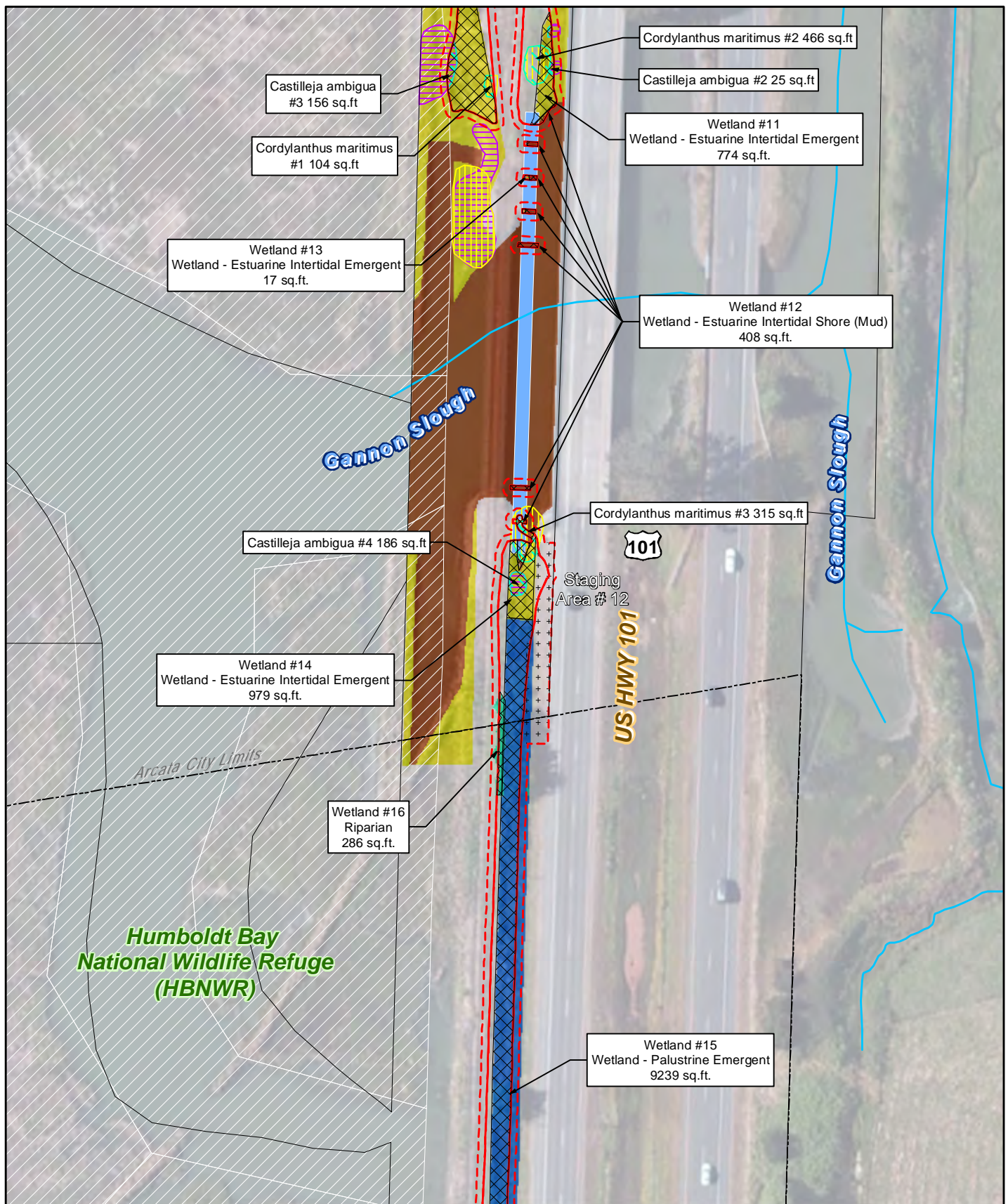
WINZLER & KELLY

Revised by City of Arcata 3/25/2016









Sources: City of Arcata GIS - Streets, Parks, Landmarks, City Boundary; Humboldt County GIS - Coastal Zone, HBNWR boundaries, and Parcels; 2010 Bing Imagery

Cartography  
GLD/BK

Date:  
3/25/2016

Project #  
01051-09-004

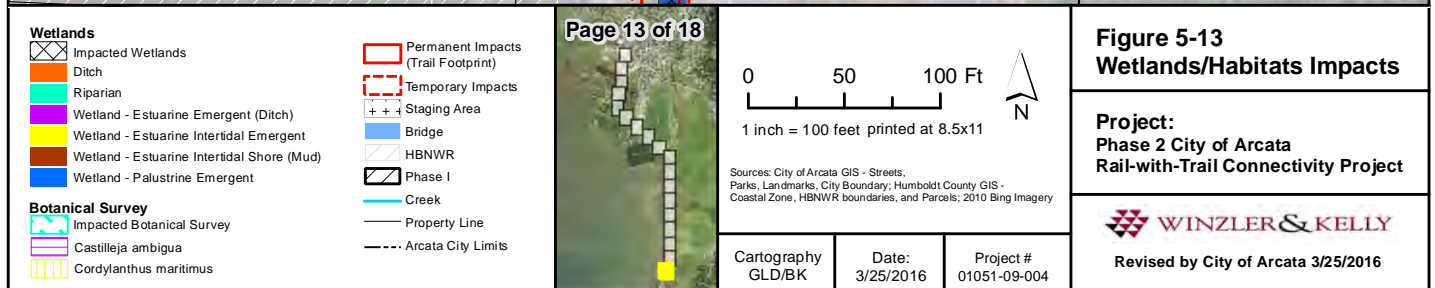
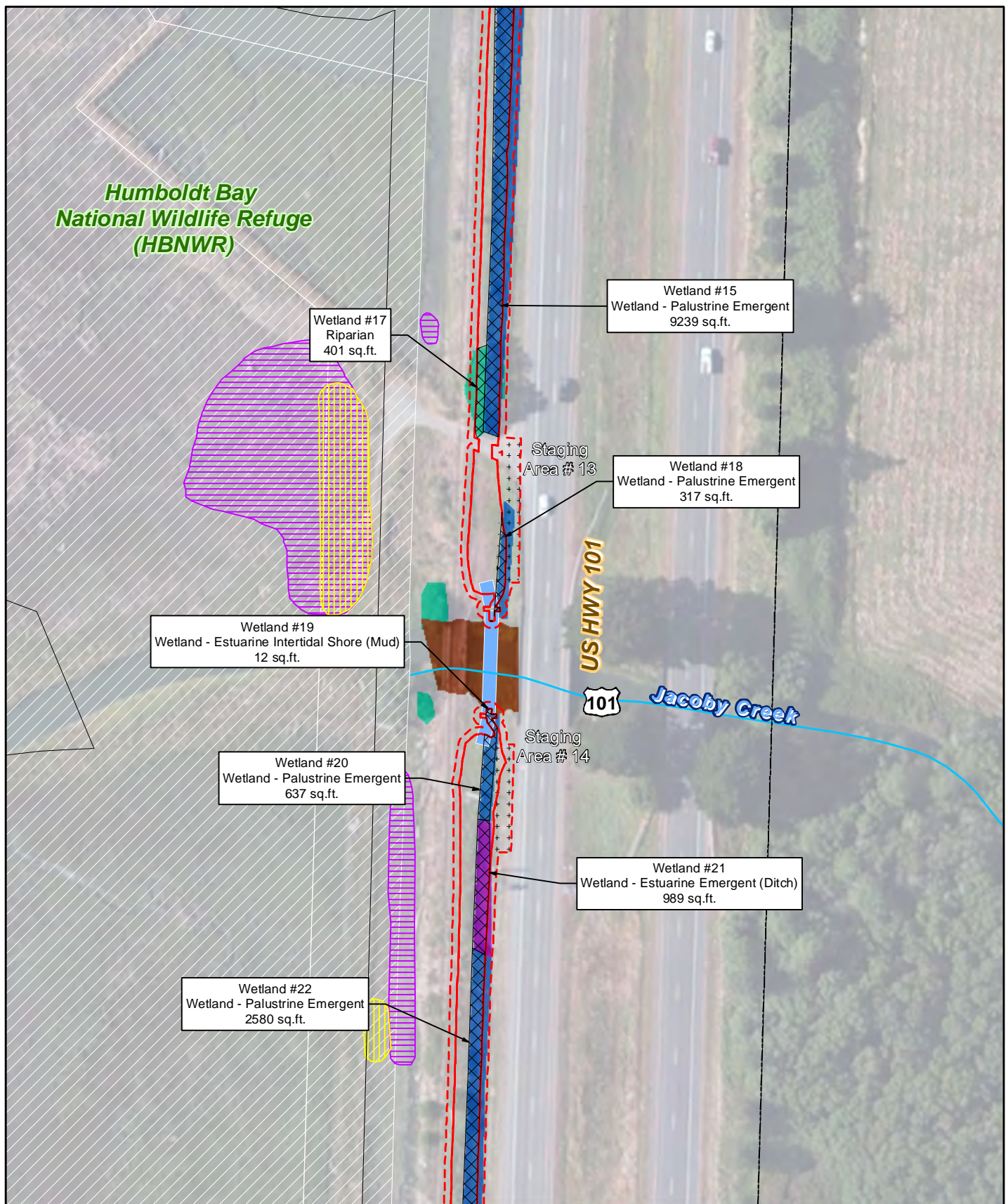
**Figure 5-12  
Wetlands/Habitats Impacts**

**Project:  
Phase 2 City of Arcata  
Rail-with-Trail Connectivity Project**

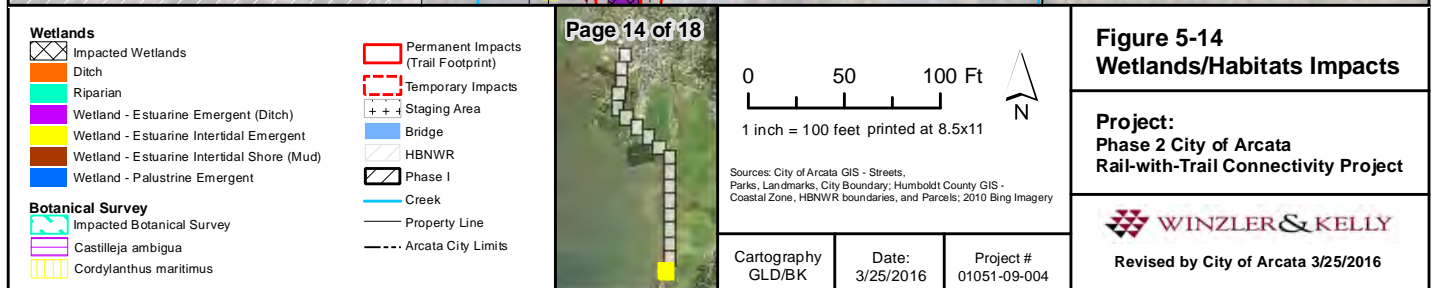
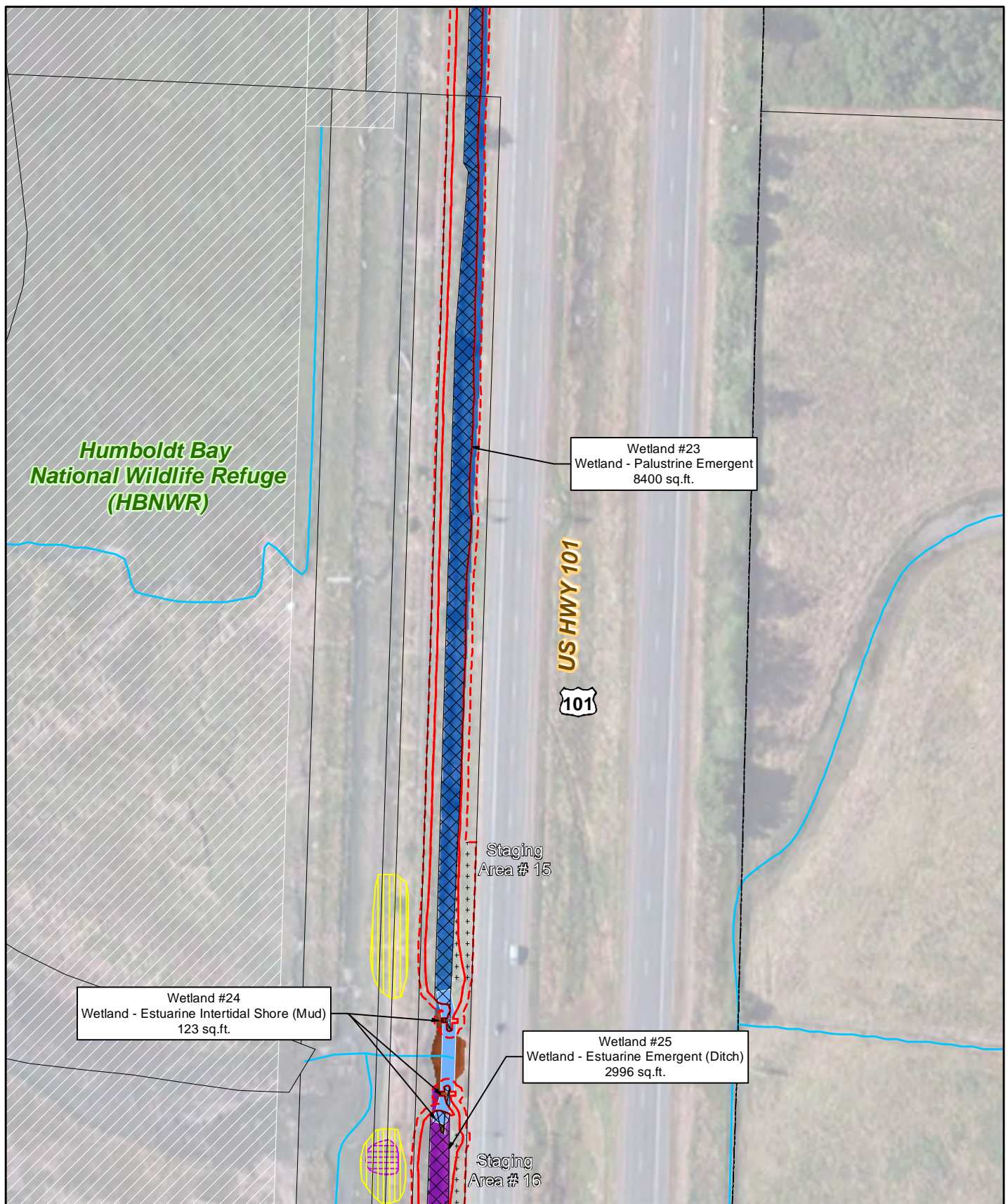
**WINZLER & KELLY**

Revised by City of Arcata 3/25/2016

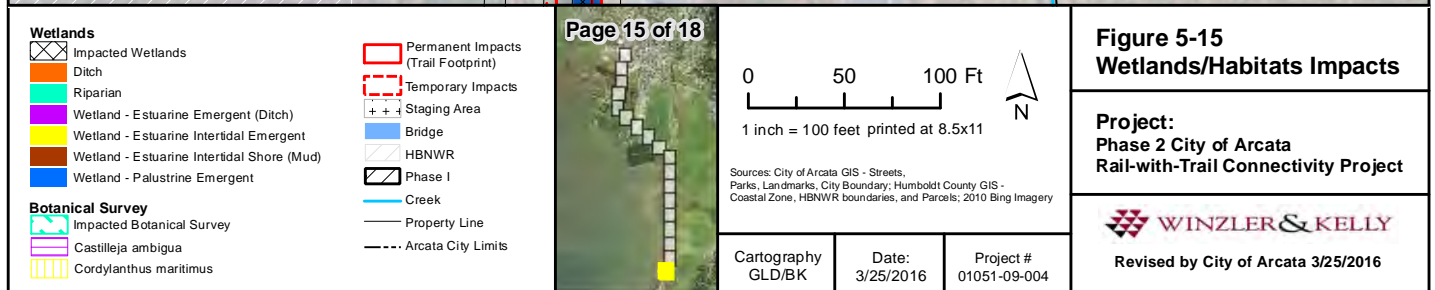
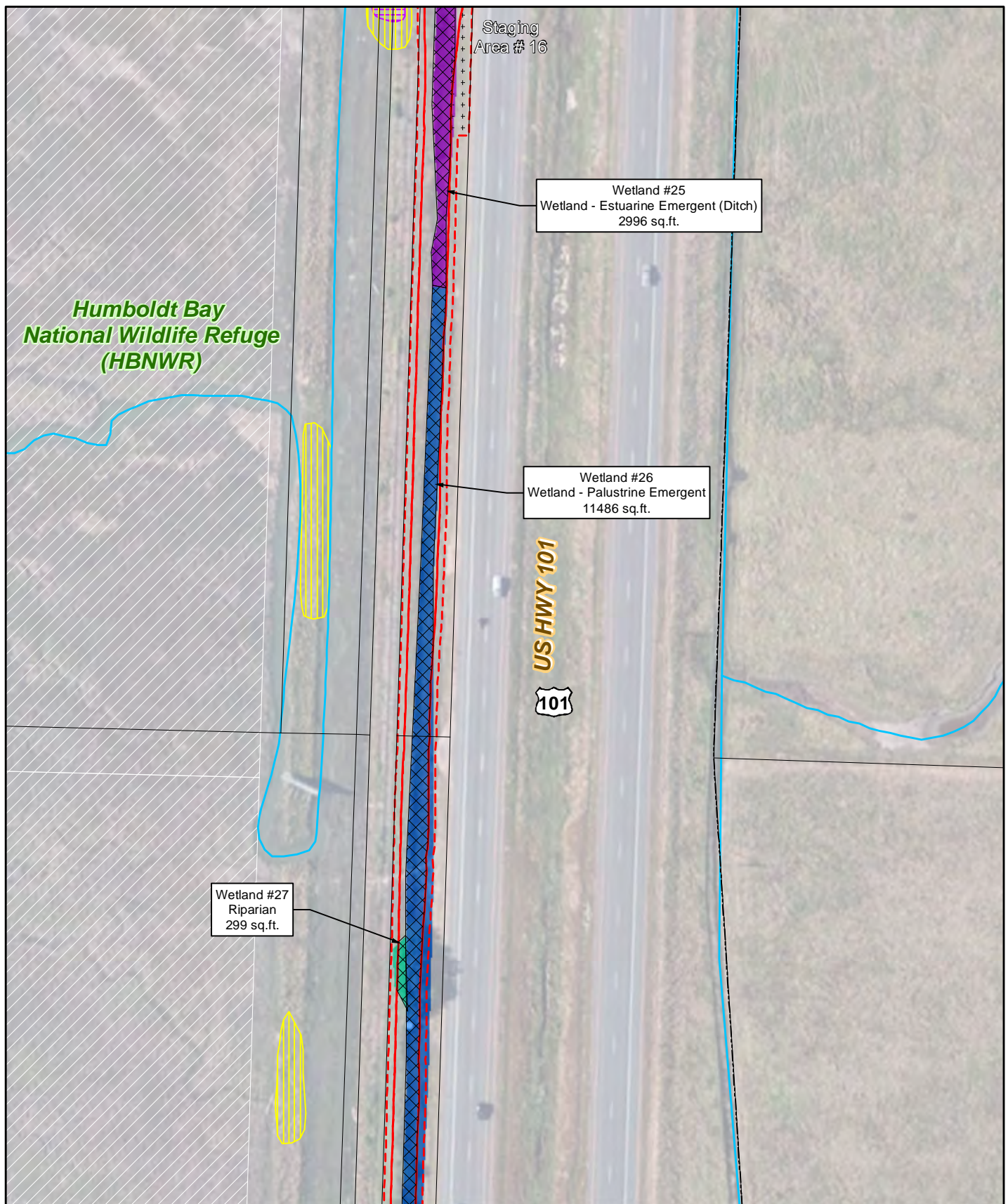




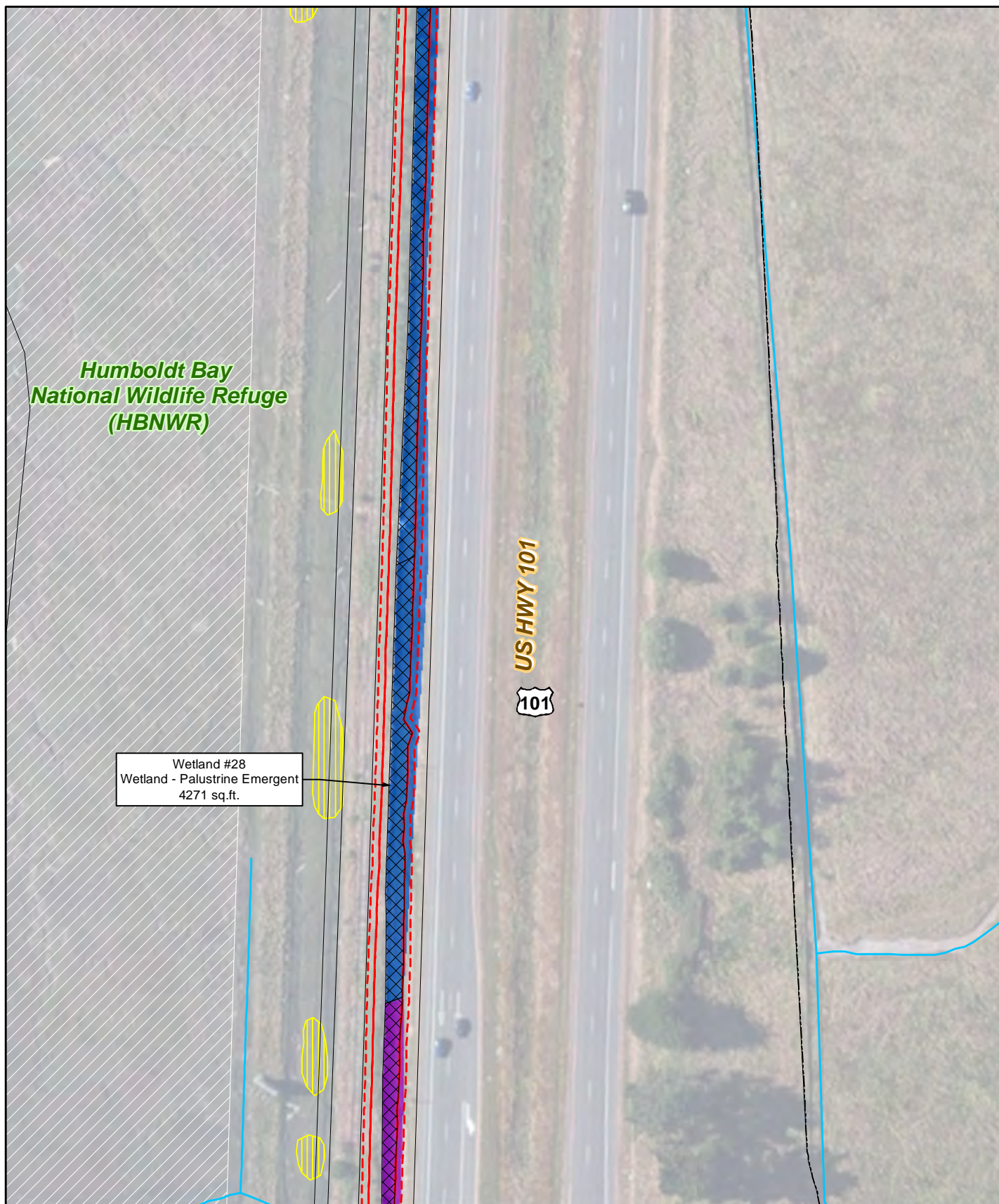












#### Wetlands

- Impacted Wetlands
- Ditch
- Riparian
- Wetland - Estuarine Emergent (Ditch)
- Wetland - Estuarine Intertidal Emergent
- Wetland - Estuarine Intertidal Shore (Mud)
- Wetland - Palustrine Emergent

#### Botanical Survey

- Impacted Botanical Survey
- Castilleja ambigua
- Cordylanthus maritimus

- Permanent Impacts (Trail Footprint)
- Temporary Impacts
- Staging Area
- Bridge
- HBNWR
- Phase I
- Creek
- Property Line
- Arcata City Limits

Page 16 of 18

0 50 100 Ft

1 inch = 100 feet printed at 8.5x11



Sources: City of Arcata GIS - Streets, Parks, Landmarks, City Boundary; Humboldt County GIS - Coastal Zone, HBNWR boundaries, and Parcels; 2010 Bing Imagery

Cartography  
GLD/BK

Date:  
3/25/2016

Project #  
01051-09-004

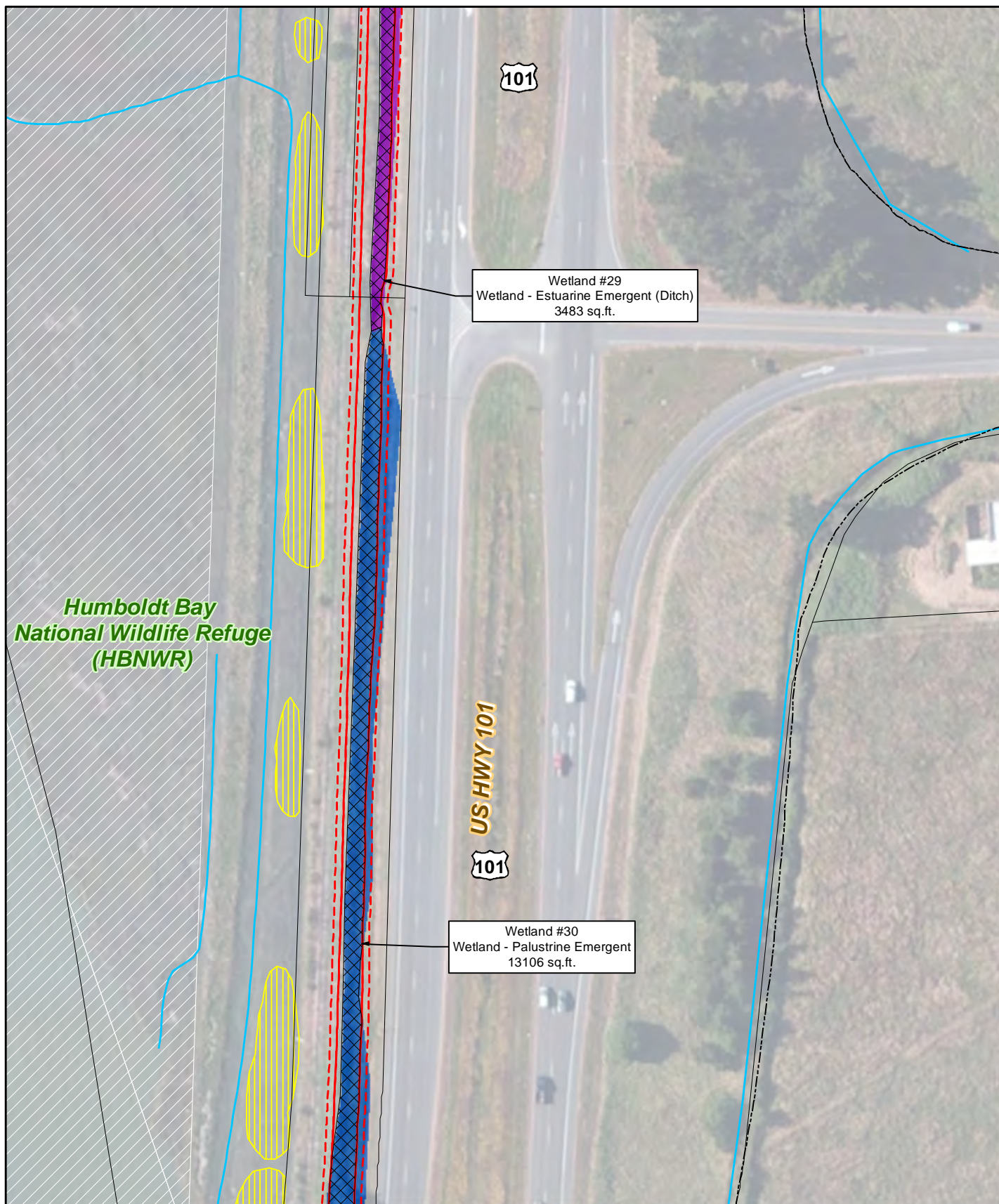
**Figure 5-16  
Wetlands/Habitats Impacts**

**Project:  
Phase 2 City of Arcata  
Rail-with-Trail Connectivity Project**



Revised by City of Arcata 3/25/2016





#### Wetlands

- Impacted Wetlands
- Ditch
- Riparian
- Wetland - Estuarine Emergent (Ditch)
- Wetland - Estuarine Intertidal Emergent
- Wetland - Estuarine Intertidal Shore (Mud)
- Wetland - Palustrine Emergent

#### Botanical Survey

- Impacted Botanical Survey
- Castilleja ambigua
- Cordylanthus maritimus

- Permanent Impacts (Trail Footprint)
- Temporary Impacts
- Staging Area
- Bridge
- HBNWR
- Phase I
- Creek
- Property Line
- Arcata City Limits

Page 17 of 18

0 50 100 Ft

1 inch = 100 feet printed at 8.5x11

Sources: City of Arcata GIS - Streets, Parks, Landmarks, City Boundary; Humboldt County GIS - Coastal Zone, HBNWR boundaries, and Parcels; 2010 Bing Imagery

Cartography  
GLD/BK

Date:  
3/25/2016

Project #  
01051-09-004

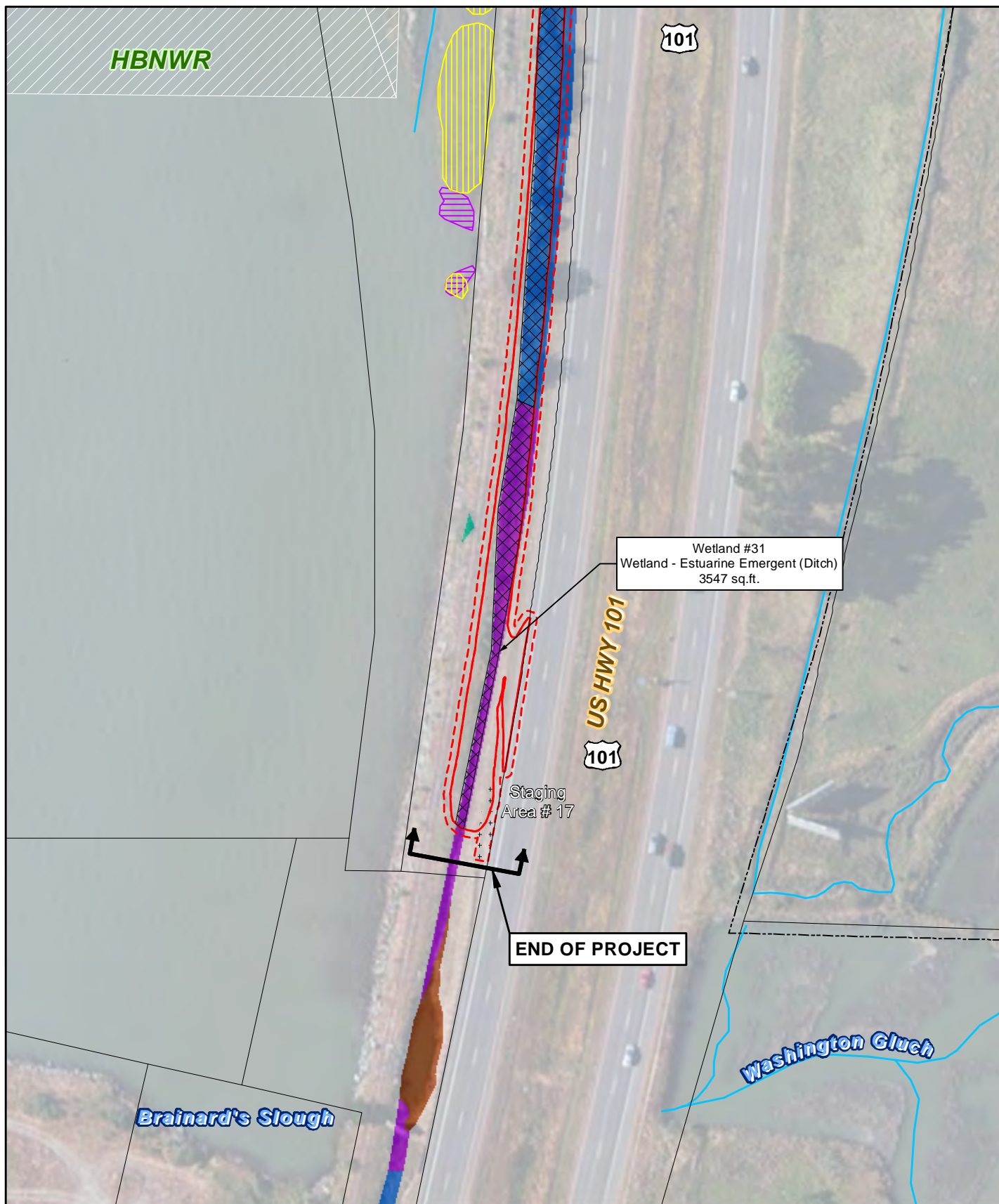
**Figure 5-17  
Wetlands/Habitats Impacts**

**Project:  
Phase 2 City of Arcata  
Rail-with-Trail Connectivity Project**

WINZLER & KELLY

Revised by City of Arcata 3/25/2016





#### Wetlands

- Impacted Wetlands
- Ditch
- Riparian
- Wetland - Estuarine Emergent (Ditch)
- Wetland - Estuarine Intertidal Emergent
- Wetland - Estuarine Intertidal Shore (Mud)
- Wetland - Palustrine Emergent

#### Botanical Survey

- Impacted Botanical Survey
- Castilleja ambigua
- Cordylanthus maritimus

- Permanent Impacts (Trail Footprint)
- Temporary Impacts
- Staging Area
- Bridge
- HBNWR
- Phase I
- Creek
- Property Line
- Arcata City Limits

Page 18 of 18



0 50 100 Ft

1 inch = 100 feet printed at 8.5x11



Sources: City of Arcata GIS - Streets, Parks, Landmarks, City Boundary; Humboldt County GIS - Coastal Zone, HBNWR boundaries, and Parcels; 2010 Bing Imagery

Cartography  
GLD/BK

Date:  
3/25/2016

Project #  
01051-09-004

**Figure 5-18  
Wetlands/Habitats Impacts**

**Project:  
Phase 2 City of Arcata  
Rail-with-Trail Connectivity Project**



Revised by City of Arcata 3/25/2016