

APPENDIX D

Biological Resources Supporting Information

This appendix includes complex tables that are not accessible using an assistive device such as a screen reader. For additional assistance please contact CPUC.

This page intentionally left blank.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Ventura Fish And Wildlife Office
2493 Portola Road, Suite B
Ventura, CA 93003-7726
Phone: (805) 644-1766 Fax: (805) 644-3958

In Reply Refer To:

November 18, 2020

Consultation Code: 08EVEN00-2019-SLI-0752

Event Code: 08EVEN00-2021-E-00129

Project Name: Estrella Substation and Paso Robles Area Reinforcement Project

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed list identifies species listed as threatened and endangered, species proposed for listing as threatened or endangered, designated and proposed critical habitat, and species that are candidates for listing that may occur within the boundary of the area you have indicated using the U.S. Fish and Wildlife Service's (Service) Information Planning and Conservation System (IPaC). The species list fulfills the requirements under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.). Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the species list should be verified after 90 days. We recommend that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists following the same process you used to receive the enclosed list. Please include the Consultation Tracking Number in the header of this letter with any correspondence about the species list.

Due to staff shortages and excessive workload, we are unable to provide an official list more specific to your area. Numerous other sources of information are available for you to narrow the list to the habitats and conditions of the site in which you are interested. For example, we recommend conducting a biological site assessment or surveys for plants and animals that could help refine the list.

If a Federal agency is involved in the project, that agency has the responsibility to review its proposed activities and determine whether any listed species may be affected. If the project is a major construction project*, the Federal agency has the responsibility to prepare a biological assessment to make a determination of the effects of the action on the listed species or critical habitat. If the Federal agency determines that a listed species or critical habitat is likely to be adversely affected, it should request, in writing through our office, formal consultation pursuant to section 7 of the Act. Informal consultation may be used to exchange information and resolve conflicts with respect to threatened or endangered species or their critical habitat prior to a

written request for formal consultation. During this review process, the Federal agency may engage in planning efforts but may not make any irreversible commitment of resources. Such a commitment could constitute a violation of section 7(d) of the Act.

Federal agencies are required to confer with the Service, pursuant to section 7(a)(4) of the Act, when an agency action is likely to jeopardize the continued existence of any proposed species or result in the destruction or adverse modification of proposed critical habitat (50 CFR 402.10(a)). A request for formal conference must be in writing and should include the same information that would be provided for a request for formal consultation. Conferences can also include discussions between the Service and the Federal agency to identify and resolve potential conflicts between an action and proposed species or proposed critical habitat early in the decision-making process. The Service recommends ways to minimize or avoid adverse effects of the action. These recommendations are advisory because the jeopardy prohibition of section 7(a)(2) of the Act does not apply until the species is listed or the proposed critical habitat is designated. The conference process fulfills the need to inform Federal agencies of possible steps that an agency might take at an early stage to adjust its actions to avoid jeopardizing a proposed species.

When a proposed species or proposed critical habitat may be affected by an action, the lead Federal agency may elect to enter into formal conference with the Service even if the action is not likely to jeopardize or result in the destruction or adverse modification of proposed critical habitat. If the proposed species is listed or the proposed critical habitat is designated after completion of the conference, the Federal agency may ask the Service, in writing, to confirm the conference as a formal consultation. If the Service reviews the proposed action and finds that no significant changes in the action as planned or in the information used during the conference have occurred, the Service will confirm the conference as a formal consultation on the project and no further section 7 consultation will be necessary. Use of the formal conference process in this manner can prevent delays in the event the proposed species is listed or the proposed critical habitat is designated during project development or implementation.

Candidate species are those species presently under review by the Service for consideration for Federal listing. Candidate species should be considered in the planning process because they may become listed or proposed for listing prior to project completion. Preparation of a biological assessment, as described in section 7(c) of the Act, is not required for candidate species. If early evaluation of your project indicates that it is likely to affect a candidate species, you may wish to request technical assistance from this office.

Only listed species receive protection under the Act. However, sensitive species should be considered in the planning process in the event they become listed or proposed for listing prior to project completion. We recommend that you review information in the California Department of Fish and Wildlife's Natural Diversity Data Base. You can contact the California Department of Fish and Wildlife at (916) 324-3812 for information on other sensitive species that may occur in this area.

[*A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.]

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Ventura Fish And Wildlife Office

2493 Portola Road, Suite B

Ventura, CA 93003-7726

(805) 644-1766

Project Summary

Consultation Code: 08EVEN00-2019-SLI-0752

Event Code: 08EVEN00-2021-E-00129

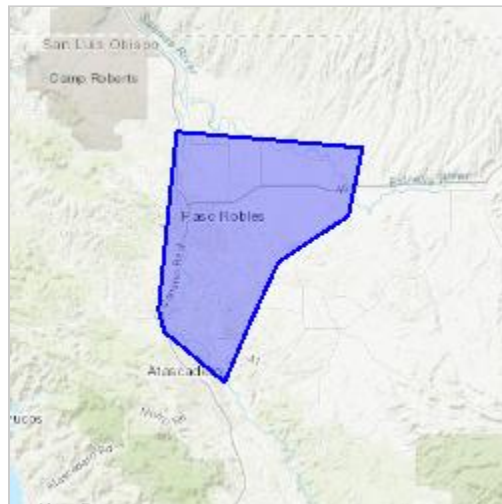
Project Name: Estrella Substation and Paso Robles Area Reinforcement Project

Project Type: TRANSMISSION LINE

Project Description: Electric transmission infrastructure upgrade.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/35.59582677868773N120.64578674311021W>



Counties: San Luis Obispo, CA

Endangered Species Act Species

There is a total of 17 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Giant Kangaroo Rat <i>Dipodomys ingens</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6051	Endangered
San Joaquin Kit Fox <i>Vulpes macrotis mutica</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2873	Endangered

Birds

NAME	STATUS
California Clapper Rail <i>Rallus longirostris obsoletus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4240	Endangered
California Condor <i>Gymnogyps californianus</i> Population: U.S.A. only, except where listed as an experimental population There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8193	Endangered
Least Bell's Vireo <i>Vireo bellii pusillus</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5945	Endangered
Southwestern Willow Flycatcher <i>Empidonax traillii extimus</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6749	Endangered

Reptiles

NAME	STATUS
Blunt-nosed Leopard Lizard <i>Gambelia silus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/625	Endangered

Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2891	Threatened
California Tiger Salamander <i>Ambystoma californiense</i> Population: U.S.A. (Central CA DPS) There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2076	Threatened

Insects

NAME	STATUS
Kern Primrose Sphinx Moth <i>Euproserpinus euterpe</i> There is proposed critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/7881	Threatened

Crustaceans

NAME	STATUS
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i> There is final critical habitat for this species. Your location overlaps the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/498	Threatened

Flowering Plants

NAME	STATUS
California Jewelflower <i>Caulanthus californicus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4599	Endangered
Chorro Creek Bog Thistle <i>Cirsium fontinale</i> var. <i>obispoense</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5991	Endangered
Marsh Sandwort <i>Arenaria paludicola</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2229	Endangered
Purple Amole <i>Chlorogalum purpureum</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5531	Threatened
Salt Marsh Bird's-beak <i>Cordylanthus maritimus</i> ssp. <i>maritimus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6447	Endangered
Spreading Navarretia <i>Navarretia fossalis</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1334	Threatened

Critical habitats

There is 1 critical habitat wholly or partially within your project area under this office's jurisdiction.

NAME	STATUS
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i> https://ecos.fws.gov/ecp/species/498#crithab	Final

CALIFORNIA DEPARTMENT OF
FISH and WILDLIFE *RareFind*

Query Summary:

Quad **IS** (Adelaida (3512067) **OR** Paso Robles (3512066) **OR** Estrella (3512065) **OR** York Mountain (3512057) **OR** Templeton (3512056) **OR** Creston (3512055) **OR** Morro Bay North (3512047) **OR** Atascadero (3512046) **OR** Santa Margarita (3512045))

Print

Close

CNDB Element Query Results

Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
<i>Abies bracteata</i>	bristlecone fir	Gymnosperms	PGPIN01030	80	1	None	None	G2G3	S2S3	1B.3	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, USFS_S-Sensitive	Broadleaved upland forest, Chaparral, Lower montane coniferous forest, Oldgrowth, Riparian woodland, Ultramafic
<i>Agelaius tricolor</i>	tricolored blackbird	Birds	ABPBXB0020	955	3	None	Threatened	G2G3	S1S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, NABC1_RWL-Red Watch List, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Swamp, Wetland
<i>Agrostis hooveri</i>	Hoover's bent grass	Monocots	PMPOA040M0	31	1	None	None	G2	S2	1B.2	BLM_S-Sensitive, USFS_S-Sensitive	Chaparral, Cismontane woodland, Closed-cone coniferous forest, Valley & foothill grassland
<i>Ammodramus savannarum</i>	grasshopper sparrow	Birds	ABPBXA0020	27	1	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Valley & foothill grassland
<i>Anniella pulchra</i>	Northern California legless lizard	Reptiles	ARACC01020	375	10	None	None	G3	S3	null	CDFW_SSC-Species of Special Concern, USFS_S-Sensitive	Chaparral, Coastal dunes, Coastal scrub
<i>Antirrhinum ovatum</i>	oval-leaved snapdragon	Dicots	PDSCR2K010	16	1	None	None	G3	S3	4.2	null	Chaparral, Cismontane woodland, Pinon & juniper woodlands, Valley & foothill grassland
<i>Antrozous pallidus</i>	pallid bat	Mammals	AMACC10010	420	2	None	None	G5	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority	Chaparral, Coastal scrub, Desert wash, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Riparian woodland, Sonoran desert scrub, Upper montane coniferous forest, Valley & foothill grassland
<i>Aquila chrysaetos</i>	golden eagle	Birds	ABNKC22010	323	2	None	None	G5	S3	null	BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, CDFW_WL-Watch List, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Broadleaved upland forest, Cismontane woodland, Coastal prairie, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Riparian woodland, Sonoran desert scrub, Upper montane coniferous forest, Pinon & juniper woodlands, Valley & foothill grassland

Arctostaphylos luciana	Santa Lucia manzanita	Dicots	PDERI040N0	10	1	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCSC-UC Santa Cruz, USFS_S-Sensitive	Chaparral, Cismontane woodland
Arctostaphylos pilosula	Santa Margarita manzanita	Dicots	PDERI042Z0	58	4	None	None	G2?	S2?	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Broadleaved upland forest, Chaparral, Cismontane woodland, Closed-cone coniferous forest
Ardea herodias	great blue heron	Birds	ABNGA04010	156	1	None	None	G5	S4	null	CDF_S-Sensitive, IUCN_LC-Least Concern	Brackish marsh, Estuary, Freshwater marsh, Marsh & swamp, Riparian forest, Wetland
Astragalus didymocarpus var. milesianus	Miles' milk-vetch	Dicots	PDFAB0F2X3	16	3	None	None	G5T2	S2	1B.2	null	Coastal scrub
Atractelmis wawona	Wawona riffle beetle	Insects	IICOL58010	80	1	None	None	G3	S1S2	null	null	Aquatic
Batrachoseps minor	lesser slender salamander	Amphibians	AAAAD02170	8	7	None	None	G1	S1	null	CDFW_SSC-Species of Special Concern, IUCN_DD-Data Deficient, USFS_S-Sensitive	Broadleaved upland forest
Bombus caliginosus	obscure bumble bee	Insects	IIHYM24380	181	1	None	None	G4?	S1S2	null	IUCN_VU-Vulnerable	null
Bombus crotchii	Crotch bumble bee	Insects	IIHYM24480	312	3	None	Candidate Endangered	G3G4	S1S2	null	null	null
Branchinecta lynchi	vernal pool fairy shrimp	Crustaceans	ICBRA03030	791	6	Threatened	None	G3	S3	null	IUCN_VU-Vulnerable	Valley & foothill grassland, Vernal pool, Wetland
Buteo regalis	ferruginous hawk	Birds	ABNKC19120	107	1	None	None	G4	S3S4	null	CDFW_WL-Watch List, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Great Basin grassland, Great Basin scrub, Pinon & juniper woodlands, Valley & foothill grassland
Calochortus obispoensis	San Luis mariposa-lily	Monocots	PMLIL0D110	46	3	None	None	G2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Chaparral, Cismontane woodland, Coastal scrub, Ultramafic, Valley & foothill grassland
Calochortus simulans	La Panza mariposa-lily	Monocots	PMLIL0D170	105	14	None	None	G2	S2	1B.3	SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley & foothill grassland
Calycadenia villosa	dwarf calycadenia	Dicots	PDAST1P0B0	59	4	None	None	G3	S3	1B.1	SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Chaparral, Cismontane woodland, Meadow & seep, Valley & foothill grassland
Camissoniopsis hardhamiae	Hardham's evening-primrose	Dicots	PDONA030N0	22	7	None	None	G2	S2	1B.2	BLM_S-Sensitive, USFS_S-Sensitive	Chaparral, Cismontane woodland, Limestone
Carex obispoensis	San Luis Obispo sedge	Monocots	PMCYP039J0	29	3	None	None	G3?	S3?	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Chaparral, Closed-cone coniferous forest, Coastal prairie, Coastal scrub, Ultramafic, Valley & foothill grassland

Castilleja densiflora var. obispoensis	San Luis Obispo owl's-clover	Dicots	PDSCR0D453	69	7	None	None	G5T2	S2	1B.2	null	Meadow & seep, Ultramafic, Valley & foothill grassland
Caulanthus lemmonii	Lemmon's jewelflower	Dicots	PDBRA0M0E0	91	4	None	None	G3	S3	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Pinon & juniper woodlands, Valley & foothill grassland
Charadrius alexandrinus nivosus	western snowy plover	Birds	ABNNB03031	138	2	Threatened	None	G3T3	S2S3	null	CDFW_SSC-Species of Special Concern, NABCI_RWL-Red Watch List, USFWS_BCC-Birds of Conservation Concern	Great Basin standing waters, Sand shore, Wetland
Chorizanthe breweri	Brewer's spineflower	Dicots	PDPGN04050	45	7	None	None	G3	S3	1B.3	BLM_S-Sensitive, USFS_S-Sensitive	Chaparral, Cismontane woodland, Closed-cone coniferous forest, Coastal scrub, Ultramafic
Chorizanthe rectispina	straight-awned spineflower	Dicots	PDPGN040N0	38	10	None	None	G2	S2	1B.3	BLM_S-Sensitive, USFS_S-Sensitive	Chaparral, Cismontane woodland, Coastal scrub
Cicindela hirticollis gravida	sandy beach tiger beetle	Insects	IICOL02101	34	2	None	None	G5T2	S2	null	null	Coastal dunes
Cirsium fontinale var. obispoense	Chorro Creek bog thistle	Dicots	PDAST2E162	22	1	Endangered	Endangered	G2T2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden	Chaparral, Cismontane woodland, Coastal scrub, Ultramafic, Valley & foothill grassland
Cirsium occidentale var. lucianum	Cuesta Ridge thistle	Dicots	PDAST2E1Z6	7	1	None	None	G3G4T2	S2	1B.2	null	Chaparral, Ultramafic
Coelus globosus	globose dune beetle	Insects	IICOL4A010	50	2	None	None	G1G2	S1S2	null	IUCN_VU-Vulnerable	Coastal dunes
Corynorhinus townsendii	Townsend's big-eared bat	Mammals	AMACC08010	635	1	None	None	G3G4	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority	Broadleaved upland forest, Chaparral, Chenopod scrub, Great Basin grassland, Great Basin scrub, Joshua tree woodland, Lower montane coniferous forest, Meadow & seep, Mojavean desert scrub, Riparian forest, Riparian woodland, Sonoran desert scrub, Sonoran thorn woodland, Upper montane coniferous forest, Valley & foothill grassland
Danaus plexippus pop. 1	monarch - California overwintering population	Insects	IILEPP2012	383	2	None	None	G4T2T3	S2S3	null	USFS_S-Sensitive	Closed-cone coniferous forest
Delphinium parryi ssp. blochmaniae	dune larkspur	Dicots	PDRAN0B1B1	27	1	None	None	G4T2	S2	1B.2	null	Chaparral, Coastal dunes
Delphinium parryi ssp. eastwoodiae	Eastwood's larkspur	Dicots	PDRAN0B1B2	15	2	None	None	G4T2	S2	1B.2	null	Chaparral, Ultramafic, Valley & foothill grassland
Delphinium umbracolorum	umbrella larkspur	Dicots	PDRAN0B1W0	95	3	None	None	G3	S3	1B.3	BLM_S-Sensitive, USFS_S-Sensitive	Chaparral, Cismontane woodland
Dudleya abramsii ssp. bettinae	Betty's dudleya	Dicots	PDCRA04011	14	7	None	None	G4T2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Chaparral, Coastal scrub, Ultramafic, Valley & foothill grassland

Dudleya abramsii ssp. murina	mouse-gray dudleya	Dicots	PDCRA04012	36	3	None	None	G4T2	S2	1B.3	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Chaparral, Cismontane woodland, Ultramafic, Valley & foothill grassland
Dudleya blochmaniae ssp. blochmaniae	Blochman's dudleya	Dicots	PDCRA04051	81	8	None	None	G3T2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Chaparral, Coastal bluff scrub, Coastal scrub, Ultramafic, Valley & foothill grassland
Elanus leucurus	white-tailed kite	Birds	ABNKC06010	180	2	None	None	G5	S3S4	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern	Cismontane woodland, Marsh & swamp, Riparian woodland, Valley & foothill grassland, Wetland
Emys marmorata	western pond turtle	Reptiles	ARAAD02030	1398	27	None	None	G3G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive	Aquatic, Artificial flowing waters, Klamath/North coast flowing waters, Klamath/North coast standing waters, Marsh & swamp, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, Wetland
Eriastrum luteum	yellow-flowered eriastrum	Dicots	PDPLM03080	34	12	None	None	G2	S2	1B.2	BLM_S-Sensitive, USFS_S-Sensitive	Broadleaved upland forest, Chaparral, Cismontane woodland
Erigeron blochmaniae	Blochman's leafy daisy	Dicots	PDAST3M5J0	36	1	None	None	G2	S2	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden	Coastal dunes, Coastal scrub
Eucyclogobius newberryi	tidewater goby	Fish	AFCQN04010	127	1	Endangered	None	G3	S3	null	AFS_EN-Endangered, IUCN_VU-Vulnerable	Aquatic, Klamath/North coast flowing waters, Sacramento/San Joaquin flowing waters, South coast flowing waters
Extriplex joaquinana	San Joaquin spearscale	Dicots	PDCHE041F3	127	1	None	None	G2	S2	1B.2	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Alkali playa, Chenopod scrub, Meadow & seep, Valley & foothill grassland
Fritillaria ojaiensis	Ojai fritillary	Monocots	PMLILOV0N0	49	1	None	None	G3	S3	1B.2	SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Broadleaved upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Ultramafic
Fritillaria viridea	San Benito fritillary	Monocots	PMLILOV0L0	24	1	None	None	G2	S2	1B.2	BLM_S-Sensitive, USFS_S-Sensitive	Chaparral, Cismontane woodland, Ultramafic
Helminthoglypta walkeriana	Morro shoulderband (=banded dune) snail	Mollusks	IMGASC2510	14	1	Endangered	None	G1	S1S2	null	IUCN_CR-Critically Endangered	Coastal dunes, Coastal scrub
Horkelia cuneata var. puberula	mesa horkelia	Dicots	PDROS0W045	103	3	None	None	G4T1	S1	1B.1	USFS_S-Sensitive	Chaparral, Cismontane woodland, Coastal scrub
Horkelia cuneata var. sericea	Kellogg's horkelia	Dicots	PDROS0W043	58	3	None	None	G4T1?	S1?	1B.1	SB_UCSC-UC Santa Cruz, USFS_S-Sensitive	Chaparral, Closed-cone coniferous forest, Coastal dunes, Coastal scrub
Juncus luciensis	Santa Lucia dwarf rush	Monocots	PMJUN013J0	37	3	None	None	G3	S3	1B.2	BLM_S-Sensitive, USFS_S-Sensitive	Chaparral, Great Basin scrub, Lower montane coniferous forest, Meadow & seep, Vernal pool, Wetland
Layia jonesii	Jones' layia	Dicots	PDAST5N090	25	8	None	None	G2	S2	1B.2	USFS_S-Sensitive	Chaparral, Ultramafic, Valley & foothill grassland
Lepidium jaredii ssp. jaredii	Jared's pepper-grass	Dicots	PDBRA1M0G1	12	1	None	None	G2G3T1T2	S1S2	1B.2	BLM_S-Sensitive, SB_SBBG-Santa Barbara Botanic Garden	Valley & foothill grassland

Linderiella occidentalis	California linderiella	Crustaceans	ICBRA06010	508	5	None	None	G2G3	S2S3	null	IUCN_NT-Near Threatened	Vernal pool
Malacothamnus palmeri var. palmeri	Santa Lucia bush-mallow	Dicots	PDMAL0Q0B5	10	2	None	None	G3T2Q	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Chaparral
Meconella oregana	Oregon meconella	Dicots	PDPAP0G030	9	1	None	None	G2G3	S2	1B.1	null	Coastal prairie, Coastal scrub
Monardella palmeri	Palmer's monardella	Dicots	PDLAM180H0	24	2	None	None	G2	S2	1B.2	BLM_S-Sensitive, USFS_S-Sensitive	Chaparral, Cismontane woodland, Ultramafic
Monolopia gracilens	woodland woollythreads	Dicots	PDAST6G010	68	1	None	None	G3	S3	1B.2	null	Broadleaved upland forest, Chaparral, Cismontane woodland, North coast coniferous forest, Ultramafic, Valley & foothill grassland
Navarretia fossalis	spreading navarretia	Dicots	PDPLM0C080	78	1	Threatened	None	G2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Alkali playa, Chenopod scrub, Marsh & swamp, Vernal pool, Wetland
Navarretia nigelliformis ssp. radians	shining navarretia	Dicots	PDPLM0C0J2	102	12	None	None	G4T2	S2	1B.2	BLM_S-Sensitive	Cismontane woodland, Valley & foothill grassland, Vernal pool, Wetland
Neotoma macrotis luciana	Monterey dusky-footed woodrat	Mammals	AMAFF08083	8	3	None	None	G5T3	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_DD-Data Deficient	Broadleaved upland forest, Chaparral
Northern Interior Cypress Forest	Northern Interior Cypress Forest	Forest	CTT83220CA	22	1	None	None	G2	S2.2	null	null	Closed-cone coniferous forest
Oncorhynchus mykiss irideus pop. 9	steelhead - south-central California coast DPS	Fish	AFCHA0209H	41	3	Threatened	None	G5T2Q	S2	null	AFS_TH-Threatened	Aquatic, Sacramento/San Joaquin flowing waters, South coast flowing waters
Perognathus inornatus psammophilus	Salinas pocket mouse	Mammals	AMAFD01062	9	3	None	None	G4T2?	S1	null	CDFW_SSC-Species of Special Concern	Valley & foothill grassland
Phrynosoma blainvillii	coast horned lizard	Reptiles	ARACF12100	784	1	None	None	G3G4	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Chaparral, Cismontane woodland, Coastal bluff scrub, Coastal scrub, Desert wash, Pinon & juniper woodlands, Riparian scrub, Riparian woodland, Valley & foothill grassland
Plagiobothrys uncinatus	hooked popcornflower	Dicots	PDBOR0V170	14	1	None	None	G2	S2	1B.2	USFS_S-Sensitive	Chaparral, Cismontane woodland, Valley & foothill grassland
Plebejus icarioides moroensis	Morro Bay blue butterfly	Insects	IILEPG801B	12	2	None	None	G5T2	S2	null	null	Coastal dunes
Polyphylla nubila	Atascadero June beetle	Insects	IICOL68040	4	3	None	None	G1	S1	null	null	Interior dunes

Progne subis	purple martin	Birds	ABPAU01010	71	1	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Broadleaved upland forest, Lower montane coniferous forest
Pyrgulopsis taylori	San Luis Obispo pyrg	Mollusks	IMGASJ0A50	5	1	None	None	G1	S1	null	null	null
Rana boylei	foothill yellow-legged frog	Amphibians	AAABH01050	2468	1	None	Endangered	G3	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened, USFS_S-Sensitive	Aquatic, Chaparral, Cismontane woodland, Coastal scrub, Klamath/North coast flowing waters, Lower montane coniferous forest, Meadow & seep, Riparian forest, Riparian woodland, Sacramento/San Joaquin flowing waters
Rana draytonii	California red-legged frog	Amphibians	AAABH01022	1577	21	Threatened	None	G2G3	S2S3	null	CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable	Aquatic, Artificial flowing waters, Artificial standing waters, Freshwater marsh, Marsh & swamp, Riparian forest, Riparian scrub, Riparian woodland, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, Wetland
Senecio aphanactis	chaparral ragwort	Dicots	PDAST8H060	98	1	None	None	G3	S2	2B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Chaparral, Cismontane woodland, Coastal scrub
Sidalcea hickmanii ssp. anomala	Cuesta Pass checkerbloom	Dicots	PDMAL110A1	4	1	None	Rare	G3T1	S1	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Chaparral, Closed-cone coniferous forest, Ultramafic
Spea hammondi	western spadefoot	Amphibians	AAABF02020	1409	21	None	None	G3	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened	Cismontane woodland, Coastal scrub, Valley & foothill grassland, Vernal pool, Wetland
Streptanthus albidus ssp. peramoenus	most beautiful jewelflower	Dicots	PDBRA2G012	103	2	None	None	G2T2	S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley, USFS_S-Sensitive	Chaparral, Cismontane woodland, Ultramafic, Valley & foothill grassland
Suaeda californica	California seablite	Dicots	PDCHE0P020	18	1	Endangered	None	G1	S1	1B.1	null	Freshwater marsh, Marsh & swamp, Wetland
Taricha torosa	Coast Range newt	Amphibians	AAAAF02032	88	9	None	None	G4	S4	null	CDFW_SSC-Species of Special Concern	null
Taxidea taxus	American badger	Mammals	AMAJF04010	594	16	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Alkali marsh, Alkali playa, Alpine, Alpine dwarf scrub, Bog & fen, Brackish marsh, Broadleaved upland forest, Chaparral, Chenopod scrub, Cismontane woodland, Closed-cone coniferous forest, Coastal bluff scrub, Coastal dunes, Coastal prairie, Coastal scrub, Desert dunes, Desert wash, Freshwater marsh, Great Basin grassland, Great Basin scrub, Interior dunes, lone formation, Joshua

												tree woodland, Limestone, Lower montane coniferous forest, Marsh & swamp, Meadow & seep, Mojavean desert scrub, Montane dwarf scrub, North coast coniferous forest, Oldgrowth, Pavement plain, Redwood, Riparian forest, Riparian scrub, Riparian woodland, Salt marsh, Sonoran desert scrub, Sonoran thorn woodland, Ultramafic, Upper montane coniferous forest, Upper Sonoran scrub, Valley & foothill grassland
Trimerotropis occulens	Lompoc grasshopper	Insects	IIORT36310	8	1	None	None	G1G2	S1S2	null	IUCN_EN-Endangered	null
Valley Oak Woodland	Valley Oak Woodland	Woodland	CTT71130CA	91	6	None	None	G3	S2.1	null	null	Cismontane woodland
Vireo bellii pusillus	least Bell's vireo	Birds	ABPBW01114	503	2	Endangered	Endangered	G5T2	S2	null	IUCN_NT-Near Threatened, NABCI_YWL-Yellow Watch List	Riparian forest, Riparian scrub, Riparian woodland
Vulpes macrotis mutica	San Joaquin kit fox	Mammals	AMAJA03041	1018	17	Endangered	Threatened	G4T2	S2	null	null	Chenopod scrub, Valley & foothill grassland

*The database used to provide updates to the Online Inventory is under construction. [View updates and changes made since May 2019 here.](#)

Plant List

61 matches found. [Click on scientific name for details](#)

Search Criteria

Found in Quads 3512067, 3512066, 3512065, 3512055, 3512047, 3512046, 3512045 3512056 and 3512057;

[Modify Search Criteria](#)
[Export to Excel](#)
[Modify Columns](#)
[Modify Sort](#)
[Display Photos](#)

Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
Abies bracteata	bristlecone fir	Pinaceae	perennial evergreen tree		1B.3	S2S3	G2G3
Abronia maritima	red sand-verbena	Nyctaginaceae	perennial herb	Feb-Nov	4.2	S3?	G4
Agrostis hooveri	Hoover's bent grass	Poaceae	perennial herb	Apr-Jul	1B.2	S2	G2
Amsinckia douglasiana	Douglas' fiddleneck	Boraginaceae	annual herb	Mar-May	4.2	S4	G4
Antirrhinum ovatum	oval-leaved snapdragon	Plantaginaceae	annual herb	May-Nov	4.2	S3	G3
Arctostaphylos luciana	Santa Lucia manzanita	Ericaceae	perennial evergreen shrub	Dec-Mar	1B.2	S2	G2
Arctostaphylos obispoensis	Bishop manzanita	Ericaceae	perennial evergreen shrub	Feb-Jun	4.3	S3	G3
Arctostaphylos pilosula	Santa Margarita manzanita	Ericaceae	perennial evergreen shrub	Dec-May	1B.2	S2?	G2?
Astragalus didymocarpus var. milesianus	Miles' milk-vetch	Fabaceae	annual herb	Mar-Jun	1B.2	S2	G5T2
Astragalus macrodon	Salinas milk-vetch	Fabaceae	perennial herb	Apr-Jul	4.3	S4	G4

Calochortus obispoensis	San Luis mariposa lily	Liliaceae	perennial bulbiferous herb	May-Jul	1B.2	S2	G2
Calochortus simulans	La Panza mariposa lily	Liliaceae	perennial bulbiferous herb	Apr-Jun	1B.3	S2	G2
Calycadenia villosa	dwarf calycadenia	Asteraceae	annual herb	May-Oct	1B.1	S3	G3
Calystegia subacaulis ssp. episcopalis	Cambria morning-glory	Convolvulaceae	perennial rhizomatous herb	(Mar)Apr-Jun(Jul)	4.2	S2?	G3T2?
Camissoniopsis hardhamiae	Hardham's evening-primrose	Onagraceae	annual herb	Mar-May	1B.2	S2	G2
Carex obispoensis	San Luis Obispo sedge	Cyperaceae	perennial herb	Apr-Jun	1B.2	S3?	G3?
Castilleja densiflora var. obispoensis	San Luis Obispo owl's-clover	Orobanchaceae	annual herb (hemiparasitic)	Mar-May	1B.2	S2	G5T2
Caulanthus lemmonii	Lemmon's jewelflower	Brassicaceae	annual herb	Feb-May	1B.2	S3	G3
Ceanothus cuneatus var. fascicularis	Lompoc ceanothus	Rhamnaceae	perennial evergreen shrub	Feb-Apr	4.2	S4	G5T4
Chorizanthe breweri	Brewer's spineflower	Polygonaceae	annual herb	Apr-Aug	1B.3	S3	G3
Chorizanthe douglasii	Douglas' spineflower	Polygonaceae	annual herb	Apr-Jul	4.3	S4	G4
Chorizanthe palmeri	Palmer's spineflower	Polygonaceae	annual herb	Apr-Aug	4.2	S4	G4
Chorizanthe rectispina	straight-awned spineflower	Polygonaceae	annual herb	Apr-Jul	1B.3	S2	G2
Cirsium fontinale var. obispoense	San Luis Obispo fountain thistle	Asteraceae	perennial herb	Feb-Jul(Aug-Sep)	1B.2	S2	G2T2
Cirsium occidentale var. lucianum	Cuesta Ridge thistle	Asteraceae	perennial herb	Apr-Jun	1B.2	S2	G3G4T2
Clarkia exilis	slender clarkia	Onagraceae	annual herb	Apr-May	4.3	S3	G3
Convolvulus simulans	small-flowered morning-glory	Convolvulaceae	annual herb	Mar-Jul	4.2	S4	G4
Deinandra paniculata	paniculate tarplant	Asteraceae	annual herb	(Mar)Apr-Nov(Dec)	4.2	S4	G4
Delphinium gypsophilum ssp. parviflorum	small-flowered gypsum-loving larkspur	Ranunculaceae	perennial herb	(Mar)Apr-Jun	3.2	S2S3	G4T2T3Q
Delphinium parryi ssp. blochmaniae	dune larkspur	Ranunculaceae	perennial herb	Apr-Jun	1B.2	S2	G4T2
Delphinium parryi ssp. eastwoodiae	Eastwood's larkspur	Ranunculaceae	perennial herb	(Feb)Mar-Mar	1B.2	S2	G4T2
Delphinium umbracolorum	umbrella larkspur	Ranunculaceae	perennial herb	Apr-Jun	1B.3	S3	G3
Dudleya abramsii ssp. bettinae	Betty's dudleya	Crassulaceae	perennial herb	May-Jul	1B.2	S2	G4T2
Dudleya abramsii ssp. murina	mouse-gray dudleya	Crassulaceae	perennial leaf succulent	May-Jun	1B.3	S2	G4T2
Dudleya blochmaniae ssp. blochmaniae	Blochman's dudleya	Crassulaceae	perennial herb	Apr-Jun	1B.1	S2	G3T2

Eleocharis parvula	small spikerush	Cyperaceae	perennial herb	(Apr)Jun-Aug(Sep)	4.3	S3	G5
Eriastrum luteum	yellow-flowered eriastrum	Polemoniaceae	annual herb	May-Jun	1B.2	S2	G2
Erigeron blochmaniae	Blochman's leafy daisy	Asteraceae	perennial rhizomatous herb	Jun-Aug	1B.2	S2	G2
Fritillaria ojaiensis	Ojai fritillary	Liliaceae	perennial bulbiferous herb	Feb-May	1B.2	S3	G3
Fritillaria viridea	San Benito fritillary	Liliaceae	perennial bulbiferous herb	Mar-May	1B.2	S2	G2
Hesperevax caulescens	hogwallow starfish	Asteraceae	annual herb	Mar-Jun	4.2	S3	G3
Horkelia cuneata var. puberula	mesa horkelia	Rosaceae	perennial herb	Feb-Jul(Sep)	1B.1	S1	G4T1
Horkelia cuneata var. sericea	Kellogg's horkelia	Rosaceae	perennial herb	Apr-Sep	1B.1	S1?	G4T1?
Juncus luciensis	Santa Lucia dwarf rush	Juncaceae	annual herb	Apr-Jul	1B.2	S3	G3
Layia jonesii	Jones' layia	Asteraceae	annual herb	Mar-May	1B.2	S2	G2
Lepidium jaredii ssp. jaredii	Jared's pepper-grass	Brassicaceae	annual herb	Mar-May	1B.2	S1S2	G2G3T1T2
Malacothamnus jonesii	Jones' bush-mallow	Malvaceae	perennial deciduous shrub	(Mar)Apr-Oct	4.3	S4	G4
Malacothamnus palmeri var. involucratus	Carmel Valley bush-mallow	Malvaceae	perennial deciduous shrub	Apr-Oct	1B.2	S2	G3T2Q
Malacothamnus palmeri var. palmeri	Santa Lucia bush-mallow	Malvaceae	perennial deciduous shrub	May-Jul	1B.2	S2	G3T2Q
Meconella oregana	Oregon meconella	Papaveraceae	annual herb	Mar-Apr	1B.1	S2	G2G3
Monardella palmeri	Palmer's monardella	Lamiaceae	perennial rhizomatous herb	Jun-Aug	1B.2	S2	G2
Monolopia gracilens	woodland woollythreads	Asteraceae	annual herb	(Feb)Mar-Jul	1B.2	S3	G3
Navarretia fossalis	spreading navarretia	Polemoniaceae	annual herb	Apr-Jun	1B.1	S2	G2
Navarretia nigelliformis ssp. radians	shining navarretia	Polemoniaceae	annual herb	(Mar)Apr-Jul	1B.2	S2	G4T2
Nemacladus secundiflorus var. secundiflorus	large-flowered nemacladus	Campanulaceae	annual herb	Apr-Jun	4.3	S3?	G3T3?
Plagiobothrys uncinatus	hooked popcornflower	Boraginaceae	annual herb	Apr-May	1B.2	S2	G2
Senecio aphanactis	chaparral ragwort	Asteraceae	annual herb	Jan-Apr(May)	2B.2	S2	G3
Senecio astephanus	San Gabriel ragwort	Asteraceae	perennial herb	May-Jul	4.3	S3	G3
Sidalcea hickmanii ssp. anomala	Cuesta Pass checkerbloom	Malvaceae	perennial herb	May-Jun	1B.2	S1	G3T1

Streptanthus albidus ssp. peramoenus	most beautiful jewelflower	Brassicaceae	annual herb	(Mar)Apr-Sep(Oct)	1B.2	S2	G2T2
Suaeda californica	California seablite	Chenopodiaceae	perennial evergreen shrub	Jul-Oct	1B.1	S1	G1

Suggested Citation

California Native Plant Society, Rare Plant Program. 2020. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website <http://www.rareplants.cnps.org> [accessed 18 November 2020].

Search the Inventory[Simple Search](#)[Advanced Search](#)[Glossary](#)**Information**[About the Inventory](#)[About the Rare Plant Program](#)[CNPS Home Page](#)[About CNPS](#)[Join CNPS](#)**Contributors**[The Calflora Database](#)[The California Lichen Society](#)[California Natural Diversity Database](#)[The Jepson Flora Project](#)[The Consortium of California Herbaria](#)[CalPhotos](#)**Questions and Comments**rareplants@cnps.org

This page intentionally left blank.

Table D-1. Sensitive Plant and Animal Species Considered but Not Expected to Occur in the Proposed Project, Reasonably Foreseeable Distribution Components, and Alternatives Vicinity

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Plants			
Bristlecone fir <i>Abies bracteata</i>	--/--/1B.3	Perennial evergreen tree. Occurs on steep, rocky, fire-resistant slopes, generally in canyon-live-oak phase of mixed-evergreen forest. Elevation: 210-1600 meters above mean sea level (amsl).	None. Suitable mixed-evergreen forest is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. No CNDDDB records exist within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Santa Lucia manzanita <i>Arctostaphylos luciana</i>	--/--/1B.2	Perennial evergreen shrub found on shale soils. Blooming period: Dec-Mar. Elevation: 350-850 meters amsl.	Not expected. Blue oak woodlands and chaparral on shale soil may provide habitat for this species; however, the species was not observed in the Proposed Project and alternative areas during surveys conducted in the appropriate season. There are no CNDDDB records within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Marsh sandwort <i>Arenaria paludicola</i>	FE/SE/1B.2	Perennial stoloniferous herb with a shiny, angled or grooved stem and white flower. Occurs in wet meadows and marshes. Blooming period: May-Aug. Elevation: 3-170 meters amsl.	None. Suitable wet meadows and marshes are absent from the Proposed Project, reasonably foreseeable distribution components, and alternative areas. No CNDDDB records exist within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Indian Valley spineflower <i>Aristocapsa insignis</i>	--/--/1B.2	Annual herb with a white/pink or rose-colored flower. Occurs in sand. Blooming period: May-Sep. Elevation: 300-600 meters amsl.	None. Suitable cismontane woodland and sand are absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. No CNDDDB records exist within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
San Luis mariposa lily <i>Calochortus obispoensis</i>	--/--/1B.2	Perennial bulbiferous herb found on serpentine soils. Blooming period: May-Jul. Elevation: 50-730 meters amsl.	Not expected. Suitable serpentine soils are absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted during the appropriate season. No CNDDDB records exist within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Santa Cruz Mountains pussypaws <i>Calyptidium parryi</i> var. <i>hesseae</i>	--/--/1B.1	Annual herb. Occurs in sandy or gravelly soils in vegetation openings. Blooming period: May-Aug. Elevation: 305-1530 meters amsl.	Not Expected. Blue oak woodlands may provide habitat; however, the Proposed Project, reasonably foreseeable distribution components, and alternatives areas appear to be out the range of this species. The species was not observed in the Proposed Project or alternatives areas during surveys conducted in the appropriate season, with the exception of the Creston and Estrella routes for which surveys were conducted outside of the blooming period. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
San Luis Obispo sedge <i>Carex obispoensis</i>	--/--/1B.2	Perennial herb found at serpentine seeps in clay or sometimes on gabbroic soils. Blooming period: Apr-Jun. Elevation: 10-820 meters amsl.	Not expected. Suitable serpentine soils are absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted during the appropriate season. There is one CNDDDB record (from a serpentine area southwest of Atascadero) within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Santa Lucia purple amole <i>Chlorogalum purpureum</i> var. <i>purpureum</i>	FE/--/1B.1	Perennial bulbiferous herb. Occurs in gravelly and clay soils in open woodland. Blooming period: Apr-Jun. Elevation: 205-385 meters amsl.	Not Expected. Gravelly and clay soils are largely absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Brewer's spineflower <i>Chorizanthe breweri</i>	--/--/1B.3	Annual herb found in serpentine soils in rocky or gravelly substrate. Blooms Apr-Aug. Elevation: 45-800 meters amsl.	None. Suitable serpentine substrate is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternative areas during surveys conducted in the appropriate season. Three CNDDDB occurrences (from serpentine outcrops southwest of Atascadero) are known within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Chorro Creek bog thistle <i>Cirsium fontinale</i> var. <i>obispoense</i>	FE/SE/1B.2	Perennial herb with nodding dark purple inflorescence. Occurs in serpentine seeps and streams. Blooming period: Feb-Sep. Elevation: 35-385 meters amsl.	None. Suitable serpentine seeps and streams are absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternative areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Cuesta Ridge thistle <i>Cirsium occidentale</i> var. <i>lucianum</i>	--/--/1B.2	Perennial herb found on serpentine soils, often on rocky slopes and disturbed roadsides. Blooms Apr-Jun. Elevation: 500-700 meters amsl.	None. Suitable serpentine substrate is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. One CNDDDB occurrence (from a serpentine outcrop southwest of Atascadero) is known within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
salt marsh bird's-beak <i>Cordylanthus maritimus</i> ssp. <i>maritimus</i> (=Chloropyron <i>maritimum</i> ssp. <i>maritimum</i>)	FE/SE/1B.1	Annual hemiparasitic (photosynthetic plant that consumes nutrients from host plant) found in salt marshes. Blooms May-Oct. Elevation 0-30 meters amsl.	None. Suitable salt marsh habitat is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in appropriate season. No CNDDDB occurrences are known within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
dune larkspur <i>Delphinium parryi</i> ssp. <i>blochmaniae</i>	--/--/1B.2	Perennial herb that occurs on dunes and maritime chaparral. Blooms Apr-Jun. Elevation: 0-200 meters amsl.	None. Suitable dune and maritime chaparral habitat are absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternative areas during surveys conducted in appropriate season. No CNDDDB occurrences are known within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Eastwood's larkspur <i>Delphinium parryi</i> ssp. <i>eastwoodiae</i>	--/--/1B.2	Perennial herb. Occurs in coastal chaparral, grassland, on serpentine soils. Blooming period: Mar-May. Elevation: 75-500 meters amsl.	None. Suitable serpentine soils are absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternative areas during surveys conducted in appropriate season. One CNDDDB occurrence (from an observation near Atascadero) has been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
umbrella larkspur <i>Delphinium umbracolorum</i>	--/--/1B.3	Perennial herb with a purple flower. Occurs in moist oak forests. Blooming period: Apr-Jun. Elevation: 400-1,600 meters amsl.	Not Expected. Oak woodlands may provide habitat for this species, but habitat is not optimal (moist forest). The species was not observed in the Proposed Project and alternatives areas during surveys conducted in appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Betty's dudleya <i>Dudleya abramsii</i> <i>ssp. bettinae</i>	--/--/1B.2	Perennial succulent herb found on serpentine, rocky soils. Blooms May-Jul. Elevation: 20-180 meters amsl.	None. Suitable serpentine substrate is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
mouse-gray dudleya <i>Dudleya abramsii</i> <i>ssp. murina</i>	--/--/1B.3	Perennial succulent herb found on serpentine soils. Blooms May-Jun. Elevation: 90-525 meters amsl.	None. Suitable serpentine substrate is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Blochman's dudleya <i>Dudleya blochmaniae</i> <i>ssp. blochmaniae</i>	--/--/1B.1	Perennial herb found on rocky, clay, and serpentine soils. Blooms Apr-Jun. Elevation: 5-450 meters amsl.	None. Suitable serpentine substrate is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Koch's cord moss <i>Entosthodon kockhii</i>	--/--/1B.3	Moss with small capsules and small pores that grows on riverbanks on newly exposed soils. Elevation: 180-1,000 meters amsl. Associated with cismontane woodlands.	None. Suitable riverbank soil is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas, as footprints will generally avoid disturbance of drainages. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Blochman's leafy daisy <i>Erigeron blochmaniae</i>	--/--/1B.2	Perennial rhizomatous herb found on Dunes and coastal scrub. Blooms Jun-Aug. Elevation: 3-45 meters amsl.	None. Suitable dune and coastal is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
San Joaquin spearscale <i>Extriplex joaquinana</i>	--/--/1B.2	Annual herb that occurs in seasonal alkali wetlands or alkali sink scrub with saltgrass (<i>Distichlis spicata</i>), alkali heath (<i>Frankenia</i>), and others. Blooms Apr-Oct. Elevation: 1-835 meters amsl.	Not expected. Suitable wetlands are present in the Proposed Project, reasonably foreseeable distribution components, and alternatives vicinity. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
San Benito fritillary <i>Fritillaria viridea</i>	--/--/1B.2	Perennial bulbiferous herb found on serpentine soils on slopes, and sometimes on streambanks, rocky soils, and roadsides. Blooms Mar-May. Elevation: 200-1,525 meters amsl.	None. Suitable serpentine soil is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
mesa horkelia <i>Horkelia cuneata</i> var. <i>puberula</i>	--/--/1B.1	Perennial herb with individually arranged white flowers. Occurs in dry, sandy to gravelly soil in coastal chaparral habitats. Blooming period: Feb-Jul. Elevation: 70-810 meters amsl.	None. Suitable coastal chaparral habitat is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. There are 2 CNDDDB occurrences (near Templeton and north of Atascadero) that have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Kellogg's horkelia <i>Horkelia cuneata</i> var. <i>sericea</i>	--/--/1B.1	Perennial herb with a white flower. Occurs on old dunes and coastal sandy soils. Blooming period: Apr-Sep. Elevation: 10-200 meters amsl.	None. Suitable coastal dunes and coastal sandhills are absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. There is 1 CNDDDB occurrence (near San Miguel) recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Jones' layia <i>Layia jonesii</i>	--/--/1B.2	Annual herb found on clay or serpentine soils. Blooms Mar-May. Elevation: 5-400 meters amsl.	Not expected. Serpentine soils are absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas, although clay soils in grassland may provide ostensibly suitable habitat. However, the species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Davidson's bushmallow <i>Malacothamnus davidsonii</i>	--/--/1B.2	Annual herb with a pale pink/white flower. Occurs in riparian areas and also on slopes and washes. Blooming period: Jun-Jan. Elevation: 185-1,140 meters amsl.	None. Suitable riparian woodland habitat is absent from the Proposed Project, reasonably foreseeable distribution components, and alternative areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Carmel Valley bushmallow <i>Malacothamnus palmeri</i> var. <i>involucratus</i>	--/--/1B.2	Perennial deciduous shrub typically in openings. Blooms Apr-Oct. Elevation: 30-1,100 meters amsl.	Not expected. Ostensibly suitable habitat occurs in the Proposed Project, reasonably foreseeable distribution components, and alternatives areas; however, the species was not observed in the Proposed Project and alternative areas during surveys conducted in the identifiable season. No CNDDDB records of this species exist within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Carmel Valley malacothrix <i>Malacothrix saxatilis</i> var. <i>arachnoidea</i>	--/--/1B.2	Perennial rhizomatous herb with a white flower. Occurs on rocky, open banks, shale outcrops, and cliff faces. Blooming period: Mar-Dec. Elevation: 25-1035 meters amsl.	None. Suitable chaparral and coastal scrub are absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternative areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Oregon meconella <i>Meconella oregana</i>	--/--/1B.1	Annual herb with a white flower. Occurs on sandy bluffs, meadows and partly sunny, moist banks. Blooming period: Mar-Apr. Elevation: 250-620 meters amsl.	None. Suitable coastal prairie and coastal scrub are absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternative areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Palmer's monardella <i>Monardella palmeri</i>	--/--/1B.2	Perennial herb typically found on serpentine soils. Blooms Jun-Aug. Elevation: 200-800 meters amsl.	Not expected. Suitable serpentine substrate is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternative areas during surveys conducted in the appropriate season. There is one CNDDDB occurrence (near a serpentine area southwest of Atascadero) within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
spreading navarretia <i>Navarretia fossalis</i>	FT/--/1B.1	Spreading (not prostrate) annual herb with long bracts and white flowers. Occurs in vernal pools and ditches. Blooming period: Apr-Jun. Elevation: 30-655 meters amsl.	Not Expected. Marginal habitat in the Proposed Project, reasonably foreseeable distribution components, and alternatives areas exists in ditches. The species was not observed in the Proposed Project and alternative areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
hooked popcornflower <i>Plagiobothrys uncinatus</i>	--/--/1B.2	Annual herb with stained pink flower and pale yellow appendages. Fruit is an ovate nutlet with a rounded base (sometimes wrinkled). Occurs on canyon sides, rocky outcrops, and is sometimes a fire follower. Blooming period: Apr-May. Elevation: 300-600 meters amsl.	Not Expected. Suitable grassland habitat is present in the Proposed Project, reasonably foreseeable distribution components, and alternative areas; however, suitable microhabitat is absent. The species was not observed in the Proposed Project and alternative areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
chaparral ragwort <i>Senecio aphanactis</i>	--/--/2B.2	Annual herb with an urn-shaped inflorescence and yellow ray flower. Occurs on alkaline flats, dry open rocky areas. Blooming period: Jan-May. Elevation: 15-800 meters amsl.	None. Suitable chaparral, cismontane woodland and coastal scrub habitat is absent in the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternative areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Cuesta Pass checkerbloom <i>Sidalcea hickmanii</i> ssp. <i>anomala</i>	--/SR/1B.2	Perennial herb that grows on strict serpentine soil. Blooms May-Jun. Elevation: 600-800 meters amsl.	Not expected. Suitable serpentine substrate is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternative areas during surveys conducted in the appropriate season. There are no CNDDDB occurrences within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Santa Cruz microseris <i>Stebbinsoseris decipiens</i>	--/--/1B.2	Annual herb with a yellow flower and hair-like bristles on the fruit. Occurs on open, sandy, shaly, or serpentine sites near the coast. Blooming period: Apr-May. Elevation: 10-500 meters amsl.	Not Expected. Suitable microhabitat is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas, and the region is out of the species' known range. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
most beautiful jewelflower <i>Streptanthus albidus ssp. peramoenus</i>	--/--/1B.2	Annual herb that grows on serpentine outcrops, on ridges and slopes. Blooms Apr-Sep. Elevation: 90-1040 meters amsl.	Not expected. Suitable serpentine substrate is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. There are two CNDDDB occurrences (from serpentine soils southwest of Atascadero) recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
California seablite <i>Suaeda californica</i>	FE/--/1B.1	Shrub that grows on margins of coastal salt marshes. Blooms Jul-Oct. Elevation: 0-5 meters amsl.	Not expected. Suitable salt marsh habitat is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Animals			
Invertebrates			
Wawona riffle beetle <i>Atractelmis wawona</i>	--/--/--	Found in small to medium mountain streams with clear water from 2,000-5,000 feet amsl. Strongly associated with submerged mosses.	Not expected. Suitable clear mountain stream habitat is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas. The species was not observed in the Proposed Project and alternatives areas during surveys conducted in the appropriate season. There is one CNDDDB occurrence recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives immediately northeast of Whale Rock Reservoir near Cayucos.
monarch butterfly <i>Danaus plexippus</i> (California overwintering pop. 1)	--/--/--	Butterfly with orange wings laced with black lines and bordered with white dots. Suitable overwintering habitat is within 1.5 miles of Pacific Ocean or San Francisco Bay from 200-300 feet above msl in wind-protected stands, typically of Monterey pine (<i>Pinus radiata</i>), Monterey cypress (<i>Cupressus macrocarpa</i>), and blue gum eucalyptus (<i>Eucalyptus globulus</i>).	None. The Proposed Project, reasonably foreseeable distribution components, and alternatives areas are out of the known overwintering range of this species. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Kern primrose sphinx moth <i>Euproserpinus euterpe</i>	FT/--/--	Medium-sized, stout-bodied moth with contrasting white band on the abdomen that occurs in sandy washes consisting of coarse to fine textured, decomposed granite soil in dominant vegetation such as: red-stemmed stork's beak (<i>Erodium cicutarium</i>), baby blue-eyes (<i>Nemophila menziesii</i>), rabbit brush (<i>Chrysothamnus nausseosus</i>), gold fields (<i>Lasthenia chrysostoma</i>), and brome grass (<i>Bromus Arenarius</i>).	None. The Proposed Project, reasonably foreseeable distribution components, and alternatives are out of the known range of this species. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Morro shoulderband (=banded dune) snail <i>Helminthoglypta walkeriana</i>	FE/--/--	Small snail with a tightly coiled shell that is found in coastal dune scrub dominated by woody shrubs.	None. The Proposed Project, reasonably foreseeable distribution components, and alternatives areas are out of the known range of this species. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Amphibians			
California tiger salamander <i>Ambystoma californiense</i>	FE or FT ¹ /ST/- -	Large, stocky, terrestrial salamander with a broad, rounded snout, and with white or pale yellow spots or bars on a black background on the back and sides of body. Found in grasslands and low foothill regions. They prefer natural ephemeral pools or ponds that mimic them (stock ponds that are allowed to go dry) (USFWS 2009).	None. The Proposed Project, reasonably foreseeable distribution components, and alternatives areas are out of the known range of this species. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
lesser slender salamander <i>Batrachoseps minor</i>	--/SSC/--	Salamander that occurs in moist flats in mixed oak, tan oak (<i>Lithocarpus densiflorus</i>), California sycamore (<i>Platanus racemosa</i>), and California bay (<i>Umbellularia californica</i>) forests above 1,300 feet above msl. Endemic to the southern Santa Lucia Mountains in San Luis Obispo County.	None. The Proposed Project, reasonably foreseeable distribution components, and alternatives areas are near, but outside, the known range of this species and there is a lack of suitable habitat. One CNDDDB occurrence (west of Atascadero) has been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
foothill yellow-legged frog <i>Rana boylei</i>	--/CT, SSC/--	Frog that occurs in lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation.	Not expected. Ostensibly suitable habitat is present in the area; however, there are no CNDDDB occurrences of the species within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Coast Range newt <i>Taricha torosa</i>	--/SSC/--	Stocky newt approximately 4.9-7.8 inches long and brown with orange undersides. Breeds and lays eggs in inundated wetlands that retain water for at least one month. Found up to two miles away from breeding habitat.	Not expected. Ostensibly suitable habitat is present. There are 3 CNDDDB occurrences within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives; however, these records are all located in the Santa Lucia Mountains west of Highway 101.
San Joaquin whipsnake (=coachwhip) <i>Coluber</i> (= <i>Masticophis</i>) <i>flagellum ruddocki</i>	--/SSC/--	Slender snake with large head and eyes, typically brown, tan, or yellow-brown. Lacks neck bands and dark head seen in other subspecies of this genus. Active during the day and found in open, treeless areas.	Not expected. Open treeless areas within eastern San Luis Obispo County. There is one CNDDDB record from an observation near Sandon in 1999, but the Proposed Project, reasonably foreseeable distribution components, and alternatives are outside of the species' range.
blunt-nosed leopard lizard <i>Gambelia silus</i>	FE/SE/--	Relatively large lizard with a long tail; short, blunt snout, and a yellowish or light gray-brown to dark brown body with rows of dark spots across the back, alternating with white, cream-colored or yellow bands. Typically found in open, sparsely vegetated areas of low relief on the San Joaquin Valley floor and in the surrounding foothills (USFWS 2010).	None. The Proposed Project, reasonably foreseeable distribution components, and alternatives areas are out of the known range of this species. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
two-striped gartersnake <i>Thamnophis hammondi</i>	--/SSC/--	Snake that measures two-to-three feet long with an olive, brown, or dark gray colored body with a yellow stripe on each side (or no stripe at all). Occurs in streams and ponds in chaparral, oak woodland, and forest habitats, ideally in aquatic areas that are bordered by riparian vegetation with open spaces for basking (Los Padres Forest Watch 2013).	Not Expected. The Proposed Project, reasonably foreseeable distribution components, and alternatives construction activities would not take place in optimal habitat for this species. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Birds			
ferruginous hawk <i>Buteo regalis</i>	MBTA/--/--	Large hawk that forages for small rodents over grasslands and other open habitats. Found during winter over much of California except for the north coast and at high elevations Sierra Nevada Mountains.	None. While suitable foraging habitat is present and the species is known to occur in the region (ebird 2020e), the species does not nest in California.
western snowy plover <i>Charadrius alexandrinus nivosus</i>	FT, MBTA/SSC/--	Seabird found at sandy beaches, salt pond levees, and shores of large alkali lakes. Needs sandy, gravelly or friable soils for nesting.	None. Suitable nesting habitat is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas, and there are no CNDDDB records of the species within 5 miles.
Southwestern willow flycatcher <i>Empidonax traillii extimus</i>	FE, MBTA/SE/--	Small bird with light-colored wingbars. Body is brownish-olive to gray-green above. Breeds in relatively dense riparian tree and shrub communities associated with rivers, swamps, and other wetlands, including lakes and reservoirs (SWWF Recovery Team 2002).	Not expected. The Proposed Project, reasonably foreseeable distribution components, and alternatives area are out of the species core habitat range and only sporadic migrants are expected to occur within the region. No CNDDDB or eBird occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives (eBird 2020i).
California Ridgway's rail <i>Rallus longirostris obsoletus</i>	FE, MBTA/SE, FP/--	Marsh-dwelling bird with short rounded wings, large feet, and long toes. Occurs only within the tidal salt and brackish marshes around San Francisco Bay.	None. The Proposed Project, reasonably foreseeable distribution components, and alternatives area do not contain suitable habitat for this species. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Least bell's vireo <i>Vireo bellii pusillus</i>	FE, MBTA/SE/--	Small bird with short rounded wings and a short, straight bill. Faint white eye ring. Feathers are mostly gray above and pale below. Found in riparian vegetation along rivers of southern California. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, <i>Baccharis</i> , mesquite.	Not Expected. Suitable foraging and nesting habitat exist along the Salinas River, but outside of the direct footprint of the Proposed Project, reasonably foreseeable distribution components, and alternatives. Two CNDDDB occurrences were recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives, the closest and most recent (2005) of which is approximately 0.6 mile north-northwest from the Proposed Project's 70 kV power line. Sightings of the species within the region are relatively rare (eBird 2020p).
Mammals			
Nelson's antelope squirrel <i>Ammospermophilus nelsoni</i>	--/ST/--	Burrowing squirrel found in sandy loam soils vegetated with widely spaced alkali scrub vegetation, typically interspersed with dry washes.	Not expected. Suitable habitat is present in the northeast extent of the Proposed Project, reasonably foreseeable distribution components, and alternatives region, but only one historic (1950) CNDDDB occurrence of the species is known from north of the Estrella River near Shandon Valley. Significant agricultural development has occurred since the observation and the next nearest CNDDDB occurrences of the species are from the San Joaquin Valley and immediately north of the Carrizo Plain.
Giant kangaroo rat <i>Dipodomys ingens</i>	FE/SE/--	Large rat with large, fur-lined cheek pouches, long tails, and five toes. They prefer annual grassland on gentle slopes with friable, sandy-loam soils. However, most remaining populations are on poorer, marginal habitats, which include shrub communities on a variety of soil types and on slopes (USFWS 2016).	None. The Proposed Project, reasonably foreseeable distribution components, and alternatives are outside the known range of this species. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.

Common and Scientific Name	Legal Status Federal / State / CNPS	Description and Habitat	Potential to Occur
Tulare grasshopper mouse <i>Onychomys torridus tularensis</i>	--/SSC/--	Stout-bodied mouse with a short, relatively thick, club-like tail. Body is bicolored with the head and upperparts pale brown to gray or pinkish- cinnamon and the underparts white (N. L. Brown and D.F. Williams 2017). Occurs in arid shrubland communities in hot, arid grassland and shrubland associations, including blue oak woodlands.	None. The Proposed Project, reasonably foreseeable distribution components, and alternatives areas are outside the known range of this species. No CNDDDB occurrences have been recorded within 5 miles of the Proposed Project, reasonably foreseeable distribution components, and alternatives.
Fish			
tidewater goby <i>Eucyclogobius newberryi</i>	FE/SSC/--	Small, elongate, grey-brown fish rarely exceeding two inches in length, characterized by large pectoral fins. Requires full-strength sea water in coastal lagoons and brackish bays at freshwater stream mouths.	None. The Proposed Project, reasonably foreseeable distribution components, and alternatives are outside of the species' range.
steelhead (south-central California Distinct Population Segment – pop. 9) <i>Oncorhynchus mykiss irideus</i>	FT/--/--	Fish that is generally silver in color with pinkish cheeks, green backs, and silver, white or yellowish sides and back. Requires clean, cold water with near saturation dissolved oxygen levels over loose silt-free gravel beds with water temperatures between 15 and 24° C for spawning.	None. The Salinas River is listed as Critical Habitat for the species (see page 52578 in NOAA 2005), but the Proposed Project, reasonably foreseeable distribution components, and alternatives avoid the river. Suitable spawning, rearing, or migration habitat for the species is absent from the Proposed Project, reasonably foreseeable distribution components, and alternatives areas.

1. The Central Valley population is federally threatened, while the Sonoma and Santa Barbara populations are federally endangered.

List of Abbreviations for Federal and State Species-Status:

- | | | |
|------------------------------------|--|--|
| MBTA = Migratory Bird Treaty Act | SE = State endangered | 1B = plants are considered rare, threatened, or endangered in California and elsewhere. |
| DL = De-listed | ST = State threatened | |
| FE = Federal endangered | CT = State candidate threatened | 2 = plants are rare, threatened, or endangered in California, but more common elsewhere. |
| FT = Federal threatened | SSC = State species of special concern | |
| FP = State fully protected species | SR = State rare | |
| | WL = Watch List | |

Threat Ranks:

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

0.2 = Fairly threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)

This page intentionally left blank.