
**Appendix C Sensitive Species Potentially Occurring
within the Study Area**

Appendix C Sensitive Species Potentially Occurring within the Study Area

Common Name	Scientific Name	Status Fed/CA(/CNPS)	Habitat and Seasonal Distribution in California	Potential to Occur on Site
WILDLIFE				
Fish				
Santa Ana sucker	<i>Catostomus santaanae</i>	FED: FT CA: SC	Endemic to Los Angeles basin south coastal streams.	Not Likely to occur. No suitable habitat.
Invertebrates				
San Diego fairy shrimp	<i>Branchinecta sandiegonensis</i>	FED: FE CA: None	Endemic to San Diego and Orange county mesas.	Not Likely to occur. No suitable habitat.
tiger beetle	<i>Cicindela gabbii</i>	FED: None CA: SC	Inhabits estuaries and mudflats along the coast of southern California.	Not Likely to occur. No suitable habitat.
sandy beach tiger beetle	<i>Cicindela hirticollis gravida</i>	FED: None CA: SC	Inhabits areas adjacent to non-brackish water along the coast of California from San Francisco Bay to northern Mexico.	Not Likely to occur. No suitable habitat.
tiger beetle	<i>Cicindela latesignata latesignata</i>	FED: None CA: SC	Inhabits estuaries and mudflats along the coast of southern California.	Not Likely to occur. No suitable habitat.
globose dune beetle	<i>Coelus globosus</i>	FED: None CA: SC	Inhabitant of coastal sand dune habitat, from bodega head in Sonoma county south to Ensenada, Mexico.	Not Likely to occur. No suitable habitat.
monarch butterfly	<i>Danaus plexippus</i>	FED: None CA: SC	Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico.	Low potential to occur.
mimic tryonia	<i>Tryonia imitator</i>	FED: None CA: SC	Inhabits coastal lagoons, estuaries and salt marshes, from Sonoma County south to San Diego County.	Not Likely to occur. No suitable habitat.
Reptiles				
southwestern pond turtle	<i>Actinemys marmorata pallida</i>	FED: None CA: SC	Inhabits permanent or nearly permanent bodies of water in many habitat types; below 6000ft elevation.	Not Likely to occur. No suitable habitat.
orange-throated whiptail	<i>Aspidoscelis hyperythra</i>	FED: None CA: SC	Inhabits low-elevation coastal scrub, chaparral, and valley-foothill hardwood habitats.	Not Likely to occur. No suitable habitat.
rosy boa	<i>Charina trivirgata</i>	FED: None CA: SC	Desert and chaparral from the coast to the Mojave and Colorado deserts. Prefers moderate to dense vegetation and rocky cover.	Not Likely to occur. No suitable habitat.
northern red-diamond rattlesnake	<i>Crotalus ruber ruber</i>	FED: None CA: SC	Chaparral, woodland, grassland, and desert areas from coastal San Diego county to the eastern slopes of the mountains.	Not Likely to occur. No suitable habitat.

Appendix C Sensitive Species Potentially Occurring within the Study Area

Common Name	Scientific Name	Status Fed/CA/(CNPS)	Habitat and Seasonal Distribution in California	Potential to Occur on Site
coast (San Diego) horned lizard	<i>Phrynosoma coronatum</i>	FED: None CA: SC	Inhabits coastal sage scrub and chaparral in arid and semi-arid climate conditions.	Not Likely to occur. No suitable habitat.
Birds				
Cooper's hawk	<i>Accipiter cooperii</i>	FED: None CA: SC	Woodland, chiefly of open, interrupted or marginal type.	Low potential to occur.
southern California rufous-crowned sparrow	<i>Aimophila ruficeps canescens</i>	FED: None CA: SC	Resident in southern California coastal sage scrub and sparse mixed chaparral.	Not Likely to occur. No suitable habitat.
great blue heron	<i>Ardea herodias</i>	FED: None CA: SC	Colonial nester in tall trees, cliff sides, and sequestered spots on marshes.	Not Likely to occur. No suitable habitat.
burrowing owl	<i>Athene cunicularia</i>	FED: None CA: SC	Open, dry annual or perennial grasslands, deserts and scrublands characterized by low-growing vegetation.	Not Likely to occur. No suitable habitat.
coastal cactus wren	<i>Campylorhynchus brunneicapillus sandiegensis</i>	FED: None CA: SC	Southern California coastal sage scrub.	Not Likely to occur. No suitable habitat.
western snowy plover	<i>Charadrius alexandrinus nivosus</i>	FED: FT CA: SC	Federal listing applies only to the pacific coastal population.	Not Likely to occur. No suitable habitat.
white-tailed kite	<i>Elanus leucurus</i>	FED: None CA: SC	Coastal sage scrub.	Not Likely to occur. No suitable habitat.
California horned lark	<i>Eremophila alpestris actia</i>	FED: None CA: SC	Coastal regions, chiefly from Sonoma county to San Diego county. Also main part of San Joaquin Valley & east to foothills.	Not Likely to occur. No suitable habitat.
yellow-breasted chat	<i>Icteria virens</i>	FED: None CA: SC	Summer resident; inhabits riparian thickets of willow & other brushy tangles near watercourses.	Not Likely to occur. No suitable habitat.
California black rail	<i>Laterallus jamaicensis coturniculus</i>	FED: None CA: ST	Mainly inhabits salt-marshes bordering larger bays.	Not Likely to occur. No suitable habitat.
osprey	<i>Pandion haliaetus</i>	FED: None CA: SC	May nest in any location which is near a body of water and which provides safety and an abundance of fish.	Not Likely to occur. No suitable habitat.
Belding's savannah sparrow	<i>Passerculus sandwichensis beldingi</i>	FED: None CA: SE	Inhabits coastal salt marshes, from Santa Barbara south through San Diego county.	Not Likely to occur. No suitable habitat.

Appendix C Sensitive Species Potentially Occurring within the Study Area

Common Name	Scientific Name	Status Fed/CA(/CNPS)	Habitat and Seasonal Distribution in California	Potential to Occur on Site
coastal California gnatcatcher	<i>Poliophtila californica californica</i>	FED: FT CA: SC	Obligate, permanent resident of coastal sage scrub below 2500ft in elevation in southern California.	Not Likely to occur. No suitable habitat.
light-footed clapper rail	<i>Rallus longirostris levipes</i>	FED: FE CA: SE	Found in salt marshes traversed by tidal sloughs, where cordgrass and pickleweed are the dominant vegetation.	Not Likely to occur. No suitable habitat.
California least tern	<i>Sterna antillarum browni</i>	FED: FE CA: SE	Nests along the coast from San Francisco Bay south to northern Baja California.	Not Likely to occur. No suitable habitat.
least Bell's vireo	<i>Vireo bellii pusillus</i>	FED: FE CA: SE	Summer resident of southern California in low riparian in vicinity of water or in dry river bottoms; below 2000ft in elevation.	Not Likely to occur. No suitable habitat.

Mammals

Mexican long-tongued bat	<i>Choeronycteris mexicana</i>	FED: None CA: SC	Occasionally found in San Diego county, which is on the periphery of their range. Occurs in a variety of habitats, including thorn scrub, Palo Verde-saguaro desert, semidesert grassland, oak woodland and tropical deciduous forests. Although most frequently found in desert canyons, they have been observed in oak and ponderosa pine habitat	Low potential to occur.
western mastiff bat	<i>Eumops perotis californicus</i>	FED: None CA: SC	Away from human habitations, generally seeks diurnal refuge in crevices in rocks that form vertical or nearly vertical cliffs.	Not Likely to occur. No suitable habitat.
hoary bat	<i>Lasiurus cinereus</i>	FED: None CA: SC	Prefer trees at the edge of clearings, but have been found in trees in heavy forests, open wooded glades, and shade trees along urban streets and in city parks.	Low potential to occur.
Yuma myotis	<i>Myotis yumanensis</i>	FED: None CA: SC	Primarily an inhabitant of desert regions where it is most commonly encountered in lowland habitats near open water, where it prefers to forage.	Not Likely to occur. No suitable habitat.
big free -tailed bat	<i>Nyctinomops macrotis</i>	FED: None CA: SC	Low-lying arid areas in southern California.	Not Likely to occur. No suitable habitat.
Pacific pocket mouse	<i>Perognathus longimembris pacificus</i>	FED: FE CA: SC	Inhabits the narrow coastal plains from the Mexican border north to El Segundo, Los Angeles County.	Not Likely to occur. No suitable habitat.
southern California saltmarsh shrew	<i>Sorex ornatus salicornicus</i>	FED: None CA: SC	Coastal marshes in Los Angeles, Orange and Ventura Counties.	Not Likely to occur. No suitable habitat.
American badger	<i>Taxidea taxus</i>	FED: None CA: SC	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils.	Not Likely to occur. No suitable habitat.

Appendix C Sensitive Species Potentially Occurring within the Study Area

Common Name	Scientific Name	Status Fed/CA/(CNPS)	Habitat and Seasonal Distribution in California	Potential to Occur on Site
PLANTS				
chaparral sand-verbena	<i>Abronia villosa</i> var. <i>aurita</i>	FED: None CA: None CNPS: 1 B	Chaparral, coastal scrub. Sandy areas. 80-1600m. Blooming March to August.	Not Likely to occur. No suitable habitat.
aphanisma	<i>Aphanisma blitoides</i>	FED: None CA: None CNPS: 1 B	Coastal bluff scrub, coastal dunes, coastal scrub. On bluffs and slopes near the ocean in sandy or clay soils. In steep decline on the islands and the mainland. 1-305m. Blooming April to May.	Not Likely to occur. No suitable habitat.
Coulter's saltbush	<i>Atriplex coulteri</i>	FED: None CA: None CNPS: 1 B	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland. Ocean bluffs, ridge tops, as well as alkaline low places. 10-440m. Blooming April to October.	Not Likely to occur. No suitable habitat.
south coast saltscale	<i>Atriplex pacifica</i>	FED: None CA: None CNPS: 1 B	Coastal scrub, coastal bluff scrub, playas, chenopod scrub. Alkali soils. 1-500m. Blooming March to October.	Not Likely to occur. No suitable habitat.
Davidson's saltscale	<i>Atriplex serenana</i> var. <i> davidsonii</i>	FED: None CA: None CNPS: 1 B	Coastal bluff scrub, coastal scrub. Alkaline soil. 3-250m. Blooming April to October.	Not Likely to occur. No suitable habitat.
southern tarplant	<i>Centromadia parryi</i> ssp. <i>australis</i>	FED: None CA: None CNPS: 1 B	Marshes and swamps (margins), valley and foothill grassland, vernal pools. Often in disturbed sites near the coast; also in alkaline soils sometimes with saltgrass; also vernal pools. 0-425m. Blooming July to September.	Not Likely to occur. No suitable habitat.
San Fernando valley spineflower	<i>Chorizanthe parryi</i> var. <i>fernandina</i>	FED: FC CA: SE CNPS: 1 B	Coastal scrub. Sandy soils. 3-1035m. Blooming April to June.	Not Likely to occur. No suitable habitat.
salt marsh bird's-beak	<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>	FED: FE CA: SE CNPS: 1 B	Coastal salt marsh, coastal dunes. Limited to the higher zones of the salt marsh habitat. 0-30m. Blooming May to October.	Not Likely to occur. No suitable habitat.
many-stemmed dudleya	<i>Dudleya multicaulis</i>	FED: None CA: None CNPS: 1 B	Chaparral, coastal scrub, valley and foothill grassland. In heavy, often clayey soils or grassy slopes. 0-790m. Blooming May to June.	Not Likely to occur. No suitable habitat.
Santa Ana River woollystar	<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	FED: FE CA: SE CNPS: 1 B	Found only within open washes and early-successional alluvial fan scrub on open slopes above main watercourses on fluvial deposits where flooding and scouring occur at a frequency that allows the persistence of open shrublands. Suitable habitat is comprised of a patchy distribution of gravelly soils, sandy soils, rock mounds, and boulder fields 150-610m. Blooming Jun to September.	Not Likely to occur. No suitable habitat.
Los Angeles sunflower	<i>Helianthus nuttallii</i> ssp. <i>parishii</i>	FED: None CA: None CNPS: 1 A	Marshes and swamps (coastal salt and freshwater). Historical from southern California. 5-1675m. Blooming February to October.	Not Likely to occur. No suitable habitat.

Appendix C Sensitive Species Potentially Occurring within the Study Area

Common Name	Scientific Name	Status Fed/CA(/CNPS)	Habitat and Seasonal Distribution in California	Potential to Occur on Site
Coulter's goldfields	<i>Lasthenia glabrata</i> <i>ssp. coulteri</i>	FED: None CA: None CNPS: 1B	Coastal salt marshes, playas, valley and foothill grassland, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 1-1400m. Blooming April to June.	Not Likely to occur. No suitable habitat.
mud nama	<i>Nama stenocarpum</i>	FED: None CA: None CNPS: 2	Marshes and swamps. Lake shores, river banks, intermittently wet areas. 5-500m. Blooming March to May.	Not Likely to occur. No suitable habitat.
prostrate navarretia	<i>Navarretia prostrata</i>	FED: None CA: None CNPS: 1B	Coastal scrub, valley and foothill grassland, vernal pools. Alkaline soils in grassland, or in vernal pools. 15-700m. Blooming April to May.	Not Likely to occur. No suitable habitat.
coast woolly-heads	<i>Nemacaulis denudata</i> var. <i>denudata</i>	FED: None CA: None CNPS: 1B	Coastal dunes. 0-100m. Blooming April to September.	Not Likely to occur. No suitable habitat.
rayless ragwort	<i>Senecio aphanactis</i>	FED: None CA: None CNPS: 2	Annual herb. Cismontane woodland, coastal scrub, and chaparral on drying alkaline flats. Blooming January to April.	Not Likely to occur. No suitable habitat.
salt spring checkerbloom	<i>Sidalcea neomexicana</i>	FED: None CA: None CNPS: 2	Alkali playas, brackish marshes, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub. Alkali springs and marshes. 0-1500m. Blooming March to June.	Not Likely to occur. No suitable habitat.
estuary seablite	<i>Suaeda esteroa</i>	FED: None CA: None CNPS: 1B	Marshes and swamps. Coastal salt marshes in clay, silt, and sand substrates. 0-5m. Blooming August to October.	Not Likely to occur. No suitable habitat.
San Bernardino aster	<i>Symphotrichum defoliatum</i>	FED: None CA: None CNPS: 1B	Meadows and seeps, marshes and swamps, coastal scrub, cismontane woodland, lower montane coniferous forest, grassland. Vernal mesic grassland or near ditches, streams and springs; disturbed areas. 2-2040m. Blooming: July to November.	Not Likely to occur. No suitable habitat.
crownbeard	<i>Verbesina dissita</i>	FED: FT CA: ST CNPS: 1B	Gentle north-facing hillside in open annual grassland. Sandy clay soil.	Not Likely to occur. No suitable habitat.

CDFG SENSITIVE HABITATS

Southern California Arroyo Chub/Santa Ana Sucker Stream	N/A	FED: None CA: CDFG Identified Sensitive Habitat	Absent
Southern Coast Live Oak Riparian Forest	N/A	FED: None CA: CDFG Identified Sensitive Habitat	Absent
Southern Coastal Salt Marsh	N/A	FED: None CA: CDFG Identified Sensitive Habitat	Absent
Southern Cottonwood Willow Riparian Forest	N/A	FED: None CA: CDFG Identified Sensitive Habitat	Absent
Southern Dune Scrub	N/A	FED: None CA: CDFG Identified Sensitive Habitat	Absent
Southern Foredunes	N/A	FED: None CA: CDFG Identified Sensitive Habitat	Absent

Appendix C Sensitive Species Potentially Occurring within the Study Area

Common Name	Scientific Name	Status Fed/CA/(CNPS)	Habitat and Seasonal Distribution in California	Potential to Occur on Site
Southern Sycamore Alder Riparian Woodland		N/A	FED: None CA: CDFG Identified Sensitive Habitat	Absent
California Walnut Woodland		N/A	FED: None CA: CDFG Identified Sensitive Habitat	Absent

Source: California Department of Fish and Game. *California Natural Diversity Database*. January 2010.

Federal (FED)

- FE = Federally listed; Endangered
- FT = Federally listed; Threatened
- SC = Federal Species of Concern; not an active term, and is provided for informational purposes only.
- FPE = Federally Proposed for Listing as Endangered
- FPT = Federally Proposed for Listing as Threatened
- FC = Federal candidate species (former Category 1 candidates)

State (CA)

- SE = State listed; Endangered
- ST = State listed; Threatened
- FP = Fully protected under the *California Endangered Species Act*
- SA = State Special Animal
- SC = California Species of Special Concern

California Native Plant Society (CNPS) designations analyzed

- List 1A: Plants presumed extinct in California
- List 1B: Plants rare and endangered in California and throughout their range
- List 2: Plants rare, threatened or endangered in California but more common elsewhere in their range.