

## **Appendix H2**

IPaC CNDDDB CNPS Search Results

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# United States Department of the Interior



## FISH AND WILDLIFE SERVICE

Sacramento Fish and Wildlife Office

FEDERAL BUILDING, 2800 COTTAGE WAY, ROOM W-2605

SACRAMENTO, CA 95825

PHONE: (916)414-6600 FAX: (916)414-6713

Consultation Code: 08ESMF00-2017-SLI-0197

October 31, 2016

Event Code: 08ESMF00-2017-E-00329

Project Name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, under the jurisdiction of the U.S. Fish and Wildlife Service (Service) that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Please follow the link below to see if your proposed project has the potential to affect other species or their habitats under the jurisdiction of the National Marine Fisheries Service:

[http://www.nwr.noaa.gov/protected\\_species/species\\_list/species\\_lists.html](http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html)

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2)

of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan ([http://www.fws.gov/windenergy/eagle\\_guidance.html](http://www.fws.gov/windenergy/eagle_guidance.html)). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment



United States Department of Interior  
Fish and Wildlife Service

Project name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

## Official Species List

### Provided by:

Sacramento Fish and Wildlife Office  
FEDERAL BUILDING  
2800 COTTAGE WAY, ROOM W-2605  
SACRAMENTO, CA 95825  
(916) 414-6600

### Expect additional Species list documents from the following office(s):

San Francisco Bay-Delta Fish and Wildlife  
650 CAPITOL MALL  
SUITE 8-300  
SACRAMENTO, CA 95814  
(916) 930-5603  
[http://kim\\_squires@fws.gov](http://kim_squires@fws.gov)

**Consultation Code:** 08ESMF00-2017-SLI-0197

**Event Code:** 08ESMF00-2017-E-00329

**Project Type:** LAND - RESTORATION / ENHANCEMENT

**Project Name:** Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

**Project Description:** The Central Valley Project (CVP) is a federal water management project under the supervision of the U.S. Bureau of Reclamation (Reclamation), and the California State Water Project (SWP) is a state water management project under the supervision of the California Department of Water Resources (DWR). During Endangered Species Act consultation regarding the long-term operations of these two projects, the National Marine Fisheries Service issued a Biological Opinion (BO) in 2009 concluding that the CVP and SWP were likely to jeopardize the continued existence of endangered and threatened anadromous and marine species in the aquatic systems in the CVP and SWP project areas.

The BO included a Reasonable and Prudent Alternative (RPA) to allow the CVP and SWP to continue operating without causing jeopardy. From the suite of RPA Actions included, the Yolo Bypass EIS/EIR focuses on two: (1) RPA Action 1.6.1 – Increase seasonal floodplain inundation in the lower Sacramento River Basin and (2) RPA Action 1.7 – Improve fish passage throughout the Yolo Bypass.



United States Department of Interior  
Fish and Wildlife Service

Project name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

Reclamation and DWR recently initiated environmental documentation and compliance under the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA) involving the preparation of an EIS/EIR with an estimated completion date in 2017.

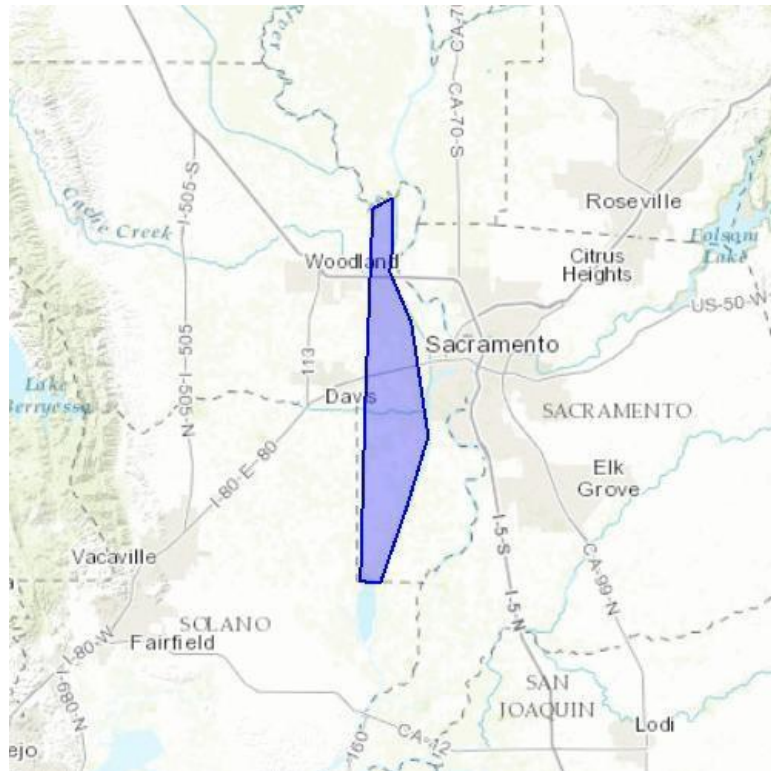
**Please Note:** The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior  
Fish and Wildlife Service

Project name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

### Project Location Map:



**Project Coordinates:** MULTIPOLYGON (((-121.63900444284081 38.71204692025875, -121.64547258988023 38.68052487560792, -121.6115386225283 38.62122668734194, -121.5873000025749 38.486038206087635, -121.61800676956771 38.40251943735868, -121.6583953052759 38.31383990487038, -121.68908832594751 38.3151006404974, -121.68101336807013 38.522695646176544, -121.66969746351242 38.75489716871696, -121.63900444284081 38.76750094746619, -121.63900444284081 38.71204692025875)))

**Project Counties:** Sutter, CA | Yolo, CA



## Endangered Species Act Species List

There are a total of 14 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Amphibians	Status	Has Critical Habitat	Condition(s)
California red-legged frog ( <i>Rana draytonii</i> ) Population: Wherever found	Threatened	Final designated	
California tiger Salamander ( <i>Ambystoma californiense</i> ) Population: U.S.A. (Central CA DPS)	Threatened	Final designated	
<b>Birds</b>			
western snowy plover ( <i>Charadrius nivosus ssp. nivosus</i> ) Population: Pacific Coast population DPS&U.S.A. (CA, OR, WA), Mexico (within 50 miles of Pacific coast)	Threatened	Final designated	
Yellow-Billed Cuckoo ( <i>Coccyzus americanus</i> ) Population: Western U.S. DPS	Threatened	Proposed	
<b>Crustaceans</b>			
Conservancy fairy shrimp ( <i>Branchinecta conservatio</i> ) Population: Wherever found	Endangered	Final designated	





United States Department of Interior  
Fish and Wildlife Service

Project name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

Vernal Pool fairy shrimp ( <i>Branchinecta lynchi</i> ) Population: Wherever found	Threatened	Final designated	
Vernal Pool tadpole shrimp ( <i>Lepidurus packardii</i> ) Population: Wherever found	Endangered	Final designated	
<b>Fishes</b>			
Delta smelt ( <i>Hypomesus transpacificus</i> ) Population: Wherever found	Threatened	Final designated	
steelhead ( <i>Oncorhynchus (=salmo) mykiss</i> ) Population: Northern California DPS	Threatened		
<b>Flowering Plants</b>			
Colusa grass ( <i>Neostapfia colusana</i> ) Population: Wherever found	Threatened	Final designated	
Palmate-Bracted bird's beak ( <i>Cordylanthus palmatus</i> ) Population: Wherever found	Endangered		
Solano grass ( <i>Tuctoria mucronata</i> ) Population: Wherever found	Endangered	Final designated	
<b>Insects</b>			
Valley Elderberry Longhorn beetle ( <i>Desmocerus californicus dimorphus</i> ) Population: Wherever found	Threatened	Final designated	
<b>Reptiles</b>			
Giant Garter snake ( <i>Thamnophis gigas</i> )	Threatened		



United States Department of Interior  
Fish and Wildlife Service

Project name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

Population: Wherever found			
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United States Department of Interior  
Fish and Wildlife Service

Project name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

## Critical habitats that lie within your project area

The following critical habitats lie fully or partially within your project area.

Crustaceans	Critical Habitat Type
Vernal Pool tadpole shrimp ( <i>Lepidurus packardi</i> ) Population: Wherever found	Final designated
Fishes	
Delta smelt ( <i>Hypomesus transpacificus</i> ) Population: Wherever found	Final designated
Flowering Plants	
Colusa grass ( <i>Neostapfia colusana</i> ) Population: Wherever found	Final designated
Solano grass ( <i>Tuctoria mucronata</i> ) Population: Wherever found	Final designated



## United States Department of the Interior



### FISH AND WILDLIFE SERVICE

San Francisco Bay-Delta Fish and Wildlife

650 CAPITOL MALL, SUITE 8-300

SACRAMENTO, CA 95814

PHONE: (916)930-5603 FAX: (916)930-5654

URL: [kim\\_squires@fws.gov](mailto:kim_squires@fws.gov)

Consultation Code: 08FBDT00-2017-SLI-0015

October 31, 2016

Event Code: 08FBDT00-2017-E-00017

Project Name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

#### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

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Fish and Wildlife Service

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FEDERAL BUILDING  
2800 COTTAGE WAY, ROOM W-2605  
SACRAMENTO, CA 95825  
(916) 414-6600

**Consultation Code:** 08FBDT00-2017-SLI-0015

**Event Code:** 08FBDT00-2017-E-00017

**Project Type:** LAND - RESTORATION / ENHANCEMENT

**Project Name:** Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

**Project Description:** The Central Valley Project (CVP) is a federal water management project under the supervision of the U.S. Bureau of Reclamation (Reclamation), and the California State Water Project (SWP) is a state water management project under the supervision of the California Department of Water Resources (DWR). During Endangered Species Act consultation regarding the long-term operations of these two projects, the National Marine Fisheries Service issued a Biological Opinion (BO) in 2009 concluding that the CVP and SWP were likely to jeopardize the continued existence of endangered and threatened anadromous and marine species in the aquatic systems in the CVP and SWP project areas.

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United States Department of Interior  
Fish and Wildlife Service

Project name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

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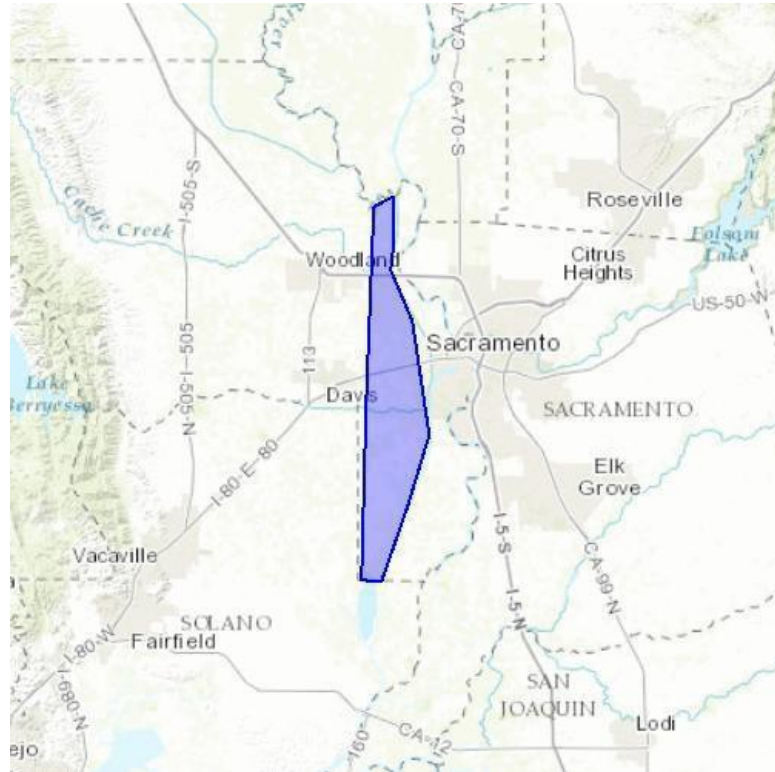
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United States Department of Interior  
Fish and Wildlife Service

Project name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

**Project Location Map:**



**Project Coordinates:** MULTIPOLYGON (((-121.63900444284081 38.71204692025875, -121.64547258988023 38.68052487560792, -121.6115386225283 38.62122668734194, -121.5873000025749 38.486038206087635, -121.61800676956771 38.40251943735868, -121.6583953052759 38.31383990487038, -121.68908832594751 38.3151006404974, -121.68101336807013 38.522695646176544, -121.66969746351242 38.75489716871696, -121.63900444284081 38.76750094746619, -121.63900444284081 38.71204692025875)))

**Project Counties:** Sutter, CA | Yolo, CA





## Endangered Species Act Species List

There are a total of 16 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Amphibians	Status	Has Critical Habitat	Condition(s)
California red-legged frog ( <i>Rana draytonii</i> ) Population: Wherever found	Threatened	Final designated	
California tiger Salamander ( <i>Ambystoma californiense</i> ) Population: U.S.A. (Central CA DPS)	Threatened	Final designated	
<b>Birds</b>			
Least Bell's vireo ( <i>Vireo bellii pusillus</i> ) Population: Wherever found	Endangered	Final designated	
western snowy plover ( <i>Charadrius nivosus ssp. nivosus</i> ) Population: Pacific Coast population DPS&U.S.A. (CA, OR, WA), Mexico (within 50 miles of Pacific coast)	Threatened	Final designated	
Yellow-Billed Cuckoo ( <i>Coccyzus americanus</i> ) Population: Western U.S. DPS	Threatened	Proposed	
<b>Crustaceans</b>			



United States Department of Interior  
Fish and Wildlife Service

Project name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

<b>Amphibians</b>	<b>Status</b>	<b>Has Critical Habitat</b>	<b>Condition(s)</b>
Conservancy fairy shrimp <i>(Branchinecta conservatio)</i> Population: Wherever found	Endangered	Final designated	
Vernal Pool fairy shrimp <i>(Branchinecta lynchi)</i> Population: Wherever found	Threatened	Final designated	
Vernal Pool tadpole shrimp <i>(Lepidurus packardii)</i> Population: Wherever found	Endangered	Final designated	
<b>Fishes</b>			
Delta smelt ( <i>Hypomesus transpacificus</i> ) Population: Wherever found	Threatened	Final designated	
steelhead ( <i>Oncorhynchus (=salmo) mykiss</i> ) Population: Northern California DPS	Threatened		
<b>Flowering Plants</b>			
Colusa grass ( <i>Neostapfia colusana</i> ) Population: Wherever found	Threatened	Final designated	
Palmate-Bracted bird's beak <i>(Cordylanthus palmatus)</i> Population: Wherever found	Endangered		
Solano grass ( <i>Tuctoria mucronata</i> ) Population: Wherever found	Endangered	Final designated	
<b>Insects</b>			
Delta Green Ground beetle ( <i>Elaphrus viridis</i> ) Population: Wherever found	Threatened	Final designated	



United States Department of Interior  
Fish and Wildlife Service

Project name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

<b>Amphibians</b>	<b>Status</b>	<b>Has Critical Habitat</b>	<b>Condition(s)</b>
Valley Elderberry Longhorn beetle <i>(Desmocerus californicus dimorphus)</i> Population: Wherever found	Threatened	Final designated	
<b>Reptiles</b>			
Giant Garter snake ( <i>Thamnophis gigas</i> ) Population: Wherever found	Threatened		



United States Department of Interior  
Fish and Wildlife Service

Project name: Yolo Bypass Salmonid Habitat Restoration and Fish Passage EIS/EIR

## Critical habitats that lie within your project area

The following critical habitats lie fully or partially within your project area.

Crustaceans	Critical Habitat Type
Vernal Pool tadpole shrimp ( <i>Lepidurus packardi</i> ) Population: Wherever found	Final designated
Fishes	
Delta smelt ( <i>Hypomesus transpacificus</i> ) Population: Wherever found	Final designated
Flowering Plants	
Colusa grass ( <i>Neostapfia colusana</i> ) Population: Wherever found	Final designated
Solano grass ( <i>Tuctoria mucronata</i> ) Population: Wherever found	Final designated



# Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad (Clarksburg (3812145) OR Davis (3812156) OR Grays Bend (3812166) OR Knights Landing (3812176) OR Liberty Island (3812136) OR Sacramento West (3812155) OR Saxon (3812146) OR Taylor Monument (3812165))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	None	G2G3	S1S2	SSC
<i>Ammodramus savannarum</i> grasshopper sparrow	ABPBXA0020	None	None	G5	S3	SSC
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G5	S3	SSC
<i>Archoplites interruptus</i> Sacramento perch	AFCQB07010	None	None	G2G3	S1	SSC
<i>Ardea alba</i> great egret	ABNGA04040	None	None	G5	S4	
<i>Ardea Herodias</i> great blue heron	ABNGA04010	None	None	G5	S4	
<i>Astragalus tener var. ferrisiae</i> Ferris' milk-vetch	PDFAB0F8R3	None	None	G2T1	S1	1B.1
<i>Astragalus tener var. tener</i> alkali milk-vetch	PDFAB0F8R1	None	None	G2T2	S2	1B.2
<i>Athene cucularia</i> burrowing owl	ABNSB10010	None	None	G4	S3	SSC
<i>Atriplex cordulata var. cordulata</i> heartscale	PDCHE040B0	None	None	G3T2	S2	1B.2
<i>Atriplex depressa</i> brittlescale	PDCHE042L0	None	None	G2	S2	1B.2
<i>Bombus crotchii</i> Crotch bumble bee	IIHYM24480	None	None	G3G4	S1S2	
<i>Bombus occidentalis</i> western bumble bee	IIHYM24250	None	None	G2G3	S1	
<i>Branchinecta conservation</i> Conservancy fairy shrimp	ICBRA03010	Endangered	None	G2	S2	
<i>Branchinecta lynchi</i> vernal pool fairy shrimp	ICBRA03030	Threatened	None	G3	S3	
<i>Branchinecta mesovallensis</i> midvalley fairy shrimp	ICBRA03150	None	None	G2	S2S3	
<i>Buteo swainsoni</i> Swainson's hawk	ABNKC19070	None	Threatened	G5	S3	
<i>Carex comosa</i> bristly sedge	PMCYP032Y0	None	None	G5	S2	2B.1
<i>Charadrius alexandrinus nivosus</i> western snowy plover	ABNNB03031	Threatened	None	G3T3	S2S3	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
<i>Charadrius montanus</i> mountain plover	ABNNB03100	None	None	G3	S2S3	SSC
<i>Chloropyron palmatum</i> palmate-bracted salty bird's-beak	PDSCR0J0J0	Endangered	Endangered	G1	S1	1B.1
<i>Cicindela hirticollis abrupta</i> Sacramento Valley tiger beetle	IICOL02106	None	None	G5TH	SH	
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	IICOL48011	Threatened	None	G3T2	S2	
<i>Egretta thula</i> snowy egret	ABNGA06030	None	None	G5	S4	
<i>Elanus leucurus</i> white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
<i>Elderberry Savanna</i> Elderberry Savanna	CTT63440CA	None	None	G2	S2.1	
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Extriplex joaquinana</i> San Joaquin spearscale	PDCHE041F3	None	None	G2	S2	1B.2
<i>Falco columbarius</i> merlin	ABNKD06030	None	None	G5	S3S4	WL
<i>Great Valley Cottonwood Riparian Forest</i> Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	G2	S2.1	
<i>Great Valley Mixed Riparian Forest</i> Great Valley Mixed Riparian Forest	CTT61420CA	None	None	G2	S2.2	
<i>Hibiscus lasiocarpus var. occidentalis</i> woolly rose-mallow	PDMAL0H0R3	None	None	G5T2	S2	1B.2
<i>Hypomesus transpacificus</i> Delta smelt	AFCHB01040	Threatened	Endangered	G1	S1	
<i>Juglans hindsii</i> Northern California black walnut	PDJUG02040	None	None	G1	S1	1B.1
<i>Lasionycteris noctivagans</i> silver-haired bat	AMACC02010	None	None	G5	S3S4	
<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>Lathyrus jepsonii var. jepsonii</i> Delta tule pea	PDFAB250D2	None	None	G5T2	S2	1B.2
<i>Lepidium latipes var. heckardii</i> Heckard's pepper-grass	PDBRA1M0K1	None	None	G4T1	S1	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
<b>Lepidurus packardii</b> vernal pool tadpole shrimp	ICBRA10010	Endangered	None	G4	S3S4	
<b>Lilaeopsis masonii</b> Mason's lilaeopsis	PDAP119030	None	Rare	G2	S2	1B.1
<b>Linderiella occidentalis</b> California linderiella	ICBRA06010	None	None	G2G3	S2S3	
<b>Melospiza melodia</b> song sparrow ("Modesto population)	ABPBXA3010	None	None	G5	S3?	SSC
<b>Myrmosula pacifica</b> Antioch multilid wasp	IIHYM15010	None	None	GH	SH	
<b>Navarretia leucocephala ssp. bakeri</b> Baker's navarretia	PDPLM0C0E1	None	None	G4T2	S2	1B.1
<b>Neostapfia colusana</b> Colusa grass	PMPOA4C010	Threatened	Endangered	G1	S1	1B.1
<b>Nycticorax nycticorax</b> black-crowned night heron	ABNGA11010	None	None	G5	S4	
<b>Oncorhynchus mykiss irideus</b> steelhead – Central Valley DPS	AFCHA0209K	Threatened	None	G5T2Q	S2	
<b>Oncorhynchus tshawytscha</b> chinook salmon – Central Valley spring-run ESU	AFCHA0205A	Threatened	Threatened	G5	S1	
<b>Oncorhynchus tshawytscha</b> chinook salmon – Sacramento River winter-run ESU	AFCHA0205B	Endangered	Endangered	G5	S1	
<b>Plagiobothrys hystriculus</b> bearded popcornflower	PDBOR0V0H0	None	None	G2	S2	1B.1
<b>Plegadis chihi</b> white-faced ibis	ABNGE02020	None	None	G5	S3S4	WL
<b>Pogonichthys macrolepidotus</b> Sacramento splittail	AFCJB34020	None	None	GNR	S3	SSC
<b>Progne subis</b> purple martin	ABPAU01010	None	None	G5	S3	SSC
<b>Puccinellia simplex</b> California alkali grass	PMPOA53110	None	None	G3	S2	1B.2
<b>Riparia riparia</b> Bank swallow	ABPAU08010	None	Threatened	G5	S2	
<b>Sagittaria sanfordii</b> Sanford's arrowhead	PMALI040Q0	None	None	G3	S3	1B.2
<b>Spirinchus thaleichthys</b> longfin smelt	AFCHB03010	Candidate	Threatened	G5	S1	SSC
<b>Symphotrichum lentum</b> Suisun Marsh aster	PDASTE8470	None	None	G2	S2	1B.2
<b>Taxidea taxus</b> American badger	AMAJF04010	None	None	G5	S3	SSC



## Selected Elements by Scientific Name

California Department of Fish and Wildlife

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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<b><i>Thaleichthys pacificus</i></b> eulachon	AFCHB04010	Threatened	None	G5	S3	
<b><i>Thamnophis gigas</i></b> giant gartersnake	ARADB36150	Threatened	Threatened	G2	S2	
<b><i>Trifolium hydrophilum</i></b> saline clover	PDFAB400R5	None	None	G2	S2	1B.2
<b><i>Tuctoria mucronate</i></b> Crampton's tuctoria or Solano grass	PMPOA6N020	Endangered	Endangered	G1	S1	1B.1
<b><i>Vireo bellii pusillus</i></b> least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S2	
<b><i>Xanthocephalus xanthocephalus</i></b> yellow-headed blackbird	ABPBXB3010	None	None	G5	S3	SSC

Record Count: 67



# CNPS *California Native Plant* Rare and Endangered Plant Inventory

## Plant List

13 matches found. *Click on scientific name for details*

### Search Criteria

Found in 9 Quads around 38121G6

Scientific Name	Common Name	Family	Lifeform	Rare Plant Rank	State Rank	Global Rank
<a href="#">Astragalus pauperculus</a>	depauperate milk-vetch	Fabaceae	annual herb	4.3	S4	G4
<a href="#">Astragalus tener var. tener</a>	alkali milk-vetch	Fabaceae	annual herb	1B.2	S2	G2T2
<a href="#">Atriplex depressa</a>	brittlescale	Chenopodiaceae	annual herb	1B.2	S2	G2
<a href="#">Centromadia parryi ssp. Rudis</a>	Parry's rough tarplant	Asteraceae	annual herb	4.2	S3	G3T3
<a href="#">Chloropyron palmatum</a>	palmate-bracted bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	1B.1	S1	G1
<a href="#">Extriplex joaquinana</a>	San Joaquin spearscale	Chenopodiaceae	annual herb	1B.2	S2	G2
<a href="#">Hibiscus lasiocarpus var. occidentalis</a>	woolly rose-mallow	Malvaceae	perennial rhizomatous herb	1B.2	S2	G5T2
<a href="#">Lepidium latipes var. heckardii</a>	Heckard's pepper-grass	Brassicaceae	annual herb	1B.2	S2	G4T2
<a href="#">Lessingia hololeuca</a>	woolly-headed lessingia	Asteraceae	annual herb	3	S3?	G3?
<a href="#">Puccinellia simplex</a>	California alkali grass	Poaceae	annual herb	1B.2	S2	G3
<a href="#">Sagittaria sanfordii</a>	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb	1B.2	S3	G3
<a href="#">Trichocoronis wrightii var. wrightii</a>	Wright's trichocoronis	Asteraceae	annual herb	2B.1	S1	G4T3
<a href="#">Trifolium hydrophilum</a>	saline clover	Fabaceae	annual herb	1B.2	S2	G2

### Suggested Citation

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# Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad (Sacramento West (3812155) OR Clarksburg (3812145) OR Davis (3812156) OR Grays Bend (3812166) OR Knights Landing (3812176) OR Liberty Island (3812136) OR Rio Vista (3812126) OR Saxon (3812146) OR Taylor Monument (3812165))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	Candidate Endangered	G2G3	S1S2	SSC
<i>Ammodramus savannarum</i> grasshopper sparrow	ABPBXA0020	None	None	G5	S3	SSC
<i>Anthicus antiochensis</i> Antioch Dunes anthicid beetle	IICOL49020	None	None	G1	S1	
<i>Anthicus sacramento</i> Sacramento anthicid beetle	IICOL49010	None	None	G1	S1	
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G5	S3	SSC
<i>Archoplites interruptus</i> Sacramento perch	AFCQB07010	None	None	G2G3	S1	SSC
<i>Ardea alba</i> great egret	ABNGA04040	None	None	G5	S4	
<i>Ardea herodias</i> great blue heron	ABNGA04010	None	None	G5	S4	
<i>Astragalus tener var. ferrisiae</i> Ferris' milk-vetch	PDFAB0F8R3	None	None	G2T1	S1	1B.1
<i>Astragalus tener var. tener</i> alkali milk-vetch	PDFAB0F8R1	None	None	G2T2	S2	1B.2
<i>Athene cunicularia</i> burrowing owl	ABNSB10010	None	None	G4	S3	SSC
<i>Atriplex cordulata var. cordulata</i> heartscale	PDCHE040B0	None	None	G3T2	S2	1B.2
<i>Atriplex depressa</i> brittlescale	PDCHE042L0	None	None	G2	S2	1B.2
<i>Bombus crotchii</i> Crotch bumble bee	IIHYM24480	None	None	G3G4	S1S2	
<i>Bombus occidentalis</i> western bumble bee	IIHYM24250	None	None	G2G3	S1	
<i>Branchinecta conservation</i> Conservancy fairy shrimp	ICBRA03010	Endangered	None	G2	S2	
<i>Branchinecta lynchi</i> vernal pool fairy shrimp	ICBRA03030	Threatened	None	G3	S3	
<i>Branchinecta mesovallensis</i> midvalley fairy shrimp	ICBRA03150	None	None	G2	S2S3	
<i>Buteo swainsoni</i> Swainson's hawk	ABNKC19070	None	Threatened	G5	S3	



## Selected Elements by Scientific Name

California Department of Fish and Wildlife

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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Carex comosa</i> bristly sedge	PMCYP032Y0	None	None	G5	S2	2B.1
<i>Charadrius alexandrinus nivosus</i> western snowy plover	ABNNB03031	Threatened	None	G3T3	S2S3	SSC
<i>Charadrius montanus</i> mountain plover	ABNNB03100	None	None	G3	S2S3	SSC
<i>Chloropyron palmatum</i> palmate-bracted salty bird's-beak	PDSCR0J0J0	Endangered	Endangered	G1	S1	1B.1
<i>Cicindela hirticollis abrupta</i> Sacramento Valley tiger beetle	IICOL02106	None	None	G5TH	SH	
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	IICOL48011	Threatened	None	G3T2	S2	
<i>Egretta thula</i> snowy egret	ABNGA06030	None	None	G5	S4	
<i>Elanus leucurus</i> white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
<i>Elderberry Savanna</i> Elderberry Savanna	CTT63440CA	None	None	G2	S2.1	
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Eryngium jepsonii</i> Jepson's coyote-thistle	PDAPI0Z130	None	None	G2	S2	1B.2
<i>Extriplex joaquinana</i> San Joaquin spearscale	PDCHE041F3	None	None	G2	S2	1B.2
<i>Falco columbarius</i> merlin	ABNKD06030	None	None	G5	S3S4	WL
<i>Falco peregrinus anatum</i> American peregrine falcon	ABNKD06071	Delisted	Delisted	G4T4	S3S4	FP
<i>Great Valley Cottonwood Riparian Forest</i> Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	G2	S2.1	
<i>Great Valley Mixed Riparian Forest</i> Great Valley Mixed Riparian Forest	CTT61420CA	None	None	G2	S2.2	
<i>Hibiscus lasiocarpus var. occidentalis</i> woolly rose-mallow	PDMAL0H0R3	None	None	G5T3	S2	1B.2
<i>Hypomesus transpacificus</i> Delta smelt	AFCHB01040	Threatened	Endangered	G1	S1	
<i>Juglans hindsii</i> Northern California black walnut	PDJUG02040	None	None	G1	S1	1B.1
<i>Lasionycteris noctivagans</i> silver-haired bat	AMACC02010	None	None	G5	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
<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>Laterallus jamaicensis coturniculus</i> California black rail	ABNME03041	None	Threatened	G3G4T1	S1	FP
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i> Delta tule pea	PDFAB250D2	None	None	G5T2	S2	1B.2
<i>Lepidium latipes</i> var. <i>heckardii</i> Heckard's pepper-grass	PDBRA1M0K1	None	None	G4T1	S1	1B.2
<i>Lepidurus packardii</i> vernal pool tadpole shrimp	ICBRA10010	Endangered	None	G4	S3S4	
<i>Lilaeopsis masonii</i> Mason's lilaeopsis	PDAPI19030	None	Rare	G2	S2	1B.1
<i>Limosella australis</i> Delta mudwort	PDSCR10030	None	None	G4G5	S2	2B.1
<i>Linderiella occidentalis</i> California linderiella	ICBRA06010	None	None	G2G3	S2S3	
<i>Melospiza melodia</i> song sparrow ("Modesto population)	ABPBXA3010	None	None	G5	S3?	SSC
<i>Myrmosula pacifica</i> Antioch multilid wasp	IIHYM15010	None	None	GH	SH	
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i> Baker's navarretia	PDPLM0C0E1	None	None	G4T2	S2	1B.1
<i>Neostapfia colusana</i> Colusa grass	PMPOA4C010	Threatened	Endangered	G1	S1	1B.1
<i>Nycticorax nycticorax</i> black-crowned night heron	ABNGA11010	None	None	G5	S4	
<i>Oncorhynchus mykiss irideus</i> steelhead – Central Valley DPS	AFCHA0209K	Threatened	None	G5T2Q	S2	
<i>Oncorhynchus tshawytscha</i> chinook salmon – Central Valley spring-run ESU	AFCHA0205A	Threatened	Threatened	G5	S1	
<i>Oncorhynchus tshawytscha</i> chinook salmon – Sacramento River winter-run ESU	AFCHA0205B	Endangered	Endangered	G5	S1	
<i>Plagiobothrys hystriculus</i> bearded popcornflower	PDBOR0V0H0	None	None	G2	S2	1B.1
<i>Plegadis chihi</i> white-faced ibis	ABNGE02020	None	None	G5	S3S4	WL
<i>Pogonichthys macrolepidotus</i> Sacramento splittail	AFCJB34020	None	None	GNR	S3	SSC
<i>Progne subis</i> purple martin	ABPAU01010	None	None	G5	S3	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>Puccinellia simplex</i></b> California alkali grass	PMPOA53110	None	None	G3	S2	1B.2
<b><i>Riparia riparia</i></b> bank swallow	ABPAU08010	None	Threatened	G5	S2	
<b><i>Sagittaria sanfordii</i></b> Sanford's arrowhead	PMALI040Q0	None	None	G3	S3	1B.2
<b><i>Spirinchus thaleichthys</i></b> longfin smelt	AFCHB03010	Candidate	Threatened	G5	S1	SSC
<b><i>Symphotrichum lentum</i></b> Suisun Marsh aster	PDASTE8470	None	None	G2	S2	1B.2
<b><i>Taxidea taxus</i></b> American badger	AMAJF04010	None	None	G5	S3	SSC
<b><i>Thaleichthys pacificus</i></b> eulachon	AFCHB04010	Threatened	None	G5	S3	
<b><i>Thamnophis gigas</i></b> giant gartersnake	ARADB36150	Threatened	Threatened	G2	S2	
<b><i>Trifolium hydrophilum</i></b> saline clover	PDFAB400R5	None	None	G2	S2	1B.2
<b><i>Tuctoria mucronata</i></b> Crampton's tuctoria or Solano grass	PMPOA6N020	Endangered	Endangered	G1	S1	1B.1
<b><i>Vireo bellii pusillus</i></b> least Bell's vireo	ABPBW01114	Endangered	Endangered	G5t2	S2	
<b><i>Xanthocephalus xanthocephalus</i></b> yellow-headed blackbird	ABPBXB3010	None	None	G5	S3	SSC

Record Count: 73

# CNPS *California Native Plant* Rare and Endangered Plant Inventory

## Plant List

13 matches found. *Click on scientific name for details*

### Search Criteria

Found in 9 Quads around 38121G6

Scientific Name	Common Name	Family	Lifeform	Rare Plant Rank	State Rank	Global Rank
<a href="#">Astragalus pauperculus</a>	depauperate milk-vetch	Fabaceae	annual herb	4.3	S4	G4
<a href="#">Astragalus tener var. tener</a>	alkali milk-vetch	Fabaceae	annual herb	1B.2	S2	G2T2
<a href="#">Atriplex depressa</a>	brittlescale	Chenopodiaceae	annual herb	1B.2	S2	G2
<a href="#">Centromadia parryi ssp. rudis</a>	Parry's rough tarplant	Asteraceae	annual herb	4.2	S3	G3T3
<a href="#">Chloropyron palmatum</a>	palmate-bracted bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	1B.1	S1	G1
<a href="#">Extriplex joaquinana</a>	San Joaquin spearscale	Chenopodiaceae	annual herb	1B.2	S2	G2
<a href="#">Hibiscus lasiocarpus var. occidentalis</a>	woolly rose-mallow	Malvaceae	perennial rhizomatous herb	1B.2	S2	G5T2
<a href="#">Lepidium latipes var. heckardii</a>	Heckard's pepper-grass	Brassicaceae	annual herb	1B.2	S2	G4T2
<a href="#">Lessingia hololeuca</a>	woolly-headed lessingia	Asteraceae	annual herb	3	S3?	G3?
<a href="#">Puccinellia simplex</a>	California alkali grass	Poaceae	annual herb	1B.2	S2	G3
<a href="#">Sagittaria sanfordii</a>	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb	1B.2	S3	G3
<a href="#">Trichocoronis wrightii var. wrightii</a>	Wright's trichocoronis	Asteraceae	annual herb	2B.1	S1	G4T3
<a href="#">Trifolium hydrophilum</a>	saline clover	Fabaceae	annual herb	1B.2	S2	G2

### Suggested Citation

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