

Appendix B:
Biological Resources Supporting Information

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Table 1: Special-status Plant Species Evaluation

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵
	USFWS ¹	CDFW ²	CNPS ³		
Dicots					
<i>Amsinckia lunaris</i> Bent-flowered fiddleneck	—	—	1B.2	Cismontane woodland, valley and foothill grassland, coastal bluff scrub. Elevation: 3-795 m. Blooming period: March-June	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Arctostaphylos montaraensis</i> Montara manzanita	—	—	1B.2	Chaparral, coastal scrub on slopes on ridges. Elevation: 270-460 m. Blooming period: January-March	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Arctostaphylos regismontana</i> Kings Mountain manzanita	—	—	1B.2	Broadleafed upland forest, chaparral, north coast coniferous forest on granitic or sandstone outcrops. Elevation: 240-7005 m. Blooming period: January- April	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Collinsia multicolor</i> San Francisco collinsia	—	—	1B.2	Closed-cone coniferous forest, coastal scrub on decomposed shale mixed with humus; sometimes found on serpentine. Elevation: 10 – 275 m. Blooming period: March-May	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Dirca occidentalis</i> Western leatherwood	—	—	1B.2	Broadleafed upland forest, chaparral, closed-cone coniferous forest, cismontane woodland, north coast coniferous forest, riparian forest, riparian woodland. On brushy slopes, mesic sites; mostly in mixed evergreen and foothill woodland communities. Elevation: 20-640 m. Blooming period: November- March	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Eriophyllum latilobum</i> San Mateo woolly sunflower	FE	SE	1B.1	Cismontane woodland, coastal scrub, lower montane coniferous forest. Often on roadcuts; found on and off of serpentine. Elevation: 30-610 m. Blooming period: May-June	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.

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	USFWS ¹	CDFW ²	CNPS ³		
<i>Helianthella castanea</i> Diablo helianthella	—	—	1B.2	Broadleafed upland forest, chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland. Usually in chaparral/oak woodland interface in rocky, azonal soils. Often in partial shade. Elevation: 45-1070 m. Blooming period: March-June	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Hemizonia congesta</i> ssp. <i>congesta</i> Congested-headed hayfield tarplant	—	—	1B.2	Valley and foothill grassland. Grassy valleys and hills, often in fallow fields; sometimes along roadsides. Elevation: 5-520 m. Blooming period: April-November	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Hesperevax sparsiflora</i> var. <i>brevifolia</i> Short-leaved evax	—	—	1B.2	Coastal bluff scrub, coastal dunes, coastal prairie. Sandy bluffs and flats. Elevation: 0-640 m. Blooming period: March-June	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Hesperolinon congestum</i> Marin western flax	FT	ST	1B.1	Chaparral, valley and foothill grassland. In serpentine barrens and in serpentine grassland and chaparral. Elevation: 60-400 m. Blooming period: April-July	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Horkelia marinensis</i> Point Reyes horkelia	—	—	1B.2	Coastal dunes, coastal prairie, coastal scrub. Sandy flats and dunes near coast; in grassland or scrub plant communities. Elevation: 2-775 m. Blooming period: May-September	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Lessingia arachnoidea</i> Crystal Springs lessingia	—	—	1B.2	Coastal sage scrub, valley and foothill grassland, cismontane woodland. Grassy slopes on serpentine; sometimes on roadsides. Elevation: 90-200 m. Blooming period: July-October	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Malacothamnus arcuatus</i> arcuate bush-mallow	—	—	1B.2	Chaparral, cismontane woodland. Often found growing on gravelly alluvium substrates. Elevation: 0-735 m. Blooming period: April-September	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.

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	USFWS ¹	CDFW ²	CNPS ³		
<i>Monolopia gracilens</i> Woodland woollythreads	—	—	1B.2	Chaparral, valley and foothill grassland, cismontane woodland, broadleafed upland forest, North Coast coniferous forest. Grassy sites, in openings; sandy to rocky soils. Often seen on serpentine after burns but may have only weak affinity to serpentine. Elevation: 120-975 m. Blooming period: March-July	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Pentachaeta bellidiflora</i> White-rayed pentachaeta	FE	SE	1B.1	Valley and foothill grassland, cismontane woodland. Open dry rocky slopes and grassy areas, often on soils derived from serpentine bedrock. Elevation: 35-610 m. Blooming period: March-May	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Plagiobothrys chorisianus</i> var. <i>chorisianus</i> Choris' popcornflower	—	—	1B.2	Chaparral, coastal scrub, coastal prairie. Mesic sites. Elevation: 5-705 m. Blooming period: March-June	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Polemonium carneum</i> Oregon polemonium	—	—	2B.2	Coastal prairie, coastal scrub, lower montane coniferous forest. Elevation: 15-1525 m. Blooming period: April-September	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Silene scouleri</i> ssp. <i>scouleri</i> Scouler's catchfly	—	—	2B.2	Coastal bluff scrub, coastal prairie, valley and foothill grassland. Elevation: 5-315 m. Blooming period: June-August	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Silene verecunda</i> ssp. <i>verecunda</i> San Francisco campion	—	—	1B.2	Coastal scrub, valley and foothill grassland, coastal bluff scrub, chaparral, coastal prairie. Often on mudstone or shale; one site on serpentine. Elevation: 30-645 m. Blooming period: March-June	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Triphysaria floribunda</i> San Francisco owl's-clover	—	—	1B.2	Coastal prairie, coastal scrub, valley and foothill grassland. Elevation: 1-150 m. Blooming period: April-June	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵
	USFWS ¹	CDFW ²	CNPS ³		
Monocots					
<i>Allium peninsulare</i> var. <i>franciscanum</i> Franciscan onion	—	—	1B.2	Cismontane woodland, valley and foothill grassland. Clay soils; often on serpentine; sometimes on volcanics. Dry hillsides. Elevation: 5-320 m. Blooming period: May-June	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Fritillaria biflora</i> var. <i>ineziana</i> Hillsborough chocolate lily	—	—	1B.1	Cismontane woodland, valley and foothill grassland. Likely only on serpentine. Elevation: 90-170 m. Blooming period: March-April	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Fritillaria liliacea</i> Fragrant fritillary	—	—	1B.2	Coastal scrub, valley and foothill grassland, coastal prairie, cismontane woodland. Often on serpentine; various soils reported though usually on clay, in grassland. Elevation: 3-385 m. Blooming period: February-April	Not present. The project site is entirely developed and does not contain suitable habitat to support this species.
Code Designations					
1 Federal Status: 2022 USFWS Listing			2 State Status: 2022 CDFW Listing		3 CNPS: 2022 CNPS Listing
ESU = Evolutionary Significant Unit is a distinctive population. FE = Listed as endangered under the FESA. FT = Listed as threatened under the FESA. FC = Candidate for listing (threatened or endangered) under FESA. FD = Delisted in accordance with the FESA. FPD = Federally Proposed to be Delisted. MBTA = protected by the Migratory Bird Treaty Act — = Not federally listed			SE = Listed as endangered under the CESA. ST = Listed as threatened under the CESA. SSC = Species of Special Concern as identified by the CDFW. FP = Listed as fully protected under FGC. CFG = FGC =protected by FGC 3503.5 CR = Rare in California. — = Not state listed		Rank 1A = Plants species that presumed extinct in California. Rank 1B = Plant species that are rare, threatened, or endangered in California and elsewhere. Rank 2 = Plant species that are rare, threatened, or endangered in California, but more common elsewhere. Rank 3 = Plants about which we need more information—A Review List Rank 4 = Plants of limited distribution—A Watch List Blooming period: Months in parentheses are uncommon.
⁴ Habitat Description: Habitat description adapted from CNDB and CNPS online inventory or other specified source. ⁵ Potential to Occur and Rationale: Location of recorded species occurrences determined by geospatial information from BIOS 5 or other specified source*.					

Scientific Name Common Name	Status			Habitat Description⁴	Potential to Occur and Rationale⁵
	USFWS¹	CDFW²	CNPS³		
Sources:					
California Department of Fish and Wildlife (CDFW). 2022. CNDDDB RareFind 5 California Natural Diversity Database Query for Special-Status Species. Website: https://map.dfg.ca.gov/rarefind/view/RareFind.aspx . Accessed February 9, 2022.					
California Native Plant Society (CNPS). 2022. California Native Plant Society Rare and Endangered Plant Inventory. Website: http://www.rareplants.cnps.org/ . Accessed February 9, 2022.					
California Department of Fish and Wildlife (CDFW). 2022. Biogeographic Information and Observation System (BIOS 5). Website: https://map.dfg.ca.gov/bios/ . Accessed February 9, 2022.					

Table 2: Special-status Wildlife Species Evaluation

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴
	USFWS ¹	CDFW ²		
Amphibians				
<i>Dicamptodon ensatus</i> California giant salamander	—	— SSC	Known from wet coastal forests near streams and seeps from Mendocino County south to Monterey County, and east to Napa County. 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.	None. The project site is entirely developed and does not contain aquatic habitat to support this species.
<i>Rana boylii</i> Foothill yellow-legged frog	—	SE SSC	Partly-shaded, shallow streams and riffles with a rocky substrate in a variety of habitats. Needs at least some cobble-sized substrate for egg-laying. Needs at least 15 weeks to attain metamorphosis.	None. The project site is entirely developed and does not contain aquatic habitat to support this species.
<i>Rana draytonii</i> California red-legged frog	FT	— SSC	Lowlands and foothills in or near permanent sources of deep water with dense, shrubby, or emergent riparian vegetation. Requires 11-20 weeks of permanent water for larval development. Must have access to estivation habitat.	None. The project site is entirely developed and does not contain aquatic habitat to support this species.
Birds				
<i>Athene cunicularia</i> Burrowing owl	— MBTA	— SSC	Found in open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. A subterranean nester, dependent upon burrowing mammals, most notably the California ground squirrel.	None. The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Brachyramphus marmoratus</i> Marbled murrelet	FE MBTA	SE	Feeds near-shore; nests inland along coast from Eureka to Oregon border and from Half Moon Bay to Santa Cruz. Nests in old-growth redwood-dominated forests, up to six miles inland, often in Douglas-fir.	None. The project site is entirely developed and does not contain suitable nesting habitat to support this species.
<i>Falco peregrinus anatum</i> American peregrine falcon	— MBTA	— FP	Near wetlands, lakes, rivers, or other water; on cliffs, banks, dunes, mounds; also, human-made structures. Nest consists of a scrape or a depression or ledge in an open site.	None. The project site does not contain suitable nesting or foraging habitat to support this species. The project site is entirely developed and is utilized as an active water treatment facility.
<i>Geothlypis trichas sinuosa</i> Saltmarsh common yellowthroat	— MBTA	— 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.	None. The project site is entirely developed and does not contain aquatic habitat or emergent vegetation to support this species.

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	USFWS ¹	CDFW ²		
<i>Melospiza melodia pusillula</i> Alameda song sparrow	— MBTA	— SSC	Resident of salt marshes bordering south arm of San Francisco Bay. Inhabits Salicornia marshes; nests low in Grindelia bushes (high enough to escape high tides) and in Salicornia.	None. The project site is entirely developed and does not contain marsh habitat to support this species.
<i>Rallus obsoletus obsoletus</i> California Ridgway's rail	FE MBTA	SE FP	Salt water and brackish marshes traversed by tidal sloughs in the vicinity of San Francisco Bay. Associated with abundant growths of pickleweed, but feeds away from cover on invertebrates from mud-bottomed sloughs	None. The project site is entirely developed and does not contain pickleweed habitat to support this species.
Fish				
<i>Oncorhynchus mykiss irideus</i> (pop. 8) steelhead (central California coast DPS)	FT	—	DPS includes all naturally spawned populations of steelhead (and their progeny) in streams from the Russian River to Aptos Creek, Santa Cruz County, California (inclusive). Also includes the drainages of San Francisco and San Pablo Bays.	None. The project site does not contain aquatic habitat to support this species.
<i>Spirinchus thaleichthys</i> Longfin smelt	FC	ST	Euryhaline, nektonic and anadromous. Found in open waters of estuaries, mostly in middle or bottom of water column. Prefer salinities of 15-30 ppt, but can be found in completely freshwater to almost pure seawater.	None. The project site does not contain aquatic habitat to support this species.
Insects				
<i>Callophrys mossii bayensis</i> San Bruno elfin butterfly	FE	—	Coastal, mountainous areas with grassy ground cover, mainly in the vicinity of San Bruno Mountain, San Mateo County. Colonies are located on steep, north-facing slopes within the fog belt. Larval host plant is <i>Sedum spathulifolium</i> .	None. The project site does not contain coastal or mountainous habitat or the host plant to support this species.
<i>Icaricia icarioides missionensis</i> Mission blue butterfly	FE	—	Inhabits grasslands of the San Francisco peninsula. Three larval host plants: <i>Lupinus albifrons</i> , <i>L. variicolor</i> , and <i>L. formosus</i> , of which <i>L. albifrons</i> is favored.	None. The project site does not contain grassland habitat or the host plants to support this species.
<i>Speyeria zerene myrtleae</i> Myrtle's silverspot butterfly	FE	—	Restricted to the foggy, coastal dunes/hills of the Point Reyes peninsula; extirpated from coastal San Mateo County. Larval foodplant thought to be <i>Viola adunca</i> .	None. The project site does not contain coastal dune habitat or the host plant to support this species.

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	USFWS ¹	CDFW ²		
Mammals				
<i>Antrozous pallidus</i> pallid bat	—	— SSC	Inhabits low elevation (below 1,830 m./6,000 feet) rocky arid deserts and canyonlands, shrub-steppe grasslands, karst formations, and higher elevation coniferous forests (below 2,100 m./7,000 feet). Day and night roosts include crevices in rocky outcrops and cliffs, caves, mines, trees, and various human structures such as bridges, barns, porches, bat boxes, and human-occupied as well as vacant buildings.	None. The project would not demolish the existing man-made structures. The project site is located adjacent to US-101 and San Francisco International Airport resulting in increased noise levels which further preclude this species.
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	—	— SSC	Throughout California in a wide variety of habitats. Most common in mesic sites. Roosts in the open, hanging from walls and ceilings. Roosting sites limiting. Extremely sensitive to human disturbance.	None. The project would not demolish the existing man-made structures. The project site is located adjacent to US-101 and San Francisco International Airport resulting in increased noise levels which further preclude this species.
<i>Neotoma fuscipes annectens</i> San Francisco dusky-footed woodrat	—	— SSC	Forest habitats of moderate canopy and moderate to dense understory. May prefer chaparral and redwood habitats. Constructs nests of shredded grass, leaves and other material. May be limited by availability of nest-building materials.	None. The project site does not contain chaparral or redwood habitats to support this species.
Reptiles				
<i>Emys marmorata</i> western pond turtle	—	— SSC	Occurs in ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	None. The project site does not contain aquatic habitat to support this species.
<i>Thamnophis sirtalis tetrataenia</i> San Francisco gartersnake	FE	SE FP	Vicinity of freshwater marshes, ponds and slow-moving streams in San Mateo County and extreme northern Santa Cruz County. Prefers dense cover and water depths of at least one foot. Upland areas near water are also very important.	None. The project site does not contain aquatic habitat to support this species.

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	
	USFWS ¹	CDFW ²			
Code Designations					
¹ Federal Status: 2022 USFWS Listing			² State Status: 2022 CDFW Listing		
ESU = Evolutionary Significant Unit is a distinctive population.			SE = Listed as endangered under the CESA.		
FE = Listed as endangered under the FESA.			ST = Listed as threatened under the CESA.		
FT = Listed as threatened under the FESA.			SSC = Species of Special Concern as identified by the CDFW.		
FC = Candidate for listing (threatened or endangered) under FESA.			FP = Listed as fully protected under FGC.		
FD = Delisted in accordance with the FESA.			CFG = FGC =protected by FGC 3503.5		
FPD = Federally Proposed to be Delisted.			CE = Candidate endangered under the CESA.		
MBTA = protected by the Migratory Bird Treaty Act			WL = Species monitored by CDFW “Watch List”.		
— = Not federally listed			— = Not state listed		
³ Habitat Description: Habitat description adapted from CNDDDB or other specified source*.					
⁴ Potential to Occur and Rationale: Location of recorded species occurrences determined by geospatial information from BIOS 5 or other specified source*.					
Sources:					
California Department of Fish and Wildlife (CDFW). 2022. CNDDDB RareFind 5 California Natural Diversity Database Query for Special-Status Species. Website: https://map.dfg.ca.gov/rarefind/view/RareFind.aspx . Accessed February 9, 2022.					
California Department of Fish and Wildlife (CDFW). 2022. Biogeographic Information and Observation System (BIOS 5). Website: https://map.dfg.ca.gov/bios/ . Accessed February 9, 2022.					



Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad IS (Montara Mountain (3712254)> OR Hunters Point (3712263)> OR San Francisco South (3712264)> OR Half Moon Bay (3712244)> OR San Mateo (3712253)> OR Woodside (3712243))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Acanthomintha duttonii</i> San Mateo thorn-mint	PDLAM01040	Endangered	Endangered	G1	S1	1B.1
<i>Adela oplerella</i> Opler's longhorn moth	IILEE0G040	None	None	G2	S2	
<i>Agrostis blasdalei</i> Blasdale's bent grass	PMPOA04060	None	None	G2	S2	1B.2
<i>Allium peninsulare</i> var. <i>franciscanum</i> Franciscan onion	PMLIL021R1	None	None	G5T2	S2	1B.2
<i>Ambystoma californiense</i> pop. 1 California tiger salamander - central California DPS	AAAAA01181	Threatened	Threatened	G2G3	S3	WL
<i>Amsinckia lunaris</i> bent-flowered fiddleneck	PDBOR01070	None	None	G3	S3	1B.2
<i>Aneides niger</i> Santa Cruz black salamander	AAAAD01070	None	None	G3	S3	SSC
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G4	S3	SSC
<i>Arctostaphylos andersonii</i> Anderson's manzanita	PDERI04030	None	None	G2	S2	1B.2
<i>Arctostaphylos franciscana</i> Franciscan manzanita	PDERI040J3	Endangered	None	GHC	S1	1B.1
<i>Arctostaphylos imbricata</i> San Bruno Mountain manzanita	PDERI040L0	None	Endangered	G1	S1	1B.1
<i>Arctostaphylos montana</i> ssp. <i>ravenii</i> Presidio manzanita	PDERI040J2	Endangered	Endangered	G3T1	S1	1B.1
<i>Arctostaphylos montaraensis</i> Montara manzanita	PDERI042W0	None	None	G1	S1	1B.2
<i>Arctostaphylos pacifica</i> Pacific manzanita	PDERI040Z0	None	Endangered	G1	S1	1B.1
<i>Arctostaphylos regismontana</i> Kings Mountain manzanita	PDERI041C0	None	None	G2	S2	1B.2
<i>Astragalus pycnostachyus</i> var. <i>pycnostachyus</i> coastal marsh milk-vetch	PDFAB0F7B2	None	None	G2T2	S2	1B.2
<i>Astragalus tener</i> var. <i>tener</i> alkali milk-vetch	PDFAB0F8R1	None	None	G2T1	S1	1B.2
<i>Athene cunicularia</i> burrowing owl	ABNSB10010	None	None	G4	S3	SSC
<i>Banksula incredula</i> incredible harvestman	ILARA14100	None	None	G1	S1	



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California Department of Fish and Wildlife

California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Bombus caliginosus</i> obscure bumble bee	IIHYM24380	None	None	G4?	S1S2	
<i>Bombus occidentalis</i> western bumble bee	IIHYM24250	None	None	G2G3	S1	
<i>Brachyramphus marmoratus</i> marbled murrelet	ABNNN06010	Threatened	Endangered	G3	S2	
<i>Caecidotea tomaleensis</i> Tomales isopod	ICMAL01220	None	None	G2	S2S3	
<i>Calicina minor</i> Edgewood blind harvestman	ILARA13020	None	None	G1	S1	
<i>Callophrys mossii bayensis</i> San Bruno elfin butterfly	IILEPE2202	Endangered	None	G4T1	S3	
<i>Carex comosa</i> bristly sedge	PMCYC032Y0	None	None	G5	S2	2B.1
<i>Centromadia parryi</i> ssp. <i>parryi</i> pappose tarplant	PDAST4R0P2	None	None	G3T2	S2	1B.2
<i>Charadrius nivosus nivosus</i> western snowy plover	ABNNB03031	Threatened	None	G3T3	S2	SSC
<i>Chloropyron maritimum</i> ssp. <i>palustre</i> Point Reyes salty bird's-beak	PDSCR0J0C3	None	None	G4?T2	S2	1B.2
<i>Chorizanthe cuspidata</i> var. <i>cuspidata</i> San Francisco Bay spineflower	PDPGN04081	None	None	G2T1	S1	1B.2
<i>Chorizanthe robusta</i> var. <i>robusta</i> robust spineflower	PDPGN040Q2	Endangered	None	G2T1	S1	1B.1
<i>Cicindela hirticollis</i> <i>gravida</i> sandy beach tiger beetle	IICOL02101	None	None	G5T2	S2	
<i>Cirsium andrewsii</i> Franciscan thistle	PDAST2E050	None	None	G3	S3	1B.2
<i>Cirsium fontinale</i> var. <i>fontinale</i> fountain thistle	PDAST2E161	Endangered	Endangered	G2T1	S1	1B.1
<i>Cirsium occidentale</i> var. <i>compactum</i> compact cobwebby thistle	PDAST2E1Z1	None	None	G3G4T2	S2	1B.2
<i>Collomia corymbosa</i> round-headed Chinese-houses	PDSCR0H060	None	None	G1	S1	1B.2
<i>Collomia multicolor</i> San Francisco collomia	PDSCR0H0B0	None	None	G2	S2	1B.2
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	AMACC08010	None	None	G4	S2	SSC
<i>Danaus plexippus</i> pop. 1 monarch - California overwintering population	IILEPP2012	Candidate	None	G4T2T3	S2S3	
<i>Dicamptodon ensatus</i> California giant salamander	AAAAH01020	None	None	G3	S2S3	SSC



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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Dipodomys venustus venustus</i> Santa Cruz kangaroo rat	AMAFD03042	None	None	G4T1	S1	
<i>Dirca occidentalis</i> western leatherwood	PDTHY03010	None	None	G2	S2	1B.2
<i>Dufourea stagei</i> Stage's dufourine bee	IIHYM22010	None	None	G1G2	S1	
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Erethizon dorsatum</i> North American porcupine	AMAFJ01010	None	None	G5	S3	
<i>Eriophyllum latilobum</i> San Mateo woolly sunflower	PDAST3N060	Endangered	Endangered	G1	S1	1B.1
<i>Eucyclogobius newberryi</i> tidewater goby	AFCQN04010	Endangered	None	G3	S3	
<i>Eumetopias jubatus</i> Steller sea lion	AMAJC03010	Delisted	None	G3	S2	
<i>Euphydryas editha bayensis</i> Bay checkerspot butterfly	IILEPK4055	Threatened	None	G5T1	S1	
<i>Falco columbarius</i> merlin	ABNKD06030	None	None	G5	S3S4	WL
<i>Falco peregrinus anatum</i> American peregrine falcon	ABNKD06071	Delisted	Delisted	G4T4	S3S4	FP
<i>Fritillaria biflora var. ineziana</i> Hillsborough chocolate lily	PMLIL0V0M1	None	None	G3G4T1	S1	1B.1
<i>Fritillaria liliacea</i> fragrant fritillary	PMLIL0V0C0	None	None	G2	S2	1B.2
<i>Geothlypis trichas sinuosa</i> saltmarsh common yellowthroat	ABPBX1201A	None	None	G5T3	S3	SSC
<i>Gilia capitata ssp. chamissonis</i> blue coast gilia	PDPLM040B3	None	None	G5T2	S2	1B.1
<i>Gilia millefoliata</i> dark-eyed gilia	PDPLM04130	None	None	G2	S2	1B.2
<i>Grindelia hirsutula var. maritima</i> San Francisco gumplant	PDAST470D3	None	None	G5T1Q	S1	3.2
<i>Helianthella castanea</i> Diablo helianthella	PDAST4M020	None	None	G2	S2	1B.2
<i>Hemizonia congesta ssp. congesta</i> congested-headed hayfield tarplant	PDAST4R065	None	None	G5T2	S2	1B.2
<i>Hesperiavax sparsiflora var. brevifolia</i> short-leaved evax	PDASTE5011	None	None	G4T3	S3	1B.2
<i>Hesperolinon congestum</i> Marin western flax	PDLIN01060	Threatened	Threatened	G1	S1	1B.1



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<i>Heteranthera dubia</i> water star-grass	PPMPON03010	None	None	G5	S2	2B.2
<i>Horkelia cuneata var. sericea</i> Kellogg's horkelia	PDROS0W043	None	None	G4T1?	S1?	1B.1
<i>Horkelia marinensis</i> Point Reyes horkelia	PDROS0W0B0	None	None	G2	S2	1B.2
<i>Hydrochara rickseckeri</i> Ricksecker's water scavenger beetle	IICOL5V010	None	None	G2?	S2?	
<i>Hydroporus leechi</i> Leech's skyline diving beetle	IICOL55040	None	None	G1?	S1?	
<i>Hypogymnia schizidiata</i> island tube lichen	NLT0032640	None	None	G2G3	S2	1B.3
<i>Icaricia icarioides missionensis</i> Mission blue butterfly	IILEPG801A	Endangered	None	G5T1	S1	
<i>Icaricia icarioides pheres</i> Pheres blue butterfly	IILEPG8019	None	None	G5TX	SX	
<i>Ischnura gemina</i> San Francisco forktail damselfly	IIODO72010	None	None	G2	S2	
<i>Lasiurus cinereus</i> hoary bat	AMACC05030	None	None	G3G4	S4	
<i>Lasthenia californica ssp. macrantha</i> perennial goldfields	PDAST5L0C5	None	None	G3T2	S2	1B.2
<i>Laterallus jamaicensis coturniculus</i> California black rail	ABNME03041	None	Threatened	G3G4T1	S1	FP
<i>Layia carnosa</i> beach layia	PDAST5N010	Endangered	Endangered	G2	S2	1B.1
<i>Leptosiphon croceus</i> coast yellow leptosiphon	PDPLM09170	None	Endangered	G1	S1	1B.1
<i>Leptosiphon rosaceus</i> rose leptosiphon	PDPLM09180	None	None	G1	S1	1B.1
<i>Lessingia arachnoidea</i> Crystal Springs lessingia	PDAST5S0C0	None	None	G2	S2	1B.2
<i>Lessingia germanorum</i> San Francisco lessingia	PDAST5S010	Endangered	Endangered	G1	S1	1B.1
<i>Lichnanthe ursina</i> bumblebee scarab beetle	IICOL67020	None	None	G2	S2	
<i>Limnanthes douglasii ssp. ornduffii</i> Ornduff's meadowfoam	PDLIM02039	None	None	G4T1	S1	1B.1
<i>Malacothamnus arcuatus</i> arcuate bush-mallow	PDMAL0Q0E0	None	None	G2Q	S2	1B.2
<i>Melospiza melodia pusillula</i> Alameda song sparrow	ABPBXA301S	None	None	G5T2?	S2S3	SSC



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<i>Microcina edgewoodensis</i> Edgewood Park micro-blind harvestman	ILARA47010	None	None	G1	S1	
<i>Monardella sinuata ssp. nigrescens</i> northern curly-leaved monardella	PDLAM18162	None	None	G3T2	S2	1B.2
<i>Monolopia gracilens</i> woodland woollythreads	PDAST6G010	None	None	G3	S3	1B.2
<i>Mylopharodon conocephalus</i> hardhead	AFCJB25010	None	None	G3	S3	SSC
<i>Myotis thysanodes</i> fringed myotis	AMACC01090	None	None	G4	S3	
<i>Nannopterum auritum</i> double-crested cormorant	ABNFD01020	None	None	G5	S4	WL
<i>Neotoma fuscipes annectens</i> San Francisco dusky-footed woodrat	AMAFF08082	None	None	G5T2T3	S2S3	SSC
<i>Northern Coastal Salt Marsh</i> Northern Coastal Salt Marsh	CTT52110CA	None	None	G3	S3.2	
<i>Northern Maritime Chaparral</i> Northern Maritime Chaparral	CTT37C10CA	None	None	G1	S1.2	
<i>Nyctinomops macrotis</i> big free-tailed bat	AMACD04020	None	None	G5	S3	SSC
<i>Oncorhynchus mykiss irideus pop. 8</i> steelhead - central California coast DPS	AFCHA0209G	Threatened	None	G5T2T3Q	S2S3	
<i>Pentachaeta bellidiflora</i> white-rayed pentachaeta	PDAST6X030	Endangered	Endangered	G1	S1	1B.1
<i>Plagiobothrys chorisianus var. chorisianus</i> Choris' popcornflower	PDBOR0V061	None	None	G3T1Q	S1	1B.2
<i>Polemonium carneum</i> Oregon polemonium	PDPLM0E050	None	None	G3G4	S2	2B.2
<i>Polygonum marinense</i> Marin knotweed	PDPGN0L1C0	None	None	G2Q	S2	3.1
<i>Pomatiopsis californica</i> Pacific walker	IMGASJ9020	None	None	G1	S1	
<i>Potentilla hickmanii</i> Hickman's cinquefoil	PDROS1B370	Endangered	Endangered	G1	S1	1B.1
<i>Rallus obsoletus obsoletus</i> California Ridgway's rail	ABNME05011	Endangered	Endangered	G3T1	S1	FP
<i>Rana boylii</i> foothill yellow-legged frog	AAABH01050	None	Endangered	G3	S3	SSC
<i>Rana draytonii</i> California red-legged frog	AAABH01022	Threatened	None	G2G3	S2S3	SSC
<i>Reithrodontomys raviventris</i> salt-marsh harvest mouse	AMAFF02040	Endangered	Endangered	G1G2	S1S2	FP



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<i>Riparia riparia</i> bank swallow	ABPAU08010	None	Threatened	G5	S2	
<i>Sanicula maritima</i> adobe sanicle	PDAPI1Z0D0	None	Rare	G2	S2	1B.1
<i>Senecio aphanactis</i> chaparral ragwort	PDAST8H060	None	None	G3	S2	2B.2
<i>Serpentine Bunchgrass</i> Serpentine Bunchgrass	CTT42130CA	None	None	G2	S2.2	
<i>Silene scouleri</i> ssp. <i>scouleri</i> Scouler's catchfly	PDCAR0U1MC	None	None	G5T4T5	S2S3	2B.2
<i>Silene verecunda</i> ssp. <i>verecunda</i> San Francisco campion	PDCAR0U213	None	None	G5T1	S1	1B.2
<i>Speyeria callippe</i> <i>callippe</i> callippe silverspot butterfly	IILEPJ6091	Endangered	None	G5T1	S1	
<i>Speyeria zerene</i> <i>myrtleae</i> Myrtle's silverspot butterfly	IILEPJ608C	Endangered	None	G5T1	S1	
<i>Spirinchus thaleichthys</i> longfin smelt	AFCHB03010	Candidate	Threatened	G5	S1	
<i>Suaeda californica</i> California seablite	PDCHE0P020	Endangered	None	G1	S1	1B.1
<i>Taxidea taxus</i> American badger	AMAJF04010	None	None	G5	S3	SSC
<i>Thamnophis sirtalis</i> <i>tetrateenia</i> San Francisco gartersnake	ARADB3613B	Endangered	Endangered	G5T2Q	S2	FP
<i>Trachusa gummifera</i> San Francisco Bay Area leaf-cutter bee	IHYM80010	None	None	G1	S1	
<i>Trifolium amoenum</i> two-fork clover	PDFAB40040	Endangered	None	G1	S1	1B.1
<i>Trifolium hydrophilum</i> saline clover	PDFAB400R5	None	None	G2	S2	1B.2
<i>Triphysaria floribunda</i> San Francisco owl's-clover	PDSCR2T010	None	None	G2?	S2?	1B.2
<i>Triquetrella californica</i> coastal triquetrella	NBMUS7S010	None	None	G2	S2	1B.2
<i>Tryonia imitator</i> mimic tryonia (=California brackishwater snail)	IMGASJ7040	None	None	G2	S2	
<i>Usnea longissima</i> Methuselah's beard lichen	NLLEC5P420	None	None	G4	S4	4.2
<i>Valley Needlegrass Grassland</i> Valley Needlegrass Grassland	CTT42110CA	None	None	G3	S3.1	

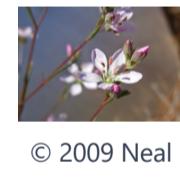
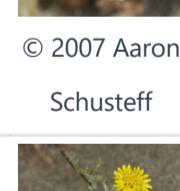
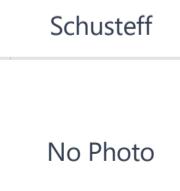
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9 matches found. Click on scientific name for details

Search Criteria: CRPR is one of [1A:1B:2A:2B:3] Fed List is one of [FE:FT:FC] and State List is one of [CE:CT:CR:CE:CT] , 9-Quad include [3712263:3712264:3712244:3712253:3712243:3712254]

▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FE LIST	CE LIST	GLOBAL RANK	STATE RANK	CA RARE PLANT RANK	PHOTO
<i>Acanthomintha duttonii</i>	San Mateo thorn-mint	Lamiaceae	annual herb	Apr-Jun	FE	CE	G1	S1	1B.1	
										© 2011 Aaron Schusteff
<i>Arctostaphylos montana</i> ssp. <i>ravenii</i>	Presidio manzanita	Ericaceae	perennial evergreen shrub	Feb-Mar	FE	CE	G3T1	S1	1B.1	
										© 2019 Susan McDougall
<i>Cirsium fontinale</i> var. <i>fontinale</i>	fountain thistle	Asteraceae	perennial herb	(Apr)May-Oct	FE	CE	G2T1	S1	1B.1	
										No Photo Available
<i>Eriophyllum latilobum</i>	San Mateo woolly sunflower	Asteraceae	perennial herb	May-Jun	FE	CE	G1	S1	1B.1	
										No Photo Available
<i>Hesperolinon congestum</i>	Marin western flax	Linaceae	annual herb	Apr-Jul	FT	CT	G1	S1	1B.1	
										© 2009 Neal Kramer
<i>Layia carnosa</i>	beach layia	Asteraceae	annual herb	Mar-Jul	FE	CE	G2	S2	1B.1	
										© 2007 Aaron Schusteff
<i>Lessingia germanorum</i>	San Francisco lessingia	Asteraceae	annual herb	(Jun)Jul-Nov	FE	CE	G1	S1	1B.1	
										© 2019 Aaron Schusteff
<i>Pentachaeta bellidiflora</i>	white-rayed pentachaeta	Asteraceae	annual herb	Mar-May	FE	CE	G1	S1	1B.1	
										No Photo Available
<i>Potentilla hickmanii</i>	Hickman's cinquefoil	Rosaceae	perennial herb	Apr-Aug	FE	CE	G1	S1	1B.1	
										No Photo Available

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