State Route 85 Express Lanes Project

State of California
Department of Transportation
District 04
Santa Clara County, CA
No. 040001163/EA 4A7900

SR 85 PM 0.0–24.1
US 101 PM 23.1–28.6
US 101 PM 47.9–52.0

October 2013
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Figure 1
Project Location and Regional Setting

Biological Study Area (BSA)
Santa Clara Valley HCP/NCCP Study Area

Miles

Imagery source: Microsoft Bing Maps
SR 85 bridge over Camden Avenue
SR 85 bridge over Pollard Road
SR 85 bridge over Saratoga Creek
SR 85 bridge over Saratoga Avenue
SR 85 bridge over San Tomas Aquino Creek
SR 85 bridge over Almaden Expressway
SR 85 bridge over Oka Road
SR 85 bridge over Saratoga Avenue

Figure 2, Sheet 2
Project Area
Caltrans
State Route 85 Express Lanes

Imagery source: Microsoft Bing Maps
Biological Study Area (BSA)

Streams

Soil types of the BSA

- 120 - Aquic Xerorthents, bay mud subtratum, 0 to 2 percent slopes
- 130 - Urban land-Still complex, 0 to 2 percent slopes
- 131 - Urban land-Elpaloalto complex, 0 to 2 percent slopes
- 135 - Urban land-Stevenscreek complex, 0 to 2 percent slopes
- 140 - Urban land-Flaskan complex, 0 to 2 percent slopes
- 145 - Urbanland-Hangerone complex, 0 to 2 percent slopes, drained
- 150 - Urbanland-Embarcadero complex, 0 to 2 percent slopes, drained
- 157 - Novato clay, 0 to 1 percent slopes, protected
- 165 - Urbanland-Campbell complex, 0 to 2 percent slopes, protected
- 169 - Urbanland-Elder complex, 0 to 2 percent slopes, protected
- 170 - Urbanland-Landelspark complex, 0 to 2 percent slopes
- 185 - Urban Land - Bayshore complex, 0 to 2 percent slopes, drained
- 317 - Urbanland-Cropley complex, 0 to 2 percent slopes

Image source: Esri Topographic Basemap
Soil data source: United States Department of Agriculture (USDA)/Natural Resources Conservation Service (NRCS) 2010

Figure 4, Sheet 1 of 4

Soils in the BSA
Biological Study Area (BSA)

Streams

Soil types of the BSA

130 - Urban land-Silt complex, 0 to 2 percent slopes
131 - Urban land-Epaloalto complex, 0 to 2 percent slopes
135 - Urban land-Stevens creek complex, 0 to 2 percent slopes
140 - Urban land-Flaskan complex, 0 to 2 percent slopes
170 - Urban land-Landels park complex, 0 to 2 percent slopes
171 - Elder fine sandy loam, 0 to 2 percent slopes, rarely flooded
175 - Urban land-Botella complex, 0 to 2 percent slopes

Image source: Esri Topographic Basemap
Soil data source: United States Department of Agriculture (USDA)/Natural Resources Conservation Service (NRCS) 2010
Soil types of the BSA

- 131 - Urban land-Elpaloalto complex, 0 to 2 percent slopes
- 135 - Urban land-Stevenscreek complex, 0 to 2 percent slopes
- 140 - Urban land-Flaskan complex, 0 to 2 percent slopes
- 169 - Urbanland-Elder complex, 0 to 2 percent slopes, protected
- 170 - Urbanland-Landelspark complex, 0 to 2 percent slopes
- 171 - Elder fine sandy loam, 0 to 2 percent slopes, rarely flooded
- 175 - Urbanland-Botella complex, 0 to 2 percent slopes

Image source: Esri Topographic Basemap
Soil data source: United States Department of Agriculture (USDA)/Natural Resources Conservation Service (NRCS) 2010
Streams

Soil types of the BSA

130 - Urban land-Still complex, 0 to 2 percent slopes
131 - Urban land-Elpaloalto complex, 0 to 2 percent slopes
140 - Urban land-Flaskan complex, 0 to 2 percent slopes
145 - Urban land-Hangerone complex, 0 to 2 percent slopes, drained
146 - Hangerone clay loam, drained, 0 to 2 percent slopes
160 - Urban land-Clear Lake complex, 0 to 2 percent slopes
161 - Clear Lake silty clay, 0 to 2 percent slopes, drained
165 - Urban land-Campbell complex, 0 to 2 percent slopes, protected
170 - Urban land-Landelspark complex, 0 to 2 percent slopes
173 - Caninecreek-Elder complex, 0 to 2 percent slopes, rarely flooded
180 - Urban land-Newpark complex, 0 to 2 percent slopes
303 - Montara-Santerhill complex, 15 to 30 percent slopes
305 - Alo-Altamont complex, 15 to 30 percent slopes
309 - Urban land-Altamont-Alo complex, 9 to 15 percent slopes
315 - Cropley clay, 0 to 2 percent slopes
W - Water

Soil data source: United States Department of Agriculture (USDA)/Natural Resources Conservation Service (NRCS) 2010

Image source: Esri Topographic Basemap

Soils in the BSA

- CID - Climalta clay, 9 to 30 percent slopes
- CoB - Cortina very gravelly loam, 0 to 5 percent slopes
- Cra - Copley clay, 0 to 2 percent slopes
- GaA - Garretson loam, gravel substratum, 0 to 2 percent slopes
- LFC - Los Robles clay loam, 2 to 9 percent slopes
- McB - Maxwell clay, 0 to 5 percent slopes
- MwF2 - Montara rocky clay loam, 15 to 50 percent slopes, eroded
- Rg - Riverwash
- SbE2 - San Benito clay loam, 15 to 30 percent slopes, eroded
- SBF3 - San Benito clay loam, 30 to 50 percent slopes, severely eroded
- YaA - Yolo loam, 0 to 2 percent slopes
- YeC - Yolo silty clay loam, 2 to 9 percent slopes

Figure 4, Sheet 4 of 4

Caltrans
State Route 85 Express Lanes
Figure 5

Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

Habitat Types:
- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Cattail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Dirt Road
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Landscaped (Conifer Woodland)
- Landscaped (Red Willow Forest)
- Landscaped (White Alder Forest)
- Percolation Pond
- Red Willow Forest
- Ruderal Disturbed
- Sandbar Willow Thicket
- Serpentine Grassland
- Stream/River

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Habitat Types in the BSA and Project Area

Biological Study Area (BSA)
- California Bay Riparian Forest
- California Sycamore Woodland
- Cat tail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Percolation Pond
- Red Willow Forest
- White Alder Forest
- Stream/River

Project Area
- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Cat tail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Percolation Pond
- Red Willow Forest
- White Alder Forest
- Stream/River

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Figure 5
Habitat Types in the BSA and Project Area

- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Dirt Road
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Landscaped (Conifer Woodland)
- Landscaped (Coast Live Oak)
Figure 5

Habitat Types in the BSA and Project Area

- **Biological Study Area (BSA)**
- **Project Area**

**Habitat Types**

- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Percolation Pond
- Red Willow Forest
- Ruderal California Annual Grassland
- Ruderal Disturbed
- Sandbar Willow Thicket
- Serpentine Grassland
- White Alder Forest
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Percolation Pond
- Red Willow Forest
- Ruderal California Annual Grassland

**Streams/Rivers**

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some elements are unlabeled because the detailed dataset does not include names for all ephemeral and intermittent waterways.
Figure 5
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

Habitat Types:
- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Cattail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Dirt Road
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Landscaped (White Alder)
- Landscaped (Coast Live Oak-Walnut Woodland)
- Percolation Pond
- Red Willow Forest
- Ruderal Disturbed
- Sandbar Willow Thicket
- Serpentine Grassland
- White Alder Forest
- Stream/River

Note: "Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for ephemeral and intermittent waterways."
Habitat Types in the BSA and Project Area

- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Percolation Pond
- Red Willow Forest
- Ruderal California Annual Grassland
- Ruderal Disturbed
- Sandbar Willow Thicket
- Serpentine Grassland
- White Alder Forest
- Stream/River

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.*
Figure 5
Sheet 7
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

Habitat Types:
- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscape

- Landscape (Blue Gum Eucalyptus)
- Landscape (Coast Live Oak)
- Landscape (Conifer Woodland)
- Percolation Pool
- Red Willow Forest
- Ruderal Disturbed
- Ruderal California Annual Grassland
- Ruderal Disturbed
- Sandbar Willow Thicket
- Serpentine Grassland
- White Alder Forest

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some elements are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Habitat Types in the BSA and Project Area

- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- Catalina Marsh
- Cement Rip Rap
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Percolation Pond
- Red Willow Forest
- White Alder Forest
- Stream/River

Note: Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some elements are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

- Landscaped (Coast Live Oak)
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Conifer Woodland)
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Percolation Pond
- Red Willow Forest
- Ruderal Disturbed" Stream/River"

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some rivers are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.

Figure 5
Sheet 9
Habitat Types in the BSA and Project Area
Habitat Types in the BSA and Project Area

- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Percolation Pond
- Red Willow Forest
- Sandbar Willow Thicket
- Serpentine Grassland
- White Alder Forest

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
**Figure 5**

**Habitat Types in the BSA and Project Area**

- **Biological Study Area (BSA)**
  - California Bay Riparian Forest
  - California Sycamore Woodland
  - Catail Marsh
  - Cement Rip Rap
  - Coast Live Oak Woodland
  - Coast Oak-Walnut Woodland
- **Project Area**
  - Coyote Brush Scrub
  - Disturbed Annual Grassland
  - Fremont Cottonwood Forest
  - Introduced Perennial Grassland
- **Landscaped**
  - Landscaped (Blue Gum Eucalyptus)
  - Landscaped (Coast Live Oak)
  - Landscaped (Conifer Woodland)
  - Percolation Pond
  - Red Willow Forest
- **Ruderal Disturbed**
  - Sandbar Willow Thicket
  - Serpentine Grassland
  - White Alder Forest
- **Streams/Rivers**
  - Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some elements are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

Habitat Types:
- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catill Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Landscaped (Coast Live Oak Woodland)
- Landscaped (Conifer Woodland)
- Landscaped (Sycamore Woodland)
- Percolation Pond
- Red Willow Forest
- Ruderal Disturbed
- Sandbar Willow Thicket
- Serpentine Grassland
- White Alder Forest
- Stream/River

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Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

Habitat Types:
- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Calilfornia Cotton Rip Rap
- Coast Live Oak Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland

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Figure 5

Habitat Types in the BSA and Project Area

Habitat Types

- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak woodland
- Coast Live Oak-Walnut woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped

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Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

Habitat Types:
- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscapeed
- Coyote Brush
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscapeed

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dissolved dataset did not include names for all ephemeral and intermittent waterways.
Figure 5
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

1. **Habitat Types**
   - Arroyo Willow Forest
   - Black Cottonwood Forest
   - California Bay Riparian Forest
   - California Sycamore Woodland
   - Catail Marsh
   - Cement Rip Rap
   - Coast Live Oak Woodland
   - Coast Live Oak-Walnut Woodland
   - Coyote Brush Scrub
   - Dirt Road
   - Disturbed Annual Grassland
   - Fremont Cottonwood Forest
   - Introduced Perennial Grassland
   - Landscaped (Blue Gum Eucalyptus)
   - Landscaped (Coast Live Oak)
   - Landscaped (Conifer Woodland)
   - Landscaped (Coast Live Oak Woodland)
   - Landscaped (Conifer Woodland)
   - Landscaped (Coast Live Oak-Walnut Woodland)
   - Landschapd (Red Willow Forest)
   - Percolation Pond
   - Red Willow Forest
   - Ruderal Disturbed
   - Ruderal California Annual Grassland
   - Sandbar Willow Thicket
   - Serpentine Grassland
   - White Alder Forest

2. **Springs**: Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
### Habitat Types in the BSA and Project Area

<table>
<thead>
<tr>
<th>Habitat Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arroyo Willow Forest</td>
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<td>Black Cottonwood Forest</td>
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<tr>
<td>California Bay Riparian Forest</td>
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<tr>
<td>California Sycamore Woodland</td>
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<tr>
<td>Catail Marsh</td>
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<tr>
<td>White Alder Forest</td>
</tr>
<tr>
<td>Stream/River*</td>
</tr>
</tbody>
</table>

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some elements are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.*
Habitat Types in the BSA and Project Area

- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Dirt Road
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Percolation Pond
- Red Willow Forest
- White Alder Forest
- Landscaped
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Ruderal Disturbed
- Sandbar Willow Thicket
- Serpentine Grassland
- Stream/River

Note: Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some elements are unlabeled because the clipped area does not include names for all ephemeral and intermittent waterways.
### Habitats

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<th>Habitat Type</th>
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<tbody>
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<td>Arroyo Willow Forest</td>
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<td>Catail Marsh</td>
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<td>Cement Rip Rap</td>
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<td>Coast Live Oak Woodland</td>
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<td>Coast Live Oak-Walnut Woodland</td>
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<td>Sandbar Willow Thicket</td>
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<td>Serpentine Grassland</td>
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<tr>
<td>White Alder Forest</td>
</tr>
</tbody>
</table>

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Habitat Types in the BSA and Project Area

Caltrans
State Route 85 Express Lanes

[Diagram of habitat types with legend and map overlying it]
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

### Habitat Types
- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Dirt Road
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped: (Blue Gum Eucalyptus)
- Landscaped: (Coast Live Oak)
- Landscaped: (Conifer Woodland)
- Landscaped: Driveway
- Landscaped: Percolation Pond
- Landscaped: Red Willow Forest
- Landscaped: White Alder Forest
- Red Willow Forest
- Ruderal California Annual Grassland
- Ruderal Disturbed
- Sandbar Willow Thicket
- Serpentine Grassland
- Stream/River

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Figure 5
Sheet 20
Habitat Types in the BSA and Project Area
Los Gatos Creek
Landscaped
Ruderal Disturbed
Ruderal Disturbed
Cattail Marsh
Cattail Marsh
Ruderal Disturbed
Cattail Marsh
Ruderal Disturbed
Cattail Marsh
Landscaped

Figure 5
Sheet 21
Habitat Types in the BSA and Project Area

Biological Study Area (BSA)
Project Area
Habitat Types
Arroyo Willow Forest
California Bay Riparian Forest
California Sycamore Woodland
Cattail Marsh
Coast Live Oak Woodland
Cement Rip Rap
Disturbed Annual Grassland
Fremont Cottonwood Forest
Introduced Perennial Grassland
Landscaped
Coyote Brush Scrub
Disturbed
Dirt Road
Disturbed Annual Grassland
Fremont Cottonwood Forest
Introduced Perennial Grassland
Landscaped
Coyote Brush Scrub
Dirt Road
Disturbed Annual Grassland
Fremont Cottonwood Forest
Introduced Perennial Grassland
Landscaped

Caltrans
State Route 85 Express Lanes

URS Corp - Oakland CA - F.Bashir Path: L:\Projects\Caltrans_SR_85_Express_Lanes_28645170\Maps\MXT\NES\Figure_5_11x17_Vegetation.mxd

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Figure 5
Habitat Types in the BSA and Project Area

- **Biological Study Area (BSA)**
  - Arroyo Willow Forest
  - Black Cottonwood Forest
  - California Bay Riparian Forest
  - California Sycamore Woodland
  - Catail Marsh
  - Cement Rip Rap
  - Coast Live Oak Woodland
  - Coast Live Oak-Walnut Woodland

- **Project Area**
  - Coyote Brush Scrub
  - Dirt Road
  - Disturbed Annual Grassland
  - Fremont Cottonwood Forest
  - Introduced Perennial Grassland
  - Landscaped
  - Landscaped (Blue Gum Eucalyptus)
  - Landscaped (Coast Live Oak)
  - Landscaped (Conifer Woodland)
  - Landscaped (Landscaped)
  - Percolation Pond
  - Red Willow Forest
  - White Alder Forest

- **Ruderal**
  - Disturbed
  - California Annual Grassland
  - Disturbed Annual Grassland
  - Fremont Cottonwood Forest
  - Disturbed Annual Grassland
  - Red Willow Forest
  - White Alder Forest

- **Streams/Rivers**
  - Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some elements are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Figure 5
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

Habitat Types:
- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Dirt Road
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Percolation Pond
- Red Willow Forest
- Ruderal California Annual Grassland
- Sandbar Willow Thicket
- Serpentine Grassland
- White Alder Forest
- Stream/River

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.*
Figure 5
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area
- Habitat Types:
  - Arroyo Willow Forest
  - Black Cottonwood Forest
  - California Bay Riparian Forest
  - California Sycamore Woodland
  - Coastal Marsh
  - Cement Rip Rap
  - Disturbed Annual Grassland
  - Fremont Cottonwood Forest
  - Introduced Perennial Grassland
  - Coyote Brush Scrub
  - Dirt Road
  - Landscaped
  - Landscaped (Blue Gum Eucalyptus)
  - Landscaped (Coast Live Oak)
  - Landscaped (Conifer Woodland)
  - Landscaped (White Alder Forest)
  - Landscaped (White Oak Woodland)
  - Percolation Pond
  - Red Willow Forest
  - Ruderal Disturbed
  - Sandbar Willow Thicket
  - Serpentine Grassland
  - White Alder Forest
  - Stream/River

Caltrans
State Route 85 Express Lanes

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Figure 5
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

Habitat Types:
- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Fremont California Annual Grassland
- Introduced Perennial Grassland
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Landscaped Pond
- Landscaped (White Alder Forest)
- Landscaped (Red Willow Forest)
- Landscaped (sandbar Willow Thicket)
- Landscaped (Serpentine Grassland)
- Ruderal Disturbed
- Sandbar Willow Thicket
- Serpentine Grassland
- White Alder Forest
- Stream/River

Note: The black lines on this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Figure 5
Habitat Types in the BSA and Project Area

- Biocological Study Area (BSA)
- Project Area

Habitat Types:
- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak woodland
- Coast Live Oak-Walnut woodland
- Coyote Brush Scrub
- Dirt Road
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer woodland)
- Landscaped (Conifer woodland)
- Landscaped (White Oak woodlands)
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Percolation Pond
- Red Willow Forest
- Ruderal Disturbed
- Ruderal Disturbed
- Ruderal Disturbed
- Ruderal California Annual Grassland
- Ruderal Disturbed
- Sandbar Willow Thicket
- Serpentine Grassland
- White Alder Forest
- Stream/River

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some elements are unlabeled because the original data did not include names for all ephemeral and intermittent waterways.
Figure 5

Habitat Types in the BSA and Project Area

- **Biological Study Area (BSA)**
  - Arroyo Willow Forest
  - Black Cottonwood Forest
  - Cattail Marsh
  - Cement Rip Rap
  - Coast Live Oak Woodland
  - Coast Live Oak-Walnut Woodland
  - Coyote Brush Scrub
  - Disturbed Annual Grassland
  - Fremont Cottonwood Forest
  - Introduced Perennial Grassland
  - Landscaped
  - Landscaped (Blue Gum Eucalyptus)
  - Landscaped (Coast Live Oak)
  - Landscaped (Conifer Woodland)
  - Percolation Pond
  - Red Willow Forest
  - Ruderal California Annual Grassland
  - Ruderal Disturbed
  - Sandbar Willow Thicket
  - Serpentine Grassland
  - White Alder Forest

- **Project Area**
  - California Bay Riparian Forest
  - California Sycamore Woodland
  - Fremont Cottonwood Forest
  - Introduced Perennial Grassland
  - Landscaped
  - Landscaped (Blue Gum Eucalyptus)
  - Landscaped (Coast Live Oak)
  - Landscaped (Conifer Woodland)
  - Percolation Pond
  - Red Willow Forest
  - Ruderal California Annual Grassland
  - Ruderal Disturbed

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.*
Habitat Types in the BSA and Project Area

- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landsaped (Blue Gum Eucalyptus)
- Landsaped (Coast Live Oak)
- Landsaped (Conifer Woodland)
- Landsaped (Red Willow Forest)
- Landsaped (White Alder Forest)
- Percolation Pond
- Red Willow Forest
- Ruderal Disturbed
- Sandbar Willow Thicket
- Serpentine Grassland
- White Alder Forest
- Stream/River

Note: The lines shown on the map are from the National Hydrography Dataset. Some lines are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area
- Arroyo Willow Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Percolation Pond
- Red Willow Forest
- White Alder Forest
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Percolation Pond
- Red Willow Forest
- White Alder Forest

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Figure 5
Habitat Types in the BSA and Project Area
Figure 5

Habitat Types in the BSA and Project Area

- California Bay Riparian Forest
- California Sycamore Woodland
- Catail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Landscaped (California Annual Grassland)
- Landscaped (Red Willow Forest)
- Landscaped (White Alder Forest)
- Ruderal Disturbed
- Ruderal California Annual Grassland
- Sedimentary Sandbar Willow Thicket
- Serpentine Grassland
- Stream/River

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some elements are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.*
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area
- Habitat Types
  - Arroyo Willow Forest
  - Black Cottonwood Forest
  - Catail Marsh
  - Cement Rip Rap
  - Coast Live Oak Woodland
  - Introduced Annual Grassland
  - Fremont Cottonwood Forest
  - Fremont Conifer Woodland
  - Percolation Pond
  - Red Willow Forest
  - Ruderal Disturbed
  - Coyote Brush Scrub
  - Disturbed Annual Grassland
  - Landscaped
  - Blue Gum Eucalyptus
  - Coast Live Oak
  - Conifer Woodland
  - Floodplain Woodland
  - White Alder Forest

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Figure 5
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

**Habitat Types**

- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Cattail Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Percolation Pond
- Red Willow Forest
- Ruderal Disturbed
- Ruderal California Annual Grassland
- Sunbelt Willow Thicket
- Serpentine Grassland
- White Alder Forest
- Stream/River*

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Figure 5
Habitat Types in the BSA and Project Area

- Arroyo Willow Forest
- Black Cottonwood Forest
- California Bay Riparian Forest
- California Sycamore Woodland
- Catia Marsh
- Cement Rip Rap
- Coast Live Oak Woodland
- Coast Live Oak-Walnut Woodland
- Coyote Brush Scrub
- Dirt Road
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Percolation Pond
- Red Willow Forest
- Sandbar Willow Thicket
- Serpentine Grassland
- White Alder Forest
- Coyote Creek
- Disturbed
- Stream/River

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.*
Habitat Types in the BSA and Project Area

- Biological Study Area (BSA)
- Project Area

Habitat Types:
- Arroyo Willow Forest
- Black Cottonwood Forest
- Coyote Brush Scrub
- Disturbed Annual Grassland
- Fremont Cottonwood Forest
- Introduced Perennial Grassland
- Landscaped
- Landscaped (Blue Gum Eucalyptus)
- Landscaped (Coast Live Oak)
- Landscaped (Conifer Woodland)
- Landscaped (Red Willow)
- Landscaped (White Alder)
- Percolation Pond
- Stream/River

Note: Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some elements are unlabeled because the displayed areas do not include names for all ephemeral and intermittent waterways.
Figure 6A

Special-Status Plant Occurrences within 1 Mile of the BSA

Biological Study Area (BSA)

Rare Plants Survey Observed in BSA
- Mt. Hamilton fountain thistle
- Smooth lessingia
- most beautiful jewel-flower

Special Status Plant Occurrences
-California seablite
-Congdon’s tarplant
-Hall’s bush-mallow
-Hoover’s button-celery
-Indian Valley bush-mallow
-Loma Prieta hoita
-Metcalf Canyon jewel-flower

NOTE: Labels indicate unique CNDDB occurrence identifiers.

Base map source: Esri 2013
Figure 6B

Special Status Wildlife Occurrences within 1 Mile of the BSA

Base map source: Esri 2013
Special-status species data source: California Natural Diversity Database (CNDDB), May 2012.

NOTE: Labels indicate unique CNDDB occurrence identifiers.
Permanent Impacts to Habitat Types in the Project Area

Biological Study Area (BSA)

Habitat Type
- California Sycamore Woodland
- Landscaped
- Pavement
- Ruderal Disturbed

Project Area

Figure 7
Sheet 1
Permanent Impacts to Habitat Types in the Project Area
Permanent Impacts to Habitat Types in the Project Area

Biological Study Area (BSA)

- California Sycamore Woodland
- Landscaped
- Pavement
- Ruderal Disturbed

Project Area

Figure 7
Sheet 2
Permanent Impacts to Habitat Types in the Project Area
Figure 7
Sheet 3
Permanent Impacts to Habitat Types in the Project Area
Permanent Impacts to Habitat Types in the Project Area

- **Biological Study Area (BSA)**
- **Project Area**

**Habitat Type**
- California Sycamore Woodland
- Landscaped
- Pavement
- Ruderal Disturbed

Figure 7  
Sheet 4  
Permanent Impacts to Habitat Types in the Project Area
Figure 8
Sheet Index
Potentially Jurisdictional Wetlands and Waters of the United States in the BSA
Figure 8
Sheet 1
Waters and Wetlands of the U.S. in the BSA and Project Area

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this data set do not include names for all ephemeral and intermittent waterways.
Figure 8
Sheet 2
Waters and Wetlands of the U.S. in the BSA and Project Area

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in the dataset include names for all ephemeral and intermittent waterways.

1 inch = 500 feet
CWUS-1 Culverted Water - Permanente Creek

WUS-20 Permanente Creek

WUS-22 Permanente Creek

Mountain View Slough

Permante Creek

Figure 8
Sheet 4
Waters and Wetlands of the U.S. in the BSA and Project Area

Project Area
Biological Study Area (BSA)
Other waters of the U.S.
Wetlands
Stream/River*

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
Waters and Wetlands of the U.S. in the BSA and Project Area

**Biological Study Area (BSA)**

**Other waters of the U.S.**

**Wetlands**

**Streams/Rivers**

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this dataset may include names for all ephemeral and intermittent waterways.*

1 inch = 500 feet

Figure 8
Sheet 5
Waters and Wetlands of the U.S. in the BSA and Project Area
Figure 8
Sheet 6
Waters and Wetlands of the U.S. in the BSA and Project Area

Streams and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.

*1 inch = 500 feet*
Figure 8
Sheet 7
Waters and Wetlands of the U.S. in the BSA and Project Area

Streams and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams in this dataset are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet
Waters and Wetlands of the U.S. in the BSA and Project Area

Project Area
- Biological Study Area (BSA)
- Other waters of the U.S.
- Wetlands
- Stream/River*

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in the dataset do not have names because they include canals for all ephemeral and intermittent waterways.

1 inch = 500 feet

Figure 8  
Sheet 8  
Waters and Wetlands of the U.S. in the BSA and Project Area
WUS-2 Stevens Creek

Stevens Creek Biomedical Study Area (BSA)

Other waters of the U.S.

Wetlands

Stream/River

Figure 8
Sheet 9
Waters and Wetlands of the U.S. in the BSA and Project Area

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this dataset do not include names for all ephemeral and intermittent waterways.
Figure 8
Sheet 11
Waters and Wetlands of the U.S. in the BSA and Project Area

Legend:
- Project Area
- Biological Study Area (BSA)
- Other waters of the U.S.
- Wetlands
- Stream/River*

Note: Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in the dataset are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet

Scale:
- 0 250 500 Feet
- Caltrans State Route 85 Express Lanes

File Path:
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Figure 8
Sheet 12
Waters and Wetlands of the U.S. in the BSA and Project Area

Streams and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams in this dataset that are ephemeral or intermittent do not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this dataset that are ephemeral or intermittent do not include names for all ephemeral and intermittent waterways.
Waters and Wetlands of the U.S. in the BSA and Project Area

Biological Study Area (BSA)
Other waters of the U.S.
Wetlands
Stream/River*

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some names in this dataset do not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet

Figure 8
Sheet 13
Waters and Wetlands of the U.S. in the BSA and Project Area
Figure 8
Sheet 14
Waters and Wetlands of the U.S. in the BSA and Project Area

Project Area
Biological Study Area (BSA)
Other waters of the U.S.
Wetlands
Stream/River*

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in color blue do not have names and will be labeled as ephemeral or intermittent waterways.

1 inch = 500 feet
Figure 8
Sheet 15
Waters and Wetlands of the U.S. in the BSA and Project Area

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this dataset may not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet

Project Area
Biological Study Area (BSA)
Other waters of the U.S.
Wetlands
Stream/River*

CWUS-4 Culverted Water - Regnart Creek

Regnart Creek

Caltrans
State Route 85 Express Lanes

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WUS-4 Calabazas Creek

WUS-5 Stormwater Drain

WWUS-2 Calabazas Creek

CWUS-5 Culverted Water

WUS-4 Calabazas Creek

WUS-5 Stormwater Drain

*Streams and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams in the dataset do not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet
Figure 8
Sheet 17
Waters and Wetlands of the U.S. in the BSA and Project Area

*Streams and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams in this dataset are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet
WUS-7 Saratoga Creek

Figure 8
Sheet 18
Waters and Wetlands of the U.S. in the BSA and Project Area

Biological Study Area (BSA)
Other waters of the U.S.
Wetlands
Stream/River

Streams and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams in the dataset include names for all ephemeral and intermittent waterways.

1 inch = 500 feet
Figure 8
Sheet 19
Waters and Wetlands of the U.S. in the BSA and Project Area

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in the dataset include names for all ephemeral and intermittent waterways.
Figure 8
Sheet 20
Waters and Wetlands of the U.S. in the BSA and Project Area

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in areas of the map that are not shown on the National Hydrography Dataset are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet

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Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in areas of the map that are not shown on the National Hydrography Dataset are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet
*Streams and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams in the dataset may include names for all perennial and intermittent waterways.

1 inch = 500 feet
Figure 8
Sheet 22
Waters and Wetlands of the U.S. in the BSA and Project Area

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this data set are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet
Waters and Wetlands of the U.S. in the BSA and Project Area

Biological Study Area (BSA)

Other waters of the U.S.

Wetlands

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this dataset are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.
WUS:11 Ross Creek

Figure 8
Sheet 24
Waters and Wetlands of the U.S. in the BSA and Project Area

Biological Study Area (BSA)
Other waters of the U.S.
Wetlands
Stream/River*

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this dataset are shown as dashed lines. This map includes names for all ephemeral and intermittent waterways.

1 inch = 500 feet
Stream and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams are not labeled because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet

Figure 8
Sheet 25
Waters and Wetlands of the U.S. in the BSA and Project Area
Figure 8

0 250 500 Feet
1 inch = 500 feet

WUS-15 Canoas Creek

Biological Study Area (BSA)
Other waters of the U.S.
Wetlands
Stream/Rivers

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this dataset are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet

Waters and Wetlands of the U.S. in the BSA and Project Area

Caltrans
State Route 85 Express Lanes

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Project Area

Canoas Creek

0 250 500 Feet
1 inch = 500 feet

Waters and Wetlands of the U.S. in the BSA and Project Area
Figure 8
Sheet 27
Waters and Wetlands of the U.S. in the BSA and Project Area

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet
Canoas Creek

Figure 8
Sheet 28
Waters and Wetlands of the U.S. in the BSA and Project Area

Biological Study Area (BSA)
Other waters of the U.S.
Wetlands
Stream/River*

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this dataset include names for all ephemeral and intermittent waterways.

1 inch = 500 feet

Caltrans
State Route 85 Express Lanes

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Figure 8
Sheet 29
Waters and Wetlands of the U.S. in the BSA and Project Area

*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this dataset are not labeled because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet
Figure 8
Waters and Wetlands of the U.S. in the BSA and Project Area

Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some streams in this dataset include names for ephemeral and intermittent waterways.
*Streams and rivers shown as blue lines in this figure are from the National Hydrography Dataset. Some names of water bodies may not be included here because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet

Project Area
Biological Study Area (BSA)
Other waters of the U.S.
Wetlands
Stream/River*

Figure 8
Sheet 31
Waters and Wetlands of the U.S. in the BSA and Project Area

Caltrans
State Route 85 Express Lanes
WUS-6 Coyote Creek

WWUS-8 Coyote Creek

HWUS-1 Historic Water

WUS-16 Ephemeral Drainage, Coyote

WWUS-7 Coyote Creek

WWUS-9 Perennial Freshwater Wetland

WWUS-10 Perennial Freshwater Wetland (cattail)

Figure 8
Sheet 32
Waters and Wetlands of the U.S. in the BSA and Project Area
**Figure 8**
Waters and Wetlands of the U.S. in the BSA and Project Area

Streams and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams included in the figure are unlabeled because the dataset does not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet
Figure 8
Sheet 34
Waters and Wetlands of the U.S. in the BSA and Project Area

*Streams and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams in the dataset do not include names for all ephemeral and intermittent waterways.

1 inch = 500 feet

Project Area
Biological Study Area (BSA)
Other waters of the U.S.
Wetlands
Stream/River*

Caltrans
State Route 85 Express Lanes
Figure 8
Sheet 35
Waters and Wetlands of the U.S. in the BSA and Project Area

Streams and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams in real life may not be labeled because the dataset does not include names for all ephemeral and intermittent waterways.

*Streams and rivers shown as blue lines in the figure are from the National Hydrography Dataset. Some streams in real life may not be labeled because the dataset does not include names for all ephemeral and intermittent waterways.
Figure 9
Sheet 1
Impacts to Upland Dispersal Habitat in the Project Area
Impacts to Upland Dispersal Habitat in the Project Area

Project Area

Biological Study Area (BSA)

Temporary Impact to Upland Habitat

Environmentally Sensitive Area (ESA) Fencing

Sheet 2

Impacts to Upland Dispersal Habitat in the Project Area
Impacts to Upland Dispersal Habitat in the Project Area

Project Area
Biological Study Area (BSA)
Temporary Impact to Upland Habitat
Environmentally Sensitive Area (ESA) Fencing

Caltrans
State Route 85 Express Lanes
Impacts to Upland Dispersal Habitat in the Project Area

- Project Area
- Biological Study Area (BSA)
- Temporary Impact to Upland Habitat
- Environmentally Sensitive Area (ESA) Fencing

Caltrans
State Route 85 Express Lanes

URS Corp - Oakland CA - F.Bashir Path: L:\Projects\Caltrans_SR_85_Express_Lanes_28645170\Maps\MXT\NES\Figure_9_Impacts.mxd
Impacts to Upland Dispersal Habitat in the Project Area

- **Environmental Sensitive Area (ESA) Fencing**
- **Biological Study Area (BSA)**
- **Temporary Impact to Upland Habitat**
- **Environmentally Sensitive Area (ESA) Fencing**

Figure 9
Sheet 6
Impacts to Upland Dispersal Habitat in the Project Area
Figure 9

Sheet 7

Impacts to Upland Dispersal Habitat in the Project Area
Impacts to Upland Dispersal Habitat in the Project Area

- Project Area
- Biological Study Area (BSA)
- Temporary Impact to Upland Habitat
- Environmentally Sensitive Area (ESA) Fencing
Figure 9
Sheet 10
Impacts to Upland Dispersal Habitat in the Project Area

- Project Area
- Biological Study Area (BSA)
- Temporary Impact to Upland Habitat
- Environmentally Sensitive Area (ESA) Fencing

Caltrans
State Route 85 Express Lanes