

APPENDIX K: SENSITIVE HABITAT PLANT + ANIMAL SPECIES

SPECIAL STATUS PLANTS

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)
Agrostis blasdalei	Blasdale's bent grass	None/None/1B.2	Coastal bluff scrub, Coastal dunes, Coastal prairie/perennial rhizomatous herb/May–July/0–490
Amsinckia Iunaris	bent-flowered fiddleneck	None/None/1B.2	Coastal bluff scrub, Cismontane woodland, Valley and foothill grassland/annual herb/Mar– June/10–1,640
Anomobryum julaceum	slender silver moss	None/None/4.2	Broadleafed upland forest, Lower montane coniferous forest, North Coast coniferous forest; damp rock and soil on outcrops, usually on roadcuts/moss/N.A./328–3,280
Arabis blepharophylla	coast rockcress	None/None/4.3	Broadleafed upland forest, Coastal bluff scrub, Coastal prairie, Coastal scrub; rocky/perennial herb/Feb_May/10_3,605
Arctostaphylos andersonii	Anderson's manzanita	None/None/1B.2	Broadleafed upland forest, Chaparral, North Coast coniferous forest; openings, edges/perennial evergreen shrub/Nov– May/197–2,490
Arctostaphylos glutinosa	Schreiber's manzanita	None/None/1B.2	Closed-cone coniferous forest, Chaparral; diatomaceous shale/perennial evergreen shrub/(Nov)Mar–Apr/558–2,245
Arctostaphylos hookeri ssp. hookeri	Hooker's manzanita	None/None/1B.2	Closed-cone coniferous forest, Chaparral, Cismontane woodland, Coastal scrub; sandy/perennial evergreen shrub/Jan– June/197–1,755
Arctostaphylos ohloneana	Ohlone manzanita	None/None/1B.1	Closed-cone coniferous forest, Coastal scrub; siliceous shale/evergreen shrub/Feb—Mar/1,475–1,735
Arctostaphylos pajaroensis	Pajaro manzanita	None/None/1B.1	Chaparral (sandy)/perennial evergreen shrub/Dec-Mar/98-2,490
Arctostaphylos regismontana	Kings Mountain manzanita	None/None/1B.2	Broadleafed upland forest, Chaparral, North Coast coniferous forest; granitic or sandstone/perennial evergreen shrub/Dec– Apr/1,000–2,395



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Arctostaphylos silvicola	Bonny Doon manzanita	None/None/1B.2	Closed-cone coniferous forest, Chaparral, Lower montane coniferous forest; inland marine sands/perennial evergreen shrub/Jan– Mar/394–1,965
Arenaria paludicola	marsh sandwort	FE/SE/1B.1	Marshes and swamps (freshwater brackish); sandy, openings/perennial stoloniferous herb/May–Aug/10–560
Azolla microphylla	Mexican mosquito fern	None/None/4.2	Marshes and swamps (ponds, slow water)/annual / perennial herb/Aug/98–330
Calandrinia breweri	Brewer's calandrinia	None/None/4.2	Chaparral, Coastal scrub; sandy or loamy, disturbed sites and burns/annual herb/(Jan)Mar–June/33–4,000
Calochortus uniflorus	pink star-tulip	None/None/4.2	Coastal prairie, Coastal scrub, Meadows and seeps, North Coast coniferous forest/perennial bulbiferous herb/Apr–June/33–3,510
Calyptridium parryi var. hesseae	Santa Cruz Mountains pussypaws	None/None/1B.1	Chaparral, Cismontane woodland; sandy or gravelly, openings/annual herb/May–Aug/1,000–5,015
Campanula californica	swamp harebell	None/None/1B.2	Bogs and fens, Closed-cone coniferous forest, Coastal prairie, Meadows and seeps, Marshes and swamps (freshwater), North Coast coniferous forest; mesic/perennial rhizomatous herb/June–Oct/3–1,325
Carex comosa	bristly sedge	None/None/2B.1	Coastal prairie, Marshes and swamps (lake margins), Valley and foothill grassland/perennial rhizomatous herb/May–Sep/0–2,050
Carex saliniformis	deceiving sedge	None/None/1B.2	Coastal prairie, Coastal scrub, Meadows and seeps, Marshes and swamps (coastal salt); mesic/perennial rhizomatous herb/June(July)/10–755
Castilleja ambigua var. ambigua	johnny-nip	None/None/4.2	Coastal bluff scrub, Coastal prairie, Coastal scrub, Marshes and swamps, Valley and foothill grassland, Vernal pools margins/annual herb (hemiparasitic)/Mar–Aug/0–1,425
Castilleja latifolia	Monterey Coast paintbrush	None/None/4.3	Closed-cone coniferous forest, Cismontane woodland (openings), Coastal dunes, Coastal scrub; sandy/perennial herb (hemiparasitic)/Feb–Sep/0–605
Ceanothus rigidus	Monterey ceanothus	None/None/4.2	Closed-cone coniferous forest, Chaparral, Coastal scrub; sandy/perennial evergreen shrub/Feb–Apr(June)/10–1,800



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Centromadia parryi ssp. congdonii	Congdon's tarplant	None/None/1B.1	Valley and foothill grassland (alkaline)/annual herb/May–Oct(Nov)/0–755
Chorizanthe pungens var. hartwegiana	Ben Lomond spineflower	FE/None/1B.1	Lower montane coniferous forest (maritime ponderosa pine sandhills)/annual herb/Apr–July/295–2,000
Chorizanthe pungens var. pungens	Monterey spineflower	FT/None/1B.2	Chaparral (maritime), Cismontane woodland, Coastal dunes, Coastal scrub, Valley and foothill grassland; sandy/annual herb/Apr– June(July–Aug)/10–1,475
Chorizanthe robusta var. hartwegii	Scotts Valley spineflower	FE/None/1B.1	Meadows and seeps (sandy), Valley and foothill grassland (mudstone and Purisima outcrops)/annual herb/Apr–July/755–805
Chorizanthe robusta var. robusta	robust spineflower	FE/None/1B.1	Chaparral (maritime), Cismontane woodland (openings), Coastal dunes, Coastal scrub; sandy or gravelly/annual herb/Apr–Sep/10–985
Clarkia breweri	Brewer's clarkia	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub; often serpentinite/annual herb/Apr–June/705–3,655
Clarkia concinna ssp. automixa	Santa Clara red ribbons	None/None/4.3	Chaparral, Cismontane woodland/annual herb/(Apr)May–June(July)/295–4,920
Collinsia multicolor	San Francisco collinsia	None/None/1B.2	Closed-cone coniferous forest, Coastal scrub; sometimes serpentinite/annual herb/(Feb)Mar–May/98–902
Cypripedium fasciculatum	clustered lady's- slipper	None/None/4.2	Lower montane coniferous forest, North Coast coniferous forest; usually serpentinite seeps and streambanks/perennial rhizomatous herb/Mar–Aug/328–7,985
Cypripedium montanum	mountain lady's- slipper	None/None/4.2	Broadleafed upland forest, Cismontane woodland, Lower montane coniferous forest, North Coast coniferous forest/perennial rhizomatous herb/Mar–Aug/607–7,295
Dacryophyllum falcifolium	tear drop moss	None/None/1B.3	North Coast coniferous forest; carbonate/moss/N.A./164–900
Elymus californicus	California bottle- brush grass	None/None/4.3	Broadleafed upland forest, Cismontane woodland, North Coast coniferous forest, Riparian woodland/perennial herb/May– Aug(Nov)/49–1,540



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Eriogonum nudum var. decurrens	Ben Lomond buckwheat	None/None/1B.1	Chaparral, Cismontane woodland, Lower montane coniferous forest (maritime ponderosa pine sandhills); sandy/perennial herb/June–Oct/164–2,620
Erysimum ammophilum	sand-loving wallflower	None/None/1B.2	Chaparral (maritime), Coastal dunes, Coastal scrub; sandy, openings/perennial herb/Feb–June/0–195
Erysimum franciscanum	San Francisco wallflower	None/None/4.2	Chaparral, Coastal dunes, Coastal scrub, Valley and foothill grassland; often serpentinite or granitic, sometimes roadsides/perennial herb/Mar–June/0–1,800
Erysimum teretifolium	Santa Cruz wallflower	FE/SE/1B.1	Chaparral, Lower montane coniferous forest; inland marine sands/perennial herb/Mar–July/394–2,000
Eschscholzia hypecoides	San Benito poppy	None/None/4.3	Chaparral, Cismontane woodland, Valley and foothill grassland; serpentinite clay/annual herb/Mar–June/656–4,920
Fissidens pauperculus	minute pocket moss	None/None/1B.2	North Coast coniferous forest (damp coastal soil)/moss/N.A./33–3,355
Fritillaria agrestis	stinkbells	None/None/4.2	Chaparral, Cismontane woodland, Pinyon and juniper woodland, Valley and foothill grassland; Clay, sometimes serpentinite/perennial bulbiferous herb/Mar–June/33–5,100
Gilia tenuiflora ssp. arenaria	Monterey gilia	FE/ST/1B.2	Chaparral (maritime), Cismontane woodland, Coastal dunes, Coastal scrub; sandy, openings/annual herb/Apr–June/0–150
Grimmia torenii	Toren's grimmia	None/None/1B.3	Chaparral, Cismontane woodland, Lower montane coniferous forest; Openings, rocky, boulder and rock walls, carbonate, volcanic/moss/N.A./1,065–3,805
Grimmia vaginulata	vaginulate grimmia	None/None/1B.1	Chaparral (openings); Rocky, boulder and rock walls, carbonate/moss/N.A./2,245–2,245
Hesperevax sparsiflora var. brevifolia	short-leaved evax	None/None/1B.2	Coastal bluff scrub (sandy), Coastal dunes, Coastal prairie/annual herb/Mar–June/0–705
Hesperocyparis abramsiana var. abramsiana	Santa Cruz cypress	FT/SE/1B.2	Closed-cone coniferous forest, Chaparral, Lower montane coniferous forest; sandstone or granitic/perennial evergreen tree/N.A./919– 2,620
Holocarpha macradenia	Santa Cruz tarplant	FT/SE/1B.1	Coastal prairie, Coastal scrub, Valley and foothill grassland; often clay, sandy/annual herb/June–Oct/33–720



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Horkelia cuneata var. sericea	Kellogg's horkelia	None/None/1B.1	Closed-cone coniferous forest, Chaparral (maritime), Coastal dunes, Coastal scrub; sandy or gravelly, openings/perennial herb/Apr–Sep/33–655
Horkelia marinensis	Point Reyes horkelia	None/None/1B.2	Coastal dunes, Coastal prairie, Coastal scrub; sandy/perennial herb/May–Sep/16–2,475
Hosackia gracilis	harlequin lotus	None/None/4.2	Broadleafed upland forest, Coastal bluff scrub, Closed-cone coniferous forest, Cismontane woodland, Coastal prairie, Coastal scrub, Meadows and seeps, Marshes and swamps, North Coast coniferous forest, Valley and foothill grassland; wetlands, roadsides/perennial rhizomatous herb/Mar–July/0–2,295
Iris longipetala	coast iris	None/None/4.2	Coastal prairie, Lower montane coniferous forest, Meadows and seeps; mesic/perennial rhizomatous herb/Mar–May(June)/0–1,965
Jepsonia malvifolia	island jepsonia	None/None/4.2	Chaparral, Coastal scrub/perennial herb/Aug,Oct,Nov,Dec,Jan/49–3,280
Lasthenia californica ssp. macrantha	perennial goldfields	None/None/1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub/perennial herb/Jan–Nov/16–1,705
Leptosiphon acicularis	bristly leptosiphon	None/None/4.2	Chaparral, Cismontane woodland, Coastal prairie, Valley and foothill grassland/annual herb/Apr–July/180–4,920
Leptosiphon ambiguus	serpentine leptosiphon	None/None/4.2	Cismontane woodland, Coastal scrub, Valley and foothill grassland; usually serpentinite/annual herb/Mar–June/394–3,705
Leptosiphon grandiflorus	large-flowered leptosiphon	None/None/4.2	Coastal bluff scrub, Closed-cone coniferous forest, Cismontane woodland, Coastal dunes, Coastal prairie, Coastal scrub, Valley and foothill grassland; usually sandy/annual herb/Apr–Aug/16–4,000
Lessingia hololeuca	woolly-headed lessingia	None/None/3	Broadleafed upland forest, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland; clay, serpentinite/annual herb/June–Oct/49–1,000
Lilium rubescens	redwood lily	None/None/4.2	Broadleafed upland forest, Chaparral, Lower montane coniferous forest, North Coast coniferous forest, Upper montane coniferous forest; Sometimes serpentinite, sometimes



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			roadsides/perennial bulbiferous herb/Apr– Aug(Sep)/98–6,265
Lomatium parviflorum	Small-leaved Lomatium	None/None/4.2	Closed-cone coniferous forest, Chaparral, Coastal scrub, Riparian woodland; serpentinite/perennial herb/Jan–June/66– 2,295
Malacothamnus arcuatus	arcuate bush- mallow	None/None/1B.2	Chaparral, Cismontane woodland/perennial evergreen shrub/Apr–Sep/49–1,160
Micropus amphibolus	Mt. Diablo cottonweed	None/None/3.2	Broadleafed upland forest, Chaparral, Cismontane woodland, Valley and foothill grassland; rocky/annual herb/Mar–May/148– 2,705
Microseris paludosa	marsh microseris	None/None/1B.2	Closed-cone coniferous forest, Cismontane woodland, Coastal scrub, Valley and foothill grassland/perennial herb/Apr–June(July)/16–1,160
Mielichhoferia elongata	elongate copper moss	None/None/4.3	Broadleafed upland forest, Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Meadows and seeps, Subalpine coniferous forest; Metamorphic rock, usually acidic, usually vernally mesic, often roadsides, sometimes carbonate/moss/N.A./0–6,430
Mimulus rattanii ssp. decurtatus	Santa Cruz County monkeyflower	None/None/4.2	Chaparral, Lower montane coniferous forest; margins, gravelly/annual herb/May– July/1,310–1,640
Monardella sinuata ssp. nigrescens	northern curly- leaved monardella	None/None/1B.2	Chaparral (SCR Co.), Coastal dunes, Coastal scrub, Lower montane coniferous forest (SCR Co., ponderosa pine sandhills); Sandy./annual herb/(Apr)May–July(Aug–Sep)/0–985
Monolopia gracilens	woodland woolythreads	None/None/1B.2	Broadleafed upland forest (openings), Chaparral (openings), Cismontane woodland, North Coast coniferous forest (openings), Valley and foothill grassland; Serpentine/annual herb/(Feb)Mar–July/328– 3,935
Orthotrichum kellmanii	Kellman's bristle moss	None/None/1B.2	Chaparral, Cismontane woodland; sandstone, carbonate/moss/Jan–Feb/1,125–2,245
Pedicularis dudleyi	Dudley's lousewort	None/SR/1B.2	Chaparral (maritime), Cismontane woodland, North Coast coniferous forest, Valley and foothill grassland/perennial herb/Apr– June/197–2,950



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Penstemon rattanii var. kleei	Santa Cruz Mountains beardtongue	None/None/1B.2	Chaparral, Lower montane coniferous forest, North Coast coniferous forest/perennial herb/May–June/1,310–3,605
Pentachaeta bellidiflora	white-rayed pentachaeta	FE/SE/1B.1	Cismontane woodland, Valley and foothill grassland (often serpentinite)/annual herb/Mar–May/115–2,030
Perideridia gairdneri ssp. gairdneri	Gairdner's yampah	None/None/4.2	Broadleafed upland forest, Chaparral, Coastal prairie, Valley and foothill grassland, Vernal pools; vernally mesic/perennial herb/June–Oct/0–2,000
Pinus radiata	Monterey pine	None/None/1B.1	Closed-cone coniferous forest, Cismontane woodland/perennial evergreen tree/N.A./82–605
Piperia candida	white-flowered rein orchid	None/None/1B.2	Broadleafed upland forest, Lower montane coniferous forest, North Coast coniferous forest; sometimes serpentinite/perennial herb/(Mar)May—Sep/98—4,295
Piperia michaelii	Michael's rein orchid	None/None/4.2	Coastal bluff scrub, Closed-cone coniferous forest, Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest/perennial herb/Apr–Aug/10–3,000
Plagiobothrys chorisianus var. chorisianus	Choris' popcornflower	None/None/1B.2	Chaparral, Coastal prairie, Coastal scrub; mesic/annual herb/Mar–June/10–525
Plagiobothrys chorisianus var. hickmanii	Hickman's popcornflower	None/None/4.2	Closed-cone coniferous forest, Chaparral, Coastal scrub, Marshes and swamps, Vernal pools/annual herb/Apr–June/49–605
Plagiobothrys diffusus	San Francisco popcornflower	None/SE/1B.1	Coastal prairie, Valley and foothill grassland/annual herb/Mar_June/197_1,180
Polygonum hickmanii	Scotts Valley polygonum	FE/SE/1B.1	Valley and foothill grassland (mudstone and sandstone)/annual herb/May–Aug/689–820
Puccinellia simplex	California alkali grass	None/None/1B.2	Chenopod scrub, Meadows and seeps, Valley and foothill grassland, Vernal pools; Alkaline, vernally mesic; sinks, flats, and lake margins/annual herb/Mar–May/7–3,050
Ranunculus lobbii	Lobb's aquatic buttercup	None/None/4.2	Cismontane woodland, North Coast coniferous forest, Valley and foothill grassland, Vernal pools; mesic/annual herb (aquatic)/Feb-May/49-1,540
Rosa pinetorum	pine rose	None/None/1B.2	Closed-cone coniferous forest, Cismontane woodland/perennial shrub/May,July/7–3,100



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Sanicula hoffmannii	Hoffmann's sanicle	None/None/4.3	Broadleafed upland forest, Coastal bluff scrub, Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest; often serpentinite or clay/perennial herb/Mar–May/98–985
Senecio aphanactis	chaparral ragwort	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub; sometimes alkaline/annual herb/Jan–Apr(May)/49–2,620
Sidalcea malachroides	maple-leaved checkerbloom	None/None/4.2	Broadleafed upland forest, Coastal prairie, Coastal scrub, North Coast coniferous forest, Riparian woodland; Often in disturbed areas/perennial herb/(Mar)Apr–Aug/0–2,395
Silene verecunda ssp. verecunda	San Francisco campion	None/None/1B.2	Coastal bluff scrub, Chaparral, Coastal prairie, Coastal scrub, Valley and foothill grassland; sandy/perennial herb/(Feb)Mar– June(Aug)/98–2,115
Stebbinsoseris decipiens	Santa Cruz microseris	None/None/1B.2	Broadleafed upland forest, Closed-cone coniferous forest, Chaparral, Coastal prairie, Coastal scrub, Valley and foothill grassland; open areas, sometimes serpentinite/annual herb/Apr–May/33–1,640
Toxicoscordion fontanum	marsh zigadenus	None/None/4.2	Chaparral, Cismontane woodland, Lower montane coniferous forest, Meadows and seeps, Marshes and swamps; vernally mesic, often serpentinite/perennial bulbiferous herb/Apr–July/49–3,280
Trifolium buckwestiorum	Santa Cruz clover	None/None/1B.1	Broadleafed upland forest, Cismontane woodland, Coastal prairie; gravelly, margins/annual herb/Apr–Oct/344–2,000
Trifolium hydrophilum	saline clover	None/None/1B.2	Marshes and swamps, Valley and foothill grassland (mesic, alkaline), Vernal pools/annual herb/Apr–June/0–985
Trifolium polyodon	Pacific Grove clover	None/SR/1B.1	Closed-cone coniferous forest, Coastal prairie, Meadows and seeps, Valley and foothill grassland; mesic, sometimes granitic/annual herb/Apr–June(July)/16–1,390
Usnea longissima	Methuselah's beard lichen	None/None/4.2	Broadleafed upland forest, North Coast coniferous forest; On tree branches; usually on old growth hardwoods and conifers/fruticose lichen (epiphytic)/N.A./164–4,790

Sources: CDFW 2021a, CNPS 2021

Status Legend:

FE: Federally listed as endangered FT: Federally listed as threatened



FC: Federal Candidate for listing

DL: Delisted

SE: State listed as endangered ST: State listed as threatened

SR: State Rare

CRPR 1B: Plants rare, threatened, or endangered in California and elsewhere

CRPR 2B: Plants rare, threatened, or endangered in California but more common elsewhere

CRPR 3: Review List: Plants about which more information is needed

CRPR 4: Watch List: Plants of limited distribution

- .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)"

SPECIAL STATUS WILDLIFE

Common Name	Scientific Name	Status (Federal/State)	Habitat
Invertebrates			
Monarch Butterfly - California overwintering population	Danaus plexippus pop. 1	FC/None	Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico. Roosts located in wind-protected tree groves (eucalyptus, Monterey pine, cypress), with nectar and water sources nearby.
Bay checkerspot butterfly	Euphydryas editha bayensis	FT/None	Serpentine grassland in Santa Clara and San Mateo Counties. Primary host plant is native plantain (<i>Plantago erecta</i>) with two secondary host plants: purple owl's-clover (<i>Castilleja densiflora</i>) and exserted paintbrush (<i>Castilleja exserta</i>).
Mount Hermon (=barbate) June beetle	Polyphylla barbata	FE/None	Known only from sand hills in vicinity of Mount Hermon, Santa Cruz County, where it occurs in sparsely vegetated ponderosa pine and chaparral habitat with sandy sedimentary derived soils in the Zayante Sandhills formation.
Ohlone tiger beetle	Cicindela ohlone	FE/None	Remnant native grasslands with California oatgrass (<i>Danthonia californica</i>) and purple needlegrass (<i>Stipa pulchra</i>) in Santa Cruz County



Smith's blue butterfly	Euphilotes enoptes smithi	FE/None	Restricted to Monterey and Santa Cruz Counties, where they occur in coastal sand dunes, coastal sage scrub, chaparral, grassland, and their ecotones.
Zayante band-winged grasshopper	Trimerotropis infantilis	FE/None	Open sandy areas with sparse, low annual and perennial herbs on high ridges and hills with sparse ponderosa pine within the Zayante Sandhills formation in Santa Cruz County.
Fishes			
Coho salmon - central California coast ESU	Oncorhynchus kisutch pop. 4	FE/SE	Coho spend approximately the first half of their life cycle rearing and feeding in streams and small freshwater tributaries. Spawning habitat is small streams with stable gravel substrates. The remainder of the life cycle is spent foraging in estuarine and marine waters of the Pacific Ocean. They feed on plankton and insects in freshwater and switch to a diet of small fishes while in the ocean. Southern limit of range is in central Santa Cruz County.
Eulachon	Thaleichthys pacificus	FT/None	Found in Klamath River, Mad River, and Redwood Creek and in small numbers in Smith River and Humboldt Bay tributaries
Monterey hitch	Lavinia exilicauda harengus	None/SSC	Tributaries to Monterey Bay, specifically the Salinas, Pajaro, & San Lorenzo drainages. Occur in a wide variety of habitats but most abundant in lowlands with large pools or small reservoirs that mimic such conditions.
Steelhead - central California coast DPS	Oncorhynchus mykiss irideus pop. 8	FT/None	Spawns in streams from the Russian River, Sonoma County, to Aptos Creek, Santa Cruz County, California (inclusive). Also occur in drainages tributary to San Francisco and San Pablo Bays. Regardless of life history strategy, for the first year or two of life rainbow trout and steelhead are found in cool, clear, fast-flowing permanent streams and rivers where riffles predominate over pools, there is ample cover from riparian vegetation or undercut banks, and invertebrate life is diverse and abundant.



Steelhead - south-central California coast DPS	Oncorhynchus mykiss irideus pop. 9	FT/None	Coastal basins from Redwood Creek south to the Gualala River, inclusive; does not include summer-run steelhead
Tidewater goby	Eucyclogobius newberryi	FE/SSC	Brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego County, to the mouth of the Smith River
Amphibians			
California giant salamander	Dicamptodon ensatus	None/SSC	Known from wet coastal forests and chaparral near streams and seeps from Mendocino Co. south to Monterey Co. and east to Napa Co. Aquatic larvae found in cold, clear streams, occasionally in lakes and ponds. Adults known from wet forests under rocks and logs near streams and lakes.
California red-legged frog	Rana draytonii	FT/SSC	Lowland streams, wetlands, riparian woodlands, livestock ponds; dense, shrubby or emergent vegetation associated with deep, still or slow-moving water; uses adjacent uplands
California tiger salamander - central California DPS	Ambystoma californiense	FT/ST	Annual grassland, valley–foothill hardwood, and valley–foothill riparian habitats; vernal pools, other ephemeral pools, and (uncommonly) along stream courses and man-made pools if predatory fishes are absent
Foothill yellow-legged frog	Rana boylii	None/SSC, SE	Rocky streams and rivers with open banks in forest, chaparral, and woodland
Santa Cruz black salamander	Aneides flavipunctatus niger	None/SSC	Restricted to mesic forests in the fog belt of the outer Coast Range of San Mateo, Santa Cruz, and Santa Clara counties. Mixed deciduous and coniferous woodlands and coastal grasslands. Occurs in moist streamside microhabitats and is found under rocks, talus, and damp woody debris.
Santa Cruz long-toed salamander	Ambystoma macrodactylum croceum	FE/FP, SE	Temporary ponds for breeding and adjacent riparian vegetation, coastal scrub, and oak woodland during the nonbreeding season. This subspecies is restricted to southern Santa Cruz



			and northern Montery Counties. Its entire distribution spans no more than 15 miles.
Reptiles			
Coast horned lizard	Phrynosoma blainvillii	None/SSC	Occurs in a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Requires open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.
Northern California legless lizard	Anniella pulchra	None/SSC	Coastal dunes, stabilized dunes, beaches, dry washes, valley–foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and sandy or loose, loamy soils
San Francisco gartersnake	Thamnophis sirtalis tetrataenia	FE/SE, FP	Endemic to San Francisco Peninsula from northern San Mateo County along eastern Santa Cruz Mountains and west to Point Ano Nuevo. Most commonly associated with emergent vegetation along the borders of ponds, marshes, and lakes. Rodent burrows in adjacent uplands are an important habitat component as they provide hibernation sites and escape cover.
Western pond turtle	Emys (=Actinemys) marmorata	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
Birds			
American peregrine falcon (nesting)	Falco peregrinus anatum	None/FP	Nests on cliffs, buildings, and bridges; forages in wetlands, riparian, meadows, croplands, especially where waterfowl are present
Bald eagle (nesting & wintering)	Haliaeetus leucocephalus	BGEPA/SE, FP	Nests in forested areas adjacent to large bodies of water, including seacoasts, rivers, swamps, large lakes; winters near large bodies of water in lowlands and mountains
Bank swallow (nesting)	Riparia riparia	None/ST	Nests in riparian, lacustrine, and coastal areas with vertical banks,



			bluffs, and cliffs with sandy soils; open country and water during migration
Black swift (nesting)	Cypseloides niger	None/SSC	Nests in moist crevices, caves, and cliffs behind or adjacent to waterfalls in deep canyons; forages over a wide range of habitats
Burrowing owl	Athene cunicularia	None/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows
California black rail	Laterallus jamaicensis coturniculus	None/FP, ST	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation.
California brown pelican	Pelecanus occidentalis californicus	None/FP	Colonial nester on coastal islands in southern California and Baja California just outside the surf line. Post-breeding adults and dispersing juveniles forage over marine and estuarine waters along the central and northern California coast from June to November.
California condor	Gymnogyps californianus	FE/FP, SE	Nests in rock formations, deep caves, and occasionally in cavities in giant sequoia trees (<i>Sequoiadendron giganteus</i>); forages in relatively open habitats where large animal carcasses can be detected
California least tern (nesting colony)	Sternula antillarum browni	FE/FP, SE	Forages in shallow estuaries and lagoons; nests on sandy beaches or exposed tidal flats
California spotted owl	Strix occidentalis occidentalis	None/SSC	Mixed conifer forest, often with an understory of deciduous hardwoods. Most often found in deep-shaded canyons, on north-facing slopes, and within 990 feet of water.
Golden eagle (nesting & wintering)	Aquila chrysaetos	BGEPA/FP	Nests and winters in hilly, open/semi- open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats
Grasshopper sparrow (nesting)	Ammodramus savannarum	None/SSC	Nests and forages in moderately open grassland with tall forbs or scattered shrubs used for perches



Least Bell's vireo (nesting)	Vireo bellii pusillus	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
Loggerhead shrike (nesting)	Lanius Iudovicianus	None/SSC	Prefers open country for hunting, with perches for scanning, and fairly dense shrubs and brush for nesting.
Long-eared owl (nesting)	Asio otus	None/SSC	Nests in riparian habitat, live oak thickets, other dense stands of trees, edges of coniferous forest; forages in nearby open habitats
Marbled murrelet	Brachyramphus marmoratus	FT/SE	Nests in old-growth coastal forests, forages in subtidal and pelagic habitats
Olive-sided flycatcher (nesting)	Contopus cooperi	None/SSC	Nests in mixed-conifer, montane hardwood–conifer, Douglas-fir, redwood, red fir, and lodgepole pine habitats; usually close to water
Purple martin (nesting)	Progne subis	None/SSC	Nests and forages in woodland habitats including riparian, coniferous, and valley foothill and montane woodlands; in the Sacramento region often nests in weep holes under elevated freeways
Saltmarsh (=San Francisco) common yellowthroat	Geothlypis trichas sinuosa	None/SSC	Resident of the San Francisco Bay region, in fresh and salt water marshes. Requires thick, continuous cover down to water surface for foraging; tall grasses, tule patches, willows for nesting.
Southwestern willow flycatcher	Empidonax traillii extimus	FE/SE	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration
Tricolored blackbird (nesting colony)	Agelaius tricolor	None/SSC, ST	Nests in freshwater, emergent wetlands with cattails or tules, but also in Himalayan blackberrry; forages in grasslands, woodland, and agriculture
Western snowy plover	Charadrius alexandrinus nivosus	FT/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
White-tailed kite (nesting)	Elanus leucurus	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
Willow flycatcher	Empidonax traillii	None/SSC	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration
Yellow warbler (nesting)	Setophaga petechia	None/SSC	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats
Yellow-breasted chat (nesting)	Icteria virens	None/SSC	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush
Mammals			
American badger	Taxidea taxus	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils
Monterey shrew	Sorex ornatus salarius	None/SSC	Riparian, wetland & upland areas in the vicinity of the Salinas River delta.
Pallid bat	Antrozous pallidus	None/SSC	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in man-made structures and trees
San Joaquin kit fox	Vulpes macrotis mutica	FE/ST	Annual grasslands or grassy open stages with scattered shrubby vegetation. Need loose-textured sandy soils for burrowing, and suitable prey base.
San Francisco dusky- footed woodrat	Neotoma fuscipes annectens	None/SSC	Forest habitats with a moderate canopy and moderate to dense understory
Townsend's big-eared bat	Corynorhinus townsendii	None/SSC	Mesic habitats characterized by coniferous and deciduous forests and riparian habitat, but also xeric areas; roosts in limestone caves and lava tubes, man-made structures, and tunnels
Western red bat	Lasiurus blossevillii	None/SSC	Roosts primarily in trees from sea level up through mixed conifer forests. Prefers habitat edges and mosaics with trees that are protected from





are	pove and open below with open eas for foraging.
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Sources: CDFW 2021a, USFWS 2021a

Status Legend:

BGEPA: Bald and Golden Eagle Protection Act

FE: Federally Endangered FT: Federally Threatened FC: Federal Candidate

FP: California Fully Protected Species SSC: California Species of Special Concern

SE: State Endangered ST: State Threatened