

## Memorandum

**Date:** April 22, 2025

**To:** Parker Chorich, Project Manager, D.R. Horton

**From:** Joseph Vu, Senior Biologist

**Subject:** Biological Resources Memorandum for the Tres Cerritos Project, City of Hemet, California

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The purpose of this memorandum is to assess current site conditions, determine whether any new significant biological impacts have arisen since the original approval, and evaluate the continued applicability of the previous biological analysis and mitigation measures for the Tres Cerritos Project (proposed project), located in the City of Hemet, California (Exhibit 1). The previous approved Mitigated Negative Declaration (MND) (State Clearinghouse [SCH] No. 2004081192) was certified in 2004.

## PROJECT LOCATION AND PROJECT DESCRIPTION

The approximately 121-acre project site is generally located at Latitude 33.755514 and Longitude - 117.029271 in Sections 6 and 7 of Township 5 South and Range 1 West as depicted on the *Lakeview, California* United States Geological Survey (USGS) 7.5- minute Topographic Quadrangle Map. Specifically, the project site is located north of Rose Road and south, east, and west of undeveloped land (Exhibit 2).

The proposed project consists of development of a residential community comprised of 177 single-family units, a 1.1-acre private park, a 9,000-square-foot water basin/wetland area, 59 acres of hillside restricted open space conservation area, and associated off-site public street improvements (Exhibit 3).

## PROJECT BACKGROUND

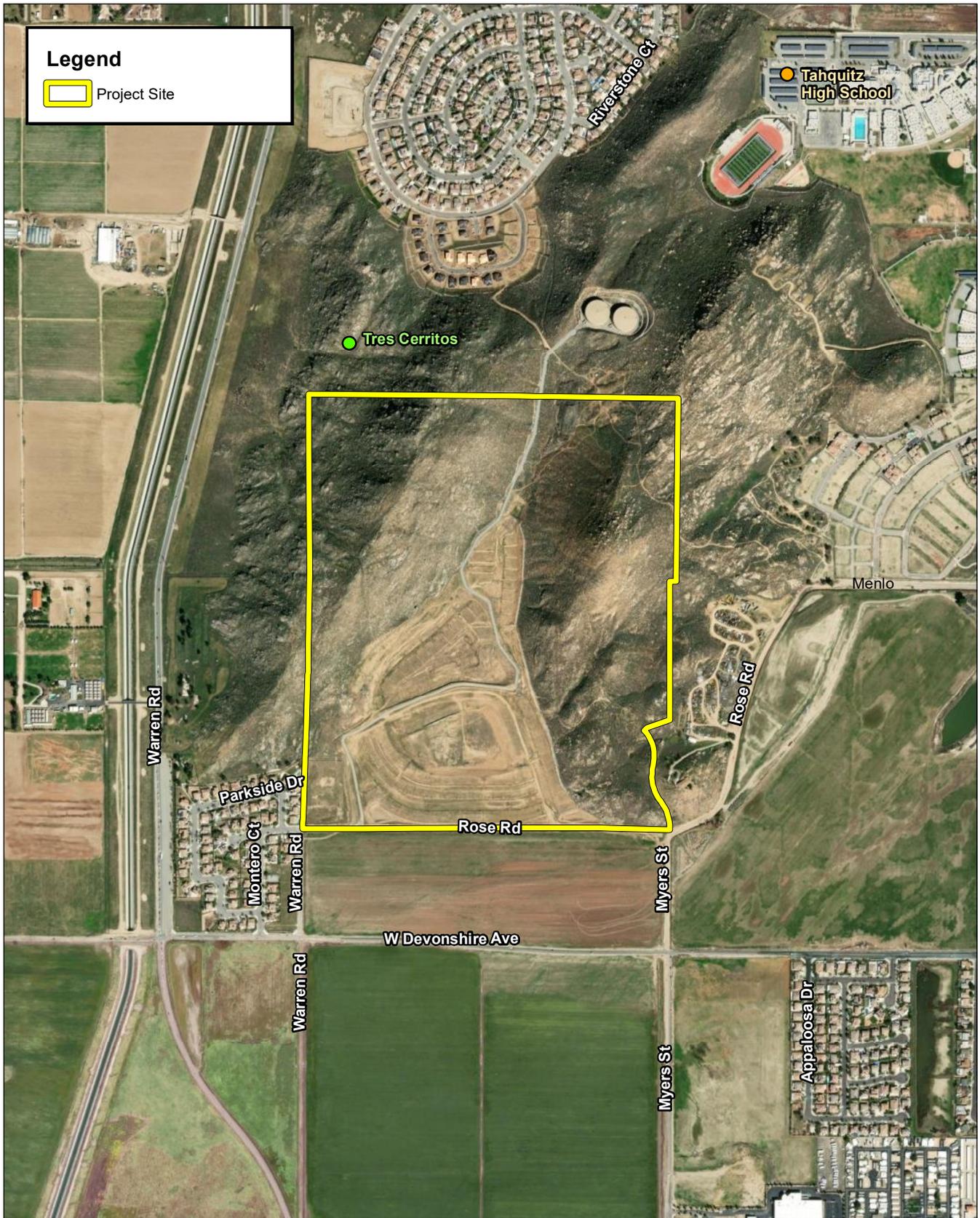
This section outlines the permits and approvals that the project has already obtained to ensure compliance with applicable local, State, and federal regulations such as the California Environmental Quality Act (CEQA) and Riverside County Multiple Species Habitat Conservation Plan (MSHCP). These approvals confirm that the project has met necessary environmental, zoning, and resource protection requirements.



Source: Census 2000 Data, The California Spatial Information Library (CaSIL), County of Riverside.



**Exhibit 1**  
Regional Location Map



Source: Esri World Imagery. D.R. Horton, 03/2025.



## Exhibit 2 Local Vicinity Map



Source: Esri World Imagery. D.R. Horton, 03/2025.



**Exhibit 3**  
Project Site Map

The following permits have been secured to date, demonstrating the project's adherence to regulatory standards and mitigation commitments:

- Approved 2004 MND (SCH No. 2004081192).
- United States Army Corps of Engineers (USACE) Clean Water Act Section 404 Permit No. SPL-2006-00407- CLM.
- Regional Water Quality Control Board (RWQCB) Section 401 Water Quality Certification 33-2005-52-DGW.
- California Department of Fish and Wildlife (CDFW) Section 1602 Streambed Alteration Agreement No. 1600-2005-0165-R6.
- Tres Cerritos West Specific Plan Habitat Mitigation Monitoring and Reporting Plan.
- Tres Cerritos West Specific Plan Vernal Pool Complex Long-Term Management Plan.
- Approved MSHCP Consistency Analysis and Determination of Biologically Equivalent or Superior Preservation (DBESP).

It should be noted that the project was approved in 2004 and the project site mass graded in 2006, with regular maintenance since 2006. All permits and approvals for jurisdictional waters, Habitat Conservation Plans (HCPs), and CEQA have been acquired, as listed above.

## METHODOLOGY

Analysis of the biological resources associated with the project site entailed a thorough review of relevant literature followed by a review to document existing site conditions and identify biological resources, if any, that may occur in the project site. The review included the entire project site as well as the immediate vicinity where possible.

### Literature Review

A literature review was conducted to provide a baseline from which to evaluate the biological resources potentially occurring on the project site and in the surrounding area.

### Topographic Maps and Aerial Photographs

A FirstCarbon Solutions (FCS) Biologist reviewed current topographic maps and aerial photographs as a preliminary analysis of the existing conditions within the project site and immediate vicinity. Information obtained from the review of topographic maps included elevation range, general watershed information, and potential drainage feature locations.<sup>1</sup> Aerial photographs provide a perspective of site conditions relative to on-site and off-site land uses, preliminary plant community locations, and potential locations of wildlife movement corridors.

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<sup>1</sup> United States Environmental Protection Agency (EPA). 2023. Watershed Assessment, Tracking and Environmental Results System (WATERS). Website: <https://www.epa.gov/waterdata/waters-watershed-assessment-tracking-environmental-results-system>. Accessed March 18, 2025.

## Soil Surveys

An FCS Biologist reviewed the Natural Resources Conservation Service (NRCS) Web Soil Survey to determine soil series (i.e., group of soils with similar profiles) and soil mapping units occurring at the project site.<sup>2</sup> The Biologist reviewed habitat requirements pertaining to soils and substrates for special-status species to establish whether on-site conditions are suitable for occurrence of special-status plant and wildlife species.

## Special-status Species Database Search

An FCS Biologist reviewed the CDFW's California Natural Diversity Database (CNDDDB), a special-status species and plant community account database, and the California Native Plant Society (CNPS) Electronic Inventory (CNPSEI) of Rare and Endangered Vascular Plants of California database for the *Lakeview, California* USGS 7.5-minute Topographic Quadrangle Map and the eight surrounding quadrangles (Attachment A).<sup>3,4</sup>

## Jurisdictional Waters and Wetlands

An FCS Biologist reviewed the United States Environmental Protection Agency (EPA) Watershed Assessment, Tracing and Environmental Results System (WATERS) and aerial photography to identify potential natural drainage features and water bodies.<sup>5</sup> In general, all surface drainage features identified as blue-line streams on USGS maps and linear water or wetland features that exhibit evidence of concentrated flow are considered potentially subject to State and federal regulatory authority as waters of the United States and/or State. A preliminary assessment in the field was conducted to determine the location of any existing drainages and the limits of project-related grading activities, to aid in determining whether a formal delineation of waters of the United States or State is necessary.

## Protected Trees

Prior to conducting the reconnaissance-level field survey, an FCS Biologist reviewed applicable City ordinances pertaining to tree preservation and protective measures and their tree replacement conditions or permits required.

## Habitat Conservation Plan

As part of the literature review, FCS also took into consideration whether the proposed project is located within the boundaries of any adopted HCP, Natural Community Conservation Plan (NCCP), or other

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<sup>2</sup> United States Department of Agriculture (USDA). Natural Resources Conservation Service (NRCS). 2024. Official Soil Series Descriptions (OSD). Website: <https://www.nrcs.usda.gov/resources/data-and-reports/official-soil-series-descriptions-osd>. Accessed March 18, 2025.

<sup>3</sup> California Department of Fish and Wildlife (CDFW). 2024. CNDDDB RareFind 5 California Natural Diversity Database Query for Special-Status Species. Website: <https://wildlife.ca.gov/Data/CNDDDB/Maps-and-Data>. Accessed March 18, 2025.

<sup>4</sup> California Native Plant Society (CNPS). 2024. California Native Plant Society Rare and Endangered Plant Inventory (CNPSEI). Website: <https://www.rareplants.cnps.org/>. Accessed March 18, 2025.

<sup>5</sup> United States Environmental Protection Agency (EPA). 2024. Watershed Assessment, Tracking and Environmental Results System (WATERS). Website: <https://www.epa.gov/waterdata/waters-watershed-assessment-tracking-environmental-results-system>. Accessed March 18, 2025.

approved local, regional, or State HCP and whether any such plan would be applicable to the proposed project.

## Reconnaissance-Level Field Survey

An FCS Biologist familiar with the biological resources of the region conducted a general wildlife, habitat, vegetation community, and aquatic resources reconnaissance-level field survey of the project site and its immediate vicinity where accessible. The object of the survey was to assess and characterize the biological conditions on and adjacent to the site, including an identification of special-status plant and wildlife species and their habitats. During the survey, the Biologist searched for evidence of and habitat for special-status species and other sensitive biological resources that were identified in the literature review.

## Literature Review Results and Existing conditions

### Soils

According to the NRCS Web Soil Survey, the project site consists of several soil types including:

- Cieneba rocky sandy loam, 15 to 50 percent slopes, eroded
- Hanford coarse sandy loam, 8 to 15 percent slopes, eroded
- Hanford coarse sandy loam, 2 to 8 percent slopes
- Greenfield sandy loam, 2 to 8 percent slopes, eroded
- Greenfield sandy loam, 0 to 2 percent slopes
- Traver loamy fine sand, eroded
- Traver fine sandy loam, strongly saline-alkali, eroded
- Domino silt loam, saline-alkali
- Rockland
- Vista rocky coarse sandy loam, 2 to 35 percent slopes, eroded

### Vegetation Communities or Land Cover

The project site was graded in 2006 after the project was approved. It has since been maintained and is currently bare. Only one land cover class was observed and it is described below.

#### **Bare/Disturbed**

Bare/Disturbed land cover is present throughout the project site in the form of graded and maintained plots of lands. This land cover type is characterized by disturbed, cleared, and/or bare ground. This land cover type does not support suitable habitat for special-status plant species.

### Wildlife

The project site may be suitable for generalist and opportunistic wildlife species that are able to tolerate high levels of habitat disturbance. Potential species that could exist on-site may include common species such as American crow (*Corvus brachyrhynchos*), and western fence lizard (*Sceloporus undulatus*).

## **Special-status Plant and Animal Species**

The project site does not provide habitat for any rare, endangered, threatened, or special-status wildlife and plant species as recorded in the CNDDDB and CNPS Inventories. This is attributable to the disturbed state of the project site and it being mass graded and maintained on a regular basis, resulting in the lack of natural vegetation and the lack of suitable substrates. Attachment A provides a list of special-status animals evaluated for biological resources memorandum for the project site. Species were evaluated based on the following factors, including: (1) species identified by the CNDDDB as occurring (either currently or historically) on or in the vicinity of the project site, and (2) any other special-status animals that are known to occur within the vicinity of the project site, for which potentially suitable habitat occurs on the site.

## **Jurisdictional Waters and Wetlands**

No wetlands, riparian habitat, or other aquatic features that meet criteria as waters of the United States or State were observed during the field survey conducted for the project and none are anticipated to occur due to the project site being graded. It should be noted that the project was approved in 2004 and all permits and approvals for jurisdictional waters have been acquired.

## **Wildlife Movement Corridors and Nursery Sites**

The project site consists primarily of ruderal vegetation and is surrounded by urban development that limits wildlife movement. Therefore, the project site itself does not serve as a wildlife movement corridor.

## **Protected Trees**

The project site does not contain any trees. As such, no trees protected under any City regulations would be impacted as part of the proposed project.

## **Habitat Conservation Plans**

The project site is within the boundary of the Western Riverside MSHCP. It should be noted that the project was approved in 2004 and all permits and approvals under the MSHCP have been acquired.

# **COMPARISON OF 2004 MND FINDINGS AND 2025 EXISTING CONDITIONS**

## **Special-status Plants and Wildlife**

### **2004 MND Findings**

The 2004 MND indicated that the project may impact sensitive, candidate, or special-status species recognized by local, State, or federal agencies, including the California Department of Fish and Game (CDFG now referred to as the CDFW) and United States Fish and Wildlife Service (USFWS). It identifies two listed plant species, smooth tarplant and San Diego tarplant, that would be affected but preserved

within the designated vernal pool conservation area in the southwestern portion of the project site. With the implementation of the recommended mitigation measures, the 2004 MND concludes that these impacts would be less than significant with mitigation incorporated.

## **2025 Existing Conditions**

The project site was approved in 2004 and graded in 2006 and currently consists of bare areas, eliminating the potential for sensitive, candidate, or special-status species to occur. As such, the proposed project would not result in any new significant effect on special-status species that was not discussed, analyzed, and approved in the 2004 MND.

## **Impacts to Riparian Habitat and Sensitive Natural Communities**

### **2004 MND Findings**

The 2004 MND indicated that the project would impact 17.7 acres of Riversidean sage scrub, a rare plant community, while preserving 46.2 acres within a conservation easement. With this preservation and the implementation of mitigation measures, the 2004 MND concluded that impacts would be less than significant with mitigation incorporated.

### **2025 Existing Conditions**

The project site was approved in 2004 and graded in 2006 and currently consists of bare areas that are devoid of any sensitive natural vegetation community or riparian habitat. As such, the project does not contain any sensitive natural vegetation community or riparian habitat and therefore would not result in any new significant effect on riparian habitat and sensitive natural communities that was not discussed, analyzed, and approved in the 2004 MND.

## **Impacts to Jurisdictional Waters and Protected Wetlands**

### **2004 MND Findings**

The 2004 MND indicated that the project could impact federally protected wetlands under Section 404 of the Clean Water Act by affecting jurisdictional areas, including drainage courses and vernal pools. Specifically, the project would impact 5,613.5 square feet (0.129 acre) of USACE jurisdictional drainage areas and 6,794.3 square feet (0.156 acre) of CDFW jurisdictional drainage areas. However, the on-site vernal pools would be preserved within a conservation easement and would not be impacted. With this preservation and the implementation of mitigation measures, the 2004 MND concluded that impacts would be less than significant with mitigation incorporated.

### **2025 Existing Conditions**

The project site was approved in 2004 and graded in 2006 and does not contain any jurisdictional waters or wetlands. All impacts to jurisdictional waters have been permitted and mitigated. As such, the project

would not result in any new significant effect on protected wetlands that was not discussed, analyzed, and approved in the 2004 MND.

## **Impacts to Wildlife Movement Corridors and Wildlife Nursery Sites**

### **2004 MND Findings**

The 2004 MND indicated that the project would not interfere with the movement of native resident or migratory wildlife species, established wildlife corridors, or native wildlife nursery sites. The site primarily consists of highly disturbed ruderal habitat, formerly used for agriculture, and is isolated from intact native habitat by roads, a cement-lined drainage channel, and other man-made improvements. As a result, the 2004 MND concluded that no impacts to wildlife movement would occur.

### **2025 Existing Conditions**

The project site does not function as a wildlife corridor or nursery site. The project site is surrounded by residential development and/or lands used for agriculture. As such, the proposed project would not result in any new significant effect on wildlife corridors and wildlife nursery sites that was not discussed, analyzed, and approved in the 2004 MND.

## **Conflicts with Regional and Local Policies and Ordinances**

### **2004 MND Findings**

The 2004 MND indicated that the project does not conflict with any local policy or ordinance protecting natural resources. Thus, no impact is anticipated.

### **2025 Existing Conditions**

The findings in the 2004 MND are still valid as the current project site does not contain any biological resources that would be protected by local policy or ordinances.

## **Conflict with Habitat Conservation Plan**

### **2004 MND Findings**

The 2004 MND indicated that the project does not conflict with any adopted HCPs, including the Riverside County MSHCP. Surveys conducted in 2001 and 2003 found no burrowing owls or narrow endemic plant species on-site. Additionally, the project would avoid two vernal pools and establish a 3.5-acre vernal pool conservation area, reducing potential impacts to species associated with riparian, riverine, and vernal pool habitats. Several biological mitigation measures were included in the 2004 MND (BR-1 through BR-17) to offset or minimize any impacts to biological resources and as such was used to achieve consistency with the MSHCP objectives. Therefore, the 2004 MND concluded that the project is consistent with the MSHCP. It should be noted that the project was approved in 2004 and all permits and

approvals under the MSHCP have been acquired, including an approved MSHCP Consistency Analysis and DBESP.

## 2025 Existing Conditions

The project was approved in 2004 and the project site graded in 2006, which is currently bare ground. All MSHCP and DBESP approvals have been acquired for the project. There are no new significant biological resources that were not discussed, analyzed, and approved in the 2004 MND. In addition, the biological mitigation measures outlined in the 2004 MND would still be valid. As such, the project would still be consistent with MSHCP objectives.

## CONCLUSIONS

The biological memorandum determined that the current site conditions do not include any new biological resources or any new significant impacts that were not discussed, analyzed, and approved in the 2004 MND. In addition, all mitigation measures listed in the approved 2004 MND would still be valid and applicable. As such, the project would still be consistent with the findings of the 2004 MND and no new additional biological resources mitigation measures are required.

If you have any questions or comments regarding the memorandum provided, please contact me at [jvu@fcs-intl.com](mailto:jvu@fcs-intl.com) via email or 714.722.2032 via telephone.

Sincerely,



Joseph Vu  
Senior Biologist  
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Attachment A:

## **Special-status Species Database Results**



# Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad (Lakeview) OR Perris OR San Jacinto OR Beaumont OR Sunnymead OR El Casco OR Romoland OR Winchester OR Hemet

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Abronia villosa</i> var. <i>aurita</i> chaparral sand-verbena	PDNYC010P1	None	None	G5T2?	S2	1B.1
<i>Accipiter cooperii</i> Cooper's hawk	ABNKC12040	None	None	G5	S4	WL
<i>Actinemys pallida</i> southwestern pond turtle	ARAAD02032	Proposed Threatened	None	G2G3	SNR	SSC
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	Threatened	G1G2	S2	SSC
<i>Aimophila ruficeps canescens</i> southern California rufous-crowned sparrow	ABPBX91091	None	None	G5T3	S4	WL
<i>Allium marvinii</i> Yucaipa onion	PMLIL02330	None	None	G1	S2	1B.2
<i>Allium munzii</i> Munz's onion	PMLIL022Z0	Endangered	Threatened	G1	S1	1B.1
<i>Anniella stebbinsi</i> Southern California legless lizard	ARACC01060	None	None	G3	S3	SSC
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G4	S3	SSC
<i>Aquila chrysaetos</i> golden eagle	ABNKC22010	None	None	G5	S3	FP
<i>Arizona elegans occidentalis</i> California glossy snake	ARADB01017	None	None	G5T2	S2	SSC
<i>Artemisiospiza belli belli</i> Bell's sparrow	ABPBX97021	None	None	G5T2T3	S3	WL
<i>Aspidoscelis hyperythra</i> orange-throated whiptail	ARACJ02060	None	None	G5	S2S3	WL
<i>Aspidoscelis tigris stejnegeri</i> coastal whiptail	ARACJ02143	None	None	G5T5	S3	SSC
<i>Astragalus hornii</i> var. <i>hornii</i> Horn's milk-vetch	PDFAB0F421	None	None	GUT1	S1	1B.1
<i>Astragalus lentiginosus</i> var. <i>coachellae</i> Coachella Valley milk-vetch	PDFAB0FB97	Endangered	None	G5T1	S1	1B.2
<i>Astragalus pachypus</i> var. <i>jaegeri</i> Jaeger's milk-vetch	PDFAB0F6G1	None	None	G4T1	S1	1B.1
<i>Athene cunicularia</i> burrowing owl	ABNSB10010	None	Candidate Endangered	G4	S2	SSC



**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
<b><i>Atriplex coronata var. notatior</i></b> San Jacinto Valley crownscale	PDCHE040C2	Endangered	None	G4T1	S1	1B.1
<b><i>Atriplex parishii</i></b> Parish's brittlescale	PDCHE041D0	None	None	G1G2	S1	1B.1
<b><i>Atriplex serenana var. davidsonii</i></b> Davidson's saltscale	PDCHE041T1	None	None	G5T1	S1	1B.2
<b><i>Bombus crotchii</i></b> Crotch's bumble bee	IIHYM24480	None	Candidate Endangered	G2	S2	
<b><i>Bombus pensylvanicus</i></b> American bumble bee	IIHYM24260	None	None	G3G4	S2	
<b><i>Branchinecta lynchi</i></b> vernal pool fairy shrimp	ICBRA03030	Threatened	None	G3	S3	
<b><i>Brodiaea filifolia</i></b> thread-leaved brodiaea	PMLIL0C050	Threatened	Endangered	G2	S2	1B.1
<b><i>Buteo regalis</i></b> ferruginous hawk	ABNKC19120	None	None	G4	S3S4	WL
<b><i>Calochortus palmeri var. palmeri</i></b> Palmer's mariposa-lily	PMLIL0D122	None	None	G3T2	S2	1B.2
<b><i>Calochortus plummerae</i></b> Plummer's mariposa-lily	PMLIL0D150	None	None	G4	S4	4.2
<b><i>Calochortus weedii var. intermedius</i></b> intermediate mariposa-lily	PMLIL0D1J1	None	None	G3G4T3	S3	1B.2
<b><i>Campylorhynchus brunneicapillus sandiegensis</i></b> coastal cactus wren	ABPBG02095	None	None	G5T3Q	S2	SSC
<b><i>Caulanthus simulans</i></b> Payson's jewelflower	PDBRA0M0H0	None	None	G4	S4	4.2
<b><i>Centromadia pungens ssp. laevis</i></b> smooth tarplant	PDAST4R0R4	None	None	G3G4T2	S2	1B.1
<b><i>Chaetodipus californicus femoralis</i></b> Dulzura pocket mouse	AMAFD05021	None	None	G5T3	S3	
<b><i>Chaetodipus fallax fallax</i></b> northwestern San Diego pocket mouse	AMAFD05031	None	None	G5T3T4	S3S4	
<b><i>Chorizanthe parryi var. parryi</i></b> Parry's spineflower	PDPGN040J2	None	None	G3T2	S2	1B.1
<b><i>Chorizanthe polygonoides var. longispina</i></b> long-spined spineflower	PDPGN040K1	None	None	G5T3	S3	1B.2
<b><i>Circus hudsonius</i></b> northern harrier	ABNKC11011	None	None	G5	S3	SSC
<b><i>Coccyzus americanus occidentalis</i></b> western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
<b><i>Coleonyx variegatus abbotti</i></b> San Diego banded gecko	ARACD01031	None	None	G5T5	S1S2	SSC



**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
<b><i>Corynorhinus townsendii</i></b> Townsend's big-eared bat	AMACC08010	None	None	G4	S2	SSC
<b><i>Crotalus ruber</i></b> red-diamond rattlesnake	ARADE02090	None	None	G4	S3	SSC
<b><i>Deinandra mohavensis</i></b> Mojave tarplant	PDAST4R0K0	None	Endangered	G3	S3	1B.3
<b><i>Desert Fan Palm Oasis Woodland</i></b> Desert Fan Palm Oasis Woodland	CTT62300CA	None	None	G3	S3.2	
<b><i>Dipodomys merriami parvus</i></b> San Bernardino kangaroo rat	AMAFD03143	Endangered	Endangered	G5T1	S1	SSC
<b><i>Dipodomys stephensi</i></b> Stephens' kangaroo rat	AMAFD03100	Threatened	Threatened	G2	S3	
<b><i>Dodecahema leptoceras</i></b> slender-horned spineflower	PDPGN0V010	Endangered	Endangered	G1	S1	1B.1
<b><i>Elanus leucurus</i></b> white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
<b><i>Empidonax traillii extimus</i></b> southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	G5T2	S3	
<b><i>Eremophila alpestris actia</i></b> California horned lark	ABPAT02011	None	None	G5T4Q	S4	WL
<b><i>Eumops perotis californicus</i></b> western mastiff bat	AMACD02011	None	None	G4G5T4	S3S4	SSC
<b><i>Euphydryas editha quino</i></b> quino checkerspot butterfly	IILEPK405L	Endangered	None	G4G5T1T2	S1S2	
<b><i>Harpagonella palmeri</i></b> Palmer's grapplinghook	PDBOR0H010	None	None	G4	S3	4.2
<b><i>Horkelia cuneata var. puberula</i></b> mesa horkelia	PDROS0W045	None	None	G4T1	S1	1B.1
<b><i>Icteria virens</i></b> yellow-breasted chat	ABPBX24010	None	None	G5	S4	SSC
<b><i>Imperata brevifolia</i></b> California satintail	PMPOA3D020	None	None	G3	S3	2B.1
<b><i>Lanius ludovicianus</i></b> loggerhead shrike	ABPBR01030	None	None	G4	S4	SSC
<b><i>Lasiurus xanthinus</i></b> western yellow bat	AMACC05070	None	None	G4G5	S3	SSC
<b><i>Lasthenia glabrata ssp. coulteri</i></b> Coulter's goldfields	PDAST5L0A1	None	None	G4T2	S2	1B.1
<b><i>Lepidium virginicum var. robinsonii</i></b> Robinson's pepper-grass	PDBRA1M114	None	None	G5T3	S3	4.3
<b><i>Lepus californicus bennettii</i></b> San Diego black-tailed jackrabbit	AMAEB03051	None	None	G5T3T4	S3S4	



**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
<b><i>Mentzelia tricuspidis</i></b> spiny-hair blazing star	PDLOA031T0	None	None	G4	S2	2B.1
<b><i>Myosurus minimus ssp. apus</i></b> little mousetail	PDRAN0H031	None	None	G5T2Q	S2	3.1
<b><i>Nama stenocarpa</i></b> mud nama	PDHYD0A0H0	None	None	G4G5	S1S2	2B.2
<b><i>Navarretia fossalis</i></b> spreading navarretia	PDPLM0C080	Threatened	None	G2	S2	1B.1
<b><i>Neolarra alba</i></b> white cuckoo bee	IIHYM81010	None	None	GH	SH	
<b><i>Neotoma lepida intermedia</i></b> San Diego desert woodrat	AMAFF08041	None	None	G5T3T4	S3S4	SSC
<b><i>Onychomys torridus ramona</i></b> southern grasshopper mouse	AMAFF06022	None	None	G5T3	S3	SSC
<b><i>Orcuttia californica</i></b> California Orcutt grass	PMPOA4G010	Endangered	Endangered	G1	S1	1B.1
<b><i>Perognathus longimembris brevinasus</i></b> Los Angeles pocket mouse	AMAFD01041	None	None	G5T2	S1S2	SSC
<b><i>Petalonyx linearis</i></b> narrow-leaf sandpaper-plant	PDLOA04010	None	None	G4	S3?	2B.3
<b><i>Phrynosoma blainvillii</i></b> coast horned lizard	ARACF12100	None	None	G4	S4	SSC
<b><i>Plegadis chihi</i></b> white-faced ibis	ABNGE02020	None	None	G5	S3S4	WL
<b><i>Poliophtila californica californica</i></b> coastal California gnatcatcher	ABPBJ08081	Threatened	None	G4G5T3Q	S2	SSC
<b><i>Progne subis</i></b> purple martin	ABPAU01010	None	None	G5	S3	SSC
<b><i>Pseudognaphalium leucocephalum</i></b> white rabbit-tobacco	PDAST440C0	None	None	G4	S2	2B.2
<b><i>Salvadora hexalepis virgultea</i></b> coast patch-nosed snake	ARADB30033	None	None	G5T4	S3	SSC
<b><i>Setophaga petechia</i></b> yellow warbler	ABPBX03010	None	None	G5	S3	SSC
<b><i>Sidalcea neomexicana</i></b> salt spring checkerbloom	PDMAL110J0	None	None	G4	S2	2B.2
<b><i>Socalchemmis icenoglei</i></b> Icenogle's socalchemmis spider	ILARAU7020	None	None	G1	S1	
<b><i>Southern Coast Live Oak Riparian Forest</i></b> Southern Coast Live Oak Riparian Forest	CTT61310CA	None	None	G4	S4	
<b><i>Southern Cottonwood Willow Riparian Forest</i></b> Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	G3	S3.2	



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
<b>Southern Mixed Riparian Forest</b> Southern Mixed Riparian Forest	CTT61340CA	None	None	G2	S2.1	
<b>Southern Riparian Scrub</b> Southern Riparian Scrub	CTT63300CA	None	None	G3	S3.2	
<b>Southern Sycamore Alder Riparian Woodland</b> Southern Sycamore Alder Riparian Woodland	CTT62400CA	None	None	G4	S4	
<b>Spea hammondi</b> western spadefoot	AAABF02020	Proposed Threatened	None	G2G3	S3S4	SSC
<b>Spinus lawrencei</b> Lawrence's goldfinch	ABPBY06100	None	None	G3G4	S4	
<b>Streptocephalus woottoni</b> Riverside fairy shrimp	ICBRA07010	Endangered	None	G1G2	S2	
<b>Symphotrichum defoliatum</b> San Bernardino aster	PDASTE80C0	None	None	G2	S2	1B.2
<b>Taxidea taxus</b> American badger	AMAJF04010	None	None	G5	S3	SSC
<b>Tortula californica</b> California screw moss	NBMUS7L090	None	None	G2G3	S2?	1B.2
<b>Trichocoronis wrightii var. wrightii</b> Wright's trichocoronis	PDAST9F031	None	None	G4T3	S1	2B.1
<b>Vireo bellii pusillus</b> least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S3	
<b>Xanthocephalus xanthocephalus</b> yellow-headed blackbird	ABPBXB3010	None	None	G5	S3	SSC

Record Count: 93



## CNPS Rare Plant Inventory

### Search Results

50 matches found. Click on scientific name for details

Search Criteria: , 9-Quad include [3311771:3311772:3311678:3311688:3311782:3311781:3311762:3311761:3311668]

▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	CA RARE PLANT RANK
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	Nyctaginaceae	annual herb	(Jan)Mar-Sep	None	None	G5T2?	S2	1B.1
<i>Allium marvinii</i>	Yucaipa onion	Alliaceae	perennial bulbiferous herb	Apr-May	None	None	G1	S2	1B.2
<i>Allium munzii</i>	Munz's onion	Alliaceae	perennial bulbiferous herb	Mar-May	FE	CT	G1	S1	1B.1
<i>Artemisia palmeri</i>	San Diego sagewort	Asteraceae	perennial deciduous shrub	(Feb)May-Sep	None	None	G3?	S3?	4.2
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch	Fabaceae	annual herb	May-Oct	None	None	GUT1	S1	1B.1
<i>Astragalus lentiginosus</i> var. <i>borreganus</i>	Borrego milk-vetch	Fabaceae	annual herb	Feb-May	None	None	G5T5?	S4	4.3
<i>Astragalus lentiginosus</i> var. <i>coachellae</i>	Coachella Valley milk-vetch	Fabaceae	annual/perennial herb	Feb-May	FE	None	G5T1	S1	1B.2
<i>Astragalus pachypus</i> var. <i>jaegeri</i>	Jaeger's milk-vetch	Fabaceae	perennial shrub	Dec-Jun	None	None	G4T1	S1	1B.1

<i>Atriplex coronata</i> var. <i>notatior</i>	San Jacinto Valley crownscale	Chenopodiaceae	annual herb	Apr-Aug	FE	None	G4T1	S1	1B.1
<i>Atriplex parishii</i>	Parish's brittlescale	Chenopodiaceae	annual herb	Jun-Oct	None	None	G1G2	S1	1B.1
<i>Atriplex serenana</i> var. <i>davidsonii</i>	Davidson's saltscale	Chenopodiaceae	annual herb	Apr-Oct	None	None	G5T1	S1	1B.2
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	Themidaceae	perennial bulbiferous herb	Mar-Jun	FT	CE	G2	S2	1B.1
<i>Calochortus</i> <i>palmeri</i> var. <i>palmeri</i>	Palmer's mariposa-lily	Liliaceae	perennial bulbiferous herb	Apr-Jul	None	None	G3T2	S2	1B.2
<i>Calochortus</i> <i>plummerae</i>	Plummer's mariposa-lily	Liliaceae	perennial bulbiferous herb	May-Jul	None	None	G4	S4	4.2
<i>Calochortus weedii</i> var. <i>intermedius</i>	intermediate mariposa-lily	Liliaceae	perennial bulbiferous herb	May-Jul	None	None	G3G4T3	S3	1B.2
<i>Caulanthus</i> <i>simulans</i>	Payson's jewelflower	Brassicaceae	annual herb	(Feb)Mar- May(Jun)	None	None	G4	S4	4.2
<i>Centromadia</i> <i>pungens</i> ssp. <i>laevis</i>	smooth tarplant	Asteraceae	annual herb	Apr-Sep	None	None	G3G4T2	S2	1B.1
<i>Chorizanthe</i> <i>leptotheca</i>	Peninsular spineflower	Polygonaceae	annual herb	May-Aug	None	None	G3	S3	4.2
<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower	Polygonaceae	annual herb	Apr-Jun	None	None	G3T2	S2	1B.1
<i>Chorizanthe</i> <i>polygonoides</i> var. <i>longispina</i>	long-spined spineflower	Polygonaceae	annual herb	Apr-Jul	None	None	G5T3	S3	1B.2
<i>Convolvulus</i> <i>simulans</i>	small- flowered morning-glory	Convolvulaceae	annual herb	Mar-Jul	None	None	G4	S4	4.2
<i>Deinandra</i> <i>mohavensis</i>	Mojave tarplant	Asteraceae	annual herb	(Jan- May)Jun- Oct	None	CE	G3	S3	1B.3
<i>Deinandra</i> <i>paniculata</i>	paniculate tarplant	Asteraceae	annual herb	(Mar)Apr- Nov	None	None	G4	S4	4.2

<i>Delphinium parishii</i> ssp. <i>subglobosum</i>	Colorado Desert larkspur	Ranunculaceae	perennial herb	Mar-Jun	None	None	G4T4	S4	4.3
<i>Delphinium parryi</i> ssp. <i>purpureum</i>	Mt. Pinos larkspur	Ranunculaceae	perennial herb	May-Jun	None	None	G4T4	S4	4.3
<i>Diplacus clevelandii</i>	Cleveland's bush monkeyflower	Phrymaceae	perennial rhizomatous herb	Apr-Jul	None	None	G4	S4	4.2
<i>Dodecahema leptoceras</i>	slender-horned spineflower	Polygonaceae	annual herb	Apr-Jun	FE	CE	G1	S1	1B.1
<i>Erythranthe diffusa</i>	Palomar monkeyflower	Phrymaceae	annual herb	Apr-Jun	None	None	G4	S3	4.3
<i>Harpagonella palmeri</i>	Palmer's grapplinghook	Boraginaceae	annual herb	Mar-May	None	None	G4	S3	4.2
<i>Holocarpha virgata</i> ssp. <i>elongata</i>	graceful tarplant	Asteraceae	annual herb	May-Nov	None	None	G5T3	S3	4.2
<i>Hordeum intercedens</i>	vernal barley	Poaceae	annual herb	Mar-Jun	None	None	G3G4	S3S4	3.2
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia	Rosaceae	perennial herb	Feb-Jul(Sep)	None	None	G4T1	S1	1B.1
<i>Imperata brevifolia</i>	California satintail	Poaceae	perennial rhizomatous herb	Sep-May	None	None	G3	S3	2B.1
<i>Juglans californica</i>	Southern California black walnut	Juglandaceae	perennial deciduous tree	Mar-Aug	None	None	G4	S4	4.2
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	Asteraceae	annual herb	Feb-Jun	None	None	G4T2	S2	1B.1
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	Brassicaceae	annual herb	Jan-Jul	None	None	G5T3	S3	4.3
<i>Mentzelia tricuspis</i>	spiny-hair blazing star	Loasaceae	annual herb	Mar-May	None	None	G4	S2	2B.1

<i>Microseris douglasii</i> ssp. <i>platycarpa</i>	small-flowered microseris	Asteraceae	annual herb	Mar-May	None	None	G4T4	S4	4.2
<i>Myosurus minimus</i> ssp. <i>apus</i>	little mousetail	Ranunculaceae	annual herb	Mar-Jun	None	None	G5T2Q	S2	3.1
<i>Nama stenocarpa</i>	mud nama	Namaceae	annual/perennial herb	Jan-Jul	None	None	G4G5	S1S2	2B.2
<i>Navarretia fossalis</i>	spreading navarretia	Polemoniaceae	annual herb	Apr-Jun	FT	None	G2	S2	1B.1
<i>Orcuttia californica</i>	California Orcutt grass	Poaceae	annual herb	Apr-Aug	FE	CE	G1	S1	1B.1
<i>Parkinsonia microphylla</i>	little-leaved palo verde	Fabaceae	perennial deciduous shrub	Apr-May	None	None	G5	S3	4.3
<i>Petalonyx linearis</i>	narrow-leaf sandpaper-plant	Loasaceae	perennial shrub	(Jan-Feb)Mar-May(Jun-Dec)	None	None	G4	S3?	2B.3
<i>Pseudognaphalium leucocephalum</i>	white rabbit-tobacco	Asteraceae	perennial herb	(Jul)Aug-Nov(Dec)	None	None	G4	S2	2B.2
<i>Quercus engelmannii</i>	Engelmann oak	Fagaceae	perennial deciduous tree	Mar-Jun	None	None	G3	S3	4.2
<i>Sidalcea neomexicana</i>	salt spring checkerbloom	Malvaceae	perennial herb	Mar-Jun	None	None	G4	S2	2B.2
<i>Symphotrichum defoliatum</i>	San Bernardino aster	Asteraceae	perennial rhizomatous herb	Jul-Nov	None	None	G2	S2	1B.2
<i>Tortula californica</i>	California screw moss	Pottiaceae	moss		None	None	G2G3	S2?	1B.2
<i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Wright's trichocoronis	Asteraceae	annual herb	May-Sep	None	None	G4T3	S1	2B.1

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