



State of California – Natural Resources Agency  
DEPARTMENT OF FISH AND WILDLIFE  
Central Region  
1234 East Shaw Avenue  
Fresno, California 93710  
(559) 243-4005  
[www.wildlife.ca.gov](http://www.wildlife.ca.gov)

GAVIN NEWSOM, Governor  
CHARLTON H. BONHAM, Director



Governor's Office of Planning & Research

Mar 02 2021

## STATE CLEARINGHOUSE

March 1, 2021

Chris W. Motta, Principal Planner  
County of Fresno, Department of Public Works and Planning  
2220 Tulare Street, Sixth Floor  
Fresno, California 93721  
[gpr@co.fresno.ca.us](mailto:gpr@co.fresno.ca.us)

**Subject: Fresno County General Plan Review and Zoning Ordinance Update (General Plan Amendment No. 529 and Amendment to Text No. 372) (Project)**  
**Notice of Preparation**  
**State Clearinghouse No.: 2018031066**

Dear Mr. Motta:

The California Department of Fish and Wildlife (CDFW) received a Notice of Preparation (NOP) from the County of Fresno Department of Public Works and Planning for the above-referenced Project pursuant to the California Environmental Quality Act (CEQA) and CEQA Guidelines.<sup>1</sup>

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, CDFW appreciates the opportunity to provide comments regarding those aspects of the Project that CDFW, by law, may be required to carry out or approve through the exercise of its own regulatory authority under Fish and Game Code. While the comment period may have ended, CDFW would appreciate if you will still consider our comments.

### CDFW ROLE

CDFW is California's **Trustee Agency** for fish and wildlife resources and holds those resources in trust by statute for all the people of the State (Fish and Game Code, §§ 711.7, subd. (a) & 1802; Pub. Resources Code, § 21070; CEQA Guidelines § 15386, subd. (a)). CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species (*Id.*, § 1802). Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect fish and wildlife resources.

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<sup>1</sup> CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 15000.

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CDFW is also submitting comments as a **Responsible Agency** under CEQA (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381). CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code. As proposed, for example, the Project may be subject to CDFW's Lake and Streambed Alteration (LSA) regulatory authority (Fish and Game Code, § 1600 et seq.). Likewise, to the extent implementation of the Project as proposed may result in "take" as defined by State law of any species protected under the California Endangered Species Act (CESA) (Fish and Game Code, § 2050 et seq.), related authorization as provided by the Fish and Game Code will be required.

In this role, CDFW is responsible for providing, as available, biological expertise during public agency environmental review efforts (i.e., CEQA), focusing specifically on project activities that have the potential to adversely affect fish and wildlife resources. CDFW provides recommendations to identify potential impacts and possible measures to avoid or reduce those impacts. CDFW is unable to provide substantive comments due to the limited Project information provided to us and the overall scope of the Project. We provide general comments below and more specific comments can be provided once the CDFW has had the opportunity to review the Draft Environmental Impact Report (DEIR) that will be prepared for this Project.

## **PROJECT DESCRIPTION SUMMARY**

**Proponent:** County of Fresno

**Objective:** The proposed project consists of a review and update of the County General Plan's Background Report and Policy Document, and a comprehensive update of the Zoning Ordinance. The revised General Plan is intended to build on the major policies of the current 2000 General Plan but expand and strengthen them to meet the challenges and community needs through planning horizon year 2040. The Zoning Ordinance would be updated for consistency with the General Plan.

**Location:** The Project site consists of the entirety of unincorporated Fresno County.

**Timeframe:** 2021-2040

## **COMMENTS AND RECOMMENDATIONS**

The NOP indicates that the Environmental Impact Report (EIR) for the review and update of the General Plan and a comprehensive update of the Zoning Ordinance will describe existing environmental resource areas and conditions in Fresno County, and analyze potential impacts from buildout of the General Plan on the existing environment. The EIR will also identify and evaluate alternatives to the proposed project.

When an EIR is prepared, the specifics of mitigation measures may be deferred, provided the lead agency commits to mitigation and establishes performance standards for implementation. Table 1 lists the special-status plant and animal species that have been documented in Fresno County per the California Natural Diversity Database (CNDDB). While this list may not include all special-status species present in Fresno County, it does provide a robust source of information as to which species could potentially be impacted, and in which areas, by proposed projects in Fresno County. CDFW recommends the EIR prepared for the Project analyze

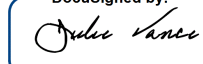
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potential impacts to these species provide measurable, quantifiable, and enforceable mitigation measures that, as needed, will reduce impacts to less than significant levels. In addition, CDFW recommends the County consult with the U.S. Fish and Wildlife Service about potential impacts to federally listed species listed in Table 1.

In addition to potential species impacts, it is likely that some Project activities will be subject to CDFW's regulatory authority pursuant Fish and Game Code section 1600 et seq. If a Lake or Streambed Alteration Agreement (LSAA) is needed, CDFW is required to comply with CEQA in the issuance or the renewal of a LSAA. Therefore, for efficiency in environmental compliance, we recommend that any potential lake or stream disturbance that may result from Project activities be described, and mitigation for the disturbance be developed as part of the EIR. This will reduce the need for the Department to require extensive additional environmental review for a LSAA in the future. If inadequate, or no environmental review, has occurred, for the Project activities that are subject to notification under Fish and Game Code section 1602, CDFW will not be able to issue the Final LSAA until CEQA analysis for the project is complete. This may lead to considerable Project delays.

CDFW is available to meet with you ahead of DEIR preparation to discuss potential impacts and possible mitigation measures for some or all of the resources that may be analyzed in the EIR. If you have any questions, please contact Kelley Nelson, Environmental Scientist, at the address provided on this letterhead, or by email at [Kelley.Nelson@wildlife.ca.gov](mailto:Kelley.Nelson@wildlife.ca.gov).

Sincerely,

DocuSigned by:  
  
FA83F09FE08945A...  
Julie A. Vance  
Regional Manager

cc: United States Fish and Wildlife Service  
2800 Cottage Way, Suite W-2605  
Sacramento, California 95825

Regional Water Quality Control Board  
Central Valley Region  
1685 "E" Street  
Fresno, California 93706-2020

United States Army Corps of Engineers  
San Joaquin Valley Office  
1325 "J" Street, Suite 1350  
Sacramento, California 95814-2928



Table 1 – CNDDDB List for Fresno  
County Species

**Summary Table Report**  
California Department of Fish and Wildlife  
California Natural Diversity Database



Query Criteria: County> IS <(Fresno)

Name (Scientific/Common)	CNDDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Accipiter cooperii</i> Cooper's hawk	G5 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	2,300 2,300	118 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Accipiter gentilis</i> northern goshawk	G5 S3	None None	BLM_S-Sensitive CDF_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive	5,600 10,800	433 S:8	0	0	0	0	0	8	8	0	8	0	0
<i>Aegialia concinna</i> Ciervo aegilian scarab beetle	G1 S1	None None	BLM_S-Sensitive IUCN_VU-Vulnerable	920 3,391	3 S:3	0	0	0	0	0	3	2	1	3	0	0
<i>Agelaius tricolor</i> tricolored blackbird	G1G2 S1S2	None Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	0 857	955 S:25	0	5	0	0	2	18	20	5	23	1	1
<i>Allium abramsii</i> Abrams' onion	G3 S3	None None	Rare Plant Rank - 1B.2	3,200 7,000	22 S:12	0	0	1	0	0	11	7	5	12	0	0
<i>Allium howellii</i> var. <i>sanbenitense</i> San Benito onion	G3G4T3 S3	None None	Rare Plant Rank - 1B.3 BLM_S-Sensitive		18 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Ambystoma californiense</i> California tiger salamander	G2G3 S2S3	Threatened Threatened	CDFW_WL-Watch List IUCN_VU-Vulnerable	297 702	1336 S:45	5	7	5	2	7	19	22	23	38	4	3
<i>Ammonitella yatesii</i> tight coin (=Yates' snail)	G1 S1	None None	IUCN_VU-Vulnerable	3,062 3,650	6 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Ammospermophilus nelsoni</i> Nelson's antelope squirrel	G2G3 S2S3	None Threatened	BLM_S-Sensitive IUCN_EN-Endangered	127 2,700	285 S:39	0	11	5	0	0	23	37	2	39	0	0
<i>Anaxyrus canorus</i> Yosemite toad	G2G3 S2S3	Threatened None	CDFW_SSC-Species of Special Concern IUCN_EN-Endangered USFS_S-Sensitive	7,160 11,190	223 S:37	0	1	0	0	0	36	26	11	37	0	0



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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Anniella alexanderae</i> Temblor legless lizard	G1 S1	None None	CDFW_SSC-Species of Special Concern	530 530	4 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Anniella pulchra</i> Northern California legless lizard	G3 S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	300 2,840	375 S:8	2	0	0	0	0	6	5	3	8	0	0
<i>Anniella spp.</i> California legless lizard	G3G4 S3S4	None None	CDFW_SSC-Species of Special Concern	560 1,100	119 S:2	0	1	0	0	0	1	1	1	2	0	0
<i>Antrozous pallidus</i> pallid bat	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	310 7,135	420 S:11	0	0	0	0	0	11	3	8	11	0	0
<i>Aquila chrysaetos</i> golden eagle	G5 S3	None None	BLM_S-Sensitive CDF_S-Sensitive CDFW_FP-Fully Protected CDFW_WL-Watch List IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	2,400 5,700	323 S:4	1	0	0	0	0	3	3	1	4	0	0
<i>Ardea alba</i> great egret	G5 S4	None None	CDF_S-Sensitive IUCN_LC-Least Concern	296 296	43 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Arizona elegans occidentalis</i> California glossy snake	G5T2 S2	None None	CDFW_SSC-Species of Special Concern	250 2,400	260 S:17	0	0	0	0	0	17	8	9	17	0	0
<i>Asio flammeus</i> short-eared owl	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	440 500	11 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Asio otus</i> long-eared owl	G5 S3?	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	520 520	48 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Astragalus ravenii</i> Raven's milk-vetch	G2 S2	None None	Rare Plant Rank - 1B.3 USFS_S-Sensitive	11,300 12,100	4 S:2	0	0	0	0	0	2	2	0	2	0	0



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Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Athene cunicularia</i> burrowing owl	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	145 1,195	2011 S:46	5	11	16	7	1	6	10	36	45	1	0
<i>Atriplex cordulata</i> var. <i>cordulata</i> heartscale	G3T2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	50 200	66 S:5	0	2	0	0	2	1	4	1	3	0	2
<i>Atriplex cordulata</i> var. <i>erecticaulis</i> Earlimart orache	G3T1 S1	None None	Rare Plant Rank - 1B.2	175 175	23 S:1	0	0	0	0	1	0	1	0	0	0	1
<i>Atriplex coronata</i> var. <i>vallicola</i> Lost Hills crownscale	G4T3 S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	160 1,845	76 S:28	4	9	0	0	0	15	3	25	28	0	0
<i>Atriplex depressa</i> brittlescale	G2 S2	None None	Rare Plant Rank - 1B.2	160 640	60 S:8	0	4	1	0	0	3	6	2	8	0	0
<i>Atriplex minuscula</i> lesser saltscale	G2 S2	None None	Rare Plant Rank - 1B.1	163 200	52 S:7	0	4	0	0	0	3	6	1	7	0	0
<i>Atriplex subtilis</i> subtle orache	G1 S1	None None	Rare Plant Rank - 1B.2	185 190	24 S:3	0	0	0	0	1	2	3	0	2	1	0
<i>Batrachoseps regius</i> Kings River slender salamander	G2 S2S3	None None	IUCN_VU-Vulnerable USFS_S-Sensitive	1,100 7,920	14 S:7	0	0	0	0	0	7	6	1	7	0	0
<i>Big Tree Forest</i> Big Tree Forest	G3 S3.2	None None		5,920 7,000	68 S:15	0	0	0	0	0	15	15	0	15	0	0
<i>Boechea bodiensis</i> Bodie Hills rockcress	G3 S3	None None	Rare Plant Rank - 1B.3 BLM_S-Sensitive USFS_S-Sensitive	11,590 11,590	33 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Boechea tularensis</i> Tulare rockcress	G3 S3	None None	Rare Plant Rank - 1B.3 USFS_S-Sensitive	6,000 11,000	37 S:10	0	0	0	0	0	10	8	2	10	0	0
<i>Bombus caliginosus</i> obscure bumble bee	G4? S1S2	None None	IUCN_VU-Vulnerable	7,000 7,000	181 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Bombus crotchii</i> Crotch bumble bee	G3G4 S1S2	None Candidate Endangered		125 7,000	437 S:24	0	0	0	0	0	24	22	2	24	0	0



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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<b><i>Bombus morrisoni</i></b> Morrison bumble bee	G4G5 S1S2	None None	IUCN_VU-Vulnerable	6,500 6,500	86 S:1	0	0	0	0	0	1	1	0	1	0	0
<b><i>Bombus occidentalis</i></b> western bumble bee	G2G3 S1	None Candidate Endangered	USFS_S-Sensitive	4,000 6,700	306 S:2	0	0	0	0	0	2	2	0	2	0	0
<b><i>Botrychium ascendens</i></b> upswept moonwort	G3G4 S2	None None	Rare Plant Rank - 2B.3 USFS_S-Sensitive	8,400 8,630	53 S:4	0	0	1	0	0	3	1	3	4	0	0
<b><i>Botrychium crenulatum</i></b> scalloped moonwort	G4 S3	None None	Rare Plant Rank - 2B.2 USFS_S-Sensitive	8,210 8,630	138 S:3	0	0	0	0	0	3	0	3	3	0	0
<b><i>Botrychium lineare</i></b> slender moonwort	G3 S1	None None	Rare Plant Rank - 1B.1 USFS_S-Sensitive	8,400 8,600	5 S:2	0	0	0	1	0	1	0	2	2	0	0
<b><i>Botrychium minganense</i></b> Mingan moonwort	G4G5 S3	None None	Rare Plant Rank - 2B.2 USFS_S-Sensitive	8,500 8,500	130 S:2	0	0	0	0	0	2	1	1	2	0	0
<b><i>Botrychium montanum</i></b> western goblin	G3 S2	None None	Rare Plant Rank - 2B.1 USFS_S-Sensitive	8,630 8,630	69 S:2	0	0	0	0	0	2	1	1	2	0	0
<b><i>Branchinecta longiantenna</i></b> longhorn fairy shrimp	G1 S1S2	Endangered None	IUCN_EN-Endangered	165 165	23 S:2	2	0	0	0	0	0	0	2	2	0	0
<b><i>Branchinecta lynchi</i></b> vernal pool fairy shrimp	G3 S3	Threatened None	IUCN_VU-Vulnerable	165 1,940	791 S:45	8	2	1	1	1	32	5	40	44	1	0
<b><i>Branchinecta mesovallensis</i></b> midvalley fairy shrimp	G2 S2S3	None None		335 470	144 S:6	1	0	0	0	0	5	1	5	6	0	0
<b><i>Brasenia schreberi</i></b> watershield	G5 S3	None None	Rare Plant Rank - 2B.3		43 S:1	0	0	0	0	0	1	0	1	1	0	0
<b><i>Bruchia bolanderi</i></b> Bolander's bruchia	G3G4 S3	None None	Rare Plant Rank - 4.2 USFS_S-Sensitive	7,100 10,950	28 S:4	0	0	0	0	0	4	3	1	4	0	0
<b><i>Buteo swainsoni</i></b> Swainson's hawk	G5 S3	None Threatened	BLM_S-Sensitive IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	115 660	2535 S:73	4	24	16	4	0	25	34	39	73	0	0
<b><i>Calasellus longus</i></b> An isopod	G1 S1	None None		5,370 5,370	1 S:1	0	0	0	0	0	1	1	0	1	0	0





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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Calicina dimorphica</i> Watts Valley harvestman	G1 S1	None None		1,560 1,560	1 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Calicina macula</i> marbled harvestman	G1 S1	None None		560 560	1 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Calicina mesaensis</i> Table Mountain harvestman	G1 S1	None None		760 760	1 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Calicina piedra</i> Piedra harvestman	G1 S1	None None		500 500	1 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Calyptridium pulchellum</i> Mariposa pussypaws	G1 S1	Threatened None	Rare Plant Rank - 1B.1	3,205 3,690	9 S:2	0	1	1	0	0	0	0	2	2	0	0
<i>Calyptridium pygmaeum</i> pygmy pussypaws	G1G2 S1S2	None None	Rare Plant Rank - 1B.2 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive		11 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Calystegia malacophylla</i> var. <i>berryi</i> Berry's morning-glory	G4G5T2Q S2	None None	Rare Plant Rank - 3.3	5,200 5,200	10 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Camissonia benitensis</i> San Benito evening-primrose	G2 S2	Threatened None	Rare Plant Rank - 1B.1 SB_SBBG-Santa Barbara Botanic Garden SB_UCBG-UC Botanical Garden at Berkeley	2,400 3,800	60 S:10	1	0	0	0	0	9	0	10	10	0	0
<i>Camissonia sierrae</i> ssp. <i>alticola</i> Mono Hot Springs evening-primrose	G3T2 S2	None None	Rare Plant Rank - 1B.2 USFS_S-Sensitive	4,900 7,700	21 S:14	3	6	2	0	0	3	7	7	14	0	0
<i>Campanula exigua</i> chaparral harebell	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	3,920 3,920	50 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Carex comosa</i> bristly sedge	G5 S2	None None	Rare Plant Rank - 2B.1	330 330	32 S:1	0	0	0	0	0	1	1	0	1	0	0





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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Carex limosa</i> mud sedge	G5 S3	None None	Rare Plant Rank - 2B.2	9,150 9,150	40 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Carex tompkinsii</i> Tompkins' sedge	G3G4 S3S4	None Rare	Rare Plant Rank - 4.3	1,400 5,680	17 S:15	0	1	0	0	0	14	15	0	15	0	0
<i>Carlquistia muirii</i> Muir's tarplant	G2 S2	None None	Rare Plant Rank - 1B.3 BLM_S-Sensitive USFS_S-Sensitive	3,900 7,000	21 S:12	2	2	0	0	0	8	11	1	12	0	0
<i>Carpenteria californica</i> tree-anemone	G1? S1?	None Threatened	Rare Plant Rank - 1B.2 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_UCBG-UC Botanical Garden at Berkeley USFS_S-Sensitive	1,100 4,400	13 S:10	0	7	1	0	0	2	8	2	10	0	0
<i>Castilleja campestris</i> var. <i>succulenta</i> succulent owl's-clover	G4?T2T3 S2S3	Threatened Endangered	Rare Plant Rank - 1B.2	350 1,960	99 S:11	5	1	1	0	2	2	9	2	9	2	0
<i>Caulanthus californicus</i> California jewelflower	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden SB_UCBG-UC Botanical Garden at Berkeley	700 1,325	67 S:10	1	2	0	0	7	0	8	2	3	4	3
<i>Caulanthus lemmonii</i> Lemmon's jewelflower	G3 S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_SBBG-Santa Barbara Botanic Garden USFS_S-Sensitive	800 800	91 S:1	0	0	1	0	0	0	0	1	1	0	0
<b>Central Valley Drainage</b> <b>Hardhead/Squawfish Stream</b> Central Valley Drainage Hardhead/Squawfish Stream	GNR SNR	None None		1,100 1,200	11 S:3	0	2	1	0	0	0	3	0	3	0	0



**Summary Table Report**  
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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Charadrius montanus</i> mountain plover	G3 S2S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	140 175	90 S:5	0	3	1	0	0	1	1	4	5	0	0
<i>Chloropyron palmatum</i> palmate-bracted bird's-beak	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	160 195	25 S:4	0	1	1	0	2	0	3	1	2	0	2
<i>Chrysis tularensis</i> Tulare cuckoo wasp	G1G2 S1S2	None None		700 3,290	5 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Cinna bolanderi</i> Bolander's woodreed	G2G3 S2S3	None None	Rare Plant Rank - 1B.2 USFS_S-Sensitive	6,600 7,160	20 S:4	0	1	1	0	0	2	2	2	4	0	0
<i>Circus hudsonius</i> northern harrier	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	633 633	53 S:1	0	1	0	0	0	0	0	1	1	0	0
<i>Claytonia megarhiza</i> fell-fields claytonia	G5 S2	None None	Rare Plant Rank - 2B.3	10,600 10,600	24 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Coastal and Valley Freshwater Marsh</i> Coastal and Valley Freshwater Marsh	G3 S2.1	None None		155 155	60 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	G5T2T3 S1	Threatened Endangered	BLM_S-Sensitive NABCI_RWL-Red Watch List USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	160 345	165 S:4	0	0	0	0	4	0	4	0	0	2	2
<i>Coelus gracilis</i> San Joaquin dune beetle	G1 S1	None None	BLM_S-Sensitive IUCN_VU-Vulnerable	800 1,670	11 S:7	0	0	0	0	0	7	6	1	7	0	0



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<i>Corynorhinus townsendii</i> Townsend's big-eared bat	G4 S2	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	870 7,450	635 S:8	0	0	0	0	0	8	4	4	8	0	0
<i>Cryptantha incana</i> Tulare cryptantha	G2 S2	None None	Rare Plant Rank - 1B.3 USFS_S-Sensitive	5,000 5,800	34 S:2	0	0	0	0	0	2	1	1	2	0	0
<i>Cryptochia excella</i> Kings Canyon cryptochian caddisfly	G1G2 S1S2	None None		6,400 6,400	3 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Deinandra halliana</i> Hall's tarplant	G3 S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden	510 2,800	69 S:23	11	5	0	0	0	7	2	21	23	0	0
<i>Delphinium inopinum</i> unexpected larkspur	G3 S3	None None	Rare Plant Rank - 4.3 USFS_S-Sensitive	9,000 9,600	30 S:5	5	0	0	0	0	0	5	0	5	0	0
<i>Delphinium recurvatum</i> recurved larkspur	G2? S2?	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_SBBG-Santa Barbara Botanic Garden	180 1,880	119 S:11	0	1	1	0	3	6	7	4	8	0	3
<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	G3T2 S3	Threatened None		225 2,200	271 S:28	2	3	2	2	0	19	23	5	28	0	0
<i>Desmona bethula</i> amphibious caddisfly	G2G3 S2S3	None None		6,242 6,242	17 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Dipodomys ingens</i> giant kangaroo rat	G1G2 S1S2	Endangered Endangered	IUCN_EN-Endangered	480 2,200	137 S:25	0	1	1	0	4	19	24	1	21	3	1
<i>Dipodomys nitratoideus brevinasus</i> short-nosed kangaroo rat	G3T1T2 S1S2	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable	525 800	64 S:6	0	1	2	2	0	1	6	0	6	0	0



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<i>Dipodomys nitratoideus exilis</i> Fresno kangaroo rat	G3TH SH	Endangered Endangered	IUCN_VU-Vulnerable	160 225	12 S:9	0	0	2	0	5	2	9	0	4	2	3
<i>Downingia pusilla</i> dwarf downingia	GU S2	None None	Rare Plant Rank - 2B.2	300 300	132 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Draba praealta</i> tall draba	G5 S3	None None	Rare Plant Rank - 2B.3	8,800 12,800	16 S:4	0	0	0	0	0	4	4	0	4	0	0
<i>Draba sharsmithii</i> Mt. Whitney draba	G2 S2	None None	Rare Plant Rank - 1B.3 USFS_S-Sensitive	11,370 11,700	8 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Draba sierrae</i> Sierra draba	G3 S3	None None	Rare Plant Rank - 1B.3	11,500 12,300	13 S:5	2	0	0	0	0	3	3	2	5	0	0
<i>Efferia antiochi</i> Antioch efferian robberfly	G1G2 S1S2	None None		260 300	4 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Egretta thula</i> snowy egret	G5 S4	None None	IUCN_LC-Least Concern	296 296	20 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Elymus scribneri</i> Scribner's wheat grass	G5 S3	None None	Rare Plant Rank - 2B.3	11,250 12,800	12 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Empidonax traillii</i> willow flycatcher	G5 S1S2	None Endangered	IUCN_LC-Least Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	5,560 6,880	90 S:7	0	0	0	0	3	4	7	0	4	3	0
<i>Emys marmorata</i> western pond turtle	G3G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	150 5,200	1398 S:35	5	9	3	1	0	17	25	10	35	0	0
<i>Epilobium howellii</i> subalpine fireweed	G4 S4	None None	Rare Plant Rank - 4.3	6,673 8,823	99 S:54	9	22	21	1	0	1	0	54	54	0	0
<i>Eremophila alpestris actia</i> California horned lark	G5T4Q S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	370 513	94 S:2	0	0	0	2	0	0	2	0	2	0	0
<i>Erethizon dorsatum</i> North American porcupine	G5 S3	None None	IUCN_LC-Least Concern	8,317 8,824	523 S:2	0	0	0	0	0	2	0	2	2	0	0



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<i>Eriastrum hooveri</i> Hoover's eriastrum	G3 S3	Delisted None	Rare Plant Rank - 4.2 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	160 850	47 S:13	0	3	2	0	7	1	13	0	6	2	5
<i>Eriastrum tracyi</i> Tracy's eriastrum	G3Q S3	None Rare	Rare Plant Rank - 3.2 USFS_S-Sensitive	2,300 5,009	119 S:5	0	3	0	0	0	2	2	3	5	0	0
<i>Erigeron aequifolius</i> Hall's daisy	G3 S3	None None	Rare Plant Rank - 1B.3 BLM_S-Sensitive USFS_S-Sensitive	3,400 6,450	13 S:8	1	0	1	0	0	6	7	1	8	0	0
<i>Erigeron inornatus</i> var. <i>keilii</i> Keil's daisy	G5T2 S2	None None	Rare Plant Rank - 1B.3	2,300 5,500	9 S:7	0	0	0	0	0	7	7	0	7	0	0
<i>Eriogonum eastwoodianum</i> Eastwood's buckwheat	G2 S2	None None	Rare Plant Rank - 1B.3	1,750 3,425	4 S:3	0	0	0	0	0	3	3	0	3	0	0
<i>Eriogonum heermannii</i> var. <i>occidentale</i> western Heermann's buckwheat	G5T2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	1,600 1,600	12 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Eriogonum nudum</i> var. <i>regirivum</i> Kings River buckwheat	G5T2 S2	None None	Rare Plant Rank - 1B.2 USFS_S-Sensitive	1,100 6,000	5 S:5	1	0	0	0	0	4	3	2	5	0	0
<i>Eriogonum ovalifolium</i> var. <i>monarchense</i> Monarch buckwheat	G5T1 S1	None None	Rare Plant Rank - 1B.1 USFS_S-Sensitive	6,100 6,100	1 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Eryngium spinosepalum</i> spiny-sepaled button-celery	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	400 4,167	108 S:10	0	2	1	0	2	5	8	2	8	1	1
<i>Erythranthe gracilipes</i> slender-stalked monkeyflower	G2 S2	None None	Rare Plant Rank - 1B.2 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	1,710 4,200	13 S:9	0	0	0	0	0	9	8	1	9	0	0
<i>Erythranthe marmorata</i> Stanislaus monkeyflower	G2? S2?	None None	Rare Plant Rank - 1B.1	4,700 4,700	10 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Erythranthe norrisii</i> Kaweah monkeyflower	G2 S2	None None	Rare Plant Rank - 1B.3 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	1,840 1,840	8 S:1	1	0	0	0	0	0	1	0	1	0	0



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<i>Eucerceris ruficeps</i> redheaded sphecid wasp	G1G3 S1S2	None None		400 400	4 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Euderma maculatum</i> spotted bat	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_H-High Priority	500 9,320	68 S:7	1	0	0	0	0	6	3	4	7	0	0
<i>Eumops perotis californicus</i> western mastiff bat	G4G5T4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern WBWG_H-High Priority	160 7,132	296 S:26	0	1	1	0	0	24	16	10	26	0	0
<i>Extriplex joaquinana</i> San Joaquin spearscale	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	1,500 2,000	127 S:2	0	0	0	0	0	2	1	1	2	0	0
<i>Falco columbarius</i> merlin	G5 S3S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	165 323	37 S:2	0	1	0	0	0	1	0	2	2	0	0
<i>Falco mexicanus</i> prairie falcon	G5 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	640 4,200	451 S:12	1	0	0	0	0	11	11	1	12	0	0
<i>Fritillaria agrestis</i> stinkbells	G3 S3	None None	Rare Plant Rank - 4.2	3,500 3,500	32 S:1	0	0	1	0	0	0	1	0	1	0	0
<i>Fritillaria viridea</i> San Benito fritillary	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive USFS_S-Sensitive		24 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Gambelia sila</i> blunt-nosed leopard lizard	G1 S1	Endangered Endangered	CDFW_FP-Fully Protected IUCN_EN-Endangered	160 2,200	392 S:41	2	7	3	0	0	29	39	2	41	0	0
<i>Gilia yorkii</i> Monarch gilia	G2 S2	None None	Rare Plant Rank - 1B.1 USFS_S-Sensitive	3,500 6,000	3 S:3	0	2	0	0	0	1	2	1	3	0	0
<i>Glyceria grandis</i> American manna grass	G5 S3	None None	Rare Plant Rank - 2B.3	5,000 5,000	10 S:2	0	0	0	0	0	2	2	0	2	0	0





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<i>Gonidea angulata</i> western ridged mussel	G3 S1S2	None None		115 563	157 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Gratiola heterosepala</i> Boggs Lake hedge-hyssop	G2 S2	None Endangered	Rare Plant Rank - 1B.2 BLM_S-Sensitive	1,800 1,980	99 S:4	1	0	1	0	0	2	3	1	4	0	0
<i>Great Valley Mesquite Scrub</i> Great Valley Mesquite Scrub	G1 S1.1	None None		580 1,080	7 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Great Valley Mixed Riparian Forest</i> Great Valley Mixed Riparian Forest	G2 S2.2	None None		280 460	68 S:4	0	0	0	0	0	4	4	0	4	0	0
<i>Gulo gulo</i> California wolverine	G4 S1	Proposed Threatened Threatened	CDFW_FP-Fully Protected IUCN_NT-Near Threatened USFS_S-Sensitive	3,760 11,800	174 S:24	0	0	0	0	0	24	23	1	24	0	0
<i>Hackelia sharsmithii</i> Sharsmith's stickseed	G3 S3	None None	Rare Plant Rank - 2B.3	11,900 11,900	26 S:2	0	0	0	0	0	2	1	1	2	0	0
<i>Haliaeetus leucocephalus</i> bald eagle	G5 S3	Delisted Endangered	BLM_S-Sensitive CDF_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	1,430 7,800	329 S:3	1	2	0	0	0	0	0	3	3	0	0
<i>Helianthus winteri</i> Winter's sunflower	G2? S2?	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	400 1,900	55 S:18	5	11	0	0	0	2	0	18	18	0	0
<i>Helodium blandowii</i> Blandow's bog moss	G4 S2	None None	Rare Plant Rank - 2B.3 USFS_S-Sensitive	8,400 9,200	16 S:2	0	0	0	0	0	2	1	1	2	0	0
<i>Heterotheca monarzensis</i> Monarch golden-aster	G2 S2	None None	Rare Plant Rank - 1B.1 USFS_S-Sensitive	3,940 6,070	3 S:3	1	0	0	0	0	2	3	0	3	0	0
<i>Hulsea brevifolia</i> short-leaved hulsea	G3 S3	None None	Rare Plant Rank - 1B.2 USFS_S-Sensitive	5,150 9,800	64 S:23	2	4	1	0	0	16	11	12	23	0	0
<i>Hydromantes platycephalus</i> Mount Lyell salamander	G4 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	7,830 12,000	47 S:4	0	0	0	0	0	4	4	0	4	0	0





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<i>Imperata brevifolia</i> California satintail	G4 S3	None None	Rare Plant Rank - 2B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden USFS_S-Sensitive	300 400	32 S:3	0	0	0	0	0	3	3	0	3	0	0
<i>Ivesia campestris</i> field ivesia	G3 S3	None None	Rare Plant Rank - 1B.2	6,000 10,335	69 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Ivesia unguiculata</i> Yosemite ivesia	G3 S3	None None	Rare Plant Rank - 4.2	5,600 9,600	26 S:21	5	2	3	1	2	8	21	0	19	1	1
<i>Lagophylla diabolensis</i> Diablo Range hare-leaf	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_SBBG-Santa Barbara Botanic Garden	3,500 3,500	15 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Lagophylla dichotoma</i> forked hare-leaf	G2 S2	None None	Rare Plant Rank - 1B.1	630 1,100	7 S:3	0	0	0	0	0	3	0	3	3	0	0
<i>Lanius ludovicianus</i> loggerhead shrike	G4 S4	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	320 320	110 S:1	0	0	1	0	0	0	0	1	1	0	0
<i>Lasiurus blossevillei</i> western red bat	G4 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_H-High Priority	150 160	128 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Lasiurus cinereus</i> hoary bat	G3G4 S4	None None	IUCN_LC-Least Concern WBWG_M-Medium Priority	270 9,790	238 S:5	0	0	0	0	0	5	5	0	5	0	0
<i>Lasthenia chrysantha</i> alkali-sink goldfields	G2 S2	None None	Rare Plant Rank - 1B.1	165 500	55 S:15	0	0	0	0	6	9	8	7	9	6	0



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<i>Layia discoidea</i> rayless layia	G2 S2	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	2,800 4,700	43 S:4	0	3	0	0	0	1	2	2	4	0	0
<i>Layia heterotricha</i> pale-yellow layia	G2 S2	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden USFS_S-Sensitive	1,000 3,700	125 S:11	2	2	0	0	0	7	2	9	11	0	0
<i>Layia munzii</i> Munz's tidy-tips	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	150 925	68 S:8	0	0	1	0	0	7	6	2	8	0	0
<i>Lepidium jaredii</i> ssp. <i>album</i> Panoche pepper-grass	G2G3T2T3 S2S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	220 2,500	60 S:40	11	2	0	0	3	24	5	35	37	1	2
<i>Lepidurus packardii</i> vernal pool tadpole shrimp	G4 S3S4	Endangered None	IUCN_EN-Endangered	1,080 1,980	324 S:2	1	0	0	0	0	1	0	2	2	0	0
<i>Leptosiphon serrulatus</i> Madera leptosiphon	G3 S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive USFS_S-Sensitive	600 3,400	27 S:12	0	4	0	0	0	8	7	5	12	0	0
<i>Lewisia congonii</i> Congdon's lewisia	G2 S2	None Rare	Rare Plant Rank - 1B.3 USFS_S-Sensitive	3,100 5,020	10 S:3	1	0	0	0	0	2	3	0	3	0	0
<i>Lewisia disepala</i> Yosemite lewisia	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive USFS_S-Sensitive	4,400 4,700	22 S:3	0	1	2	0	0	0	3	0	3	0	0
<i>Lindleriella occidentalis</i> California lindleriella	G2G3 S2S3	None None	IUCN_NT-Near Threatened	164 4,700	508 S:23	2	1	0	0	0	20	4	19	23	0	0
<i>Lupinus citrinus</i> var. <i>citrinus</i> orange lupine	G2T2 S2	None None	Rare Plant Rank - 1B.2 USFS_S-Sensitive	1,800 5,800	57 S:47	3	15	8	0	0	21	44	3	47	0	0



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<i>Lupinus lepidus</i> var. <i>culbertsonii</i> Hockett Meadows lupine	G5T3 S3	None None	Rare Plant Rank - 1B.3 USFS_S-Sensitive	10,940 10,940	11 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Lytta hoppingi</i> Hopping's blister beetle	G1G2 S1S2	None None		650 650	5 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Lytta moesta</i> moestan blister beetle	G2 S2	None None		410 410	12 S:1	0	0	0	0	1	0	1	0	0	1	0
<i>Lytta molesta</i> molestan blister beetle	G2 S2	None None		275 2,200	17 S:8	0	0	0	0	0	8	8	0	6	2	0
<i>Lytta morrisoni</i> Morrison's blister beetle	G1G2 S1S2	None None		680 1,240	10 S:2	0	0	0	0	0	2	2	0	1	1	0
<i>Madia radiata</i> showy golden madia	G3 S3	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden	510 4,000	100 S:36	18	6	0	1	0	11	6	30	36	0	0
<i>Malacothamnus aboriginum</i> Indian Valley bush-mallow	G3 S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden	500 3,665	63 S:10	0	0	0	0	0	10	7	3	10	0	0
<i>Martes caurina sierrae</i> Sierra marten	G4G5T3 S3	None None	USFS_S-Sensitive	4,800 10,600	149 S:18	0	2	4	0	0	12	18	0	18	0	0
<i>Masticophis flagellum ruddocki</i> San Joaquin coachwhip	G5T2T3 S2?	None None	CDFW_SSC-Species of Special Concern	160 2,280	96 S:14	1	8	0	0	0	5	5	9	14	0	0
<i>Meesia triquetra</i> three-ranked hump moss	G5 S4	None None	Rare Plant Rank - 4.2	7,200 7,200	19 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Meesia uliginosa</i> broad-nerved hump moss	G5 S3	None None	Rare Plant Rank - 2B.2 USFS_S-Sensitive	8,520 8,520	52 S:1	0	0	0	0	0	1	1	0	1	0	0



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<b><i>Metapogon hurdi</i></b> Hurd's metapogon robberfly	G1G2 S1S2	None None		325 2,000	3 S:2	0	0	0	0	0	2	2	0	1	1	0
<b><i>Mielichhoferia elongata</i></b> elongate copper moss	G5 S3S4	None None	Rare Plant Rank - 4.3 USFS_S-Sensitive	1,050 3,200	20 S:4	0	0	0	0	0	4	4	0	4	0	0
<b><i>Mielichhoferia shevockii</i></b> Shevock's copper moss	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	1,880 3,640	6 S:3	0	0	0	0	0	3	3	0	3	0	0
<b><i>Monolopia congdonii</i></b> San Joaquin woollythreads	G2 S2	Endangered None	Rare Plant Rank - 1B.2 SB_UCBG-UC Botanical Garden at Berkeley	190 1,700	111 S:36	1	13	7	1	6	8	16	20	30	6	0
<b><i>Monvero Residual Dunes</i></b> Monvero Residual Dunes	G1 S1.2	None None		1,743 3,080	3 S:3	0	0	0	0	0	3	3	0	3	0	0
<b><i>Muhlenbergia utilis</i></b> aparejo grass	G4 S2S3	None None	Rare Plant Rank - 2B.2	7,600 7,600	14 S:1	0	0	0	0	0	1	1	0	1	0	0
<b><i>Mylopharodon conocephalus</i></b> hardhead	G3 S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	255 255	33 S:1	0	0	0	0	0	1	1	0	1	0	0
<b><i>Myotis ciliolabrum</i></b> western small-footed myotis	G5 S3	None None	BLM_S-Sensitive IUCN_LC-Least Concern WBWG_M-Medium Priority	50 9,500	82 S:3	2	0	0	0	0	1	0	3	3	0	0
<b><i>Myotis evotis</i></b> long-eared myotis	G5 S3	None None	BLM_S-Sensitive IUCN_LC-Least Concern WBWG_M-Medium Priority	2,022 7,363	139 S:15	1	0	0	0	0	14	0	15	15	0	0
<b><i>Myotis thysanodes</i></b> fringed myotis	G4 S3	None None	BLM_S-Sensitive IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	2,278 7,349	86 S:5	0	1	0	0	0	4	1	4	5	0	0
<b><i>Myotis volans</i></b> long-legged myotis	G4G5 S3	None None	IUCN_LC-Least Concern WBWG_H-High Priority	2,026 5,992	117 S:6	0	1	0	0	0	5	1	5	6	0	0



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<i>Myotis yumanensis</i> Yuma myotis	G5 S4	None None	BLM_S-Sensitive IUCN_LC-Least Concern WBWG_LM-Low-Medium Priority	150 7,394	265 S:13	1	0	0	0	0	12	2	11	13	0	0	
<i>Navarretia nigelliformis ssp. radians</i> shining navarretia	G4T2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	1,700 3,200	102 S:3	0	0	0	0	0	3	2	1	3	0	0	
<i>Navarretia panochensis</i> Panoche navarretia	G3 S3	None None	Rare Plant Rank - 1B.3	1,068 2,188	34 S:17	1	2	0	0	0	14	1	16	17	0	0	
<i>Navarretia prostrata</i> prostrate vernal pool navarretia	G2 S2	None None	Rare Plant Rank - 1B.2	2,060 4,055	61 S:15	0	0	0	0	0	15	0	15	15	0	0	
<i>Northern Basalt Flow Vernal Pool</i> Northern Basalt Flow Vernal Pool	G3 S2.2	None None		1,400 1,900	28 S:4	1	0	0	0	0	3	4	0	4	0	0	
<i>Northern Claypan Vernal Pool</i> Northern Claypan Vernal Pool	G1 S1.1	None None		175 350	21 S:2	0	0	0	0	0	2	2	0	2	0	0	
<i>Northern Hardpan Vernal Pool</i> Northern Hardpan Vernal Pool	G3 S3.1	None None		380 600	126 S:4	1	0	0	0	0	3	4	0	4	0	0	
<i>Northern Vernal Pool</i> Northern Vernal Pool	G2 S2.1	None None		4,700 4,700	20 S:1	0	0	0	0	0	1	1	0	1	0	0	
<i>Nycticorax nycticorax</i> black-crowned night heron	G5 S4	None None	IUCN_LC-Least Concern	296 296	37 S:1	0	0	0	0	0	1	0	1	1	0	0	
<i>Ochotona princeps schisticeps</i> gray-headed pika	G5T4 S2S4	None None	IUCN_NT-Near Threatened	9,200 13,551	332 S:11	0	0	0	0	0	11	7	4	11	0	0	
<i>Oncorhynchus clarkii henshawi</i> Lahontan cutthroat trout	G5T3 S1	Threatened None	AFS_TH-Threatened	8,000 8,000	27 S:1	0	0	0	0	0	1	1	0	1	0	0	
<i>Oncorhynchus clarkii seleniris</i> Paiute cutthroat trout	G5T1T2 S1	Threatened None	AFS_EN-Endangered	9,840 9,840	12 S:1	0	0	0	0	1	0	1	0	0	1	0	
<i>Oncorhynchus mykiss irideus pop. 11</i> steelhead - Central Valley DPS	G5T2Q S2	Threatened None	AFS_TH-Threatened		31 S:1	0	0	0	1	0	0	0	1	1	0	0	
<i>Onychomys torridus tularensis</i> Tulare grasshopper mouse	G5T1T2 S1S2	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern	400 2,100	53 S:8	1	0	0	0	0	7	7	1	8	0	0	



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<i>Oravelia pege</i> Dry Creek cliff strider bug	G1 S1	None None		1,600 1,600	1 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Orcuttia inaequalis</i> San Joaquin Valley Orcutt grass	G1 S1	Threatened Endangered	Rare Plant Rank - 1B.1	300 1,850	47 S:5	1	1	0	0	3	0	4	1	2	0	3
<i>Ovis canadensis sierrae</i> Sierra Nevada bighorn sheep	G4T2 S2	Endangered Endangered	CDFW_FP-Fully Protected	12,400 12,400	5 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Packera indecora</i> rayless mountain ragwort	G5 S2?	None None	Rare Plant Rank - 2B.2	9,600 9,600	6 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Pandion haliaetus</i> osprey	G5 S4	None None	CDF_S-Sensitive CDFW_WL-Watch List IUCN_LC-Least Concern	3,400 8,050	504 S:21	0	0	0	0	0	21	1	20	21	0	0
<i>Parapsyche extensa</i> King's Creek parapsyche caddisfly	GH SH	None None		7,000 7,000	2 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Pekania pennanti</i> pop. 2 Fisher - Southern Sierra Nevada ESU	G5T1 S1	Endangered Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern USFS_S-Sensitive	3,000 9,800	188 S:48	0	2	1	0	0	45	41	7	48	0	0
<i>Peltigera gowardii</i> western waterfan lichen	G4? S3	None None	Rare Plant Rank - 4.2 USFS_S-Sensitive	6,400 6,800	26 S:2	1	1	0	0	0	0	0	2	2	0	0
<i>Perognathus inornatus</i> San Joaquin pocket mouse	G2G3 S2S3	None None	BLM_S-Sensitive IUCN_LC-Least Concern	265 2,100	127 S:12	3	2	0	0	1	6	8	4	11	0	1
<i>Petrophytum caespitosum</i> ssp. <i>acuminatum</i> marble rockmat	G5T2 S2	None None	Rare Plant Rank - 1B.3 USFS_S-Sensitive	3,100 7,300	8 S:5	1	1	0	1	0	2	2	3	5	0	0
<i>Phalacrocorax auritus</i> double-crested cormorant	G5 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	332 332	39 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Phrynosoma blainvillii</i> coast horned lizard	G3G4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	165 3,500	784 S:6	4	1	0	0	1	0	3	3	5	1	0
<i>Picoides arcticus</i> black-backed woodpecker	G5 S2	None None		7,300 8,900	62 S:5	0	0	0	0	0	5	4	1	5	0	0





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<i>Plagiobothrys torreyi</i> var. <i>torreyi</i> Yosemite popcornflower	G4T3Q S3	None None	Rare Plant Rank - 1B.2	3,550 3,550	12 S:2	0	0	0	0	0	2	1	1	2	0	0
<i>Platanthera yosemitensis</i> Yosemite bog orchid	G2 S2	None None	Rare Plant Rank - 1B.2 USFS_S-Sensitive	7,000 7,200	7 S:2	2	0	0	0	0	0	0	2	2	0	0
<i>Plegadis chihi</i> white-faced ibis	G5 S3S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	150 150	20 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Poa lettermanii</i> Letterman's blue grass	G4 S3	None None	Rare Plant Rank - 2B.3	13,300 13,825	11 S:4	0	0	0	0	0	4	4	0	4	0	0
<i>Pohlia tundrae</i> tundra thread moss	G3 S3	None None	Rare Plant Rank - 2B.3	7,220 7,220	8 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Potamogeton robbinsii</i> Robbins' pondweed	G5 S3	None None	Rare Plant Rank - 2B.3	5,600 5,600	17 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Pseudobahia bahiifolia</i> Hartweg's golden sunburst	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	440 460	27 S:3	0	3	0	0	0	0	0	3	3	0	0
<i>Pseudobahia peirsonii</i> San Joaquin adobe sunburst	G1 S1	Threatened Endangered	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	390 495	51 S:6	0	1	4	1	0	0	2	4	6	0	0
<i>Puccinellia simplex</i> California alkali grass	G3 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	180 220	80 S:6	0	0	0	0	4	2	5	1	2	2	2
<i>Rana boylei</i> foothill yellow-legged frog	G3 S3	None Endangered	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened USFS_S-Sensitive	400 4,700	2468 S:31	3	2	1	0	14	11	26	5	17	0	14
<i>Rana draytonii</i> California red-legged frog	G2G3 S2S3	Threatened None	CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable	540 1,200	1643 S:4	0	3	1	0	0	0	2	2	4	0	0
<i>Rana muscosa</i> southern mountain yellow-legged frog	G1 S1	Endangered Endangered	CDFW_WL-Watch List IUCN_EN-Endangered USFS_S-Sensitive	5,300 11,620	186 S:20	0	1	0	0	0	19	18	2	20	0	0





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<i>Rana sierrae</i> Sierra Nevada yellow-legged frog	G1 S1	Endangered Threatened	CDFW_WL-Watch List IUCN_EN-Endangered USFS_S-Sensitive	5,700 11,800	659 S:101	2	8	0	10	3	78	61	40	98	3	0
<i>Ribes menziesii</i> var. <i>ixoderme</i> aromatic canyon gooseberry	G4T2 S2	None None	Rare Plant Rank - 1B.2	2,000 3,000	25 S:3	1	0	0	0	0	2	2	1	3	0	0
<i>Riparia riparia</i> bank swallow	G5 S2	None Threatened	BLM_S-Sensitive IUCN_LC-Least Concern	155 155	298 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Sabulina stricta</i> bog sandwort	G5 S3	None None	Rare Plant Rank - 2B.3	12,700 12,700	18 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Sagittaria sanfordii</i> Sanford's arrowhead	G3 S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	160 417	126 S:22	1	4	7	2	0	8	8	14	22	0	0
<i>Senecio aphanactis</i> chaparral ragwort	G3 S2	None None	Rare Plant Rank - 2B.2 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	635 2,435	98 S:21	8	2	0	0	0	11	0	21	21	0	0
<i>Setophaga petechia</i> yellow warbler	G5 S3S4	None None	CDFW_SSC-Species of Special Concern USFWS_BCC-Birds of Conservation Concern	7,400 7,400	78 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Sidalcea keckii</i> Keck's checkerbloom	G2 S2	Endangered None	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	800 912	50 S:2	2	0	0	0	0	0	0	2	2	0	0
<i>Spea hammondi</i> western spadefoot	G3 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened	157 1,000	1409 S:47	5	13	8	2	1	18	13	34	46	1	0
<i>Sphenopholis obtusata</i> prairie wedge grass	G5 S2	None None	Rare Plant Rank - 2B.2	6,800 7,680	19 S:2	0	0	0	0	0	2	1	1	2	0	0
<i>Streptanthus fenestratus</i> Tehipite Valley jewelflower	G2 S2	None None	Rare Plant Rank - 1B.1 USFS_S-Sensitive	3,490 5,800	11 S:11	2	5	0	0	0	4	11	0	11	0	0



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<i>Streptanthus gracilis</i> alpine jewelflower	G3 S3	None None	Rare Plant Rank - 1B.3 USFS_S-Sensitive	4,600 11,020	29 S:17	8	4	1	0	0	4	17	0	17	0	0
<i>Strix nebulosa</i> great gray owl	G5 S1	None Endangered	CDFW_S-Sensitive IUCN_LC-Least Concern USFS_S-Sensitive	4,710 7,500	79 S:7	2	1	1	0	0	3	2	5	7	0	0
<i>Sycamore Alluvial Woodland</i> Sycamore Alluvial Woodland	G1 S1.1	None None		360 620	17 S:2	0	0	2	0	0	0	2	0	2	0	0
<i>Talanites moodyae</i> Moody's gnaphosid spider	G1G2 S1S2	None None		600 900	6 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Tauschia howellii</i> Howell's tauschia	G2G3 S2S3	None None	Rare Plant Rank - 1B.3 USFS_S-Sensitive	8,000 8,000	6 S:1	0	1	0	0	0	0	0	1	1	0	0
<i>Taxidea taxus</i> American badger	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	160 10,500	594 S:13	1	3	0	0	0	9	10	3	13	0	0
<i>Thamnophis gigas</i> giant gartersnake	G2 S2	Threatened Threatened	IUCN_VU-Vulnerable	120 210	366 S:9	1	0	1	0	2	5	7	2	7	2	0
<i>Thamnophis hammondi</i> two-striped gartersnake	G4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive	160 4,600	184 S:4	3	0	0	0	0	1	4	0	4	0	0
<i>Toxostoma lecontei</i> Le Conte's thrasher	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	580 580	238 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Trifolium bolanderi</i> Bolander's clover	G3 S3	None None	Rare Plant Rank - 1B.2 SB_USDA-US Dept of Agriculture USFS_S-Sensitive	7,100 7,200	32 S:6	0	4	1	0	0	1	6	0	6	0	0



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<i>Tropidocarpum capparideum</i> caper-fruited tropidocarpum	G1 S1	None None	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive		18 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Tuctoria greenei</i> Greene's tuctoria	G1 S1	Endangered Rare	Rare Plant Rank - 1B.1	385 405	50 S:3	0	0	0	0	3	0	3	0	0	0	3
<i>Utricularia intermedia</i> flat-leaved bladderwort	G5 S3	None None	Rare Plant Rank - 2B.2	7,150 8,700	29 S:5	0	0	0	0	0	5	4	1	5	0	0
<i>Valley Needlegrass Grassland</i> Valley Needlegrass Grassland	G3 S3.1	None None		3,300 3,300	45 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Valley Sink Scrub</i> Valley Sink Scrub	G1 S1.1	None None		160 160	29 S:1	1	0	0	0	0	0	1	0	1	0	0
<i>Viburnum ellipticum</i> oval-leaved viburnum	G4G5 S3?	None None	Rare Plant Rank - 2B.3	3,300 3,600	39 S:3	0	0	0	0	0	3	2	1	3	0	0
<i>Viola pinetorum ssp. grisea</i> grey-leaved violet	G4G5T3 S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	5,700 12,140	90 S:6	0	0	0	0	0	6	5	1	6	0	0
<i>Vireo bellii pusillus</i> least Bell's vireo	G5T2 S2	Endangered Endangered	IUCN_NT-Near Threatened NABCI_YWL-Yellow Watch List	345 360	503 S:2	0	0	0	0	2	0	2	0	0	2	0
<i>Vulpes macrotis mutica</i> San Joaquin kit fox	G4T2 S2	Endangered Threatened		135 2,600	1018 S:81	3	8	2	3	0	65	77	4	81	0	0
<i>Vulpes vulpes necator</i> Sierra Nevada red fox	G5T1T2 S1	Proposed Endangered Threatened	USFS_S-Sensitive	1,000 10,400	201 S:31	1	1	0	0	17	12	31	0	14	17	0
<i>Xanthocephalus xanthocephalus</i> yellow-headed blackbird	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	331 331	13 S:1	0	0	0	1	0	0	0	1	1	0	0