

Appendix F

Biological Resources – Supporting Documentation

Suncrest Dynamic Reactive Power Support Project

IPaC Trust Resources Report

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This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.



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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

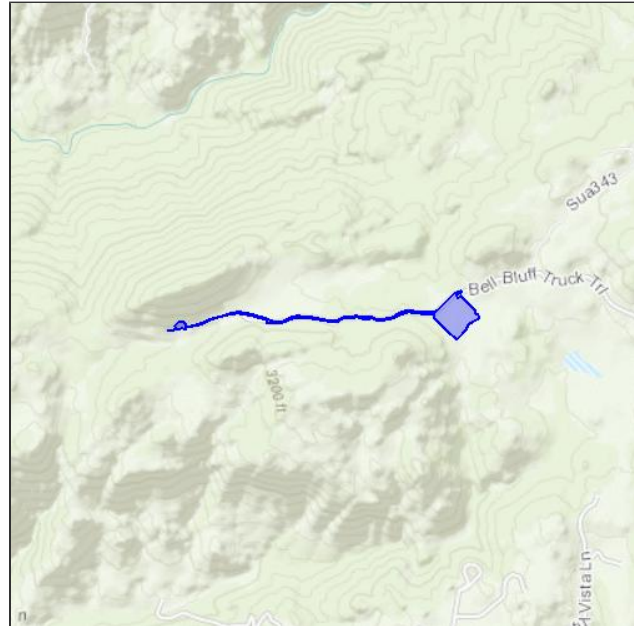
Suncrest Dynamic Reactive Power
Support Project

LOCATION

San Diego County, California

IPAC LINK

[https://ecos.fws.gov/ipac/project/
4IZSQ-2TDX5-FMPN4-HAK4P-TTC52Q](https://ecos.fws.gov/ipac/project/4IZSQ-2TDX5-FMPN4-HAK4P-TTC52Q)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

Carlsbad Fish And Wildlife Office

2177 Salk Avenue - Suite 250

Carlsbad, CA 92008-7385

(760) 431-9440

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Amphibians

Arroyo (=arroyo Southwestern) Toad *Anaxyrus californicus*

Endangered

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=D020

Birds

California Condor *Gymnogyps californianus* Endangered

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B002

Coastal California Gnatcatcher *Poliophtila californica californica* Threatened

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B08X

Least Bell's Vireo *Vireo bellii pusillus* Endangered

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B067

Southwestern Willow Flycatcher *Empidonax traillii extimus* Endangered

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B094

Flowering Plants

San Diego Thornmint *Acanthomintha ilicifolia* Threatened

CRITICAL HABITAT

There is **final** critical habitat designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=Q00E

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

- Birds of Conservation Concern
<http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

Bald Eagle *Haliaeetus leucocephalus*

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B008

Bird of conservation concern

Bell's Sparrow *Amphispiza belli*

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0HE

Bird of conservation concern

Bell's Vireo *Vireo bellii*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0JX

Bird of conservation concern

Black-chinned Sparrow *Spizella atrogularis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0IR

Bird of conservation concern

Brewer's Sparrow <i>Spizella breweri</i> Season: Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0HA	Bird of conservation concern
Burrowing Owl <i>Athene cunicularia</i> Season: Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0NC	Bird of conservation concern
Cactus Wren <i>Campylorhynchus brunneicapillus</i> Season: Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0FZ	Bird of conservation concern
California Spotted Owl <i>Strix occidentalis occidentalis</i> Season: Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B08L	Bird of conservation concern
Costa's Hummingbird <i>Calypte costae</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0JE	Bird of conservation concern
Fox Sparrow <i>Passerella iliaca</i> Season: Wintering	Bird of conservation concern
Green-tailed Towhee <i>Pipilo chlorurus</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0IO	Bird of conservation concern
Lawrence's Goldfinch <i>Carduelis lawrencei</i> Season: Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0J8	Bird of conservation concern
Least Bittern <i>Ixobrychus exilis</i> Season: Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B092	
Lewis's Woodpecker <i>Melanerpes lewis</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0HQ	Bird of conservation concern
Long-billed Curlew <i>Numenius americanus</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B06S	Bird of conservation concern
Marbled Godwit <i>Limosa fedoa</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B0JL	Bird of conservation concern
Mountain Plover <i>Charadrius montanus</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=B078	Bird of conservation concern

Nuttall's Woodpecker <i>Picoides nuttallii</i>	Bird of conservation concern
Season: Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HT	
Oak Titmouse <i>Baeolophus inornatus</i>	Bird of conservation concern
Season: Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MJ	
Olive-sided Flycatcher <i>Contopus cooperi</i>	Bird of conservation concern
Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN	
Peregrine Falcon <i>Falco peregrinus</i>	Bird of conservation concern
Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU	
Red-crowned Parrot <i>Amazona viridigenalis</i>	Bird of conservation concern
Season: Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0GO	
Rufous-crowned Sparrow <i>Aimophila ruficeps</i>	Bird of conservation concern
Season: Year-round http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MX	
Sage Thrasher <i>Oreoscoptes montanus</i>	Bird of conservation concern
Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0ID	
Short-billed Dowitcher <i>Limnodromus griseus</i>	Bird of conservation concern
Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JK	
Western Grebe <i>aechmophorus occidentalis</i>	Bird of conservation concern
Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0EA	
Williamson's Sapsucker <i>Sphyrapicus thyroideus</i>	Bird of conservation concern
Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FX	

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

Wetlands in the National Wetlands Inventory

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](#).

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.

This location overlaps all or part of the following wetlands:

Riverine

[R4SBA](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>



Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad (Alpine (3211677) OR Barrett Lake (3211666) OR Cuyamaca Peak (3211685) OR Descanso (3211675) OR Dulzura (3211667) OR El Cajon Mtn. (3211687) OR Morena Reservoir (3211665) OR Tule Springs (3211686) OR Viejas Mountain (3211676))

Suncrest Dynamic Reactive Power Support Project

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Acanthomintha ilicifolia</i> San Diego thorn-mint	PDLAM01010	Threatened	Endangered	G1	S1	1B.1
<i>Accipiter cooperii</i> Cooper's hawk	ABNKC12040	None	None	G5	S4	WL
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	None	G2G3	S1S2	SSC
<i>Aimophila ruficeps canescens</i> southern California rufous-crowned sparrow	ABPBX91091	None	None	G5T3	S2S3	WL
<i>Ambrosia monogyra</i> singlewhorl burrobrush	PDAST50010	None	None	G5	S2	2B.2
<i>Anaxyrus californicus</i> arroyo toad	AAABB01230	Endangered	None	G2G3	S2S3	SSC
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G5	S3	SSC
<i>Aquila chrysaetos</i> golden eagle	ABNKC22010	None	None	G5	S3	FP
<i>Arctostaphylos otayensis</i> Otay manzanita	PDERI040Y0	None	None	G2	S2	1B.2
<i>Artemisia palmeri</i> San Diego sagewort	PDAST0S160	None	None	G3G4	S3?	4.2
<i>Artemisiospiza belli belli</i> Bell's sage sparrow	ABPBX97021	None	None	G5T2T4	S2?	WL
<i>Aspidoscelis hyperythra</i> orangethroat whiptail	ARACJ02060	None	None	G5	S2S3	WL
<i>Aspidoscelis tigris stejnegeri</i> coastal whiptail	ARACJ02143	None	None	G5T5	S3	SSC
<i>Astragalus deanei</i> Dean's milk-vetch	PDFAB0F2R0	None	None	G1	S1	1B.1
<i>Astragalus douglasii var. perstrictus</i> Jacumba milk-vetch	PDFAB0F303	None	None	G5T2?	S2?	1B.2
<i>Astragalus oocarpus</i> San Diego milk-vetch	PDFAB0F6B0	None	None	G2?	S2?	1B.2
<i>Atriplex pacifica</i> south coast saltscale	PDCHE041C0	None	None	G4	S2	1B.2
<i>Baccharis vanessae</i> Encinitas baccharis	PDAST0W0P0	Threatened	Endangered	G1	S1	1B.1



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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Bloomeria clevelandii</i> San Diego goldenstar	PMLIL1H010	None	None	G2	S2	1B.1
<i>Boechera hirshbergiae</i> Hirshberg's rockcross	PDBRA064D0	None	None	G1Q	S1	1B.2
<i>Bombus crotchii</i> Crotch bumble bee	IIHYM24480	None	None	G3G4	S1S2	
<i>Brodiaea orcuttii</i> Orcutt's brodiaea	PMLIL0C0B0	None	None	G2	S2	1B.1
<i>Buteo swainsoni</i> Swainson's hawk	ABNKC19070	None	Threatened	G5	S3	
<i>California macrophylla</i> round-leaved filaree	PDGER01070	None	None	G3?	S3?	1B.2
<i>Callophrys thornei</i> Thorne's hairstreak	IILEPE2150	None	None	G1	S1	
<i>Calochortus dunnii</i> Dunn's mariposa-lily	PMLIL0D0C0	None	Rare	G2G3	S2S3	1B.2
<i>Caulanthus simulans</i> Payson's jewelflower	PDBRA0M0H0	None	None	G4	S4	4.2
<i>Ceanothus cyaneus</i> Lakeside ceanothus	PDRHA04070	None	None	G2	S2	1B.2
<i>Ceanothus otayensis</i> Otay Mountain ceanothus	PDRHA04430	None	None	G1G2	S1	1B.2
<i>Chaenactis parishii</i> Parish's chaenactis	PDAST200D0	None	None	G3G4	S3	1B.3
<i>Chaetodipus californicus femoralis</i> Dulzura pocket mouse	AMAFD05021	None	None	G5T3	S3	SSC
<i>Chaetodipus fallax fallax</i> northwestern San Diego pocket mouse	AMAFD05031	None	None	G5T3T4	S3S4	SSC
<i>Charina trivirgata</i> rosy boa	ARADA01020	None	None	G4G5	S3S4	
<i>Chorizanthe polygonoides var. longispina</i> long-spined spineflower	PDPGN040K1	None	None	G5T3	S3	1B.2
<i>Clarkia delicata</i> delicate clarkia	PDONA050D0	None	None	G3	S3	1B.2
<i>Clinopodium chandleri</i> San Miguel savory	PDLAM08030	None	None	G2	S2	1B.2
<i>Comarostaphylis diversifolia ssp. diversifolia</i> summer holly	PDERI0B011	None	None	G3T2	S2	1B.2
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	AMACC08010	None	Candidate Threatened	G3G4	S2	SSC
<i>Crotalus ruber</i> red-diamond rattlesnake	ARADE02090	None	None	G4	S3	SSC



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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Cylindropuntia californica</i> var. <i>californica</i> snake cholla	PDCAC0D2Y1	None	None	G3T2	S1	1B.1
<i>Deinandra conjugens</i> Otay tarplant	PDAST4R070	Threatened	Endangered	G1	S1	1B.1
<i>Deinandra floribunda</i> Tecate tarplant	PDAST4R0B0	None	None	G2	S2	1B.2
<i>Delphinium hesperium</i> ssp. <i>cuyamaca</i> Cuyamaca larkspur	PDRAN0B0U1	None	Rare	G4T2	S2	1B.2
<i>Downingia concolor</i> var. <i>brevior</i> Cuyamaca Lake downingia	PDCAM06041	None	Endangered	G4T1	S1	1B.1
<i>Dudleya variegata</i> variegated dudleya	PDCRA040R0	None	None	G2	S2	1B.2
<i>Empidonax traillii</i> <i>extimus</i> southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	G5T2	S1	
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Ericameria cuneata</i> var. <i>macrocephala</i> Laguna Mountains goldenbush	PDAST3L062	None	None	G5T3	S3	1B.3
<i>Ericameria palmeri</i> var. <i>palmeri</i> Palmer's goldenbush	PDAST3L0C1	None	None	G4T2?	S2	1B.1
<i>Eriogonum evanidum</i> vanishing wild buckwheat	PDPGN08780	None	None	G2	S1	1B.1
<i>Eumops perotis californicus</i> western mastiff bat	AMACD02011	None	None	G5T4	S3S4	SSC
<i>Euphorbia abramsiana</i> Abrams' spurge	PDEUP0D010	None	None	G4	S2	2B.2
<i>Euphydryas editha quino</i> quino checkerspot butterfly	IILEPK405L	Endangered	None	G5T1T2	S1S2	
<i>Falco mexicanus</i> prairie falcon	ABNKD06090	None	None	G5	S4	WL
<i>Ferocactus viridescens</i> San Diego barrel cactus	PDCAC08060	None	None	G3?	S2S3	2B.1
<i>Fraxinus parryi</i> chaparral ash	PDOLE040K0	None	None	G3?	S1	2B.2
<i>Fremontodendron mexicanum</i> Mexican flannelbush	PDSTE03020	Endangered	Rare	G1	S1	1B.1
<i>Geraea viscida</i> sticky geraea	PDAST42020	None	None	G3	S3	2B.3
<i>Githopsis diffusa</i> ssp. <i>filicaulis</i> Mission Canyon bluecup	PDCAM07023	None	None	G5T1Q	S1	3.1
<i>Grindelia hallii</i> San Diego gumplant	PDAST470D4	None	None	G2	S2	1B.2



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



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Halictus harmonius</i> harmonius halictid bee	IIHYM75010	None	None	G1	S1	
<i>Harpagonella palmeri</i> Palmer's grapplinghook	PDBOR0H010	None	None	G4	S3	4.2
<i>Helminthoglypta milleri</i> peak shoulderband	IMGASC2560	None	None	G1	S1	
<i>Hesperocyparis forbesii</i> Tecate cypress	PGCUP040C0	None	None	G2	S2	1B.1
<i>Hesperocyparis stephensonii</i> Cuyamaca cypress	PGCUP040B0	None	None	G1	S1	1B.1
<i>Heuchera brevistaminea</i> Laguna Mountains alumroot	PDSAX0E050	None	None	G3	S3	1B.3
<i>Heuchera rubescens var. versicolor</i> San Diego County alumroot	PDSAX0E106	None	None	G5T4	S2	3.3
<i>Horkelia truncata</i> Ramona horkelia	PDROS0W0G0	None	None	G3	S3	1B.3
<i>Hulsea californica</i> San Diego sunflower	PDAST4Z030	None	None	G3	S3	1B.3
<i>Isocoma menziesii var. decumbens</i> decumbent goldenbush	PDAST57091	None	None	G3G5T2T3	S2	1B.2
<i>Iva hayesiana</i> San Diego marsh-elder	PDAST580A0	None	None	G3?	S2	2B.2
<i>Juncus luciensis</i> Santa Lucia dwarf rush	PMJUN013J0	None	None	G3	S3	1B.2
<i>Lampropeltis zonata (pulchra)</i> California mountain kingsnake (San Diego population)	ARADB19063	None	None	G4G5	S1S2	WL
<i>Lasiurus blossevillii</i> western red bat	AMACC05060	None	None	G5	S3	SSC
<i>Lasiurus cinereus</i> hoary bat	AMACC05030	None	None	G5	S4	
<i>Lepechinia ganderi</i> Gander's pitcher sage	PDLAM0V040	None	None	G3?	S3	1B.3
<i>Lepidium virginicum var. robinsonii</i> Robinson's pepper-grass	PDBRA1M114	None	None	G5T3	S3	4.3
<i>Lewisia brachycalyx</i> short-sepaled lewisia	PDPOR04010	None	None	G4	S2	2B.2
<i>Lilium parryi</i> lemon lily	PMLIL1A0J0	None	None	G3	S3	1B.2
<i>Limnanthes alba ssp. parishii</i> Parish's meadowfoam	PDLIM02052	None	Endangered	G3T2T3	S2S3	1B.2
<i>Linanthus bellus</i> desert beauty	PDPLM09070	None	None	G2G3	S2	2B.1



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>Linanthus orcuttii</i> Orcutt's linanthus	PDPLM090X0	None	None	G3	S2	1B.3
<i>Lycaena hermes</i> Hermes copper butterfly	IILEPC1160	Candidate	None	G1	S1	
<i>Macrotus californicus</i> California leaf-nosed bat	AMACB01010	None	None	G4	S3	SSC
<i>Monardella hypoleuca ssp. lanata</i> felt-leaved monardella	PDLAM180A2	None	None	G4T3	S3	1B.2
<i>Myosurus minimus ssp. apus</i> little mousetail	PDRAN0H031	None	None	G5T2Q	S2	3.1
<i>Myotis ciliolabrum</i> western small-footed myotis	AMACC01140	None	None	G5	S3	
<i>Myotis evotis</i> long-eared myotis	AMACC01070	None	None	G5	S3	
<i>Myotis volans</i> long-legged myotis	AMACC01110	None	None	G5	S3	
<i>Myotis yumanensis</i> Yuma myotis	AMACC01020	None	None	G5	S4	
<i>Navarretia peninsularis</i> Baja navarretia	PDPLM0C0L0	None	None	G3	S2	1B.2
<i>Neotoma lepida intermedia</i> San Diego desert woodrat	AMAFF08041	None	None	G5T3T4	S3S4	SSC
<i>Nolina cismontana</i> chaparral nolina	PMAGA080E0	None	None	G3	S3	1B.2
<i>Nolina interrata</i> Dehesa nolina	PMAGA08070	None	Endangered	G2	S2	1B.1
<i>Nyctinomops femorosaccus</i> pocketed free-tailed bat	AMACD04010	None	None	G4	S3	SSC
<i>Packera ganderi</i> Gander's ragwort	PDAST8H1F0	None	Rare	G2	S2	1B.2
<i>Phrynosoma blainvillii</i> coast horned lizard	ARACF12100	None	None	G3G4	S3S4	SSC
<i>Plestiodon skiltonianus interparietalis</i> Coronado Island skink	ARACH01114	None	None	G5T2T3Q	S1S2	WL
<i>Poa atropurpurea</i> San Bernardino blue grass	PMPOA4Z0A0	Endangered	None	G2	S2	1B.2
<i>Polioptila californica californica</i> coastal California gnatcatcher	ABPBJ08081	Threatened	None	G4G5T2Q	S2	SSC
<i>Quercus dumosa</i> Nuttall's scrub oak	PDFAG050D0	None	None	G3	S3	1B.1
<i>Ribes canthariforme</i> Moreno currant	PDGRO02070	None	None	G2	S2	1B.3



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



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Rubus glaucifolius var. ganderi</i> Cuyamaca raspberry	PDR0S1K2N1	None	None	G5T1Q	S1	3.1
<i>Salvadora hexalepis virgultea</i> coast patch-nosed snake	ARADB30033	None	None	G5T4	S2S3	SSC
<i>Salvia munzii</i> Munz's sage	PDLAM1S140	None	None	G2	S2	2B.2
<i>Scutellaria bolanderi ssp. austromontana</i> southern mountains skullcap	PDLAM1U0A1	None	None	G4T3	S3	1B.2
<i>Selaginella eremophila</i> desert spike-moss	PPSEL010G0	None	None	G4	S2S3	2B.2
<i>Senna covesii</i> Cove's cassia	PDFAB491X0	None	None	G5	S3	2B.2
<i>Sibaropsis hammittii</i> Hammitt's clay-cress	PDBRA32010	None	None	G2	S2	1B.2
<i>Sidalcea neomexicana</i> Salt Spring checkerbloom	PDMAL110J0	None	None	G4	S2	2B.2
Southern Coast Live Oak Riparian Forest Southern Coast Live Oak Riparian Forest	CTT61310CA	None	None	G4	S4	
Southern Interior Cypress Forest Southern Interior Cypress Forest	CTT83230CA	None	None	G2	S2.1	
<i>Spea hammondii</i> western spadefoot	AAABF02020	None	None	G3	S3	SSC
<i>Sphenopholis obtusata</i> prairie wedge grass	PMPOA5T030	None	None	G5	S2	2B.2
<i>Stemodia durantifolia</i> purple stemodia	PDSCR1U010	None	None	G5	S2	2B.1
<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>Symphotrichum defoliatum</i> San Bernardino aster	PDASTE80C0	None	None	G2	S2	1B.2
<i>Taricha torosa</i> Coast Range newt	AAAAF02032	None	None	G4	S4	SSC
<i>Taxidea taxus</i> American badger	AMAJF04010	None	None	G5	S3	SSC
<i>Tetracoccus dioicus</i> Parry's tetracoccus	PDEUP1C010	None	None	G3?	S2	1B.2
<i>Thamnophis hammondii</i> two-striped gartersnake	ARADB36160	None	None	G4	S3S4	SSC
<i>Thermopsis californica var. semota</i> velvety false lupine	PDFAB3Z013	None	None	G4T2	S2	1B.2



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



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Vireo bellii pusillus</i> least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S2	

Record Count: 124

Plant List

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

Search Criteria

Found in 9 Quads around 32116G6

Scientific Name	Common Name	Family	Lifeform	Rare Plant Rank	State Rank	Global Rank
Acanthomintha ilicifolia	San Diego thorn-mint	Lamiaceae	annual herb	1B.1	S1	G1
Ambrosia monogyra	singlewhorl burrobrush	Asteraceae	perennial shrub	2B.2	S2	G5
Ambrosia pumila	San Diego ambrosia	Asteraceae	perennial rhizomatous herb	1B.1	S1	G1
Androsace elongata ssp. acuta	California androsace	Primulaceae	annual herb	4.2	S3S4	G5?T3T4
Arctostaphylos otayensis	Otay manzanita	Ericaceae	perennial evergreen shrub	1B.2	S2	G2
Artemisia palmeri	San Diego sagewort	Asteraceae	perennial deciduous shrub	4.2	S3?	G3G4
Asplenium vespertinum	western spleenwort	Aspleniaceae	perennial rhizomatous herb	4.2	S4	G4
Astragalus deanei	Dean's milk-vetch	Fabaceae	perennial herb	1B.1	S1	G1
Astragalus douglasii var. perstrictus	Jacumba milk-vetch	Fabaceae	perennial herb	1B.2	S2?	G5T2?
Astragalus oocarpus	San Diego milk-vetch	Fabaceae	perennial herb	1B.2	S2?	G2?
Atriplex pacifica	South Coast saltscale	Chenopodiaceae	annual herb	1B.2	S2	G4
Ayenia compacta	California ayenia	Malvaceae	perennial herb	2B.3	S3	G4
Baccharis vanessae	Encinitas baccharis	Asteraceae	perennial deciduous shrub	1B.1	S1	G1
Bloomeria clevelandii	San Diego goldenstar	Themidaceae	perennial bulbiferous herb	1B.1	S2	G2
Boechera hirshbergiae	Hirshberg's rockcress	Brassicaceae	perennial herb	1B.2	S1	G1Q
Brodiaea orcuttii	Orcutt's brodiaea	Themidaceae	perennial bulbiferous herb	1B.1	S2	G2
Calandrinia breweri	Brewer's calandrinia	Montiaceae	annual herb	4.2	S4	G4
California macrophylla	round-leaved filaree	Geraniaceae	annual herb	1B.2	S3?	G3?
Calochortus dunnii	Dunn's mariposa lily	Liliaceae	perennial bulbiferous herb	1B.2	S2S3	G2G3
Camissoniopsis lewisii	Lewis' evening-primrose	Onagraceae	annual herb	3	S4	G4
Carex obispoensis	San Luis Obispo sedge	Cyperaceae	perennial rhizomatous herb	1B.2	S2S3	G2G3
Caulanthus simulans	Payson's jewelflower	Brassicaceae	annual herb	4.2	S4	G4
Ceanothus cyaneus	Lakeside ceanothus	Rhamnaceae	perennial evergreen shrub	1B.2	S2	G2
Ceanothus otayensis	Otay Mountain ceanothus	Rhamnaceae	perennial evergreen shrub	1B.2	S1	G1G2

<u>Ceanothus verrucosus</u>	wart-stemmed ceanothus	Rhamnaceae	perennial evergreen shrub	2B.2	S2	G3
<u>Chaenactis parishii</u>	Parish's chaenactis	Asteraceae	perennial herb	1B.3	S3	G3G4
<u>Chamaebatia australis</u>	southern mountain misery	Rosaceae	perennial evergreen shrub	4.2	S4	G4
<u>Chorizanthe leptotheca</u>	Peninsular spineflower	Polygonaceae	annual herb	4.2	S3	G3
<u>Chorizanthe polygonoides var. longispina</u>	long-spined spineflower	Polygonaceae	annual herb	1B.2	S3	G5T3
<u>Clarkia delicata</u>	delicate clarkia	Onagraceae	annual herb	1B.2	S3	G3
<u>Clinopodium chandleri</u>	San Miguel savory	Lamiaceae	perennial shrub	1B.2	S2	G2
<u>Comarostaphylis diversifolia ssp. diversifolia</u>	summer holly	Ericaceae	perennial evergreen shrub	1B.2	S2	G3T2
<u>Convolvulus simulans</u>	small-flowered morning-glory	Convolvulaceae	annual herb	4.2	S4	G4
<u>Cordylanthus rigidus ssp. brevibracteatus</u>	short-bracted bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	4.3	S4	G5T4
<u>Cylindropuntia californica var. californica</u>	snake cholla	Cactaceae	perennial stem succulent	1B.1	S1	G3T2
<u>Deinandra conjugens</u>	Otay tarplant	Asteraceae	annual herb	1B.1	S1	G1
<u>Deinandra floribunda</u>	Tecate tarplant	Asteraceae	annual herb	1B.2	S2	G2
<u>Delphinium hesperium ssp. cuyamaca</u>	Cuyamaca larkspur	Ranunculaceae	perennial herb	1B.2	S2	G4T2
<u>Delphinium parishii ssp. subglobosum</u>	Colorado Desert larkspur	Ranunculaceae	perennial herb	4.3	S4	G4T4
<u>Dichondra occidentalis</u>	western dichondra	Convolvulaceae	perennial rhizomatous herb	4.2	S3S4	G3G4
<u>Downingia concolor var. brevior</u>	Cuyamaca Lake downingia	Campanulaceae	annual herb	1B.1	S1	G4T1
<u>Dudleya variegata</u>	variegated dudleya	Crassulaceae	perennial herb	1B.2	S2	G2
<u>Ericameria cuneata var. macrocephala</u>	Laguna Mountains goldenbush	Asteraceae	perennial shrub	1B.3	S3	G5T3
<u>Ericameria palmeri var. palmeri</u>	Palmer's goldenbush	Asteraceae	perennial evergreen shrub	1B.1	S2	G4T2?
<u>Eriogonum evanidum</u>	vanishing wild buckwheat	Polygonaceae	annual herb	1B.1	S1	G2
<u>Euphorbia abramsiana</u>	Abrams' spurge	Euphorbiaceae	annual herb	2B.2	S2	G4
<u>Ferocactus viridescens</u>	San Diego barrel cactus	Cactaceae	perennial stem succulent	2B.1	S2S3	G3?
<u>Fraxinus parryi</u>	chaparral ash	Oleaceae	perennial shrub	2B.2	S1	G3?
<u>Fremontodendron mexicanum</u>	Mexican flannelbush	Malvaceae	perennial evergreen shrub	1B.1	S1	G1
<u>Geraea viscida</u>	sticky geraea	Asteraceae	perennial herb	2B.3	S3	G3
<u>Githopsis diffusa ssp. filicaulis</u>	Mission Canyon bluecup	Campanulaceae	annual herb	3.1	S1	G5T2T3
<u>Grindelia hallii</u>	San Diego gumplant	Asteraceae	perennial herb	1B.2	S2	G2
<u>Harpagonella palmeri</u>	Palmer's grapplinghook	Boraginaceae	annual herb	4.2	S3	G4
<u>Hesperocyparis forbesii</u>	Tecate cypress	Cupressaceae	perennial evergreen tree	1B.1	S2	G2
<u>Hesperocyparis stephensonii</u>	Cuyamaca cypress	Cupressaceae	perennial evergreen tree	1B.1	S1	G1
<u>Heuchera brevistaminea</u>	Laguna Mountains alumroot	Saxifragaceae	perennial rhizomatous herb	1B.3	S3	G3

<u>Heuchera rubescens var. versicolor</u>	San Diego County alumroot	Saxifragaceae	perennial rhizomatous herb	3.3	S2	G5T4
<u>Holocarpha virgata ssp. elongata</u>	graceful tarplant	Asteraceae	annual herb	4.2	S3	G5T3
<u>Horkelia truncata</u>	Ramona horkelia	Rosaceae	perennial herb	1B.3	S3	G3
<u>Hulsea californica</u>	San Diego sunflower	Asteraceae	perennial herb	1B.3	S3	G3
<u>Isocoma menziesii var. decumbens</u>	decumbent goldenbush	Asteraceae	perennial shrub	1B.2	S2	G3G5T2T3
<u>Iva hayesiana</u>	San Diego marsh-elder	Asteraceae	perennial herb	2B.2	S2	G3?
<u>Juncus acutus ssp. leopoldii</u>	southwestern spiny rush	Juncaceae	perennial rhizomatous herb	4.2	S4	G5T5
<u>Juncus luciensis</u>	Santa Lucia dwarf rush	Juncaceae	annual herb	1B.2	S3	G3
<u>Lathyrus splendens</u>	pride-of-California	Fabaceae	perennial herb	4.3	S4	G5
<u>Lepechinia ganderi</u>	Gander's pitcher sage	Lamiaceae	perennial shrub	1B.3	S3	G3?
<u>Lepidium virginicum var. robinsonii</u>	Robinson's pepper-grass	Brassicaceae	annual herb	4.3	S3	G5T3
<u>Lewisia brachycalyx</u>	short-sepaled lewisia	Montiaceae	perennial herb	2B.2	S2	G4
<u>Lilium parryi</u>	lemon lily	Liliaceae	perennial bulbiferous herb	1B.2	S3	G3
<u>Limnanthes alba ssp. parishii</u>	Parish's meadowfoam	Limnanthaceae	annual herb	1B.2	S2S3	G3T2T3
<u>Linanthus bellus</u>	desert beauty	Polemoniaceae	annual herb	2B.1	S2	G2G3
<u>Linanthus orcuttii</u>	Orcutt's linanthus	Polemoniaceae	annual herb	1B.3	S2	G3
<u>Microseris douglasii ssp. platycarpha</u>	small-flowered microseris	Asteraceae	annual herb	4.2	S4	G4T4
<u>Mimulus clevelandii</u>	Cleveland's bush monkeyflower	Phrymaceae	perennial rhizomatous herb	4.2	S4	G4
<u>Mimulus diffusus</u>	Palomar monkeyflower	Phrymaceae	annual herb	4.3	S3	G4Q
<u>Monardella hypoleuca ssp. lanata</u>	felt-leaved monardella	Lamiaceae	perennial rhizomatous herb	1B.2	S3	G4T3
<u>Monardella macrantha ssp. hallii</u>	Hall's monardella	Lamiaceae	perennial rhizomatous herb	1B.3	S3	G5T3
<u>Myosurus minimus ssp. apus</u>	little mousetail	Ranunculaceae	annual herb	3.1	S2	G5T2Q
<u>Navarretia peninsularis</u>	Baja navarretia	Polemoniaceae	annual herb	1B.2	S2	G3
<u>Nolina cismontana</u>	chaparral nolina	Ruscaceae	perennial evergreen shrub	1B.2	S3	G3
<u>Nolina interrata</u>	Dehesa nolina	Ruscaceae	perennial herb	1B.1	S2	G2
<u>Packera ganderi</u>	Gander's ragwort	Asteraceae	perennial herb	1B.2	S2	G2
<u>Pentachaeta aurea ssp. aurea</u>	golden-rayed pentachaeta	Asteraceae	annual herb	4.2	S3	G4T3
<u>Pickeringia montana var. tomentosa</u>	woolly chaparral-pea	Fabaceae	evergreen shrub	4.3	S3S4	G5T3T4
<u>Piperia colemanii</u>	Coleman's rein orchid	Orchidaceae	perennial herb	4.3	S4	G4
<u>Piperia cooperi</u>	chaparral rein orchid	Orchidaceae	perennial herb	4.2	S3	G3
<u>Plagiobryoides vinosula</u>	wine-colored tufa moss	Bryaceae	moss	4.2	S2	G3G4
<u>Poa atropurpurea</u>	San Bernardino blue grass	Poaceae	perennial rhizomatous herb	1B.2	S2	G2
<u>Polygala cornuta var. fishiae</u>	Fish's milkwort	Polygalaceae	perennial deciduous shrub	4.3	S4	G5T4
<u>Quercus dumosa</u>	Nuttall's scrub oak	Fagaceae	perennial evergreen shrub	1B.1	S3	G3

Quercus engelmannii	Engelmann oak	Fagaceae	perennial deciduous tree	4.2	S3	G3
Ribes canthariforme	Moreno currant	Grossulariaceae	perennial deciduous shrub	1B.3	S2	G2
Romneya coulteri	Coulter's matilija poppy	Papaveraceae	perennial rhizomatous herb	4.2	S4	G4
Rubus glaucifolius var. ganderi	Cuyamaca raspberry	Rosaceae	perennial evergreen shrub	3.1	S1	G5T1Q
Rupertia rigida	Parish's rupertia	Fabaceae	perennial herb	4.3	S4	G4
Salvia munzii	Munz's sage	Lamiaceae	perennial evergreen shrub	2B.2	S2	G2
Scutellaria bolanderi ssp. austromontana	southern mountains skullcap	Lamiaceae	perennial rhizomatous herb	1B.2	S3	G4T3
Selaginella cinerascens	ashy spike-moss	Selaginellaceae	perennial rhizomatous herb	4.1	S3	G3G4
Senna covesii	Coves' cassia	Fabaceae	perennial herb	2B.2	S3	G5
Sibaropsis hammittii	Hammitt's clay-cress	Brassicaceae	annual herb	1B.2	S2	G2
Sphenopholis obtusata	prairie wedge grass	Poaceae	perennial herb	2B.2	S2	G5
Stemodia durantifolia	purple stemodia	Plantaginaceae	perennial herb	2B.1	S2	G5
Stipa diegoensis	San Diego County needle grass	Poaceae	perennial herb	4.2	S4	G4
Streptanthus bernardinus	Laguna Mountains jewelflower	Brassicaceae	perennial herb	4.3	S3S4	G3G4
Streptanthus campestris	southern jewelflower	Brassicaceae	perennial herb	1B.3	S3	G3
Symphyotrichum defoliatum	San Bernardino aster	Asteraceae	perennial rhizomatous herb	1B.2	S2	G2
Tetracoccus dioicus	Parry's tetracoccus	Picrodendraceae	perennial deciduous shrub	1B.2	S2	G3?
Thermopsis californica var. semota	velvety false lupine	Fabaceae	perennial rhizomatous herb	1B.2	S2	G4T2
Viguiera laciniata	San Diego County viguiera	Asteraceae	perennial shrub	4.2	S4	G4
Xanthisma junceum	rush-like bristleweed	Asteraceae	perennial herb	4.3	S4	G5

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