The study area contains eight different preserve areas that are managed specifically for the protection and conservation of sensitive biological resources. These lands are managed by the U.S. Fish & Wildlife Service, California Department of Fish & Wildlife, City of San Diego, Otay Water District, County of San Diego, City of Chula Vista, and Bureau of Land Management. As shown below, numerous trail planning efforts have been implemented individually by each of these agencies; however, many of these trail alignments have not undergone environmental review and were never fully permitted. A comprehensive trail planning effort is needed to ensure a coordinated trail system in the study area. The study will consider previous trail planning efforts in the design of the trail system, as well as the compatibility of trails with the permitted public uses and sensitive resources present on the different conserved lands within the study area.

**Conserved Lands**

![Conserved Lands Map]

**Previous Trail Planning Efforts**

![Previous Trail Planning Efforts Map]
The study area contains numerous species of sensitive plants and wildlife, as well as habitats that are considered critically important for the survival of those species. The figures below show the locations of known sensitive species within the study area. It should be noted that the sensitive species locations shown on this map are limited to available survey data, and sensitive species may be prevalent in other areas throughout the study area. The trail study will consider the compatibility of trails with these sensitive species and habitats, and will avoid and minimize impacts to these species to the maximum extent practicable. This may include avoiding specific habitat areas or incorporating trail design features that minimize disturbance from noise, lighting, run-off, and intrusion.

Sensitive Plants

Sensitive Wildlife
The study area contains vegetation communities and aquatic resources, such as lakes, rivers, streams, and wetlands. Some vegetation communities, such as coastal sage scrub, chaparral, grassland, forest, and wetlands, are considered regionally sensitive. The trail alignment study will consider these resources when planning conceptual trail alignments, and impacts to sensitive vegetation communities and aquatic resources will be avoided to the maximum extent practicable.

**Vegetation Communities**

- Coastal Sage Scrub
- Chaparral
- Grassland
- Forest
- Wetlands
- Coastal Scrub
- Coastal Sage Scrub
- Coastal Sage Scrub: Coastal Form
- Disturbed Habitat
- Estuarine Woodland
- Grassy Landscape
- Southwestern California Riparian Forest
- Southwestern California Riparian Forest: Broadleaf
- Southwestern California Riparian Forest: Evergreen
- Southwestern Maritime Chaparral
- Southwestern Maritime Scarp
- Southwestern Riparian Forest
- Southwestern Riparian Scrub
- Southwestern Riparian Woodland
- Urban/Suburban
- Vineyard
- Wildlife Field
- Scrub Oak Chaparral
- Substitute Areas: Willow Riparian Forest
- Wetland
- Riparian Vegetation
- Upland
- Urban/Suburban
- Vineyard
- Wildlife Field
- Wetland

**Aquatic Resources**

- Otay Trail Study Area
- Rivers (SanDiego)
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine