

# Appendix B

## **Biological Resources**





Selected Elements by Scientific Name  
 California Department of Fish and Wildlife  
 California Natural Diversity Database



Query Criteria: Quad> IS <(Palo Alto (3712242))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Acanthomintha duttonii</i> San Mateo thorn-mint	PDLAM01040	Endangered	Endangered	G1	S1	1B.1
<i>Allium peninsulare</i> var. <i>franciscanum</i> Franciscan onion	PMLIL021R1	None	None	G5T2	S2	1B.2
<i>Ambystoma californiense</i> pop. 1 California tiger salamander - central California DPS	AAAAA01181	Threatened	Threatened	G2G3T3	S3	WL
<i>Amsinckia lunaris</i> bent-flowered fiddleneck	PDBOR01070	None	None	G3	S3	1B.2
<i>Aneides niger</i> Santa Cruz black salamander	AAAAD01070	None	None	G3	S3	SSC
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G4	S3	SSC
<i>Bombus caliginosus</i> obscure bumble bee	IIHYM24380	None	None	G2G3	S1S2	
<i>Bombus crotchii</i> Crotch bumble bee	IIHYM24480	None	None	G2	S1S2	
<i>Bombus occidentalis</i> western bumble bee	IIHYM24250	None	None	G2G3	S1	
<i>Centromadia parryi</i> ssp. <i>congdonii</i> Congdon's tarplant	PDAST4R0P1	None	None	G3T1T2	S1S2	1B.1
<i>Charadrius nivosus nivosus</i> western snowy plover	ABNNB03031	Threatened	None	G3T3	S2	SSC
<i>Cirsium fontinale</i> var. <i>fontinale</i> fountain thistle	PDAST2E161	Endangered	Endangered	G2T1	S1	1B.1
<i>Cirsium praeteriens</i> lost thistle	PDAST2E2B0	None	None	GX	SX	1A
<i>Collinsia corymbosa</i> round-headed Chinese-houses	PDSCR0H060	None	None	G1	S1	1B.2
<i>Collinsia multicolor</i> San Francisco collinsia	PDSCR0H0B0	None	None	G2	S2	1B.2
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	AMACC08010	None	None	G4	S2	SSC
<i>Coturnicops noveboracensis</i> yellow rail	ABNME01010	None	None	G4	S1S2	SSC
<i>Dicamptodon ensatus</i> California giant salamander	AAAAH01020	None	None	G3	S2S3	SSC
<i>Dipodomys venustus venustus</i> Santa Cruz kangaroo rat	AMAFD03042	None	None	G4T1	S1	
<i>Dirca occidentalis</i> western leatherwood	PDTHY03010	None	None	G2	S2	1B.2



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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<b><i>Emys marmorata</i></b> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<b><i>Eryngium aristulatum var. hooveri</i></b> Hoover's button-celery	PDAP10Z043	None	None	G5T1	S1	1B.1
<b><i>Eryngium jepsonii</i></b> Jepson's coyote-thistle	PDAP10Z130	None	None	G2	S2	1B.2
<b><i>Euphydryas editha bayensis</i></b> Bay checkerspot butterfly	IILEPK4055	Threatened	None	G5T1	S1	
<b><i>Fritillaria liliacea</i></b> fragrant fritillary	PMLIL0V0C0	None	None	G2	S2	1B.2
<b><i>Geothlypis trichas sinuosa</i></b> saltmarsh common yellowthroat	ABPBX1201A	None	None	G5T3	S3	SSC
<b><i>Haliaeetus leucocephalus</i></b> bald eagle	ABNKC10010	Delisted	Endangered	G5	S3	FP
<b><i>Hesperolinon congestum</i></b> Marin western flax	PDLIN01060	Threatened	Threatened	G1	S1	1B.1
<b><i>Lasiurus cinereus</i></b> hoary bat	AMACC05030	None	None	G3G4	S4	
<b><i>Laterallus jamaicensis coturniculus</i></b> California black rail	ABNME03041	None	Threatened	G3T1	S1	FP
<b><i>Linderiella occidentalis</i></b> California linderiella	ICBRA06010	None	None	G2G3	S2S3	
<b><i>Malacothamnus arcuatus</i></b> arcuate bush-mallow	PDMAL0Q0E0	None	None	G2Q	S2	1B.2
<b><i>Melospiza melodia pusillula</i></b> Alameda song sparrow	ABPBXA301S	None	None	G5T2?	S2S3	SSC
<b><i>Monolopia gracilens</i></b> woodland woollythreads	PDAST6G010	None	None	G3	S3	1B.2
<b><i>Neotoma fuscipes annectens</i></b> San Francisco dusky-footed woodrat	AMAFF08082	None	None	G5T2T3	S2S3	SSC
<b><i>Northern Coastal Salt Marsh</i></b> Northern Coastal Salt Marsh	CTT52110CA	None	None	G3	S3.2	
<b><i>Plagiobothrys chorisianus var. chorisianus</i></b> Choris' popcornflower	PDBOR0V061	None	None	G3T1Q	S1	1B.2
<b><i>Rallus obsoletus obsoletus</i></b> California Ridgway's rail	ABNME05011	Endangered	Endangered	G3T1	S1	FP
<b><i>Rana boylei</i></b> foothill yellow-legged frog	AAABH01050	None	Endangered	G3	S3	SSC
<b><i>Rana draytonii</i></b> California red-legged frog	AAABH01022	Threatened	None	G2G3	S2S3	SSC
<b><i>Reithrodontomys raviventris</i></b> salt-marsh harvest mouse	AMAFF02040	Endangered	Endangered	G1G2	S1S2	FP



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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<b><i>Sagittaria sanfordii</i></b> Sanford's arrowhead	PMALI040Q0	None	None	G3	S3	1B.2
<b><i>Serpentine Bunchgrass</i></b> Serpentine Bunchgrass	CTT42130CA	None	None	G2	S2.2	
<b><i>Sorex vagrans halicoetes</i></b> salt-marsh wandering shrew	AMABA01071	None	None	G5T1	S1	SSC
<b><i>Spirinchus thaleichthys</i></b> longfin smelt	AFCHB03010	Candidate	Threatened	G5	S1	
<b><i>Sternula antillarum browni</i></b> California least tern	ABNNM08103	Endangered	Endangered	G4T2T3Q	S2	FP
<b><i>Stuckenia filiformis ssp. alpina</i></b> northern slender pondweed	PMPOT03091	None	None	G5T5	S2S3	2B.2
<b><i>Taxidea taxus</i></b> American badger	AMAJF04010	None	None	G5	S3	SSC
<b><i>Thamnophis sirtalis tetrataenia</i></b> San Francisco gartersnake	ARADB3613B	Endangered	Endangered	G5T2Q	S2	FP
<b><i>Trifolium amoenum</i></b> two-fork clover	PDFAB40040	Endangered	None	G1	S1	1B.1
<b>Valley Oak Woodland</b> Valley Oak Woodland	CTT71130CA	None	None	G3	S2.1	

Record Count: 51

## CNPS Rare Plant Inventory



## Search Results

29 matches found. Click on scientific name for details

Search Criteria: Quad is one of [3712242]

▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	CA RARE PLANT RANK
<a href="#"><i>Acanthomintha duttonii</i></a>	San Mateo thorn-mint	Lamiaceae	annual herb	Apr-Jun	FE	CE	G1	S1	1B.1
<a href="#"><i>Allium peninsulare</i> var. <i>franciscanum</i></a>	Franciscan onion	Alliaceae	perennial bulbiferous herb	(Apr)May-Jun	None	None	G5T2	S2	1B.2
<a href="#"><i>Amsinckia lunaris</i></a>	bent-flowered fiddleneck	Boraginaceae	annual herb	Mar-Jun	None	None	G3	S3	1B.2
<a href="#"><i>Androsace elongata</i> ssp. <i>acuta</i></a>	California androsace	Primulaceae	annual herb	Mar-Jun	None	None	G5?T3T4	S3S4	4.2
<a href="#"><i>Calandrinia breweri</i></a>	Brewer's calandrinia	Montiaceae	annual herb	(Jan)Mar-Jun	None	None	G4	S4	4.2
<a href="#"><i>Centromadia parryi</i> ssp. <i>congdonii</i></a>	Congdon's tarplant	Asteraceae	annual herb	May-Oct(Nov)	None	None	G3T1T2	S1S2	1B.1
<a href="#"><i>Cirsium fontinale</i> var. <i>fontinale</i></a>	fountain thistle	Asteraceae	perennial herb	(Apr)May-Oct	FE	CE	G2T1	S1	1B.1
<a href="#"><i>Cirsium praeteriens</i></a>	lost thistle	Asteraceae	perennial herb	Jun-Jul	None	None	GX	SX	1A
<a href="#"><i>Collinsia corymbosa</i></a>	round-headed Chinese-houses	Plantaginaceae	annual herb	Apr-Jun	None	None	G1	S1	1B.2
<a href="#"><i>Collinsia multicolor</i></a>	San Francisco collinsia	Plantaginaceae	annual herb	(Feb)Mar-May	None	None	G2	S2	1B.2
<a href="#"><i>Dirca occidentalis</i></a>	western leatherwood	Thymelaeaceae	perennial deciduous shrub	Jan-Mar(Apr)	None	None	G2	S2	1B.2
<a href="#"><i>Eryngium aristulatum</i> var. <i>hooveri</i></a>	Hoover's button-celery	Apiaceae	annual/perennial herb	(Jun)Jul(Aug)	None	None	G5T1	S1	1B.1
<a href="#"><i>Eryngium jepsonii</i></a>	Jepson's coyote-thistle	Apiaceae	perennial herb	Apr-Aug	None	None	G2	S2	1B.2
<a href="#"><i>Fritillaria liliacea</i></a>	fragrant fritillary	Liliaceae	perennial bulbiferous herb	Feb-Apr	None	None	G2	S2	1B.2
<a href="#"><i>Hesperolinon congestum</i></a>	Marin western flax	Linaceae	annual herb	Apr-Jul	FT	CT	G1	S1	1B.1
<a href="#"><i>Iris longipetala</i></a>	coast iris	Iridaceae	perennial rhizomatous herb	Mar-May(Jun)	None	None	G3	S3	4.2
<a href="#"><i>Leptosiphon acicularis</i></a>	bristly leptosiphon	Polemoniaceae	annual herb	Apr-Jul	None	None	G4?	S4?	4.2
<a href="#"><i>Leptosiphon ambiguus</i></a>	serpentine leptosiphon	Polemoniaceae	annual herb	Mar-Jun	None	None	G4	S4	4.2
<a href="#"><i>Leptosiphon</i></a>	broad-lobed	Polemoniaceae	annual herb	Apr-Jun	None	None	G4	S4	4.3

<a href="#"><u>latisectus</u></a>	leptosiphon									
<a href="#"><u>Lessingia hololeuca</u></a>	woolly-headed lessingia	Asteraceae	annual herb	Jun-Oct	None	None	G2G3	S2S3	3	
<a href="#"><u>Lessingia tenuis</u></a>	spring lessingia	Asteraceae	annual herb	May-Jul	None	None	G4	S4	4.3	
<a href="#"><u>Malacothamnus arcuatus</u></a>	arcuate bush-mallow	Malvaceae	perennial deciduous shrub	Apr-Sep	None	None	G2Q	S2	1B.2	
<a href="#"><u>Monolopia gracilens</u></a>	woodland woollythreads	Asteraceae	annual herb	(Feb)Mar-Jul	None	None	G3	S3	1B.2	
<a href="#"><u>Piperia michaelii</u></a>	Michael's rein orchid	Orchidaceae	perennial herb	Apr-Aug	None	None	G3	S3	4.2	
<a href="#"><u>Plagiobothrys chorisianus</u></a> var. <a href="#"><u>chorisianus</u></a>	Choris' popcornflower	Boraginaceae	annual herb	Mar-Jun	None	None	G3T1Q	S1	1B.2	
<a href="#"><u>Plagiobothrys chorisianus</u></a> var. <a href="#"><u>hickmanii</u></a>	Hickman's popcornflower	Boraginaceae	annual herb	Apr-Jun	None	None	G3T3Q	S3	4.2	
<a href="#"><u>Sagittaria sanfordii</u></a>	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb (emergent)	May-Oct(Nov)	None	None	G3	S3	1B.2	
<a href="#"><u>Stuckenia filiformis</u></a> ssp. <a href="#"><u>alpina</u></a>	northern slender pondweed	Potamogetonaceae	perennial rhizomatous herb (aquatic)	May-Jul	None	None	G5T5	S2S3	2B.2	
<a href="#"><u>Trifolium amoenum</u></a>	two-fork clover	Fabaceae	annual herb	Apr-Jun	FE	None	G1	S1	1B.1	

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