

**Appendix C:
Biological Resources Supporting Information**

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Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad (San Bernardino South (3411713) OR Devore (3411724) OR San Bernardino North (3411723) OR Harrison Mtn. (3411722) OR Fontana (3411714) OR Redlands (3411712) OR Riverside West (3311784) OR Riverside East (3311783) OR Sunnymead (3311782))

Table with 7 columns: Species, Element Code, Federal Status, State Status, Global Rank, State Rank, Rare Plant Rank/CDFW SSC or FP. Rows include species like Accipiter cooperii, Actinemys pallida, Agelaius tricolor, etc.



Selected Elements by Scientific Name
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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Bombus crotchii</i> Crotch's bumble bee	IIHYM24480	None	Candidate Endangered	G2	S2	
<i>Bombus morrisoni</i> Morrison bumble bee	IIHYM24460	None	None	G3	S1S2	
<i>Bombus pensylvanicus</i> American bumble bee	IIHYM24260	None	None	G3G4	S2	
<i>Brodiaea filifolia</i> thread-leaved brodiaea	PMLIL0C050	Threatened	Endangered	G2	S2	1B.1
<i>Buteo regalis</i> ferruginous hawk	ABNKC19120	None	None	G4	S3S4	WL
<i>Buteo swainsoni</i> Swainson's hawk	ABNKC19070	None	Threatened	G5	S4	
<i>Calochortus palmeri var. palmeri</i> Palmer's mariposa-lily	PMLIL0D122	None	None	G3T2	S2	1B.2
<i>Calochortus plummerae</i> Plummer's mariposa-lily	PMLIL0D150	None	None	G4	S4	4.2
<i>Carex comosa</i> bristly sedge	PMCYP032Y0	None	None	G5	S2	2B.1
<i>Castilleja lasiorhyncha</i> San Bernardino Mountains owl's-clover	PDSCR0D410	None	None	G2?	S2?	1B.2
<i>Catostomus santaanae</i> Santa Ana sucker	AFCJC02190	Threatened	None	G1	S1	SSC
<i>Centromadia pungens ssp. laevis</i> smooth tarplant	PDAST4R0R4	None	None	G3G4T2	S2	1B.1
<i>Ceratochrysis longimala</i> Desert cuckoo wasp	IIHYM71040	None	None	G1	S1	
<i>Chaetodipus fallax fallax</i> northwestern San Diego pocket mouse	AMAFD05031	None	None	G5T3T4	S3S4	
<i>Chaetodipus fallax pallidus</i> pallid San Diego pocket mouse	AMAFD05032	None	None	G5T3T4	S3S4	
<i>Charina umbratica</i> southern rubber boa	ARADA01011	None	Threatened	G2G3	S2	
<i>Chloropyron maritimum ssp. maritimum</i> salt marsh bird's-beak	PDSCR0J0C2	Endangered	Endangered	G4?T1	S1	1B.2
<i>Chorizanthe parryi var. parryi</i> Parry's spineflower	PDPGN040J2	None	None	G3T2	S2	1B.1
<i>Chorizanthe xanti var. leucotheca</i> white-bracted spineflower	PDPGN040Z1	None	None	G4T3	S3	1B.2
<i>Cicindela tranquebarica viridissima</i> greenest tiger beetle	IICOL02201	None	None	G5T1	S1	
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	G5T2T3	S1	



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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Coleonyx variegatus abbotti</i> San Diego banded gecko	ARACD01031	None	None	G5T5	S1S2	SSC
<i>Coturnicops noveboracensis</i> yellow rail	ABNME01010	None	None	G4	S2	SSC
<i>Crotalus ruber</i> red-diamond rattlesnake	ARADE02090	None	None	G4	S3	SSC
<i>Cuscuta obtusiflora var. glandulosa</i> Peruvian dodder	PDCUS01111	None	None	G5T4?	SH	2B.2
<i>Diadophis punctatus modestus</i> San Bernardino ringneck snake	ARADB10015	None	None	G5T2T3	S2?	
<i>Dipodomys merriami parvus</i> San Bernardino kangaroo rat	AMAFD03143	Endangered	Endangered	G5T1	S1	SSC
<i>Dipodomys stephensi</i> Stephens' kangaroo rat	AMAFD03100	Threatened	Threatened	G2	S3	
<i>Dodecahema leptoceras</i> slender-horned spineflower	PDPGN0V010	Endangered	Endangered	G1	S1	1B.1
<i>Empidonax traillii extimus</i> southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	G5T2	S3	
<i>Eremophila alpestris actia</i> California horned lark	ABPAT02011	None	None	G5T4Q	S4	WL
<i>Eriastrum densifolium ssp. sanctorum</i> Santa Ana River woollystar	PDPLM03035	Endangered	Endangered	G4T1	S1	1B.1
<i>Euchloe hyantis andrewsi</i> Andrew's marble butterfly	IILEPA5032	None	None	G3G4T2	S2	
<i>Eugnosta busckana</i> Busck's gallmoth	IILEM2X090	None	None	G1G3	S2S3	
<i>Eumops perotis californicus</i> western mastiff bat	AMACD02011	None	None	G4G5T4	S3S4	SSC
<i>Euphydryas editha quino</i> quino checkerspot butterfly	IILEPK405L	Endangered	None	G4G5T1T2	S1S2	
<i>Falco columbarius</i> merlin	ABNKD06030	None	None	G5	S3S4	WL
<i>Fimbristylis thermalis</i> hot springs fimbristylis	PMCYP0B0N0	None	None	G4	S1S2	2B.2
<i>Galium californicum ssp. primum</i> Alvin Meadow bedstraw	PDRUB0N0E6	None	None	G5T2	S2	1B.2
<i>Gila orcuttii</i> arroyo chub	AFCJB13120	None	None	G2	S2	SSC
<i>Glaucomys oregonensis californicus</i> San Bernardino flying squirrel	AMAFB09021	None	None	G5T1T2	S1S2	SSC
<i>Haliaeetus leucocephalus</i> bald eagle	ABNKC10010	Delisted	Endangered	G5	S3	FP



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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Helianthus nuttallii</i> ssp. <i>parishii</i> Los Angeles sunflower	PDAST4N102	None	None	G5TX	SX	1A
<i>Heuchera parishii</i> Parish's alumroot	PDSAX0E1F0	None	None	G3	S3	1B.3
<i>Horkelia cuneata</i> var. <i>puberula</i> mesa horkelia	PDROS0W045	None	None	G4T1	S1	1B.1
<i>Icteria virens</i> yellow-breasted chat	ABPBX24010	None	None	G5	S4	SSC
<i>Imperata brevifolia</i> California satintail	PMPOA3D020	None	None	G3	S3	2B.1
<i>Ivesia argyrocoma</i> var. <i>argyrocoma</i> silver-haired ivesia	PDROS0X021	None	None	G2T2	S2	1B.2
<i>Lanius ludovicianus</i> loggerhead shrike	ABPBR01030	None	None	G4	S4	SSC
<i>Lasiurus xanthinus</i> western yellow bat	AMACC05070	None	None	G4G5	S3	SSC
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i> Coulter's goldfields	PDAST5L0A1	None	None	G4T2	S2	1B.1
<i>Laterallus jamaicensis coturniculus</i> California black rail	ABNME03041	None	Threatened	G3T1	S2	FP
<i>Lepidium virginicum</i> var. <i>robinsonii</i> Robinson's pepper-grass	PDBRA1M114	None	None	G5T3	S3	4.3
<i>Lepus californicus bennettii</i> San Diego black-tailed jackrabbit	AMAEB03051	None	None	G5T3T4	S3S4	
<i>Lilium parryi</i> lemon lily	PMLIL1A0J0	None	None	G3	S3	1B.2
<i>Lycium parishii</i> Parish's desert-thorn	PDSOLOG0D0	None	None	G4	S1	2B.3
<i>Malacothamnus parishii</i> Parish's bushmallow	PDMAL0Q0C0	None	None	GXQ	SX	1A
<i>Monardella macrantha</i> ssp. <i>hallii</i> Hall's monardella	PDLAM180E1	None	None	G5T3	S3	1B.3
<i>Monardella pringlei</i> Pringle's monardella	PDLAM180J0	None	None	GX	SX	1A
<i>Nasturtium gambelii</i> Gambel's water cress	PDBRA270V0	Endangered	Threatened	G1	S1	1B.1
<i>Neolarra alba</i> white cuckoo bee	IIHYM81010	None	None	GH	SH	
<i>Neotoma lepida intermedia</i> San Diego desert woodrat	AMAFF08041	None	None	G5T3T4	S3S4	SSC
<i>Nyctinomops femorosaccus</i> pocketed free-tailed bat	AMACD04010	None	None	G5	S3	SSC



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<i>Oncorhynchus mykiss irideus pop. 10</i> steelhead - southern California DPS	AFCHA0209J	Endangered	Candidate Endangered	G5T1Q	S1	
<i>Onychomys torridus ramona</i> southern grasshopper mouse	AMAFF06022	None	None	G5T3	S3	SSC
<i>Opuntia basilaris var. brachyclada</i> short-joint beavertail	PDCAC0D053	None	None	G5T3	S3	1B.2
<i>Pelazoneuron puberulum var. sonorensis</i> Sonoran maiden fern	PPTHE05192	None	None	G5T4	S2	2B.2
<i>Perideridia parishii ssp. parishii</i> Parish's yampah	PDAPI1N0C2	None	None	G4T3T4	S2	2B.2
<i>Perognathus alticola alticola</i> white-eared pocket mouse	AMAFD01081	None	None	G2TH	SH	SSC
<i>Perognathus longimembris brevinasus</i> Los Angeles pocket mouse	AMAFD01041	None	None	G5T2	S1S2	SSC
<i>Phacelia stellaris</i> Brand's star phacelia	PDHYD0C510	None	None	G1	S1	1B.1
<i>Phrynosoma blainvillii</i> coast horned lizard	ARACF12100	None	None	G4	S4	SSC
<i>Poliophtila californica californica</i> coastal California gnatcatcher	ABPBJ08081	Threatened	None	G4G5T3Q	S2	SSC
<i>Rana draytonii</i> California red-legged frog	AAABH01022	Threatened	None	G2G3	S2S3	SSC
<i>Rana muscosa</i> southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	G1	S2	WL
<i>Rhaphiomidas terminatus abdominalis</i> Delhi Sands flower-loving fly	IIDIP05021	Endangered	None	G1T1	S1	
<i>Rhinichthys osculus ssp. 8</i> Santa Ana speckled dace	AFCJB3705K	None	None	G5T1	S1	SSC
<i>Ribes divaricatum var. parishii</i> Parish's gooseberry	PDGRO020F3	None	None	G5TX	SX	1A
<i>Riversidian Alluvial Fan Sage Scrub</i> Riversidian Alluvial Fan Sage Scrub	CTT32720CA	None	None	G1	S1.1	
<i>Salvadora hexalepis virgultea</i> coast patch-nosed snake	ARADB30033	None	None	G5T4	S3	SSC
<i>Schoenus nigricans</i> black bog-rush	PMCYP0P010	None	None	G4	S2	2B.2
<i>Senecio aphanactis</i> chaparral ragwort	PDAST8H060	None	None	G3	S2	2B.2
<i>Setophaga petechia</i> yellow warbler	ABPBX03010	None	None	G5	S3	SSC
<i>Sidalcea malviflora ssp. dolosa</i> Bear Valley checkerbloom	PDMAL110FH	None	None	G4G5T2	S2	1B.2



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<i>Sidalcea neomexicana</i> salt spring checkerbloom	PDMAL110J0	None	None	G4	S2	2B.2
<i>Southern California Arroyo Chub/Santa Ana Sucker Stream</i> Southern California Arroyo Chub/Santa Ana Sucker Stream	CARE2330CA	None	None	GNR	SNR	
<i>Southern Coast Live Oak Riparian Forest</i> Southern Coast Live Oak Riparian Forest	CTT61310CA	None	None	G4	S4	
<i>Southern Cottonwood Willow Riparian Forest</i> Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	G3	S3.2	
<i>Southern Mixed Riparian Forest</i> Southern Mixed Riparian Forest	CTT61340CA	None	None	G2	S2.1	
<i>Southern Riparian Forest</i> Southern Riparian Forest	CTT61300CA	None	None	G4	S4	
<i>Southern Riparian Scrub</i> Southern Riparian Scrub	CTT63300CA	None	None	G3	S3.2	
<i>Southern Sycamore Alder Riparian Woodland</i> Southern Sycamore Alder Riparian Woodland	CTT62400CA	None	None	G4	S4	
<i>Southern Willow Scrub</i> Southern Willow Scrub	CTT63320CA	None	None	G3	S2.1	
<i>Spea hammondi</i> western spadefoot	AAABF02020	Proposed Threatened	None	G2G3	S3S4	SSC
<i>Sphenopholis obtusata</i> prairie wedge grass	PMPOA5T030	None	None	G5	S2	2B.2
<i>Spinus lawrencei</i> Lawrence's goldfinch	ABPBY06100	None	None	G3G4	S4	
<i>Streptanthus bernardinus</i> Laguna Mountains jewelflower	PDBRA2G060	None	None	G3G4	S3S4	4.3
<i>Streptanthus campestris</i> southern jewelflower	PDBRA2G0B0	None	None	G3	S3	1B.3
<i>Streptocephalus woottoni</i> Riverside fairy shrimp	ICBRA07010	Endangered	None	G1G2	S2	
<i>Symphotrichum defoliatum</i> San Bernardino aster	PDASTE80C0	None	None	G2	S2	1B.2
<i>Taxidea taxus</i> American badger	AMAJF04010	None	None	G5	S3	SSC
<i>Thamnophis hammondi</i> two-striped gartersnake	ARADB36160	None	None	G4	S3S4	SSC
<i>Thamnophis sirtalis pop. 1</i> south coast gartersnake	ARADB3613F	None	None	G5T1T2	S1S2	SSC
<i>Vireo bellii pusillus</i> least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S3	

Record Count: 122



CNPS Rare Plant Inventory

Search Results

77 matches found. Click on scientific name for details

Search Criteria: Quad is one of [3411713:3411724:3411723:3411722:3411714:3411712:3311784:3311783:3311782]

▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	BLOOMING PERIOD	FED LIST	STATE LIST	STATE RANK	CA RARE PLANT RANK	CA ENDEMIC	DATE ADDED
<u><i>Abronia villosa</i> var. <i>aurita</i></u>	chaparral sand-verbena	Nyctaginaceae	(Jan)Mar-Sep	None	None	S2	1B.1		2001-01-01
<u><i>Acanthoscyphus parishii</i> var. <i>parishii</i></u>	Parish's oxytheca	Polygonaceae	Jun-Sep	None	None	S3S4	4.2	Yes	2007-04-05
<u><i>Allium howellii</i> var. <i>clokeyi</i></u>	Mt. Pinos onion	Alliaceae	Apr-Jun	None	None	S2	1B.3	Yes	1974-01-01
<u><i>Ambrosia monogyra</i></u>	singlewhorl burrobrush	Asteraceae	Aug-Nov	None	None	S2	2B.2		2007-02-21
<u><i>Ambrosia pumila</i></u>	San Diego ambrosia	Asteraceae	Apr-Oct	FE	None	S1	1B.1		1974-01-01
<u><i>Arenaria paludicola</i></u>	marsh sandwort	Caryophyllaceae	May-Aug	FE	CE	S1	1B.1		1984-01-01
<u><i>Artemisia palmeri</i></u>	San Diego sagewort	Asteraceae	(Feb)May-Sep	None	None	S3?	4.2		1974-01-01
<u><i>Asplenium vespertinum</i></u>	western spleenwort	Aspleniaceae	Feb-Jun	None	None	S4	4.2		1974-01-01
<u><i>Astragalus hornii</i> var. <i>hornii</i></u>	Horn's milk-vetch	Fabaceae	May-Oct	None	None	S1	1B.1		2006-12-01
<u><i>Berberis nevini</i></u>	Nevin's barberry	Berberidaceae	(Feb)Mar-Jun	FE	CE	S1	1B.1	Yes	1980-01-01
<u><i>Brodiaea filifolia</i></u>	thread-leaved brodiaea	Themidaceae	Mar-Jun	FT	CE	S2	1B.1	Yes	1974-01-01
<u><i>Calochortus catalinae</i></u>	Catalina mariposa lily	Liliaceae	(Feb)Mar-Jun	None	None	S3S4	4.2	Yes	1974-01-01
<u><i>Calochortus palmeri</i> var. <i>palmeri</i></u>	Palmer's mariposa-lily	Liliaceae	Apr-Jul	None	None	S2	1B.2	Yes	1994-01-01
<u><i>Calochortus plummerae</i></u>	Plummer's mariposa-lily	Liliaceae	May-Jul	None	None	S4	4.2	Yes	1994-01-01
<u><i>Calochortus simulans</i></u>	La Panza mariposa-lily	Liliaceae	Apr-Jun	None	None	S2	1B.3	Yes	1980-01-01
<u><i>Carex comosa</i></u>	bristly sedge	Cyperaceae	May-Sep	None	None	S2	2B.1		1994-01-01
<u><i>Castilleja lasiorhyncha</i></u>	San Bernardino Mountains owl's-clover	Orobanchaceae	May-Aug	None	None	S2?	1B.2	Yes	1980-01-01

<i>Caulanthus simulans</i>	Payson's jewelflower	Brassicaceae	(Feb)Mar-May(Jun)	None	None	S4	4.2	Yes	1974-01-01
<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant	Asteraceae	Apr-Sep	None	None	S2	1B.1	Yes	1994-01-01
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	salt marsh bird's-beak	Orobanchaceae	May-Oct(Nov)	FE	CE	S1	1B.2		1974-01-01
<i>Chorizanthe leptotheca</i>	Peninsular spineflower	Polygonaceae	May-Aug	None	None	S3	4.2		1994-01-01
<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower	Polygonaceae	Apr-Jun	None	None	S2	1B.1	Yes	1994-01-01
<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	white-bracted spineflower	Polygonaceae	Apr-Jun	None	None	S3	1B.2	Yes	1994-01-01
<i>Convolvulus simulans</i>	small-flowered morning-glory	Convolvulaceae	Mar-Jul	None	None	S4	4.2		1994-01-01
<i>Cryptantha incana</i>	Tulare cryptantha	Boraginaceae	Jun-Aug	None	None	S2	1B.3	Yes	1974-01-01
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	Peruvian dodder	Convolvulaceae	Jul-Oct	None	None	SH	2B.2		2011-08-24
<i>Deinandra paniculata</i>	paniculate tarplant	Asteraceae	(Mar)Apr-Nov	None	None	S4	4.2		2001-01-01
<i>Dodecahema leptoceras</i>	slender-horned spineflower	Polygonaceae	Apr-Jun	FE	CE	S1	1B.1	Yes	1980-01-01
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Santa Ana River woollystar	Polemoniaceae	Apr-Sep	FE	CE	S1	1B.1	Yes	1980-01-01
<i>Eriophyllum lanatum</i> var. <i>obovatum</i>	southern Sierra woolly sunflower	Asteraceae	Jun-Jul	None	None	S4	4.3	Yes	1974-01-01
<i>Fimbristylis thermalis</i>	hot springs fimbristylis	Cyperaceae	Jul-Sep	None	None	S1S2	2B.2		1980-01-01
<i>Frasera neglecta</i>	pine green-gentian	Gentianaceae	May-Jul	None	None	S4	4.3	Yes	1980-01-01
<i>Fritillaria pinetorum</i>	pine fritillary	Liliaceae	May-Jul(Sep)	None	None	S4	4.3	Yes	2001-01-01
<i>Galium californicum</i> ssp. <i>primum</i>	Alvin Meadow bedstraw	Rubiaceae	May-Jul	None	None	S2	1B.2	Yes	1974-01-01
<i>Galium jepsonii</i>	Jepson's bedstraw	Rubiaceae	Jul-Aug	None	None	S3	4.3	Yes	1974-01-01
<i>Galium johnstonii</i>	Johnston's bedstraw	Rubiaceae	Jun-Jul	None	None	S4	4.3	Yes	1974-01-01
<i>Helianthus nuttallii</i> ssp. <i>parishii</i>	Los Angeles sunflower	Asteraceae	Aug-Oct	None	None	SX	1A	Yes	1974-01-01
<i>Heuchera caespitosa</i>	urn-flowered alumroot	Saxifragaceae	May-Aug	None	None	S3	4.3	Yes	1974-01-01
<i>Heuchera parishii</i>	Parish's alumroot	Saxifragaceae	Jun-Aug	None	None	S3	1B.3	Yes	1974-01-01
<i>Hordeum intercedens</i>	vernal barley	Poaceae	Mar-Jun	None	None	S3S4	3.2		1994-01-01

<u><i>Horkelia cuneata</i> var. <i>puberula</i></u>	mesa horkelia	Rosaceae	Feb-Jul(Sep)	None	None	S1	1B.1	Yes	2001-01-01
<u><i>Hulsea vestita</i> ssp. <i>parryi</i></u>	Parry's sunflower	Asteraceae	Apr-Aug	None	None	S4	4.3	Yes	1994-01-01
<u><i>Imperata brevifolia</i></u>	California satintail	Poaceae	Sep-May	None	None	S3	2B.1		2006-12-26
<u><i>Ivesia argyrocoma</i> var. <i>argyrocoma</i></u>	silver-haired ivesia	Rosaceae	Jun-Aug	None	None	S2	1B.2	Yes	1974-01-01
<u><i>Juglans californica</i></u>	Southern California black walnut	Juglandaceae	Mar-Aug	None	None	S4	4.2	Yes	1994-01-01
<u><i>Juncus duranii</i></u>	Duran's rush	Juncaceae	Jul-Aug	None	None	S3	4.3	Yes	1974-01-01
<u><i>Lasthenia glabrata</i> ssp. <i>coulteri</i></u>	Coulter's goldfields	Asteraceae	Feb-Jun	None	None	S2	1B.1		1994-01-01
<u><i>Lepidium virginicum</i> var. <i>robinsonii</i></u>	Robinson's pepper-grass	Brassicaceae	Jan-Jul	None	None	S3	4.3		1994-01-01
<u><i>Lilium humboldtii</i> ssp. <i>ocellatum</i></u>	ocellated Humboldt lily	Liliaceae	Mar-Jul(Aug)	None	None	S4?	4.2	Yes	1980-01-01
<u><i>Lilium parryi</i></u>	lemon lily	Liliaceae	Jul-Aug	None	None	S3	1B.2		1974-01-01
<u><i>Lycium parishii</i></u>	Parish's desert-thorn	Solanaceae	Mar-Apr	None	None	S1	2B.3		1980-01-01
<u><i>Malacothamnus parishii</i></u>	Parish's bushmallow	Malvaceae	Jun-Jul	None	None	SX	1A	Yes	1974-01-01
<u><i>Monardella macrantha</i> ssp. <i>hallii</i></u>	Hall's monardella	Lamiaceae	Jun-Oct	None	None	S3	1B.3	Yes	1974-01-01
<u><i>Monardella pringlei</i></u>	Pringle's monardella	Lamiaceae	May-Jun	None	None	SX	1A	Yes	1974-01-01
<u><i>Monardella saxicola</i></u>	rock monardella	Lamiaceae	Jun-Sep	None	None	S3	4.2	Yes	1974-01-01
<u><i>Muhlenbergia californica</i></u>	California muhly	Poaceae	Jun-Sep	None	None	S4	4.3	Yes	1994-01-01
<u><i>Nasturtium gambelii</i></u>	Gambel's water cress	Brassicaceae	Apr-Oct	FE	CT	S1	1B.1		1980-01-01
<u><i>Opuntia basilaris</i> var. <i>brachyclada</i></u>	short-joint beavertail	Cactaceae	Apr-Jun(Aug)	None	None	S3	1B.2	Yes	1980-01-01
<u><i>Pelazoneuron puberulum</i> var. <i>sonorense</i></u>	Sonoran maiden fern	Thelypteridaceae	Jan-Sep	None	None	S2	2B.2		1994-01-01
<u><i>Perideridia parishii</i> ssp. <i>parishii</i></u>	Parish's yampah	Apiaceae	Jun-Aug	None	None	S2	2B.2		1974-01-01
<u><i>Phacelia mohavensis</i></u>	Mojave phacelia	Hydrophyllaceae	Apr-Aug	None	None	S4	4.3	Yes	1994-01-01
<u><i>Phacelia stellaris</i></u>	Brand's star phacelia	Hydrophyllaceae	Mar-Jun	None	None	S1	1B.1		1994-01-01
<u><i>Piperia leptopetala</i></u>	narrow-petaled rein orchid	Orchidaceae	May-Jul	None	None	S4	4.3	Yes	2001-01-01

<i>Quercus durata</i> var. <i>gabrielensis</i>	San Gabriel oak	Fagaceae	Apr-May	None	None	S3	4.2	Yes	2001-01-01
<i>Ribes divaricatum</i> var. <i>parishii</i>	Parish's gooseberry	Grossulariaceae	Feb-Apr	None	None	SX	1A	Yes	1988-01-01
<i>Romneya coulteri</i>	Coulter's matilija poppy	Papaveraceae	Mar-Jul(Aug)	None	None	S4	4.2		1974-01-01
<i>Schoenus nigricans</i>	black bog-rush	Cyperaceae	Aug-Sep	None	None	S2	2B.2		2001-01-01
<i>Senecio aphanactis</i>	chaparral ragwort	Asteraceae	Jan-Apr(May)	None	None	S2	2B.2		1994-01-01
<i>Senecio astephanus</i>	San Gabriel ragwort	Asteraceae	May-Jul	None	None	S3	4.3	Yes	2006-12-21
<i>Sidalcea malviflora</i> ssp. <i>dolosa</i>	Bear Valley checkerbloom	Malvaceae	May-Aug	None	None	S2	1B.2	Yes	2012-06-13
<i>Sidalcea neomexicana</i>	salt spring checkerbloom	Malvaceae	Mar-Jun	None	None	S2	2B.2		1994-01-01
<i>Sidotheca caryophylloides</i>	chickweed oxytheca	Polygonaceae	Jul-Sep(Oct)	None	None	S4	4.3	Yes	1980-01-01
<i>Sphenopholis obtusata</i>	prairie wedge grass	Poaceae	Apr-Jul	None	None	S2	2B.2		1974-01-01
<i>Streptanthus bernardinus</i>	Laguna Mountains jewelflower	Brassicaceae	May-Aug	None	None	S3S4	4.3	Yes	1980-01-01
<i>Streptanthus campestris</i>	southern jewelflower	Brassicaceae	(Apr)May-Jul	None	None	S3	1B.3		1994-01-01
<i>Symphotrichum</i> <i>defoliatum</i>	San Bernardino aster	Asteraceae	Jul-Nov	None	None	S2	1B.2	Yes	2004-01-01
<i>Yucca brevifolia</i>						CC	CBR		2011-12-13

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Suggested Citation:

California Native Plant Society, Rare Plant Program. 2024. Rare Plant Inventory (online edition, v9.5). Website <https://www.rareplants.cnps.org> [accessed 18 September 2024].

IPaC Information for Planning and Consultation U.S. Fish & Wildlife Service

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

San Bernardino County, California



Local office

Carlsbad Fish And Wildlife Office

☎ (760) 431-9440

📅 (760) 431-5901

2177 Salk Avenue - Suite 250

Carlsbad, CA 92008-7385

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [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.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
<p>San Bernardino Merriam's Kangaroo Rat <i>Dipodomys merriami parvus</i></p> <p>Wherever found</p> <p>There is final critical habitat for this species. Your location does not overlap the critical habitat.</p> <p>https://ecos.fws.gov/ecp/species/2060</p>	Endangered
<p>Stephens' Kangaroo Rat <i>Dipodomys stephensi</i> (incl. <i>D. cascus</i>)</p> <p>Wherever found</p> <p>No critical habitat has been designated for this species.</p> <p>https://ecos.fws.gov/ecp/species/3495</p>	Threatened

Birds

NAME	STATUS
<p>Coastal California Gnatcatcher <i>Polioptila californica californica</i></p> <p>Wherever found</p> <p>There is final critical habitat for this species. Your location does not overlap the critical habitat.</p> <p>https://ecos.fws.gov/ecp/species/8178</p>	Threatened

Least Bell's Vireo *Vireo bellii pusillus*

Endangered

Wherever found

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/5945>

Southwestern Willow Flycatcher *Empidonax traillii extimus*

Endangered

Wherever found

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/6749>

Reptiles

NAME

STATUS

Southwestern Pond Turtle *Actinemys pallida*

Proposed Threatened

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/4768>

Amphibians

NAME

STATUS

Western Spadefoot *Spea hammondi*

Proposed Threatened

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/5425>

Fishes

NAME

STATUS

Santa Ana Speckled Dace *Rhinichthys gabrielino*
 No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/4124>

Proposed Threatened

Santa Ana Sucker *Catostomus santaanae*
 There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
<https://ecos.fws.gov/ecp/species/3785>

Threatened

Insects

NAME

STATUS

Monarch Butterfly *Danaus plexippus*
 Wherever found
 No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/9743>

Candidate

Flowering Plants

NAME

STATUS

Gambel's Watercress *Rorippa gambellii*
 Wherever found
 No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/4201>

Endangered

Nevin's Barberry *Berberis nevinii*
 Wherever found
 There is **final** critical habitat for this species. Your location does not overlap the critical habitat.
<https://ecos.fws.gov/ecp/species/8025>

Endangered

San Diego Ambrosia *Ambrosia pumila*

Endangered

Wherever found

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/8287>

Santa Ana River Woolly-star *Eriastrum densifolium* ssp. *sanctorum*

Endangered

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/6575>

Slender-horned Spineflower *Dodecahema leptoceras*

Endangered

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/4007>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Bald and Golden Eagle information is not available at this time

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply). To see a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the [Eagle Act](#) should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Migratory bird information is not available at this time

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is

the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the [NWI map](#) to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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