Appendix E

Biological Resources

Appendix E-1

Special-Status Plant Species PTO

APPENDIX E-1 Special-Status Plant Species Potential to Occur within the Study Area

Scientific Name	Common Name	Status ¹ (Federal/State/CR PR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Abronia villosa var. aurita	chaparral sand-verbena	None/None/1B.1	Chaparral, Coastal scrub, Desert dunes; sandy/annual herb/(Jan)Mar–Sep/245–5,245	Low potential to occur. There is minimal coastal sage scrub within project X-086 that can potentially provide suitable habitat for this species and the nearest CNDDB occurrence is approximately 1 mile north from this project area. However, the coastal scrub found is likely ornamental landscaping using native vegetation and therefore the soil has been disturbed.
Aphanisma blitoides	aphanisma	None/None/1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub; sandy or gravelly/annual herb/Feb–June/0–1,000	Low potential to occur. There is minimal coastal sage scrub within a small portion of project X-086; However this seems to be ornamental landscaping using native vegetation where the soil has been disturbed and likely not suitable for this species. Additionally, the nearest documented CNDDB occurrence is over 12 miles from the area (CDFW 2020).
Astragalus hornii var. hornii	Horn's milk-vetch	None/None/1B.1	Meadows and seeps, Playas; lake margins, alkaline/annual herb/May–Oct/195–2,785	Not expected to occur. The project areas associated with the Facilities Master Plan are in mostly developed areas and lack any meadows, playas or lake margins.

Scientific Name	Common Name	Status ¹ (Federal/State/CR PR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Astragalus pycnostachyus var. lanosissimus	Ventura marsh milk- vetch	FE/SE/1B.1	Coastal dunes, Coastal scrub, Marshes and swamps (edges, coastal salt or brackish)/perennial herb/(June)Aug–Oct/0–115	Not expected to occur. There is minimal coastal sage scrub within a small portion of project X-086; However this seems to be ornamental landscaping using native vegetation where the soil has been disturbed and likely not suitable habitat for this species. Additionally, there is only one known CNDDB occurrence within Orange County, CA.
Atriplex coulteri	Coulter's saltbush	None/None/1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub, Valley and foothill grassland; alkaline or clay/perennial herb/Mar–Oct/5–1,505	Low potential to occur. There are no coastal bluffs or coastal sand dunes to support this species. Additionally, the minimal coastal scrub within project X- 086 is landscaped with disturbed soils.
Atriplex pacifica	South Coast saltscale	None/None/1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub, Playas/annual herb/Mar–Oct/0–460	Low potential to occur. The project areas associated with the OCSD facilities master plan lack coastal bluffs, dunes, and playas. There is minimal coastal scrub present within project X-086, however the soils have been previously disturbed due to it likely being landscaped using native vegetation.
Atriplex parishii	Parish's brittlescale	None/None/1B.1	Chenopod scrub, Playas, Vernal pools; alkaline/annual herb/June–Oct/80–6,230	Not expected to occur. Suitable habitat such as chenopod scrub, playas and vernal pools are absent within the project areas.

Scientific Name	Common Name	Status ¹ (Federal/State/CR PR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Atriplex serenana var. davidsonii	Davidson's saltscale	None/None/1B.2	Coastal bluff scrub, Coastal scrub; alkaline/annual herb/Apr–Oct/30–655	Low potential to occur. There is minimal coastal scrub in project X-086, however the soils have been previously disturbed due to it likely being landscaped using native vegetation.
Calochortus weedii var. intermedius	intermediate mariposa lily	None/None/1B.2	Chaparral, Coastal scrub, Valley and foothill grassland; rocky, calcareous/perennial bulbiferous herb/May–July/340–2,805	Low potential to occur. There is minimal coastal scrub in project X-086, however the soils have been previously disturbed due to it likely being landscaped using native vegetation.
Calystegia felix	lucky morning-glory	None/None/1B.1	Meadows and seeps (sometimes alkaline), Riparian scrub (alluvial); Historically associated with wetland and marshy places, but possibly in drier situations as well. Possibly silty loam and alkaline/annual rhizomatous herb/Mar–Sep/95– 705	Low potential to occur. Project X-066 has riparian habitat that may be suitable for this species to occur. However, this area is disturbed with surrounding development. Additionally, there are CNDDB occurrences within the Orange County area.
Camissoniopsis lewisii	Lewis' evening-primrose	None/None/3	Coastal bluff scrub, Cismontane woodland, Coastal dunes, Coastal scrub, Valley and foothill grassland; sandy or clay/annual herb/Mar– May(June)/0–985	Not expected to occur. There are no coastal bluffs, cismontane woodland, coastal dunes or grasslands within the project areas. The project X-086 has minimal coastal scrub that can potentially be suitable for this species. However, the soil has been previously disturbed from the landscaping using native vegetation.

Scientific Name	Common Name	Status ¹ (Federal/State/CR PR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Centromadia parryi ssp. australis	southern tarplant	None/None/1B.1	Marshes and swamps (margins), Valley and foothill grassland (vernally mesic), Vernal pools/annual herb/May–Nov/0–1,570	Low potential to occur. There have been multiple occurrences near project 5-68 at the adjacent coastal bluffs outside of the project boundaries. However, there is no suitable natural habitat (i.e marshes, swamps grasslands, or vernal pools) within the project locations.
Chaenactis glabriuscula var. orcuttiana	Orcutt's pincushion	None/None/1B.1	Coastal bluff scrub (sandy), Coastal dunes/annual herb/Jan–Aug/0–330	Not expected to occur. The project areas associated with the OCSD Facilities Master Plan do not contain any coastal bluffs or sand dunes within the project boundaries.
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	FE/SE/1B.2	Coastal dunes, Marshes and swamps (coastal salt)/annual herb (hemiparasitic)/May– Oct(Nov)/0–100	Not expected to occur. There are no coastal dunes, marshes or swamps within the project areas.
Chorizanthe parryi var. fernandina	San Fernando Valley spineflower	FC/SE/1B.1	Coastal scrub (sandy), Valley and foothill grassland/annual herb/Apr–July/490–4,000	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur. Additionally there is only one CNDDB occurrence in the northern side of Orange County and over 8 miles from Project X-086.
Comarostaphylis diversifolia ssp. diversifolia	summer holly	None/None/1B.2	Chaparral, Cismontane woodland/perennial evergreen shrub/Apr–June/95–2,590	Not expected to occur. There is no chaparral or cismontane woodland habitat within the project areas to support this species.

Scientific Name	Common Name	Status ¹ (Federal/State/CR PR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Dudleya multicaulis	many-stemmed dudleya	None/None/1B.2	Chaparral, Coastal scrub, Valley and foothill grassland; often clay/perennial herb/Apr–July/45– 2,590	Low potential to occur. There is minimal coastal sage scrub within project X-086. However, this project seems to be part of a restoration using native landscaping. Therefore the soil has been disturbed and likely not suitable for this species to occur. The nearest CNDDB occurrence is 2.7 miles southeast from Project X-086.
Dudleya stolonifera	Laguna Beach dudleya	FT/ST/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; rocky/perennial stoloniferous herb/May–July/30–855	Low potential to occur. Although there is minimal coastal scrub within Project X-086, this area was previously restored using native habitat and therefore the soils were disturbed and likely not suitable for this species to occur.
Eryngium aristulatum var. parishii	San Diego button-celery	FE/SE/1B.1	Coastal scrub, Valley and foothill grassland, Vernal pools; mesic/annual / perennial herb/Apr– June/65–2,030	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur.
Euphorbia misera	cliff spurge	None/None/2B.2	Coastal bluff scrub, Coastal scrub, Mojavean desert scrub; rocky/perennial shrub/Dec– Aug(Oct)/30–1,640	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur.

Scientific Name	Common Name	Status ¹ (Federal/State/CR PR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Helianthus nuttallii ssp. parishii	Los Angeles sunflower	None/None/1A	Marshes and swamps (coastal salt and freshwater)/perennial rhizomatous herb/Aug– Oct/30–5,000	Not expected to occur. There are no marshes or swamps within the project boundaries of the OCSD facilities management plan.
Hordeum intercedens	vernal barley	None/None/3.2	Coastal dunes, Coastal scrub, Valley and foothill grassland (saline flats and depressions), Vernal pools/annual herb/Mar–June/15–3,280	Not expected to occur. The project areas are within developed areas and lack coastal dunes and grasslands necessary for this species to occur.
Horkelia cuneata var. puberula	mesa horkelia	None/None/1B.1	Chaparral (maritime), Cismontane woodland, Coastal scrub; sandy or gravelly/perennial herb/Feb–July(Sep)/225–2,655	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur. Additionally, the nearest CNDDB occurrence is over 18 miles south of this project area.
Nama stenocarpa	mud nama	None/None/2B.2	Marshes and swamps (lake margins, riverbanks)/annual / perennial herb/Jan–July/15– 1,640	Not expected to occur. The project areas are within mostly developed areas with ornamental landscapes. There are no marshes and swamps for this species to occur.
Nasturtium gambelii	Gambel's water cress	FE/ST/1B.1	Marshes and swamps (freshwater or brackish)/perennial rhizomatous herb/Apr– Oct/15–1,080	Not expected to occur. The project areas are within developed areas and lack suitable habitat (i.e marshes and swamps) necessary for this species to occur.

Scientific Name	Common Name	Status ¹ (Federal/State/CR PR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Navarretia prostrata	prostrate vernal pool navarretia	None/None/1B.2	Coastal scrub, Meadows and seeps, Valley and foothill grassland (alkaline), Vernal pools; Mesic/annual herb/Apr–July/5–3,965	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur.Additionally, the nearest CNDDB occurrence is over 25 miles south of this Project area (CDFW 2020).
Nemacaulis denudata var. denudata	coast woolly-heads	None/None/1B.2	Coastal dunes/annual herb/Apr–Sep/0–330	Not expected to occur. The project areas lack coastal dunes suitable for this species.
Orcuttia californica	California Orcutt grass	FE/SE/1B.1	Vernal pools/annual herb/Apr–Aug/45–2,165	Not expected to occur. The project areas lack vernal pools necessary for this species to occur.
Pentachaeta aurea			Coastal scrub (openings), Valley and foothill	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur. The nearest CNDDB occurrence is approximately 8 miles from this project area (CDFW
ssp. allenii	Allen's pentachaeta	None/None/1B.1	grassland/annual herb/Mar–June/245–1,705	2020).

Scientific Name	Common Name	Status ¹ (Federal/State/CR PR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Phacelia ramosissima var. austrolitoralis	south coast branching phacelia	None/None/3.2	Chaparral, Coastal dunes, Coastal scrub, Marshes and swamps (coastal salt); sandy, sometimes rocky/perennial herb/Mar–Aug/15–985	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur. The nearest CNDDB occurrence is approximately 8 miles from this project area (CDFW 2020).
Phacelia stellaris	Brand's star phacelia	None/None/1B.1	Coastal dunes, Coastal scrub/annual herb/Mar– June/0–1,310	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur. The nearest CNDDB occurrence is approximately 10 miles from this project area and likely extirpated because of the development surround the area (CDFW 2020).
Quercus dumosa	Nuttall's scrub oak	None/None/1B.1	Closed-cone coniferous forest, Chaparral, Coastal scrub; sandy, clay loam/perennial evergreen shrub/Feb–Apr(May–Aug)/45–1,310	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur. The nearest CNDDB occurrence is over 18 miles from this project area (CDFW 2020).

Scientific Name	Common Name	Status ¹ (Federal/State/CR PR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Sagittaria sanfordii	Sanford's arrowhead	None/None/1B.2	Marshes and swamps (assorted shallow freshwater)/perennial rhizomatous herb (emergent)/May–Oct(Nov)/0–2,130	Not expected to occur. There are no marshes and swamps within the project areas associated with the OCSD Facilities Master Plan.
Senecio aphanactis	chaparral ragwort	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub; sometimes alkaline/annual herb/Jan– Apr(May)/45–2,620	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur. The nearest CNDDB occurrence is approximately 10 miles from this project area (CDFW 2020).
Suaeda esteroa	estuary seablite	None/None/1B.2	Marshes and swamps (coastal salt)/perennial herb/(May)July–Oct(Jan)/0–15	Not expected to occur. The project area lacks any marshes or swamps suitable for this species.
Symphyotrichum defoliatum	San Bernardino aster	None/None/1B.2	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Meadows and seeps, Marshes and swamps, Valley and foothill grassland (vernally mesic); near ditches, streams, springs/perennial rhizomatous herb/July– Nov(Dec)/5–6,690	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur. The nearest CNDDB occurrence is over 9 miles from this project area (CDFW 2020).

Scientific Name	Common Name	Status ¹ (Federal/State/CR PR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
			Chaparral (maritime), Coastal scrub/perennial	Low potential to occur. There is minimal coastal scrub within Project X- 086. However, this area was previously restored using native habitat. Therefore the soils have been disturbed and likely not suitable for this species to occur. Additionally, most CNDDB occurrences are found in the southern Orange County area over 20 miles from Project X-086
Verbesina dissita	big-leaved crownbeard	FT/ST/1B.1	herb/(Mar)Apr–July/145–675	(CDFW 2020).

Status Legend:

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FE: Federally listed as endangered

FT: Federally listed as threatened

FC: Federal Candidate for listing

SE: State listed as endangered

ST: State listed as threatened

SR: State Rare

CRPR 1A: Plants Presumed Extirpated in California and Either Rare or Extinct Elsewhere

CRPR 1B: Plants Rare, Threatened, or Endangered in California and Elsewhere

CRPR 2A: Plants Presumed Extirpated in California, But More Common Elsewhere

CRPR 2B: Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere

CRPR 3: Plants About Which More Information is Needed - A Review List

.1 Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)

.2 Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)

.3 Not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

Appendix E-2

Special-Status Wildlife Species PTO

APPENDIX E-2 Special-Status Wildlife Species Potential to Occur within the Study Area

		Status ¹		
Scientific Name	Common Name	(Federal/State)	Habitat	Potential to Occur
	•		Amphibians	
Spea hammondii	western spadefoot	None/SSC	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley–foothill woodlands, pastures, and other agriculture	Not expected to occur. The project areas associated with the OCSD facilities master plan lack the grasslands, vernal pools, or ephemeral wetlands that this species requires to occur.
Reptiles	1		T	
Actinemys marmorata	northwestern pond turtle	None/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Moderate potential to occur. The majority project areas associated with the OCSD facilities master plan lack the streams and ponds necessary for this species to occur. However, a large pond is located adjacent to project X-086 that provides suitable habitat for northwestern pond turtle.
Anniella stebbinsi	southern California legless lizard	None/SSC	Coastal dunes, stabilized dunes, beaches, dry washes, valley–foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and moist sandy or loose, loamy soils	Not expected to occur. The project areas are located in fully developed or disturbed habitat. The ornamental vegetation and non-loamy soils within the project areas are not suitable for this species to occur.
Aspidoscelis hyperythra	orange-throated whiptail	None/WL	Low-elevation coastal scrub, chaparral, and valley– foothill hardwood	Not expected to occur. Although some of the projects associated with the OCSD facilities master plan are found in lower elevation, they are in developed areas with ornamental vegetation. The project areas do not have the chaparral or valley foothill hardwood needed for this species to occur.
Phrynosoma blainvillii	Blainville's horned lizard	None/SSC	Open areas of sandy soil in valleys, foothills, and semi- arid mountains including coastal scrub, chaparral, valley–foothill hardwood, conifer, riparian, pine– cypress, juniper, and annual grassland habitats	Not expected to occur. The project areas lack the suitable habitat necessary for this species to occur.

Scientific Name	Common Name	Status¹ (Federal/State)	Habitat	Potential to Occur
			Birds	
<i>Agelaius tricolor</i> (nesting colony)	tricolored blackbird	BCC/SSC, ST	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberrry; forages in grasslands, woodland, and agriculture	Moderate potential to occur. A portion of Project number X-071 is adjacent to Carr Park where this species has been previously observed less than 1 mile east (CDFW2020 and eBird 2020). The tricolored blackbird may be seen flying overhead; However, there is no suitable wetland habitat within the project boundaries that would support a nesting colony.
Ammodramus savannarum (nesting)	grasshopper sparrow	None/SSC	Nests and forages in moderately open grassland with tall forbs or scattered shrubs used for perches	Not expected to occur. The project areas lack the open grasslands needed for this species to occur.
Ardea herodias (nesting colony)	great blue heron	None/None	Nests in large trees or snags; forages in wetlands, water bodies, watercourses, and opportunistically in uplands, including pasture and croplands	Moderate potential to occur. This species has been previously observed nesting within the OCSD Plant 2 location near the southern end of the project area.
Athene cunicularia (burrow sites & some wintering sites)	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Moderate potential to occur. There are potential open areas with ground squirrel burrows that may provide suitable habitat for this species. Particularly near projects X- 065 and X-066.However, the land is disturbed and likely not suitable for this species.
Buteo regalis (wintering)	ferruginous hawk	BCC/WL	Winters and forages in open, dry country, grasslands, open fields, agriculture	Low potential to occur. The adjacent agricultural field to the east can provide potential suitable habitat for this species to forage; however no occurrences have been recorded in the vicinity of the program area.
<i>Buteo swainsoni</i> (nesting)	Swainson's hawk	BCC/ST	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	High potential to nest. High potential to forage. Project 3-67 has an adjacent agricultural field with suitable habitat for this species to forage. Additionally, there has

Scientific Name	Common Name	Status¹ (Federal/State)	Habitat	Potential to Occur
				been a nest and a pair observed in 2019 less than 1 mile from this project area (CDFW 2020).
Campylorhynchus brunneicapillus sandiegensis (San Diego & Orange Counties only)	coastal cactus wren	BCC/SSC	Southern cactus scrub patches	Not expected to occur. There are no cactus scrub patches within the project areas for this species to occur. The nearest CNDDB occurrence is 1 mile south of Project X-061 and 0.7 miles east of Project X-063.
Charadrius alexandrinus nivosus (nesting)	western snowy plover	FT, BCC/SSC	On coasts nests on sandy marine and estuarine shores; in the interior nests on sandy, barren or sparsely vegetated flats near saline or alkaline lakes, reservoirs, and ponds	Not expected to occur. The project areas do not include any sandy marine or estuarine shores necessary for this species to occur.
Coccyzus americanus occidentalis (nesting)	western yellow-billed cuckoo	FT, BCC/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories	Not expected to occur. The project areas do not include suitable habitat for this species to occur. Although ProjectX-066 has an adjacent disturbed riparian habitat, this area does not have a dense understory and is surrounded by development.
Coturnicops noveboracensis	yellow rail	BCC/SSC	Nesting requires wet marsh/sedge meadows or coastal marshes with wet soil and shallow, standing water	Not expected to occur. There are no meadows or marshes within the project boundaries that are suitable for this species to occur.
<i>Elanus leucurus</i> (nesting)	white-tailed kite	None/FP	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	Low potential to nest. Not expected to forage. Project X-066 has an adjacent disturbed riparian habitat within the project area that may provide suitable habitat for this species to occur. However, this area is isolated and surrounded by development.
Empidonax traillii extimus (nesting)	southwestern willow flycatcher	FE/SE	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	Moderate potential to occur. Project X-066 has an adjacent disturbed riparian habitat within the project area that may provide suitable habitat for this species to occur. However, there have been no CNDDB

Scientific Name	Common Name	Status¹ (Federal/State)	Habitat	Potential to Occur
				occurrences within 5 miles of the project area.
Falco peregrinus anatum (nesting)	American peregrine falcon	FDL, BCC/FP, SDL	Nests on cliffs, buildings, and bridges; forages in wetlands, riparian, meadows, croplands, especially where waterfowl are present	Low potential to nest. Low potential to forage. The project areas associated with the OCSD facilities master plan are in urbanized and developed areas that may have occasional suitable nesting habitat such as buildings and bridges for this species to occur.
<i>Icteria virens</i> (nesting)	yellow-breasted chat	None/SSC	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	Not expected to occur. The project areas associated with the OCSD facilities master plan lack densely vegetated riparian habitat needed for this species to occur. Project X- 066 has disturbed riparian thickets that may be suitable, however, there are no CNDDB occurrences within 5 miles of that project area.
Laterallus jamaicensis coturniculus	California black rail	BCC/FP, ST	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	Not expected to occur. The project areas associated with the OCSD facilities master plan lacks suitable habitat for this species to occur.
Passerculus sandwichensis beldingi	Belding's savannah sparrow	None/SE	Nests and forages in coastal saltmarsh dominated by pickleweed (Salicornia spp.)	Low potential to occur. Although there are saltmarsh communities adjacent to Project X-025 and Plant 2, the areas within the project boundaries lack the suitable habitat necessary for this species to occur.
Polioptila californica californica	coastal California gnatcatcher	FT/SSC	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	High potential to occur. There is landscaped coastal sage scrub adjacent to Project X-086 and there is a CNDDB occurrence less than 1 mile away from this project area. Additionally, projects X-065 and X-066 have also had CNDDB occurrences less than 1 mile away (CDFW 2020 and eBird 2020). However, these project areas lack the sagescrub

Scientific Name	Common Name	Status ¹ (Federal/State)	Habitat	Potential to Occur
				communities suitable for this species to occur.
Rallus obsoletus levipes	Ridgway's rail	FE/SE, FP	Coastal wetlands, brackish areas, coastal saline emergent wetlands	Not expected to occur. The project areas lack any suitable wetlands within the project boundaries for this species to occur.
<i>Riparia riparia</i> (nesting)	bank swallow	None/ST	Nests in riparian, lacustrine, and coastal areas with vertical banks, bluffs, and cliffs with sandy soils; open country and water during migration	Not expected to occur. The project areas associated with the OCSD facilities master plan lack any vertical bank habitat in which this species occurs. Additionally, the projects are located in developed areas where most soils within the project boundaries have been compacted and disturbed.
Setophaga petechia (nesting)	yellow warbler	BCC/SSC	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed- conifer habitats	Low potential to occur. There has been one CNDDB occurrence 1 mile north of Project X-086. However this project area lacks riparian thickets and ponderosa pine needed for this species to occur
Sternula antillarum browni (nesting colony)	California least tern	FE/FP, SE	Forages in shallow estuaries and lagoons; nests on sandy beaches or exposed tidal flats	Low potential to occur. May be potentially seen flying overhead as there are sandy beaches adjacent to the Plant 1 facility and Project X-022.with CNDDB occurrences less than 1 mile away. However, the project areas lack any suitable habitat (i.e., estuaries, lagoons, or sandy beaches) for this species to nest or forage.
<i>Vireo bellii pusillus</i> (nesting)	least Bell's vireo	FE/SE	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	Moderate potential to occur. The project area X-066 is adjacent to somewhat disturbed riparian thickets that may provide suitable habitat for this species. Additionally, least Bell's vireo has been recorded less than 1 mile from this project site.

Scientific Name	Common Name	Status ¹ (Federal/State)	Habitat	Potential to Occur
		(1 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	Fishes	
Catostomus santaanae	Santa Ana sucker	FT/None	Small, shallow, cool, clear streams less than 7 meters (23 feet) in width and a few centimeters to more than a meter (1.5 inches to more than 3 feet) in depth; substrates are generally coarse gravel, rubble, and boulder	Moderate potential to occur. The project areas associated with the OCSD facilities master plan are within the geographic range of this species, and while there are no streams within the project boundaries, portions of the Santa Ana River provide suitable and Critical habitat for this species that occur adjacent to Plant 1, Plant 2, and X-063 where a CNDDB occurrence has been recorded (CDFW 2020).
Oncorhynchus mykiss irideus pop. 10	southern steelhead - southern California DPS	FE/None	Clean, clear, cool, well-oxygenated streams; needs relatively deep pools in migration and gravelly substrate to spawn	Not expected to occur. The project areas are outside of the species' known geographic range. Additionally, the project areas associated with the OCSD facilities master plan do not include streams within the project boundaries.
			Mammals	
Choeronycteris mexicana	Mexican long- tongued bat	None/SSC	Desert and montane riparian, desert succulent scrub, desert scrub, and pinyon–juniper woodland; roosts in caves, mines, and buildings	Not expected to occur. The project areas lack the suitable habitat needed for this species to occur (desert and montane riparian, desert scrub, or juniper woodland). Additionally there is only 1 CNDDB occurrence throughout the Orange County area. According to the Western Bat Working Group, this species mainly occurs in the San Diego area (WBWG 2020).
Eumops perotis californicus	western mastiff bat	None/SSC	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	Not expected to occur. There are no rocky canyons or cliffs for this species to roost. This species is only found near significant rock features (WBWG 2020).
Lasiurus cinereus	hoary bat	None/None	Forest, woodland riparian, and wetland habitats; also juniper scrub, riparian forest, and desert scrub in arid	Low potential to occur. Project X-066 has riparian habitat along the eastern portion of the project boundary that may be suitable

Scientific Name	Common Name	Status ¹ (Federal/State)	Habitat	Potential to Occur
		(rederainolate)	areas; roosts in tree foliage and sometimes cavities, such as woodpecker holes	for this species to occur. However, this species is generally found within LA County or San Diego County. Only one CNDDB occurrence has been recorded in the Orange County area (CDFW 2020).
Lasiurus xanthinus	western yellow bat	None/SSC	Valley–foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms	Not expected to occur. This species is associated with palms and other desert riparian habitats (WBWG). There are no desert like habitats within the project area boundaries for this species to occur.
Microtus californicus stephensi	south coast marsh vole	None/SSC	Tidal marshes	Not expected to occur. There are no tidal marshes within any of the OCSD facilities master plan boundaries.
Myotis yumanensis	Yuma myotis	None/None	Riparian, arid scrublands and deserts, and forests associated with water (streams, rivers, tinajas); roosts in bridges, buildings, cliff crevices, caves, mines, and trees	Low potential to occur. There is a CNDDB occurrence approximately 1.5 miles from Project X-063 (CDFW 2020) Although the Santa Ana River is near, with potential suitable foraging habitat, the area within the project boundary lacks any riparian or arid scrublands for this species to occur.
Nyctinomops macrotis	big free-tailed bat	None/SSC	Rocky areas; roosts in caves, holes in trees, buildings, and crevices on cliffs and rocky outcrops; forages over water	Not expected to occur. The project areas lack any rocky areas, caves, or cliffs suitable for this species to occur.
Perognathus longimembris pacificus	Pacific pocket mouse	FE/SSC	fine-grained sandy substrates in open coastal strand, coastal dunes, and river alluvium	Not expected to occur. The only extant locations in Orange County occur in Dana Point, which is over 18 miles south of the projects associated with OCSD facilities master plan. Additionally, the vast majority of soils within the project boundaries have been disturbed or compacted and are not suitable for this species to occur.
Sorex ornatus salicornicus	southern California saltmarsh shrew	None/SSC	Saltmarsh, saltgrass, dense willow, bulrush	Low potential to occur. There are no saltmarshes or salt grass habitats within the project areas suitable for this species. The

Scientific Name	Common Name	Status¹ (Federal/State)	Habitat	Potential to Occur
				nearest CNDDB occurrence is 1.8 miles west of Project area 3-68.
Taxidea taxus	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	Not expected to occur. The study areas are located within developed areas and do not contain open habitat that could support this species.
	-	•	Invertebrates	
Bombus crotchii	Crotch bumble bee	None/PSE	Open grassland and scrub communities supporting suitable floral resources.	Not expected to occur. There are no grassland communities within the project boundaries of the OCSD facilities master plan.
Branchinecta sandiegonensis	San Diego fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. There are no vernal pools or ephemeral pools within any of the project boundaries.
Cicindela gabbii	western tidal-flat tiger beetle	None/None	Inhabits estuaries and mudflats along the coast of Southern California	Not expected to occur. Although there are estuaries south to Plant 2 and other project sites on Pacific Coast Hwy, the project areas do not include suitable habitat within their project boundaries for this species to occur.
Cicindela hirticollis gravida	sandy beach tiger beetle	None/None	Inhabits areas adjacent to non-brackish water along the coast of California from San Francisco Bay to northern Mexico	Low potential to occur. The nearest CNDDB occurrence is approximately 0.5 miles from the project numbers X022 and X-041. However, these project areas are located in developed areas and lack suitable habitat for this species to occur.
Cicindela latesignata latesignata	western beach tiger beetle	None/None	Mudflats and beaches in coastal Southern California	Not expected to occur. The project areas associated with the OCSD facilities master plan lack suitable habitat (i.e., mudflats and beaches) for this species to occur.
Cincindela latesignata obliviosa	Oblivious tiger beetle	None/None	Inhabited the Southern California coastline, from La Jolla north to the Orange County line. Occupied saline mudflats and moist sandy spots in estuaries of small streams in the lower zone. Has not been observed in	Not expected to occur. The project areas associated with the OCSD facilities master plan lack suitable habitat such as estuaries or saline mudflats for this species to occur.

Scientific Name	Common Name	Status¹ (Federal/State)	Habitat	Potential to Occur
			20 years. The oblivious tiger beetle (C. I. obliviosa) is no longer the accepted name for this species (ITIS 2016).	Additionally, there are no CNDDB occurrences within the Orange County area.
Coelus globosus	globose dune beetle	None/None	Inhabitant of coastal sand dune habitat; erratically distributed from Ten Mile Creek in Mendocino County south to Ensenada, Mexico	Low potential to occur. The nearest CNDDB occurrence is approximately 0.5 miles from the project numbers X022 and X-041. However, these project areas are located in developed areas and lack suitable habitat for this species to occur.
Danaus plexippus	monarch	None/None	Wind-protected tree groves with nectar sources and nearby water sources	Not expected to occur. The site is outside of the species' known geographic range and there is no suitable vegetation present.
Euphydryas editha quino	quino checkerspot butterfly	FE/None	Annual forblands, grassland, open coastal scrub and chaparral; often soils with cryptogamic crusts and fine- textured clay; host plants include Plantago erecta, Antirrhinum coulterianum, and Plantago patagonica (Silverado Occurrence Complex)	Not expected to occur. The project areas associated with the OCSD facilities master plan lack the suitable habitat needed for this species to occur. The soils within the project boundaries have been previously disturbed and do not include any specific plant species in which the quino chckerspot butterfly needs to occur. Additionally there have only been 3 CNDDB observations in the entire service area (CDFW 2020).
Panoquina errans	wandering skipper	None/None	Saltmarsh	Not expected to occur. There are no saltmarsh habitats within the OCSD facilities master plan project boundaries.
Streptocephalus woottoni	Riverside fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. The project areas are in generally developed areas. There are no vernal or ephemeral pools within the project area boundaries.
Tryonia imitator	mimic tryonia (=California brackishwater snail)	None/None	Inhabits coastal lagoons, estuaries, and saltmarshes, from Sonoma County south to San Diego County	Not expected occur. The project areas are located in developed areas and lack the suitable habitat necessary for this species to occur.

¹ Status Notes:

FE: Federally Endangered FT: Federally Threatened FC: Federal Candidate BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern SSC: California Species of Special Concern FP: California Fully Protected Species WL: California Watch List Species SE: State Endangered ST: State Threatened SS: List Special Animals List, but no other status

References

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- U. S. Fish and Wildlife Service. February 3, 1994. "Emergency Rule to List the Pacific Pocket Mouse as Endangered." Federal Register 59 (23): 5306-5311.

Western Bat Working Group. Accessed March 2020.

Appendix E-3

CNDDB List of Species

Appendix E-3 California Natural Diversity Database List of Species

Chick galabiControlNomeNomeCalceSizeVersionLater later l	SNAME	СЛАМЕ	FEDLIST	CALLIST	GRANK	SRANK	RPLANTRANK	CDFWSTATUS
International part of the	Cicindela gabbii	western tidal-flat tiger beetle	None	None	G2G4	S1		
Index prigramIndex withowIndex may may be invested on the souther califormia DFSIndex may may be invested on the souther califormia DFSIndex may may be invested on the souther califormia DFSIndex may may be invested on the souther califormia DFSIndex may may be invested on the souther califormia DFSIndex may be invested on the souther califormi	Astragalus hornii var. hornii	Horn's milk-vetch	None	None	GUT1	S1	1B.1	
Pick or generginus anatumPeck Set billingSet Set billingSet Set Set Set Set Set Set Set Set Set	Laterallus jamaicensis coturniculus	California black rail	None	Threatened	G3G4T1	S1		FP
oncomplex mysiss indus par.tealman california Drigo main of anyo Chuly Santa Ana Sucker StreamNone </td <td>Riparia riparia</td> <td>bank swallow</td> <td>None</td> <td>Threatened</td> <td>G5</td> <td>S2</td> <td></td> <td></td>	Riparia riparia	bank swallow	None	Threatened	G5	S2		
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Index numbraNoneNoneNoneNoneNoneSolarSitIFundowity of the daphoundorkerspot hutterforyNoneNoneNoneSolarSolarSolarSolarEuropso perdis californicsconter spalifieldsNoneNoneNoneNoneSolar <td>Coturnicops noveboracensis</td> <td>yellow rail</td> <td>None</td> <td>None</td> <td>G4</td> <td>S1S2</td> <td></td> <td>SSC</td>	Coturnicops noveboracensis	yellow rail	None	None	G4	S1S2		SSC
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Instarting any part in part in part in the state of th	Bombus crotchii	Crotch bumble bee	None	Candidate Endangered	G3G4	S1S2		
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Eumops perotis californicuswestern mastifibatNoneNoneNoneGTAS34SCisocoma menziesii var. decumbentsdecumbent goldenbushNoneNoneNoneG36727S218.2isocoma menziesii var. decumbentsdecumbent goldenbushNoneNoneNoneG36727S218.2isotoma menziesii var. decumbentsSan Bernardino asterNoneNoneNoneG174S218.2isumos perotis californicuswestern mastiff batNoneNoneNoneG174S218.2isumos perotis californicusSan Bernardino asterNoneNoneNoneG2S218.2isumos crotchiiCrotch bumble beeNoneNoneNoneG144S12S218.2isotochiiCrotch bumble beeNoneNoneNoneG12S12S2S2ito estabilisiSumoring ondNoneNoneNoneG32S2S2S2ito estabilisiSumoring algess itardNoneNoneNoneG32 </td <td>Bombus crotchii</td> <td>Crotch bumble bee</td> <td>None</td> <td>Candidate Endangered</td> <td>G3G4</td> <td>S1S2</td> <td></td> <td></td>	Bombus crotchii	Crotch bumble bee	None	Candidate Endangered	G3G4	S1S2		
Isocoma menziesii var. decumbensdecumbent goldenbushNoneNoneNoneGa72S2B.2Lathenia glabrata sop. coulteriCoulter's goldfieldsNoneNoneGa72S2B.2Symphytorichum defolatumSabernardino asterNoneNoneSof4S34TS5CLathenia glabrata sop. coulteriCoulter's goldfieldsNoneNoneGa72S2B.1S5CLathenia glabrata sop. coulteriCoulter's goldfieldsNoneNoneGa72S2B.1S5CLathenia glabrata sop. coulteriSabernardino asterNoneNoneS102S2B.1S5CSymphytorichum defolatumSan Bernardino asterNoneNoneGa72S2B.1S5CSymphytorichum defolatumSan Bernardino asterNoneNoneGa72S2B.2S5CSymphytorichum defolatumSan Bernardino asterNoneNoneGa74S2B.2S5CSymphytorichum defolatumSan Bernardino asterNoneNoneGa74S2B.2S5CBombus crotchiiCotch bumble beeNoneNoneGa74S2S5CS5CCheroryteris mexicanaKaica Indycrongued batNoneNoneGa74S2S5CAthene culturalitiVersion Bachardino asterNoneNoneGa74S2S5CAthene culturalitiSouter California legless lizardNoneNoneG374S2S5CAthene culturaliti <td< td=""><td>Coccyzus americanus occidentalis</td><td>western yellow-billed cuckoo</td><td>Threatened</td><td>Endangered</td><td>G5T2T3</td><td>S1</td><td></td><td></td></td<>	Coccyzus americanus occidentalis	western yellow-billed cuckoo	Threatened	Endangered	G5T2T3	S1		
Lathenia glabrata sp. coulteriCoulter's golfieldsNoneNoneG472S2B.1Fundos perotis californicusSan Bernardino asterNoneNoneNoneG2S21B.2Lasthenia glabrata sp. coulteriCoulter's golfieldsNoneNoneS6T4S21B.1Eumops perotis californicuswestern mastiff batNoneNoneS6T4S21B.1Fundos perotis californicuswestern mastiff batNoneNoneS6T4S21B.1Symphyotrichum defoliatumBernardino asterNoneNoneNoneS121B.1Symphyotrichum defoliatumGate artifica sterNoneNoneS14S21B.1Borbus crotchiCoulter's golfieldsNoneNoneS14S21B.1Symphyotrichum defoliatumSan Bernardino asterNoneNoneS14S21B.2Borbus crotchiCoulter's golfieldsNoneNoneS14S2S2S2Borbus crotchiCoulter's golfieldsNoneNoneS14S2S2S2S2Internation sterNoneNoneNoneS14S14S2S2S2S2Borbus crotchiCoulter's golfieldsNoneNoneS14S14S2	Eumops perotis californicus	western mastiff bat	None	None	G5T4	S3S4		SSC
Symphyotrichum defoliatumSan Bernardino asterNoneNoneNoneG2S218.2Europs perotis californicusvesteru mastif batNoneNoneNoneG472S2S2S2Europs perotis californicusvesteru mastif batNoneNoneNoneG472S2S2S2Funglex parishivesteru mastif batNoneNoneNoneG472S2S2S2Symphyotrichum defoliatumParish's bittlescaleNoneNoneNoneG2S2B2.2S2Symphyotrichum defoliatumSan Bernardino asterNoneNoneNoneG472S2B2.2S2	Isocoma menziesii var. decumbens	decumbent goldenbush	None	None	G3G5T2T3	S2	1B.2	
Europs perotis californicuswestern mastiff batNoneNoneG5T4S354SSCLastenia glabrata ssp. coulteriCoulter's goldfieldsNoneNoneG4T2S21B.1Europs perotis californicuswestern mastiff batNoneNoneG5T4S21B.1Europs perotis californicusParish's brittlescaleNoneNoneG1G2S21B.1Symphyotrichum defoliatumSan Bernardino asterNoneNoneG2CS21B.2Lastenia glabrata ssp. coulteriCoulter's goldfieldsNoneNoneG2CS21B.2Symphyotrichum defoliatumSan Bernardino asterNoneNoneG3G4S1S2VBornbus crotchiiCrotch bumble beeNoneNoneG3G4S1S2VChoeronycteris mexicanaMexican long-tongued batNoneNoneG3G4S1S2VVireo belli pusillusLeast Bell's vireoEndangeredRoneG3G4S1S2VAthene cuniculariaburrowing owlNoneNoneNoneG4S3SCBudos wainsonisouthern California legles lizardNoneNoneG3G4S1S2VCocycus americanus occidentaliswestern weitern vellow-billed cuckooThreatenedNoneG5T1S1VPerognathus longimembris pacificusSouthern California setternshorewNoneNoneG5T1S1VPerognathus longimembris pacificusSouthern California sattmarsh shrewNone <td< td=""><td>Lasthenia glabrata ssp. coulteri</td><td>Coulter's goldfields</td><td>None</td><td>None</td><td>G4T2</td><td>S2</td><td>1B.1</td><td></td></td<>	Lasthenia glabrata ssp. coulteri	Coulter's goldfields	None	None	G4T2	S2	1B.1	
Lastenia glabrata spp. coulteriCoulter's goldfieldsNoneNoneNoneG472S218.1Europs perotis californicuswestern mastif batNoneNoneNoneG574S354S5CAtripex parish inPrish's brittlescaleNoneNoneNoneG162S118.1Symphyotrichum defoliatumSan Bernardino asterNoneNoneNoneG472S218.1Symphyotrichum defoliatumCoulter's goldfieldsNoneNoneG472S218.1Symphyotrichum defoliatumSan Bernardino asterNoneNoneG476S218.2Bombus crotchiiCrotch bumble beeNoneNoneG364S152-S5CInterescentrationMexican long-tongued batNoneNoneCalidate EndangeredG364S152-S5CMerescentrationCrotch bumble beeNoneNoneNoneG470S1-S5CAthene cuniculariaMorey on goldNoneNoneNoneG470S1-S5CAthene cuniculariaSouthern california legiss lizardNoneNoneNoneG5173S1-S5CAthene uniculariaSwainsonis hawkNoneNoneNoneG5173S1-S5CAthene unicularious sceidentalisSouth cost marsh voleSouth cost marsh voleNoneNoneG5112S1-S5CAthene uniculariaSuatinonis StawkNoneNoneNone<	Symphyotrichum defoliatum	San Bernardino aster	None	None	G2	S2	1B.2	
Eumops perotis californicuswestern astiff batNoneNoneSoneSofeSSASSCAtriplex parishinParish's brittlescaleNoneNoneGG2S118.1SSymphyotrichum defoliatumSan Bernardino asterNoneNoneNoneG472S218.2SSymphyotrichum defoliatumCoulter's goldfieldsNoneNoneNoneG472S218.2SSymphyotrichum defoliatumSan Bernardino asterNoneNoneNoneG472S218.2SBombus crotchiCrotch bumble beeNoneNoneGadeG12S2SSCSSCBombus crotchiCrotch bumble beeNoneNoneCandidate EndangeredG364S12SSCVireo belli pusillusleast Bell's vireoEndangeredEndangeredG514S3<	Eumops perotis californicus	western mastiff bat	None	None	G5T4	S3S4		SSC
Atripex parishiiParish's brittlescaleNoneNoneG162S1B.1.Symphyotrichum defoliatumSan Bernardino asterNoneNoneG2S21B.2Lasthenia glabrata ssp. coulteriCoulter's goldfieldsNoneNoneG2S21B.1Symphyotrichum defoliatumSan Bernardino asterNoneNoneG2S21B.1Goneonycteris mexicanaCrotch bumble beeNoneCandidate EndangeredG3S2SSCBombus crotchiiCrotch bumble beeNoneCandidate EndangeredG34S12SSCIncobelia usillusLeast Bell's viroo'NoneNoneG4S12SSCAthene cunculariaburrowing owlNoneNoneG4S12SSCAthene sunsoniSunson's hawkNoneNoneG4S12SSCOccyzus americanus occidentalisSwainson's hawkNoneNoneG51S12SSCPeriognathus longimembris pacificusSutter nuelle cuckooThreatenedNoneG511S12SSCMicrotus salifornicus stephensiSutter california stimarsh shrewNoneNoneG511S12SSCOncorput maritimum sp. maritimum sp. maritimumSutter california stimarsh shrewNoneNoneG511S12SSCDistrictus stimaritimum sp. maritimumSutter california stimarsh shrewNoneNoneG511S12SSCDistrictus stimaritimum sp. maritimumSutter california stimarsh shrewNone <td>Lasthenia glabrata ssp. coulteri</td> <td>Coulter's goldfields</td> <td>None</td> <td>None</td> <td>G4T2</td> <td>S2</td> <td>1B.1</td> <td></td>	Lasthenia glabrata ssp. coulteri	Coulter's goldfields	None	None	G4T2	S2	1B.1	
Symphotrichum defoliatumSan Bernardino asterNoneNoneG2S21B.2Lasthenia glabrata ssp. coulteriCoulter's goldfieldsNoneNoneG4T2S21B.1Symphyotrichum defoliatumSan Bernardino asterNoneNoneRoneG2S21B.2Bombus crotchiiCrotch bumble beeNoneNoneG4S1S5CChoconycteris mexicanaMexican long-tongued batNoneNoneG4S1S5CBombus crotchiiCrotch bumble beeNoneNoneG4S1S5CVireo bellii pusillusCrotch bumble beeNoneNoneG4S1S5CAhene cunculariaburrowing ownEast Bell's vireoEast Bell's vireoNoneNoneG3S3S5CAnnella stebbinsiSouthern California legless lizardNoneNoneNoneG3S3S5CCoccyzus americanus occidentalisWestern yellow-billed cuckooThreatenedNoneG5T3S1S5CPerognathus longinmembris pacificusPacific pocket mouseFindangeedNoneS6T3S1S5CMicrotus californicus stephensiSouthern California altmarsh shrewNoneNoneS1<	Eumops perotis californicus	western mastiff bat	None	None	G5T4	S3S4		SSC
Lasthenia glabrata ssp. coulteriaCoulter's goldfieldsNoneNoneG4T2S2B.1Symphyotrichum defoliatumSan Bernardino asterNoneNoneGaloS21B.2Bombus crotchiiCrotch bumble beeNoneCandidate EndangeredG3G4S12S2S5CDeronycteris mexicanaMexica Inog-tongued batNoneNoneCandidate EndangeredG3G4S12S5CBombus crotchiiCrotch bumble beeNoneCandidate EndangeredG3G4S12S5CMexica Inog and guadIeast Bell's vireoEndangeredCandidate EndangeredG3G4S12S5CAthene cuniculariaburrowing owlNoneNoneNoneG4T4S3S5CAthene swainsoniSuntern California legless lizardNoneNoneG4T4S3S5COccyzus americanus occidentalisSwainson's hawkNoneNoneS12S5CS5CPerognathus longimembris pacificusSwainson's hawkNoneNoneS12S5CS5CPrognathus longimembris pacificusSuthern California saltmarsh voleNoneNoneS12S5CS5CMicrosus californicus stephensiSuthern California saltmarsh shrewNoneNoneS12S5CS5CMicrosus californicus stephensiSuthern California saltmarsh shrewNoneNoneS12S5CS5CMicrosus californicus stephensiSuthern California saltmarsh shrewNoneNoneS12S5CS5C	Atriplex parishii	Parish's brittlescale	None	None	G1G2	S1	1B.1	
Symphydrichum defoliatumSan Bernardino asterNoneNoneG2S21B.2Bombus crotchiiCrotch bumble beeNoneCandidate EndangeredG3G4S1S2SSCChoeronycteris mexicanaMexican long-tongued batNoneNoneG3G4S1S2SSCBombus crotchiiCrotch bumble beeNoneCandidate EndangeredG3G4S1S2SSCVireo bellii pusillusLeast Bell's vireoEndangeredEndangeredG3G4S1S2SSCAthene cuniculariaburrowing owlNoneNoneNoneG3S3SSCButos swainsonisouthern California legless lizardNoneNoneG3S3SSCButos swainsoniswainson's hawkNoneThreatenedG5T1S1SSCPerognathus longimembris pacificusPacific pocket mouseEndangeredNoneG5T1S12SSCMicrotus californicus stephensisouth coast marsh voleNoneNoneG5T1S12SSCSorex ornatus salicornicussouthern California saltmarsh shrewNoneNoneG5T1S12SSCChoropyron maritimum ssp. maritimumsalt marsh bird's-beakNoneNoneG5T1S12SSCChoropyron maritimum ssp. maritimumsalt marsh bird's-beakNoneNoneG5T1S1SSCCoropyron maritimum ssp. maritimumsalt marsh bird's-beakNoneNoneG5T1S1SSCSoropyron maritimum ssp. maritimumsalt marsh bird's-beak<	Symphyotrichum defoliatum	San Bernardino aster	None	None	G2	S2	1B.2	
Bornbus crotchiiCrotch bumble beeNoneCandidate EndangeredG3G4S152SSCChoeronycteris mexicanaMexican long-tongued batNoneNoneG4S1SSCBombus crotchiiCrotch bumble beeNoneCandidate EndangeredG3G4S152SSCVireo bellii pusillusleast Bell's vireoEndangeredEndangeredG5T2S2SSCAthene cuniculariaburrowing owlNoneNoneG4S3SSCIntella stebbinsisouthen California legless lizardNoneNoneG4S3SSCButeo swainsoniSwainson's hawkNoneIndangeredG5T13S1SSCCoccyzus americanus occidentaliswestern yellow-billed cuckooNoneIndangeredG5T13S1SSCPerognathus longimembris pacificusPacific pocket mouseEndangeredNoneST12SSCSSCSorex ornatus salicornicussouth cast marsh voleNoneNoneNoneST12SSCChoropyron maritimum ssp. maritimumsalt marsh bird's-beakEndangeredRongeredG5T13S1SSC	Lasthenia glabrata ssp. coulteri	Coulter's goldfields	None	None	G4T2	S2	1B.1	
Choeronycteris mexicanaMexican long-tongued batNoneNoneG4S1SSCBombus crotchiiCrotch bumble beeNoneCandidate EndangeredG3G4S1S2SSCVireo bellii pusillusleast Bell's vireoEndangeredEndangeredG5T2S2SSCAthene cuniculariaburrowing owlNoneNoneNoneG4S3SSCAnniella stebbinsisouthern California legless lizardNoneNoneG4S3SSCButeo swainsoniSwainson's hawkNoneNoneG5T2S1SSCPerognathus longimembris pacificuswestern yellow-billed cuckooThreatenedEndangeredS5T1T2SSCMicrotus californicus stephensisouth coast marsh voleNoneNoneS5T1T2SSCSorex ornatus salicornicussouthern California saltmarsh shrewNoneNoneS5T1T2SSCCocopyron maritimum ssp. maritimumsalt marsh bird's-beakEndangeredEndangeredG47T1S11B.2	Symphyotrichum defoliatum	San Bernardino aster	None	None	G2	S2	1B.2	
Bombus crotchiiCrotch bumble beeNoneCandidate EndangeredG3G4S152S152Vireo belli pusillusleast Bell's vireoEndangeredEndangeredG5T2S2S2Athene cuniculariaburrowing owlNoneNoneG4S3SSCAnniella stebbinsisouthern California legless lizardNoneNoneG3S3SSCButeo swainsoniSwainson's hawkNoneThreatenedG5T2S1SSCCoccyzus americanus occidentaliswestern yellow-billed cuckooThreatenedEndangeredS5T1T3S1SSCPerognathus longimembris pacificusPacific pocket mouseEndangeredNoneS11T3SSCSSCMicrotus californicus stephensisouth coast marsh voleNoneNoneS11T3S12SSCSorex ornatus salicornicussouthern California saltmarsh shrewNoneNoneS11T3S12SSCChloropyron maritimum ssp. maritimumsalt marsh bird's-beakEndangeredEndangeredG47T1S11B.2	Bombus crotchii	Crotch bumble bee	None	Candidate Endangered	G3G4	S1S2		
Vireo bellii pusillusleast Bell's vireoEndangeredEndangeredG5T2S2Athene cuniculariaburrowing owlNoneNoneG4S3SSCAnniella stebbinsisouthern California legless lizardNoneNoneG3S3SSCButeo swainsoniSwainson's hawkNoneThreatenedG5T23S1SSCCoccyzus americanus occidentaliswestern yellow-billed cuckooThreatenedEndangeredG5T13S1SSCPerognathus longimembris pacificusPacific pocket mouseEndangeredNoneG5T12S12SSCMicrotus californicus stephensisouthern California saltmarsh shrewNoneNoneST172S12SSCSorex ornatus salicornicussouthern California saltmarsh shrewNoneNoneST172S12SSCChoropyron maritimum ssp. maritimumsalt marsh bird's-beakEndangeredEndangeredG4?T1S1IB.2	Choeronycteris mexicana	Mexican long-tongued bat	None		G4			SSC
Athene curiculariaburrowing owlNoneNoneG4S3SSCAnniella stebbinsisouthern California legless lizardNoneNoneG3S3SSCButeo swainsoniSwainson's hawkNoneThreatenedG5S3SSCCoccyzus americanus occidentaliswestern yellow-billed cuckooThreatenedEndangeredG5T13S1SSCPerognathus longimembris pacificusPacific pocket mouseEndangeredNoneG5T13S1SSCMicrotus californicus stephensisouthern California saltmarsh shrewNoneNoneG5T172S1S2SSCSorex ornatus salicornicussouthern California saltmarsh shrewNoneNoneG5T172S12SSCChloropyron maritimum ssp. maritimumsalt marsh bird's-beakEndangeredEndangeredG4?T1S11B.2			None	-				
Anniella stebbinsisouthern California legless lizardNoneNoneG3S3SSCButeo swainsoniSwainson's hawkNoneThreatenedG5S3S3SSCCoccyzus americanus occidentaliswestern yellow-billed cuckooThreatenedEndangeredRoneG5T173S1SSCPerognathus longimembris pacificusPacific pocket mouseEndangeredNoneG5T172S12SSCMicrotus californicus stephensisouth coast marsh voleNoneNoneST172S12SSCSorex ornatus salicornicussouthern California saltmarsh shrewNoneNoneST172S12SSCChloropyron maritimum ssp. maritimumsalt marsh bird's-beakEndangeredEndangeredG4?T1S11B.2	•	least Bell's vireo	Endangered	Endangered	G5T2	S2		
Buteo swainsoniSwainson's hawkNoneThreatenedG5S3S4S5Coccyzus americanus occidentaliswestern yellow-billed cuckooThreatenedEndangeredG57273S1S5CPerognathus longimembris pacificusPacific pocket mouseEndangeredNoneG57172S12S5CMicrotus californicus stephensisouth coast marsh voleNoneNoneG57172S152S5CSorex ornatus salicornicussouthern California saltmarsh shrewNoneNoneG571?2S12S5CChloropyron maritimum ssp. maritimumsalt marsh bird's-beakEndangeredEndangeredG4?11S11B.2			None	None				
Coccyzus americanus occidentaliswestern yellow-billed cuckooThreatenedEndangeredG5T2T3S1S1Perognathus longimembris pacificusPacific pocket mouseEndangeredNoneG5T1S1SSCMicrotus californicus stephensisouth coast marsh voleNoneNoneG5T172S1S2SSCSorex ornatus salicornicussouthern California saltmarsh shrewNoneNoneG5T172S1<	Anniella stebbinsi	-	None	None				SSC
Perognathus longimembris pacificusPacific pocket mouseEndangeredNoneG5T1S1SSCMicrotus californicus stephensisouth coast marsh voleNoneNoneG5T172S1S2SSCSorex ornatus salicornicussouthern California saltmarsh shrewNoneNoneG5T1?S1SSCChloropyron maritimum ssp. maritimumsalt marsh bird's-beakEndangeredEndangeredG4?T1S11B.2			None	Threatened		S3		
Microtus californicus stephensisouth coast marsh voleNoneNoneG5T1T2S1S2SSCSorex ornatus salicornicussouthern California saltmarsh shrewNoneNoneG5T1?S1SSCChloropyron maritimum ssp. maritimumsalt marsh bird's-beakEndangeredEndangeredG4?T1S11B.2	Coccyzus americanus occidentalis	western yellow-billed cuckoo	Threatened	Endangered	G5T2T3	S1		
Sorex ornatus salicornicussouthern California saltmarsh shrewNoneNoneG5T1?S1SSCChloropyron maritimum ssp. maritimumsalt marsh bird's-beakEndangeredEndangeredG4?T1S11B.2		•	Endangered					
Chloropyron maritimum ssp. maritimum ssp	·							
			None					SSC
Nama stenocarpamud namaNoneNoneG4G5S1S22B.2	Chloropyron maritimum ssp. maritimum		-					
	Nama stenocarpa	mud nama	None	None	G4G5	S1S2	2B.2	

Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	Endangered	Endangered	G4?T1	S1	1B.2	
Lasiurus xanthinus	western yellow bat	None	None	G5	S3		SSC
Centromadia parryi ssp. australis	southern tarplant	None	None	G3T2	S2	1B.1	
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	None	None	G4T2	S2	1B.1	
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	None	None	G4T2	S2	1B.1	
Atriplex serenana var. davidsonii	Davidson's saltscale	None	None	G5T1	S1	1B.2	
Phrynosoma blainvillii	coast horned lizard	None	None	G3G4	S3S4		SSC
Phrynosoma blainvillii	coast horned lizard	None	None	G3G4	S3S4		SSC
Aspidoscelis hyperythra	orange-throated whiptail	None	None	G5	S2S3		WL
Nama stenocarpa	mud nama	None	None	G4G5	S1S2	2B.2	
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	None	None	G5T3Q	S3		SSC
Riparia riparia	bank swallow	None	Threatened	G5	S2		
Lasiurus cinereus	hoary bat	None	None	G5	S4		
Southern Coastal Salt Marsh	, Southern Coastal Salt Marsh	None	None	G2	S2.1		
Passerculus sandwichensis beldingi	Belding's savannah sparrow	None	Endangered	G5T3	S3		
Tryonia imitator	mimic tryonia (=California brackishwater snail)	None	None	G2	S2		
Chloropyron maritimum ssp. maritimum	salt marsh bird's-beak	Endangered	Endangered	G4?T1	S1	1B.2	
Astragalus pycnostachyus var. lanosissimus	Ventura Marsh milk-vetch	Endangered	Endangered	G2T1	S1	1B.1	
Passerculus sandwichensis beldingi	Belding's savannah sparrow	None	Endangered	G5T3	S3	1011	
Rallus obsoletus levipes	light-footed Ridgway's rail	Endangered	Endangered	G5T1T2	S1		FP
Southern Coastal Salt Marsh	Southern Coastal Salt Marsh	None	None	G2	S2.1		
Phrynosoma blainvillii	coast horned lizard	None	None	G3G4	S3S4		SSC
Cicindela gabbii	western tidal-flat tiger beetle	None	None	G2G4	S1		330
Atriplex serenana var. davidsonii	Davidson's saltscale	None	None	G5T1	S1	1B.2	
Suaeda esteroa	estuary seablite	None	None	G3	S2	1B.2 1B.2	
Aspidoscelis hyperythra	orange-throated whiptail	None	None	G5	S2S3	10.2	WL
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	None	None	G5T3Q	S3		SSC
Buteo regalis	ferruginous hawk	None	None	G4	S3S4		WL
Eumops perotis californicus	western mastiff bat		None	G4 G5T4	S3S4		SSC
Eumops perotis californicus	western mastiff bat	None None	None	G5T4	S3S4		SSC
Athene cunicularia	burrowing owl	None	None	G4	S334		SSC
	western mastiff bat			G5T4	53 S3S4		SSC
Eumops perotis californicus Rallus obsoletus levipes	light-footed Ridgway's rail	None Endangered	None Endangered	G5T1T2	5554 S1		FP
Rallus obsoletus levipes		Endangered	-	G5T1T2			FP
Campylorhynchus brunneicapillus sandiegensis	light-footed Ridgway's rail		Endangered		S1		
	coastal cactus wren	None	None	G5T3Q	S3		SSC
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	None	None	G5T3Q	S3 S2	101	SSC
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	None	None	G4T2		1B.1	
Polioptila californica californica	coastal California gnatcatcher	Threatened	None	G4G5T2Q			SSC
Polioptila californica californica	coastal California gnatcatcher	Threatened	None	G4G5T2Q		10.1	SSC
Centromadia parryi ssp. australis	southern tarplant	None	None	G3T2	S2	1B.1	
Vireo bellii pusillus	least Bell's vireo	Endangered	Endangered	G5T2	S2		
Polioptila californica californica	coastal California gnatcatcher	Threatened	None	G4G5T2Q		4.5.4	SSC
Abronia villosa var. aurita	chaparral sand-verbena	None	None	G5T2?	S2	1B.1	
Southern Coastal Salt Marsh	Southern Coastal Salt Marsh	None	None	G2	S2.1		
Icteria virens	yellow-breasted chat	None	None	G5	S3		SSC
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	None	None	G5T3Q	S3		SSC
Polioptila californica californica	coastal California gnatcatcher	Threatened	None	G4G5T2Q	S2		SSC

Sternula antillarum browni Cicindela latesignata latesignata Coelus globosus Cicindela gabbii Emys marmorata Charadrius alexandrinus nivosus Polioptila californica californica Sidalcea neomexicana Spea hammondii Charadrius alexandrinus nivosus Aspidoscelis hyperythra Lasthenia glabrata ssp. coulteri Vireo bellii pusillus Dudleya multicaulis Nyctinomops macrotis Anniella stebbinsi Vireo bellii pusillus Eumops perotis californicus Eumops perotis californicus Polioptila californica californica Polioptila californica californica Southern Cottonwood Willow Riparian Forest Cicindela hirticollis gravida Phacelia stellaris Polioptila californica californica Vireo bellii pusillus Nemacaulis denudata var. denudata Polioptila californica californica Southern Foredunes Coelus globosus Centromadia parryi ssp. australis Centromadia parryi ssp. australis Emys marmorata Southern Coast Live Oak Riparian Forest Passerculus sandwichensis beldingi Southern Coastal Salt Marsh Rallus obsoletus levipes Panoquina errans Vireo bellii pusillus Charadrius alexandrinus nivosus Agelaius tricolor Southern Coast Live Oak Riparian Forest

California least tern western beach tiger beetle globose dune beetle western tidal-flat tiger beetle western pond turtle western snowy plover coastal California gnatcatcher salt spring checkerbloom western spadefoot western snowy plover orange-throated whiptail Coulter's goldfields least Bell's vireo many-stemmed dudleya big free-tailed bat southern California legless lizard least Bell's vireo western mastiff bat western mastiff bat coastal California gnatcatcher coastal California gnatcatcher Southern Cottonwood Willow Riparian Forest sandy beach tiger beetle Brand's star phacelia coastal California gnatcatcher least Bell's vireo coast woolly-heads coastal California gnatcatcher Southern Foredunes globose dune beetle southern tarplant southern tarplant western pond turtle Southern Coast Live Oak Riparian Forest Belding's savannah sparrow Southern Coastal Salt Marsh light-footed Ridgway's rail wandering (=saltmarsh) skipper least Bell's vireo western snowy plover tricolored blackbird Southern Coast Live Oak Riparian Forest

Endangered	Endangered	G4T2T3Q	S2		FP
None	None	G2G4T1T2	S1		
None	None	G1G2	S1S2		
None	None	G2G4	S1		
None	None	G3G4	S3		SSC
Threatened	None	G3T3	S2S3		SSC
Threatened	None	G4G5T2Q	S2		SSC
None	None	G4	S2	2B.2	
None	None	G3	S3		SSC
Threatened	None	G3T3	S2S3		SSC
None	None	G5	S2S3		WL
None	None	G4T2	S2	1B.1	
Endangered	Endangered	G5T2	S2		
None	None	G2	S2	1B.2	
None	None	G5	S3		SSC
None	None	G3	S3		SSC
Endangered	Endangered	G5T2	S2		
Endangered	Endangered	G5T2	S2		
Endangered	Endangered	G5T2	S2		
Endangered	Endangered	G5T2	S2		
Endangered	Endangered	G5T2	S2		
Endangered	Endangered	G5T2	S2		
None	None	G5T4	S3S4		SSC
None	None	G5T4	S3S4		SSC
Threatened	None	G4G5T2Q	S2		SSC
Threatened	None	G4G5T2Q	S2		SSC
None	None	G3	S3.2		
None	None	G5T2	S2		
None	None	G1	S1	1B.1	
Threatened	None	G4G5T2Q	S2		SSC
Endangered	Endangered	G5T2	S2		
None	None	G3G4T2	S2	1B.2	
Threatened	None	G4G5T2Q	S2		SSC
None	None	G2	S2.1		
None	None	G1G2	S1S2		
None	None	G3T2	S2	1B.1	
None	None	G3T2	S2	1B.1	
None	None	G3G4	S3		SSC
None	None	G4	S4		
None	Endangered	G5T3	S3		
None	None	G2	S2.1		
Endangered	Endangered	G5T1T2	S1		FP
None	None	G4G5	S2		
Endangered	Endangered	G5T2	S2		
Threatened	None	G3T3	S2S3		SSC
None	Threatened	G2G3	S1S2		SSC
None	None	G4	S4		

Abronia villosa var. aurita Cicindela latesignata latesignata Cicindela gabbii Passerculus sandwichensis beldingi Polioptila californica californica Horkelia cuneata var. puberula Sternula antillarum browni Spea hammondii Agelaius tricolor Elanus leucurus Taxidea taxus Danaus plexippus pop. 1 Emys marmorata Emys marmorata Sternula antillarum browni Emys marmorata Sternula antillarum browni Athene cunicularia Polioptila californica californica Emys marmorata Athene cunicularia Emys marmorata Emys marmorata Valley Needlegrass Grassland Phrynosoma blainvillii Polioptila californica californica Abronia villosa var. aurita Catostomus santaanae Southern Dune Scrub Southern Coastal Salt Marsh Passerculus sandwichensis beldingi Charadrius alexandrinus nivosus Panoquina errans Vireo bellii pusillus Setophaga petechia Icteria virens Centromadia parryi ssp. australis Centromadia parryi ssp. australis

chaparral sand-verbena western beach tiger beetle western tidal-flat tiger beetle Belding's savannah sparrow coastal California gnatcatcher mesa horkelia California least tern western spadefoot tricolored blackbird white-tailed kite American badger monarch - California overwintering population western pond turtle western pond turtle California least tern western pond turtle California least tern burrowing owl coastal California gnatcatcher western pond turtle burrowing owl western pond turtle western pond turtle Valley Needlegrass Grassland coast horned lizard coastal California gnatcatcher chaparral sand-verbena Santa Ana sucker Southern Dune Scrub Southern Coastal Salt Marsh Belding's savannah sparrow western snowy plover wandering (=saltmarsh) skipper least Bell's vireo yellow warbler yellow-breasted chat southern tarplant southern tarplant southern tarplant southern tarplant southern tarplant southern tarplant southern tarplant

None	None	G5T2?	S2	1B.1	
None	None	G2G4T1T2	S1		
None	None	G2G4	S1		
None	Endangered	G5T3	S3		
Threatened	None	G4G5T2Q	S2		SSC
Threatened	None	G4G5T2Q	S2		SSC
Threatened	None	G4G5T2Q	S2		SSC
Threatened	None	G4G5T2Q	S2		SSC
Threatened	None	G4G5T2Q	S2		SSC
None	None	G4T1	S1	1B.1	
Endangered	Endangered	G4T2T3Q	S2		FP
None	None	G3	S3		SSC
None	Threatened	G2G3	S1S2		SSC
None	None	G5	S3S4		FP
None	None	G5	5354 S3		SSC
None	None	G3 G4T2T3	S2S3		550
None	None	G3G4	S3		SSC
None	None	G3G4 G3G4	55 53		SSC
		G3G4 G4T2T3Q	ss S2		FP
Endangered None	Endangered None	G3G4	52 S3		SSC
					SSC FP
Endangered	Endangered	G4T2T3Q	S2		
None	None	G4	S3		SSC
Threatened	None	G4G5T2Q	S2		SSC
None	None	G3G4	S3		SSC
None	None	G4	S3		SSC
None	None	G3G4	S3		SSC
None	None	G3G4	S3		SSC
None	None	G3	S3.1		
None	None	G3G4	S3S4		SSC
Threatened	None	G4G5T2Q	S2		SSC
None	None	G5T2?	S2	1B.1	
Threatened	None	G1	S1		
None	None	G1	S1.1		
None	None	G2	S2.1		
None	Endangered	G5T3	S3		
Threatened	None	G3T3	S2S3		SSC
None	None	G4G5	S2		
Endangered	Endangered	G5T2	S2		
None	None	G5	S3S4		SSC
None	None	G5	S3		SSC
None	None	G3T2	S2	1B.1	
None	None	G3T2	S2	1B.1	
None	None	G3T2	S2	1B.1	
None	None	G3T2	S2	1B.1	
None	None	G3T2	S2	1B.1	
None	None	G3T2	S2	1B.1	
None	None	G3T2	S2	1B.1	

Centromadia parryi ssp. australis Dudleya multicaulis Dudleya multicaulis Abronia villosa var. aurita Southern Cottonwood Willow Riparian Forest Danaus plexippus pop. 1 Danaus plexippus pop. 1 Catostomus santaanae Southern Foredunes Southern Foredunes Elanus leucurus Branchinecta sandiegonensis Branchinecta sandiegonensis Branchinecta sandiegonensis Polioptila californica californica Panoquina errans Danaus plexippus pop. 1 Polioptila californica californica Polioptila californica californica Polioptila californica californica Anniella stebbinsi Sternula antillarum browni Polioptila californica californica Centromadia parryi ssp. australis Catostomus santaanae Elanus leucurus Danaus plexippus pop. 1 Elanus leucurus Elanus leucurus Navarretia prostrata Centromadia parryi ssp. australis Vireo bellii pusillus Branchinecta sandiegonensis Dudleya multicaulis Dudleya multicaulis Dudleya multicaulis Dudleya multicaulis Dudleya multicaulis Dudleya multicaulis Lasthenia glabrata ssp. coulteri Lasthenia glabrata ssp. coulteri Centromadia parryi ssp. australis Centromadia parryi ssp. australis Centromadia parryi ssp. australis Vireo bellii pusillus Streptocephalus woottoni Polioptila californica californica

southern tarplant	None	None	G3T2	S2	1B.1	
many-stemmed dudleya	None	None	G2	S2	1B.2	
many-stemmed dudleya	None	None	G2	S2	1B.2	
chaparral sand-verbena	None	None	G5T2?	S2	1B.1	
Southern Cottonwood Willow Riparian Forest	None	None	G3	S3.2		
monarch - California overwintering population	None	None	G4T2T3	S2S3		
monarch - California overwintering population	None	None	G4T2T3	S2S3		
Santa Ana sucker	Threatened	None	G1	S1		
Southern Foredunes	None	None	G2	S2.1		
Southern Foredunes	None	None	G2	S2.1		
white-tailed kite	None	None	G5	S3S4		FP
San Diego fairy shrimp	Endangered	None	G2	S2		
San Diego fairy shrimp	Endangered	None	G2	S2		
San Diego fairy shrimp	Endangered	None	G2	S2		
coastal California gnatcatcher	Threatened	None	G4G5T2Q	S2		SSC
wandering (=saltmarsh) skipper	None	None	G4G5	S2		
monarch - California overwintering population	None	None	G4T2T3	S2S3		
coastal California gnatcatcher	Threatened	None	G4G5T2Q			SSC
coastal California gnatcatcher	Threatened	None	G4G5T2Q			SSC
coastal California gnatcatcher	Threatened	None	G4G5T2Q			SSC
southern California legless lizard	None	None	G3	S3		SSC
California least tern	Endangered	Endangered	G4T2T3Q	S2		FP
coastal California gnatcatcher	Threatened	None	G4G5T2Q	S2 S2		SSC
southern tarplant	None	None	G3T2	S2 S2	1B.1	550
Santa Ana sucker	Threatened	None	G1	52 S1	10.1	
white-tailed kite	None	None	G5	S3S4		FP
monarch - California overwintering population	None	None	G4T2T3	S2S3		
white-tailed kite	None	None	G5	S3S4		FP
white-tailed kite	None	None	G5	5354 5354		FP
prostrate vernal pool navarretia	None	None	G2	5554 S2	1B.2	ГГ
		None	G2 G3T2	52 S2	1B.2 1B.1	
southern tarplant	None				10.1	
least Bell's vireo	Endangered	Endangered	G5T2	S2		
San Diego fairy shrimp	Endangered	None	G2	S2	10.2	
many-stemmed dudleya	None	None	G2	S2	1B.2	
many-stemmed dudleya	None	None	G2	S2	1B.2	
many-stemmed dudleya	None	None	G2	S2	1B.2	
many-stemmed dudleya	None	None	G2	S2	1B.2	
many-stemmed dudleya	None	None	G2	S2	1B.2	
many-stemmed dudleya	None	None	G2	S2	1B.2	
Coulter's goldfields	None	None	G4T2	S2	1B.1	
Coulter's goldfields	None	None	G4T2	S2	1B.1	
southern tarplant	None	None	G3T2	S2	1B.1	
southern tarplant	None	None	G3T2	S2	1B.1	
southern tarplant	None	None	G3T2	S2	1B.1	
least Bell's vireo	Endangered	Endangered	G5T2	S2		
Riverside fairy shrimp	Endangered	None	G1G2	S1S2		
coastal California gnatcatcher	Threatened	None	G4G5T2Q	S2		SSC

Polioptila californica californica Euphorbia misera Euphorbia misera Polioptila californica californica Polioptila californica californica Vireo bellii pusillus Myotis yumanensis Dudleya multicaulis Nemacaulis denudata var. denudata Aphanisma blitoides Sternula antillarum browni lcteria virens Suaeda esteroa Abronia villosa var. aurita Atriplex coulteri Buteo swainsoni Athene cunicularia Agelaius tricolor Setophaga petechia Icteria virens Atriplex coulteri Eryngium aristulatum var. parishii Suaeda esteroa Atriplex coulteri Centromadia parryi ssp. australis Lasthenia glabrata ssp. coulteri Ardea herodias Polioptila californica californica Athene cunicularia Polioptila californica californica Ammodramus savannarum Atriplex serenana var. davidsonii Atriplex pacifica Danaus plexippus pop. 1 Centromadia parryi ssp. australis Quercus dumosa Polioptila californica californica Danaus plexippus pop. 1 Aphanisma blitoides Aphanisma blitoides Suaeda esteroa

coastal California gnatcatcher	Threatened	None	G4G5T2Q	S2		SSC
cliff spurge	None	None	G5	S2	2B.2	
cliff spurge	None	None	G5	S2	2B.2	
coastal California gnatcatcher	Threatened	None	G4G5T2Q	S2		SSC
coastal California gnatcatcher	Threatened	None	G4G5T2Q	S2		SSC
least Bell's vireo	Endangered	Endangered	G5T2	S2		
Yuma myotis	None	None	G5	S4		
many-stemmed dudleya	None	None	G2	S2	1B.2	
coast woolly-heads	None	None	G3G4T2	S2	1B.2	
aphanisma	None	None	G3G4	S2	1B.2	
aphanisma	None	None	G3G4	S2	1B.2	
aphanisma	None	None	G3G4	S2	1B.2	
aphanisma	None	None	G3G4	S2	1B.2	
aphanisma	None	None	G3G4	S2	1B.2	
aphanisma	None	None	G3G4	S2	1B.2	
aphanisma	None	None	G3G4	S2	1B.2	
California least tern	Endangered	Endangered	G4T2T3Q	S2		FP
yellow-breasted chat	None	None	G5	S3		SSC
estuary seablite	None	None	G3	S2	1B.2	
chaparral sand-verbena	None	None	G5T2?	S2	1B.1	
Coulter's saltbush	None	None	G3	S1S2	1B.2	
Swainson's hawk	None	Threatened	G5	S3		
burrowing owl	None	None	G4	S3		SSC
tricolored blackbird	None	Threatened	G2G3	S1S2		SSC
yellow warbler	None	None	G5	S3S4		SSC
yellow-breasted chat	None	None	G5	S3		SSC
Coulter's saltbush	None	None	G3	S1S2	1B.2	
San Diego button-celery	Endangered	Endangered	G5T1	S1	1B.1	
estuary seablite	None	None	G3	S2	1B.2	
Coulter's saltbush	None	None	G3	S1S2	1B.2	
southern tarplant	None	None	G3T2	S2	1B.1	
Coulter's goldfields	None	None	G4T2	S2	1B.1	
great blue heron	None	None	G5	S4		
coastal California gnatcatcher	Threatened	None	G4G5T2Q	S2		SSC
burrowing owl	None	None	G4	S3		SSC
coastal California gnatcatcher	Threatened	None	G4G5T2Q	S2		SSC
grasshopper sparrow	None	None	G5	S3		SSC
Davidson's saltscale	None	None	G5T1	S1	1B.2	
south coast saltscale	None	None	G4	S2	1B.2	
monarch - California overwintering population	None	None	G4T2T3	S2S3		
southern tarplant	None	None	G3T2	S2	1B.1	
Nuttall's scrub oak	None	None	G3	S3	1B.1	
coastal California gnatcatcher	Threatened	None	G4G5T2Q	S2		SSC
monarch - California overwintering population	None	None	G4T2T3	S2S3		
aphanisma	None	None	G3G4	S2	1B.2	
aphanisma	None	None	G3G4	S2	1B.2	
estuary seablite	None	None	G3	S2	1B.2	
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Appendix E-3 California Natural Diversity Database List of Species

Centromadia parryi ssp. australis	southern tarplant	None	None	G3T2	S2	1B.1
Nemacaulis denudata var. denudata	coast woolly-heads	None	None	G3G4T2	S2	1B.2
Centromadia parryi ssp. australis	southern tarplant	None	None	G3T2	S2	1B.1
Orcuttia californica	California Orcutt grass	Endangered	Endangered	G1	S1	1B.1
Centromadia parryi ssp. australis	southern tarplant	None	None	G3T2	S2	1B.1