

Draft Environmental Assessment

**Delivery and Use of Unreleased San Joaquin River
Restoration Flows (Water Contract Years 2016-
2025)**

Attachment A – Proposed Action – California Natural Diversity Database Query and US Fish and Wildlife Service Endangered Species List





Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad is (Academy (3611985) or Allensworth (3511974) or Alpaugh (3511984) or Arena (3712036) or Arvin (3511827) or Atwater (3712035) or Auckland (3611951) or Avenal (3612012) or Bear Mountain (3511826) or Belridge (3511946) or Bena (3511836) or Berenda (3712012) or Biola (3612071) or Bliss Ranch (3712014) or Bonita Ranch (3612082) or Broadview Farms (3612075) or Brush Lake (3712151) or Burrel (3611948) or Burris Park (3611945) or Buttonwillow (3511944) or Cairns Corner (3611922) or Calflax (3612031) or Cantua Creek (3612053) or Caruthers (3611957) or Chaney Ranch (3612065) or Charleston School (3612087) or Chounet Ranch (3612066) or Chowchilla (3712013) or Cloverdale (3812371) or Clovis (3611976) or Coal Oil Canyon (3511911) or Coit Ranch (3612064) or Conejo (3611956) or Conner (3511921) or Conner SW (3511912) or Corcoran (3611915) or Cressey (3712046) or Crows Landing (3712141) or Daulton (3711918) or Deepwell Ranch (3511961) or Delano East (3511972) or Delano West (3511973) or Delta Ranch (3712016) or Domingue Ranch (3612033) or Dos Palos (3612086) or Ducor (3511981) or Dudley Ridge (3511987) or East Elk Hills (3511934) or Edison (3511837) or El Nido (3712024) or El Rico Ranch (3611916) or Exeter (3611932) or Famoso (3511952) or Firebaugh (3612074) or Firebaugh NE (3612083) or Five Points (3612041) or Fountain Springs (3511888) or Frazier Valley (3611828) or Fresno North (3611977) or Fresno South (3611967) or Friant (3611986) or Gosford (3511931) or Goshen (3611934) or Gravelly Ford (3612072) or Gregg (3611988) or Guernsey (3611926) or Gujarral Hills (3612022) or Gustine (3712038) or Hacienda Ranch (3511975) or Hacienda Ranch NE (3511985) or Hacienda Ranch NW (3511986) or Hammonds Ranch (3612076) or Hanford (3611936) or Harris Ranch (3612032) or Hatch (3712048) or Haystack Mtn. (3712043) or Helm (3612051) or Herndon (3611978) or Howard Ranch (3712121) or Huron (3612021) or Indian Gulch (3712042) or Ingomar (3712028) or Ivanhoe (3611942) or Jamesan (3612062) or Kearney Park (3611968) or Kerman (3612061) or Kettleman City (3611918) or Kismet (3712011) or La Cima (3612011) or La Grange (3712064) or Laguna Seca Ranch (3612077) or Lamont (3511838) or Lanes Bridge (3611987) or Laton (3611946) or Le Grand (3712022) or Lemoore (3611937) or Levis (3612054) or Lillis Ranch (3612044) or Lindsay (3611921) or Little Table Mtn. (3711917) or Lokern (3511945) or Lone Tree Creek (3712154) or Lone Tree Well (3511976) or Los Banos (3712017) or Los Viejos (3511988) or Lost Hills (3511956) or Lost Hills NE (3511965) or Lost Hills NW (3511966) or Madera (3612081) or Malaga (3611966) or McFarland (3511962) or Mendota Dam (3612073) or Merced (3712034) or Merced Falls (3712053) or Mettler (3511818) or Millerton Lake East (3711915) or Millerton Lake West (3711916) or Millux (3511922) or Monocline Ridge (3612055) or Monson (3611943) or Montpelier (3712056) or Mouth of Kern (3511923) or Newman (3712131) or North of Oildale (3511951) or Oil Center (3511848) or Oildale (3511941) or Orange Cove North (3611963) or Orange Cove South (3611953) or Orestimba Peak (3712132) or Ortigalita Peak NW (3612088) or Owens Reservoir (3712032) or Oxalis (3612085) or Paige (3611924) or Patterson (3712142) or Pentland (3511913) or Piedra (3611974) or Pixley (3511983) or Plainsburg (3712023) or Planada (3712033) or Pond (3511963) or Porterville (3611911) or Poso Farm (3612084) or Quincy School (3511878) or Raisin (3611958) or Raymond (3711928) or Raynor Creek (3712021) or Reedley (3611954) or Remnoy (3611935) or Richgrove (3511971) or Rio Bravo (3511943) or Rio Bravo Ranch (3511847) or Ripon (3712162) or Riverdale (3611947) or Rocky Hill (3611931) or Rosedale (3511942) or Round Mountain (3611975) or San Joaquin (3612052) or San Luis Dam (3712111) or San Luis Ranch (3712027) or Sand Canyon (3511868) or Sandy Mush (3712025) or Sanger (3611965) or Santa Rita Bridge (3712015) or Sausalito School (3511982) or Selma (3611955) or Semitropic (3511955) or Snelling (3712054) or Solyo (3712153) or Stevens (3511932) or Stevinson (3712037) or Stokes Mtn. (3611952) or Stratford (3611927) or Stratford Se (3611917) or Success Dam (3611818) or Taft (3511924) or Taylor Weir (3611914) or Tejon Hills (3511817) or Tipton (3611913) or Tracy (3712164) or Tranquillity (3612063) or Traver (3611944) or Tres Picos Farms (3612043) or Tucker Mtn. (3611962) or Tulare (3611923) or Tupman (3511933) or Turlock (3712047) or Turlock Lake (3712055) or Turner Ranch (3712026) or Vanguard (3611938) or Vernalis (3712163) or Visalia (3611933) or Volta (3712018) or Wahtoke (3611964) or Wasco (3511953) or Wasco NW (3511964) or Wasco SW (3511954) or Waukena (3611925) or Weed Patch (3511828) or West Camp (3511977) or West Elk Hills (3511935) or Westhaven (3611928) or Westley (3712152) or Westside (3612042) or Winton (3712045) or Woodlake (3611941) or Woodville (3611912) or Yosemite Lake (3712044))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Accipiter cooperii</i> Cooper's hawk	ABNKC12040	None	None	G5	S4	WL
<i>Aegialia concinna</i> Ciervo aegilian scarab beetle	IICOL64010	None	None	G1	S1	
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	None	G2G3	S1S2	SSC
<i>Agrostis hendersonii</i> Henderson's bent grass	PMPOA040K0	None	None	G2Q	S2	3.2
<i>Alkali Seep</i> Alkali Seep	CTT45320CA	None	None	G3	S2.1	
<i>Allium peninsulare</i> var. <i>franciscanum</i> Franciscan onion	PMLIL021R1	None	None	G5T1	S1	1B.2
<i>Ambystoma californiense</i> California tiger salamander	AAAAA01180	Threatened	Threatened	G2G3	S2S3	SSC
<i>Ammospermophilus nelsoni</i> Nelson's antelope squirrel	AMAFB04040	None	Threatened	G2	S2	



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<i>Amsinckia grandiflora</i> large-flowered fiddleneck	PDBOR01050	Endangered	Endangered	G1	S1	1B.1
<i>Andrena macswaini</i> An andrenid bee	IIHYM35130	None	None	G2	S2	
<i>Anniella pulchra pulchra</i> silvery legless lizard	ARACC01012	None	None	G3G4T3T4Q	S3	SSC
<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>Aquila chrysaetos</i> golden eagle	ABNKC22010	None	None	G5	S3	FP
<i>Arctostaphylos manzanita ssp. elegans</i> Konocti manzanita	PDERI04271	None	None	G5T3	S3	1B.3
<i>Ardea alba</i> great egret	ABNGA04040	None	None	G5	S4	
<i>Ardea herodias</i> great blue heron	ABNGA04010	None	None	G5	S4	
<i>Asio flammeus</i> short-eared owl	ABNSB13040	None	None	G5	S3	SSC
<i>Asio otus</i> long-eared owl	ABNSB13010	None	None	G5	S3?	SSC
<i>Astragalus hornii var. hornii</i> Horn's milk-vetch	PDFAB0F421	None	None	G4G5T2T3	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 cordulata var. erecticaulis</i> Earlimart orache	PDCHE042V0	None	None	G3T1	S1	1B.2
<i>Atriplex coronata var. vallicola</i> Lost Hills crownscale	PDCHE04250	None	None	G4T2	S2	1B.2
<i>Atriplex depressa</i> brittlescale	PDCHE042L0	None	None	G2	S2	1B.2
<i>Atriplex minuscula</i> lesser saltscale	PDCHE042M0	None	None	G2	S2	1B.1
<i>Atriplex persistens</i> vernal pool smallscale	PDCHE042P0	None	None	G2	S2	1B.2
<i>Atriplex subtilis</i> subtle orache	PDCHE042T0	None	None	G1	S1	1B.2



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<i>Atriplex tularensis</i> Bakersfield smallscale	PDCHE04240	None	Endangered	GX	SX	1A
<i>Batrachoseps relictus</i> relictual slender salamander	AAAAD02070	None	None	G1	S1	SSC
<i>Blepharizonia plumosa</i> big tarplant	PDAST1C011	None	None	G2	S2	1B.1
<i>Bombus caliginosus</i> obscure bumble bee	IIHYM24380	None	None	G4?	S1S2	
<i>Bombus crotchii</i> Crotch bumble bee	IIHYM24480	None	None	G3G4	S1S2	
<i>Bombus morrisoni</i> Morrison bumble bee	IIHYM24460	None	None	G4G5	S1S2	
<i>Branchinecta conservatio</i> Conservancy fairy shrimp	ICBRA03010	Endangered	None	G1	S1	
<i>Branchinecta longiantenna</i> longhorn fairy shrimp	ICBRA03020	Endangered	None	G1	S1	
<i>Branchinecta lynchi</i> vernal pool fairy shrimp	ICBRA03030	Threatened	None	G3	S3	
<i>Branchinecta mesovallensis</i> midvalley fairy shrimp	ICBRA03150	None	None	G2	S2	
<i>Branta hutchinsii leucopareia</i> cackling (=Aleutian Canada) goose	ABNJB05035	Delisted	None	G5T3	S2	
<i>Brodiaea insignis</i> Kaweah brodiaea	PMLIL0C060	None	Endangered	G1	S1	1B.2
<i>Buteo regalis</i> ferruginous hawk	ABNKC19120	None	None	G4	S3S4	WL
<i>Buteo swainsoni</i> Swainson's hawk	ABNKC19070	None	Threatened	G5	S3	
<i>Calicina macula</i> marbled harvestman	ILARAU8060	None	None	G1	S1	
<i>Calicina mesaensis</i> Table Mountain harvestman	ILARAU8070	None	None	G1	S1	
<i>Calicina piedra</i> Piedra harvestman	ILARAU8080	None	None	G1	S1	
<i>California macrophylla</i> round-leaved filaree	PDGER01070	None	None	G3?	S3?	1B.2
<i>Calochortus striatus</i> alkali mariposa-lily	PMLIL0D190	None	None	G3	S3	1B.2
<i>Calycadenia hooveri</i> Hoover's calycadenia	PDAST1P040	None	None	G3	S3	1B.3
<i>Carpenteria californica</i> tree-anemone	PDHDR04010	None	Threatened	G1?	S1?	1B.2



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<i>Castilleja campestris</i> var. <i>succulenta</i> succulent owl's-clover	PDSCR0D3Z1	Threatened	Endangered	G4?T2	S2	1B.2
<i>Caulanthus californicus</i> California jewelflower	PDBRA31010	Endangered	Endangered	G1	S1	1B.1
<i>Caulanthus lemmonii</i> Lemmon's jewelflower	PDBRA0M0E0	None	None	G3	S3	1B.2
<i>Ceanothus confusus</i> Rincon Ridge ceanothus	PDRHA04220	None	None	G1	S1	1B.1
<i>Ceratochrysis menkei</i> Menke's cuckoo wasp	IIHYM71050	None	None	G1	S1	
<i>Charadrius alexandrinus nivosus</i> western snowy plover	ABNNB03031	Threatened	None	G3T3	S2	SSC
<i>Charadrius montanus</i> mountain plover	ABNNB03100	None	None	G3	S2?	SSC
<i>Chloropyron molle</i> ssp. <i>hispidum</i> hispid salty bird's-beak	PDSCR0J0D1	None	None	G2T2	S2	1B.1
<i>Chloropyron palmatum</i> palmate-bracted salty bird's-beak	PDSCR0J0J0	Endangered	Endangered	G1	S1	1B.1
<i>Chrysis tularensis</i> Tulare cuckoo wasp	IIHYM72010	None	None	G1G2	S1S2	
<i>Cicindela tranquebarica</i> ssp. San Joaquin tiger beetle	IICOL0220E	None	None	G5T1	S1	
<i>Circus cyaneus</i> northern harrier	ABNKC11010	None	None	G5	S3	SSC
<i>Cirsium crassicaule</i> slough thistle	PDAST2E0U0	None	None	G2	S2	1B.1
<i>Cismontane Alkali Marsh</i> Cismontane Alkali Marsh	CTT52310CA	None	None	G1	S1.1	
<i>Clarkia biloba</i> ssp. <i>australis</i> Mariposa clarkia	PDONA05051	None	None	G4G5T2T3	S2S3	1B.2
<i>Clarkia rostrata</i> beaked clarkia	PDONA050Y0	None	None	G2G3	S2S3	1B.3
<i>Clarkia springvillensis</i> Springville clarkia	PDONA05120	Threatened	Endangered	G2	S2	1B.2
<i>Clarkia tembloriensis</i> ssp. <i>calientensis</i> Vasek's clarkia	PDONA05141	None	None	G3T1	S1	1B.1
<i>Coastal and Valley Freshwater Marsh</i> Coastal and Valley Freshwater Marsh	CTT52410CA	None	None	G3	S2.1	
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
<i>Coelus gracilis</i> San Joaquin dune beetle	IICOL4A020	None	None	G1	S1	



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<i>Corynorhinus townsendii</i> Townsend's big-eared bat	AMACC08010	None	Candidate Threatened	G3G4	S2	SSC
<i>Coturnicops noveboracensis</i> yellow rail	ABNME01010	None	None	G4	S1S2	SSC
<i>Cryptantha dissita</i> serpentine cryptantha	PDBOR0A0H2	None	None	G2	S2	1B.2
<i>Cryptantha hooveri</i> Hoover's cryptantha	PDBOR0A190	None	None	GH	SH	1A
<i>Cryptantha mariposae</i> Mariposa cryptantha	PDBOR0A1Q0	None	None	G3	S3	1B.3
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i> Peruvian dodder	PDCUS01111	None	None	G5T4T5	SH	2B.2
<i>Danaus plexippus</i> pop. 1 monarch - California overwintering population	IILEPP2012	None	None	G4T2T3	S2S3	
<i>Deinandra halliana</i> Hall's tarplant	PDAST4R0C0	None	None	G1	S1	1B.1
<i>Delphinium californicum</i> ssp. <i>interius</i> Hospital Canyon larkspur	PDRAN0B0A2	None	None	G3T3	S3	1B.2
<i>Delphinium purpusii</i> rose-flowered larkspur	PDRAN0B1G0	None	None	G3	S3	1B.3
<i>Delphinium recurvatum</i> recurved larkspur	PDRAN0B1J0	None	None	G3	S3	1B.2
<i>Dendrocygna bicolor</i> fulvous whistling-duck	ABNJB01010	None	None	G5	S1	SSC
<i>Desmocerus californicus dimorphus</i> valley elderberry longhorn beetle	IICOL48011	Threatened	None	G3T2	S2	
<i>Dicamptodon ensatus</i> California giant salamander	AAAAH01020	None	None	G3	S2S3	
<i>Dipodomys heermanni dixonii</i> Merced kangaroo rat	AMAFD03062	None	None	G3G4T2T3	S2S3	
<i>Dipodomys ingens</i> giant kangaroo rat	AMAFD03080	Endangered	Endangered	G1G2	S1S2	
<i>Dipodomys nitratoideus brevinasus</i> short-nosed kangaroo rat	AMAFD03153	None	None	G3T1T2	S1S2	SSC
<i>Dipodomys nitratoideus exilis</i> Fresno kangaroo rat	AMAFD03151	Endangered	Endangered	G3TH	SH	
<i>Dipodomys nitratoideus nitratoideus</i> Tipton kangaroo rat	AMAFD03152	Endangered	Endangered	G3T1T2	S1S2	
<i>Downingia pusilla</i> dwarf downingia	PDCAM060C0	None	None	GU	S2	2B.2
<i>Efferia antiochi</i> Antioch efferian robberfly	IIDIP07010	None	None	G1G2	S1S2	



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<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>Empidonax traillii</i> willow flycatcher	ABPAE33040	None	Endangered	G5	S1S2	
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Ensatina eschscholtzii croceator</i> yellow-blotched salamander	AAAAD04011	None	None	G5T3	S3	SSC
<i>Entosphenus hubbsi</i> Kern brook lamprey	AFBAA02040	None	None	G1G2	S1S2	SSC
<i>Eremalche kernensis</i> Kern mallow	PDMAL0C031	Endangered	None	G3?T2Q	S2	1B.1
<i>Eremophila alpestris actia</i> California horned lark	ABPAT02011	None	None	G5T3Q	S3	WL
<i>Eriastrum hooveri</i> Hoover's eriastrum	PDPLM03070	Delisted	None	G3	S3	4.2
<i>Eriastrum tracyi</i> Tracy's eriastrum	PDPLM030C0	None	Rare	G3Q	S3	3.2
<i>Eriogonum nudum var. regirivum</i> Kings River buckwheat	PDPGN0849F	None	None	G5T2	S2	1B.2
<i>Eriogonum temblorense</i> Temblor buckwheat	PDPGN085P0	None	None	G2	S2	1B.2
<i>Eryngium racemosum</i> Delta button-celery	PDAP10Z0S0	None	Endangered	G1Q	S1	1B.1
<i>Eryngium spinosepalum</i> spiny-sepaled button-celery	PDAP10Z0Y0	None	None	G2	S2	1B.2
<i>Eschscholzia lemmonii ssp. kernensis</i> Tejon poppy	PDPAP0A071	None	None	G5T2	S2	1B.1
<i>Eschscholzia rhombipetala</i> diamond-petaled California poppy	PDPAP0A0D0	None	None	G1	S1	1B.1
<i>Euderma maculatum</i> spotted bat	AMACC07010	None	None	G4	S3	SSC
<i>Eumops perotis californicus</i> western mastiff bat	AMACD02011	None	None	G5T4	S3S4	SSC
<i>Euphorbia hooveri</i> Hoover's spurge	PDEUP0D150	Threatened	None	G2	S2	1B.2
<i>Extriplex joaquinana</i> San Joaquin spearscale	PDCHE041F3	None	None	G2	S2	1B.2



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<i>Falco columbarius</i> merlin	ABNKD06030	None	None	G5	S3S4	WL
<i>Falco mexicanus</i> prairie falcon	ABNKD06090	None	None	G5	S4	WL
<i>Fritillaria striata</i> striped adobe-lily	PMLIL0V0K0	None	Threatened	G2?	S2?	1B.1
<i>Gambelia sila</i> blunt-nosed leopard lizard	ARACF07010	Endangered	Endangered	G1	S1	FP
<i>Glyceria grandis</i> American manna grass	PMPOA2Y080	None	None	G5	S3	2B.3
<i>Gratiola heterosepala</i> Boggs Lake hedge-hyssop	PDSCR0R060	None	Endangered	G2	S2	1B.2
<i>Great Valley Cottonwood Riparian Forest</i> Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	G2	S2.1	
<i>Great Valley Mesquite Scrub</i> Great Valley Mesquite Scrub	CTT63420CA	None	None	G1	S1.1	
<i>Great Valley Mixed Riparian Forest</i> Great Valley Mixed Riparian Forest	CTT61420CA	None	None	G2	S2.2	
<i>Great Valley Valley Oak Riparian Forest</i> Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	G1	S1.1	
<i>Gymnogyps californianus</i> California condor	ABNKA03010	Endangered	Endangered	G1	S1	FP
<i>Haliaeetus leucocephalus</i> bald eagle	ABNKC10010	Delisted	Endangered	G5	S2	FP
<i>Helianthus winteri</i> Winter's sunflower	PDAST4N260	None	None	G1G2	S1S2	1B.2
<i>Helminthoglypta callistoderma</i> Kern shoulderband	IMGASC2080	None	None	G1	S1	
<i>Heterotheca shevockii</i> Shevock's golden-aster	PDAST4V0T0	None	None	G2	S2	1B.3
<i>Icteria virens</i> yellow-breasted chat	ABPBX24010	None	None	G5	S3	SSC
<i>Imperata brevifolia</i> California satintail	PMPOA3D020	None	None	G3	S3	2B.1
<i>Juncus nodosus</i> knotted rush	PMJUN01210	None	None	G5	S3	2B.3
<i>Lagophylla dichotoma</i> forked hare-leaf	PDAST5J070	None	None	G1	S1	1B.1
<i>Lanius ludovicianus</i> loggerhead shrike	ABPBR01030	None	None	G4	S4	SSC
<i>Lasiurus blossevillii</i> western red bat	AMACC05060	None	None	G5	S3	SSC



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<i>Lasiurus cinereus</i> hoary bat	AMACC05030	None	None	G5	S4	
<i>Lasthenia glabrata ssp. coulteri</i> Coulter's goldfields	PDAST5L0A1	None	None	G4T2	S2	1B.1
<i>Lavinia symmetricus ssp. 1</i> San Joaquin roach	AFCJB19021	None	None	G4T3Q	S3	SSC
<i>Layia heterotricha</i> pale-yellow layia	PDAST5N070	None	None	G2	S2	1B.1
<i>Layia leucopappa</i> Comanche Point layia	PDAST5N0A0	None	None	G1	S1	1B.1
<i>Layia munzii</i> Munz's tidy-tips	PDAST5N0B0	None	None	G1	S1	1B.2
<i>Layia septentrionalis</i> Colusa layia	PDAST5N0F0	None	None	G2	S2	1B.2
<i>Lepidium jaredii ssp. album</i> Panoche pepper-grass	PDBRA1M0G2	None	None	G2T2	S2	1B.2
<i>Lepidium latipes var. heckardii</i> Heckard's pepper-grass	PDBRA1M0K1	None	None	G4T2	S2	1B.2
<i>Lepidurus packardii</i> vernal pool tadpole shrimp	ICBRA10010	Endangered	None	G3	S2S3	
<i>Leptosiphon serrulatus</i> Madera leptosiphon	PDPLM09130	None	None	G3	S3	1B.2
<i>Leptosyne hamiltonii</i> Mt. Hamilton coreopsis	PDAST2L0C0	None	None	G2	S2	1B.2
<i>Linderiella occidentalis</i> California linderiella	ICBRA06010	None	None	G2G3	S2S3	
<i>Lithobates pipiens</i> northern leopard frog	AAABH01170	None	None	G5	S2	SSC
<i>Lupinus citrinus var. citrinus</i> orange lupine	PDFAB2B103	None	None	G2T2	S2	1B.2
<i>Lytta hoppingi</i> Hopping's blister beetle	IICOL4C010	None	None	G1G2	S1S2	
<i>Lytta moesta</i> moestan blister beetle	IICOL4C020	None	None	G2	S2	
<i>Lytta molesta</i> molestan blister beetle	IICOL4C030	None	None	G2	S2	
<i>Lytta morrisoni</i> Morrison's blister beetle	IICOL4C040	None	None	G1G2	S1S2	
<i>Madia radiata</i> showy golden madia	PDAST650E0	None	None	G2	S2	1B.1
<i>Malacothamnus aboriginum</i> Indian Valley bush-mallow	PDMAL0Q020	None	None	G3	S3	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>Malacothamnus hallii</i> Hall's bush-mallow	PDMAL0Q0F0	None	None	G2	S2	1B.2
<i>Masticophis flagellum ruddocki</i> San Joaquin whipsnake	ARADB21021	None	None	G5T2T3	S2?	SSC
<i>Masticophis lateralis euryxanthus</i> Alameda whipsnake	ARADB21031	Threatened	Threatened	G4T2	S2	
<i>Melospiza melodia</i> song sparrow ("Modesto" population)	ABPBXA3010	None	None	G5	S3?	SSC
<i>Metapogon hurdi</i> Hurd's metapogon robberfly	IIDIP08010	None	None	G1G3	S1S3	
<i>Mimulus pictus</i> calico monkeyflower	PDSCR1B240	None	None	G2	S2	1B.2
<i>Monardella leucocephala</i> Merced monardella	PDLAM180C0	None	None	GH	SH	1A
<i>Monolopia congdonii</i> San Joaquin woollythreads	PDASTA8010	Endangered	None	G2	S2	1B.2
<i>Monvero Residual Dunes</i> Monvero Residual Dunes	CTT23300CA	None	None	G1	S1.2	
<i>Mylopharodon conocephalus</i> hardhead	AFCJB25010	None	None	G3	S3	SSC
<i>Myotis yumanensis</i> Yuma myotis	AMACC01020	None	None	G5	S4	
<i>Nama stenocarpa</i> mud nama	PDHYD0A0H0	None	None	G4G5	S1S2	2B.2
<i>Navarretia myersii ssp. myersii</i> pincushion navarretia	PDPLM0C0X1	None	None	G1T1	S1	1B.1
<i>Navarretia nigelliformis ssp. radians</i> shining navarretia	PDPLM0C0J2	None	None	G4T2	S2	1B.2
<i>Navarretia prostrata</i> prostrate vernal pool navarretia	PDPLM0C0Q0	None	None	G2	S2	1B.1
<i>Navarretia setiloba</i> Piute Mountains navarretia	PDPLM0C0S0	None	None	G2	S2	1B.1
<i>Neostapfia colusana</i> Colusa grass	PMPOA4C010	Threatened	Endangered	G2	S2	1B.1
<i>Neotoma fuscipes riparia</i> riparian (=San Joaquin Valley) woodrat	AMAFF08081	Endangered	None	G5T1Q	S1	SSC
<i>Northern Basalt Flow Vernal Pool</i> Northern Basalt Flow Vernal Pool	CTT44131CA	None	None	G3	S2.2	
<i>Northern Claypan Vernal Pool</i> Northern Claypan Vernal Pool	CTT44120CA	None	None	G1	S1.1	
<i>Northern Hardpan Vernal Pool</i> Northern Hardpan Vernal Pool	CTT44110CA	None	None	G3	S3.1	



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<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>Onychomys torridus tularensis</i> Tulare grasshopper mouse	AMAFF06021	None	None	G5T1T2	S1S2	SSC
<i>Opuntia basilaris var. treleasei</i> Bakersfield cactus	PDCAC0D055	Endangered	Endangered	G5T1	S1	1B.1
<i>Orcuttia inaequalis</i> San Joaquin Valley Orcutt grass	PMPOA4G060	Threatened	Endangered	G1	S1	1B.1
<i>Orcuttia pilosa</i> hairy Orcutt grass	PMPOA4G040	Endangered	Endangered	G1	S1	1B.1
<i>Pandion haliaetus</i> osprey	ABNKC01010	None	None	G5	S4	WL
<i>Perognathus inornatus</i> San Joaquin Pocket Mouse	AMAFD01060	None	None	G2G3	S2S3	
<i>Phacelia ciliata var. opaca</i> Merced phacelia	PDHYD0C0S2	None	None	G5TH	SH	3.2
<i>Phacelia phacelioides</i> Mt. Diablo phacelia	PDHYD0C3Q0	None	None	G1	S1	1B.2
<i>Phalacrocorax auritus</i> double-crested cormorant	ABNFD01020	None	None	G5	S4	WL
<i>Phrynosoma blainvillii</i> coast horned lizard	ARACF12100	None	None	G3G4	S3S4	SSC
<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
<i>Protodufourea zavortinki</i> Zavortink's protodufourea bee	IIHYM77020	None	None	G1	S1	
<i>Pseudobahia bahiifolia</i> Hartweg's golden sunburst	PDAST7P010	Endangered	Endangered	G2	S2	1B.1
<i>Pseudobahia peirsonii</i> San Joaquin adobe sunburst	PDAST7P030	Threatened	Endangered	G1	S1	1B.1
<i>Rana boylei</i> foothill yellow-legged frog	AAABH01050	None	None	G3	S3	SSC
<i>Rana draytonii</i> California red-legged frog	AAABH01022	Threatened	None	G2G3	S2S3	SSC
<i>Riparia riparia</i> bank swallow	ABPAU08010	None	Threatened	G5	S2	



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<i>Sagittaria sanfordii</i> Sanford's arrowhead	PMALI040Q0	None	None	G3	S3	1B.2
<i>Senecio aphanactis</i> chaparral ragwort	PDAST8H060	None	None	G3?	S2	2B.2
<i>Sidalcea keckii</i> Keck's checkerbloom	PDMAL110D0	Endangered	None	G2	S2	1B.1
<i>Sorex ornatus relictus</i> Buena Vista Lake ornate shrew	AMABA01102	Endangered	None	G5T1	S1	SSC
<i>Spea hammondi</i> western spadefoot	AAABF02020	None	None	G3	S3	SSC
<i>Sphenopholis obtusata</i> prairie wedge grass	PMPOA5T030	None	None	G5	S2	2B.2
<i>Stabilized Interior Dunes</i> Stabilized Interior Dunes	CTT23100CA	None	None	G1	S1.1	
<i>Stuckenia filiformis ssp. alpina</i> slender-leaved pondweed	PMPOT03091	None	None	G5T5	S3	2B.2
<i>Stylocline citroleum</i> oil neststraw	PDAST8Y070	None	None	G3	S3	1B.1
<i>Stylocline masonii</i> Mason's neststraw	PDAST8Y080	None	None	G1	S1	1B.1
<i>Sycamore Alluvial Woodland</i> Sycamore Alluvial Woodland	CTT62100CA	None	None	G1	S1.1	
<i>Sylvilagus bachmani riparius</i> riparian brush rabbit	AMAEB01021	Endangered	Endangered	G5T1	S1	
<i>Talanites moodyae</i> Moody's gnaphosid spider	ILARA98020	None	None	G1G2	S1S2	
<i>Taxidea taxus</i> American badger	AMAJF04010	None	None	G5	S3	SSC
<i>Thamnophis gigas</i> giant garter snake	ARADB36150	Threatened	Threatened	G2	S2	
<i>Thamnophis hammondi</i> two-striped garter snake	ARADB36160	None	None	G4	S3S4	SSC
<i>Tortula californica</i> California screw moss	NBMUS7L090	None	None	G2G3	S2S3	1B.2
<i>Toxostoma lecontei</i> Le Conte's thrasher	ABPBK06100	None	None	G4	S3	SSC
<i>Trichocoronis wrightii var. wrightii</i> Wright's trichocoronis	PDAST9F031	None	None	G4T3	S1	2B.1
<i>Trigonoscuta sp.</i> Doyen's trigonoscuta dune weevil	IICOL51030	None	None	G1Q	S1	
<i>Tropidocarpum californicum</i> Kings gold	PDBRA33010	None	None	G1	S1	1B.1



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<i>Tropidocarpum capparideum</i> caper-fruited tropidocarpum	PDBRA2R010	None	None	G1	S1	1B.1
<i>Tuctoria greenei</i> Greene's tuctoria	PMPOA6N010	Endangered	Rare	G1	S1	1B.1
Valley Sacaton Grassland Valley Sacaton Grassland	CTT42120CA	None	None	G1	S1.1	
Valley Saltbush Scrub Valley Saltbush Scrub	CTT36220CA	None	None	G2	S2.1	
Valley Sink Scrub Valley Sink Scrub	CTT36210CA	None	None	G1	S1.1	
<i>Vireo bellii pusillus</i> least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S2	
<i>Vulpes macrotis mutica</i> San Joaquin kit fox	AMAJA03041	Endangered	Threatened	G4T2	S2	
<i>Vulpes vulpes necator</i> Sierra Nevada red fox	AMAJA03012	None	Threatened	G5T1T2	S1	
<i>Xanthocephalus xanthocephalus</i> yellow-headed blackbird	ABPBXB3010	None	None	G5	S3	SSC

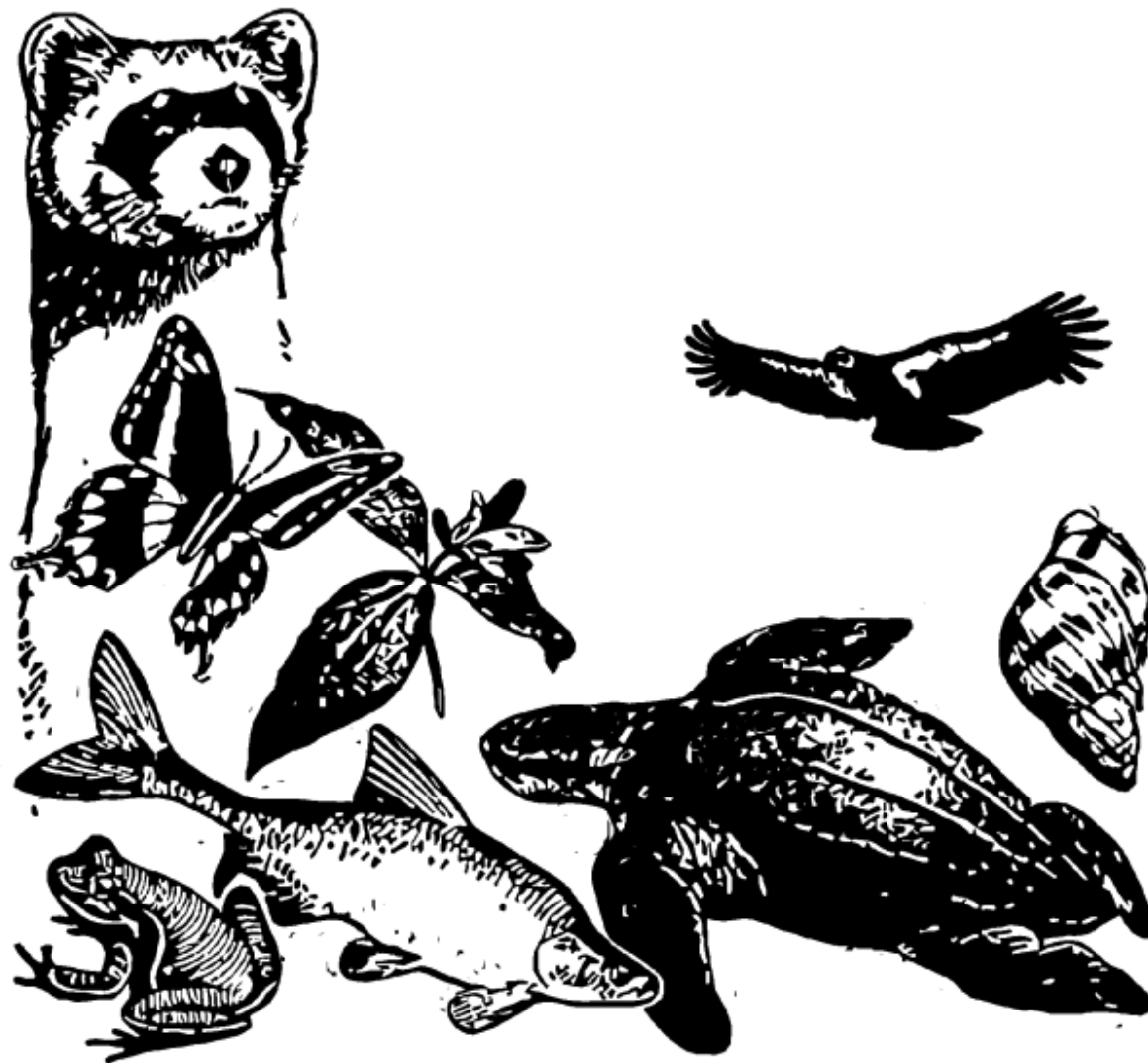
Record Count: 227

URF EA

IPaC Trust Resource Report

Generated January 04, 2016 05:25 PM MST, IPaC v2.3.2

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.



US Fish & Wildlife Service

IPaC Trust Resource Report



NAME

URF EA

LOCATION

California

IPAC LINK

[http://ecos.fws.gov/ipac/project/
CYDER-FJFH5-HJ7EQ-JLJO2-BTUNRI](http://ecos.fws.gov/ipac/project/CYDER-FJFH5-HJ7EQ-JLJO2-BTUNRI)



U.S. Fish & Wildlife Contact Information

Trust resources in this location are managed by:

San Francisco Bay-delta Fish And Wildlife

650 Capitol Mall

Suite 8-300

Sacramento, CA 95814

(916) 930-5603

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

Endangered Species

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

This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.

For project evaluations that require FWS 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 from the Regulatory Documents section in IPaC.

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

Amphibians

California Red-legged Frog *Rana draytonii* Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

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

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=D02D

California Tiger Salamander *Ambystoma californiense* Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

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

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=D01T

Birds

<p>California Condor <i>Gymnogyps californianus</i></p> <p>MANAGED BY Sacramento Fish And Wildlife Office</p> <p>CRITICAL HABITAT There is final critical habitat designated for this species.</p> <p>https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B002</p>	Endangered
<p>Least Bell's Vireo <i>Vireo bellii pusillus</i></p> <p>MANAGED BY Sacramento Fish And Wildlife Office</p> <p>CRITICAL HABITAT There is final critical habitat designated for this species.</p> <p>https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B067</p>	Endangered
<p>Southwestern Willow Flycatcher <i>Empidonax traillii extimus</i></p> <p>MANAGED BY Sacramento Fish And Wildlife Office</p> <p>CRITICAL HABITAT There is final critical habitat designated for this species.</p> <p>https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B094</p>	Endangered
<p>Western Snowy Plover <i>Charadrius alexandrinus nivosus</i></p> <p>MANAGED BY Sacramento Fish And Wildlife Office</p> <p>CRITICAL HABITAT There is final critical habitat designated for this species.</p> <p>https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B07C</p>	Threatened
<p>Yellow-billed Cuckoo <i>Coccyzus americanus</i></p> <p>MANAGED BY Sacramento Fish And Wildlife Office</p> <p>CRITICAL HABITAT There is proposed critical habitat designated for this species.</p> <p>https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B06R</p>	Threatened

Crustaceans

Conservancy Fairy Shrimp *Branchinecta conservatio*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

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

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=K03D

Vernal Pool Fairy Shrimp *Branchinecta lynchi*

Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

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

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=K03G

Vernal Pool Tadpole Shrimp *Lepidurus packardii*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

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

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=K048

Fishes

Delta Smelt *Hypomesus transpacificus*

Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

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

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=E070

Steelhead *Oncorhynchus* (=Salmo) mykiss

Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

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

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=E08D

Flowering Plants

Bakersfield Cactus *Opuntia treleasei*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q2YG

California Jewelflower *Caulanthus californicus*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q2Y8

Colusa Grass *Neostapfia colusana*

Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

There is **final** critical habitat designated for this species.
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q19I

Fleshy Owl's-clover *Castilleja campestris* ssp. *succulenta*

Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

There is **final** critical habitat designated for this species.
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q0CG

Greene's Tuctoria *Tuctoria greenei*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

There is **final** critical habitat designated for this species.
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q23K

Hairy Orcutt Grass *Orcuttia pilosa*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

There is **final** critical habitat designated for this species.
https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q1AY

Hartweg's Golden Sunburst *Pseudobahia bahiifolia*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=Q1K2**Hoover's Spurge** *Chamaesyce hooveri*

Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

There is **final** critical habitat designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=Q0E9**Keck's Checker-mallow** *Sidalcea keckii*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

There is **final** critical habitat designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=Q1OS**Kern Mallow** *Eremalche kernensis*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=Q2TD**Large-flowered Fiddleneck** *Amsinckia grandiflora*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

There is **final** critical habitat designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=Q1SU**Palmate-bracted Bird's Beak** *Cordylanthus palmatus*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=Q1UT**San Joaquin Adobe Sunburst** *Pseudobahia peirsonii*

Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=Q1K3

San Joaquin Orcutt Grass *Orcuttia inaequalis* Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

There is **final** critical habitat designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q1ZP**San Joaquin Woolly-threads** *Monolopia (=Lembertia) congdonii* Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q34W**San Mateo Thornmint** *Acanthomintha obovata* ssp. *duttonii* Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q24H**Springville Clarkia** *Clarkia springvillensis* Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q2O6

Insects

San Bruno Elfin Butterfly *Callophrys mossii bayensis* Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=I00Q**Valley Elderberry Longhorn Beetle** *Desmocerus californicus dimorphus* Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

There is **final** critical habitat designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=I01L

Mammals

Buena Vista Lake Ornate Shrew <i>Sorex ornatus relictus</i> MANAGED BY Sacramento Fish And Wildlife Office CRITICAL HABITAT There is final critical habitat designated for this species. https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0DV	Endangered
Fresno Kangaroo Rat <i>Dipodomys nitratoide exilis</i> MANAGED BY Sacramento Fish And Wildlife Office CRITICAL HABITAT There is final critical habitat designated for this species. https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A08O	Endangered
Giant Kangaroo Rat <i>Dipodomys ingens</i> MANAGED BY Sacramento Fish And Wildlife Office CRITICAL HABITAT No critical habitat has been designated for this species. https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A08P	Endangered
Riparian Brush Rabbit <i>Sylvilagus bachmani riparius</i> MANAGED BY Sacramento Fish And Wildlife Office CRITICAL HABITAT No critical habitat has been designated for this species. https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0DN	Endangered
Riparian Woodrat (=san Joaquin Valley) <i>Neotoma fuscipes riparia</i> MANAGED BY Sacramento Fish And Wildlife Office CRITICAL HABITAT No critical habitat has been designated for this species. https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0FC	Endangered
San Joaquin Kit Fox <i>Vulpes macrotis mutica</i> MANAGED BY Sacramento Fish And Wildlife Office CRITICAL HABITAT No critical habitat has been designated for this species. https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A006	Endangered

Tipton Kangaroo Rat *Dipodomys nitratoides nitratoides*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A08S

Reptiles

Alameda Whipsnake (=striped Racer) *Masticophis lateralis euryxanthus*

Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

There is **final** critical habitat designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C04A**Blunt-nosed Leopard Lizard** *Gambelia silus*

Endangered

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C001**Giant Garter Snake** *Thamnophis gigas*

Threatened

MANAGED BY

Sacramento Fish And Wildlife Office

CRITICAL HABITAT

No critical habitat has been designated for this species.https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C05Z

Critical Habitats

This location overlaps all or part of the critical habitat for the following species:

Buena Vista Lake Ornate Shrew Critical Habitat Final designatedhttps://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0DV#crithab**California Condor Critical Habitat** Final designatedhttps://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B002#crithab**California Tiger Salamander Critical Habitat** Final designatedhttps://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=D01T#crithab**Colusa Grass Critical Habitat** Final designatedhttps://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=Q19I#crithab**Conservancy Fairy Shrimp Critical Habitat** Final designatedhttps://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=K03D#crithab

Delta Smelt Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=E070#crithab

Fleshy Owl's-clover Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q0CG#crithab

Fresno Kangaroo Rat Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A08O#crithab

Greene's Tuctoria Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q23K#crithab

Hairy Orcutt Grass Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q1AY#crithab

Hoover's Spurge Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q0E9#crithab

Keck's Checker-mallow Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q1OS#crithab

Longhorn Fairy Shrimp Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=K03E#crithab

San Joaquin Orcutt Grass Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=Q1ZP#crithab

Steelhead Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=E08D#crithab

Vernal Pool Fairy Shrimp Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=K03G#crithab

Vernal Pool Tadpole Shrimp Critical Habitat Final designated

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=K048#crithab

Migratory Birds

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

Any activity which results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and 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.

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.fws.gov/birds/management/project-assessment-tools-and-guidance/akn-histogram-tools.php>

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

Bald Eagle <i>Haliaeetus leucocephalus</i>	Bird of conservation concern
Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008	
Bell's Sparrow <i>Amphispiza belli</i>	Bird of conservation concern
Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HE	
Black Rail <i>Laterallus jamaicensis</i>	Bird of conservation concern
Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09A	
Black-chinned Sparrow <i>Spizella atrogularis</i>	Bird of conservation concern
Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0IR	
Brewer's Sparrow <i>Spizella breweri</i>	Bird of conservation concern
Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HA	
Burrowing Owl <i>Athene cunicularia</i>	Bird of conservation concern
Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0NC	

Cactus Wren <i>Campylorhynchus brunneicapillus</i> Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FZ	Bird of conservation concern
California Spotted Owl <i>Strix occidentalis occidentalis</i> Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B08L	Bird of conservation concern
Calliope Hummingbird <i>Stellula calliope</i> Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0K3	Bird of conservation concern
Costa's Hummingbird <i>Calypte costae</i> Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JE	Bird of conservation concern
Flammulated Owl <i>Otus flammeolus</i> Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0DK	Bird of conservation concern
Fox Sparrow <i>Passerella iliaca</i> Year-round	Bird of conservation concern
Gray Vireo <i>Vireo vicinior</i> Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G5	Bird of conservation concern
Green-tailed Towhee <i>Pipilo chlorurus</i> Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0IO	Bird of conservation concern
Lawrence's Goldfinch <i>Carduelis lawrencei</i> Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0J8	Bird of conservation concern
Le Conte's Thrasher <i>toxostoma lecontei</i> Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0GE	Bird of conservation concern
Least Bittern <i>Ixobrychus exilis</i> Year-round	Bird of conservation concern
Lesser Yellowlegs <i>Tringa flavipes</i> Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MD	Bird of conservation concern
Lewis's Woodpecker <i>Melanerpes lewis</i> Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HQ	Bird of conservation concern
Loggerhead Shrike <i>Lanius ludovicianus</i> Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FY	Bird of conservation concern
Long-billed Curlew <i>Numenius americanus</i> Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B06S	Bird of conservation concern

Marbled Godwit <i>Limosa fedoa</i>	Bird of conservation concern
Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JL	
Mountain Plover <i>Charadrius montanus</i>	Bird of conservation concern
Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B078	
Nuttall's Woodpecker <i>Picoides nuttallii</i>	Bird of conservation concern
Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HT	
Oak Titmouse <i>Baeolophus inornatus</i>	Bird of conservation concern
Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MJ	
Olive-sided Flycatcher <i>Contopus cooperi</i>	Bird of conservation concern
Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN	
Peregrine Falcon <i>Falco peregrinus</i>	Bird of conservation concern
Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU	
Rufous-crowned Sparrow <i>Aimophila ruficeps</i>	Bird of conservation concern
Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0MX	
Sage Thrasher <i>Oreoscoptes montanus</i>	Bird of conservation concern
Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0ID	
Short-billed Dowitcher <i>Limnodromus griseus</i>	Bird of conservation concern
Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0JK	
Short-eared Owl <i>Asio flammeus</i>	Bird of conservation concern
Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD	
Snowy Plover <i>Charadrius alexandrinus</i>	Bird of conservation concern
Season: Breeding	
Swainson's Hawk <i>Buteo swainsoni</i>	Bird of conservation concern
Season: Breeding https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B070	
Tricolored Blackbird <i>Agelaius tricolor</i>	Bird of conservation concern
Year-round https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B06P	
Western Grebe <i>aechmophorus occidentalis</i>	Bird of conservation concern
Season: Wintering https://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0EA	

White Headed Woodpecker *Picoides albolarvatus*

Year-round

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0HU

Bird of conservation concern

Williamson's Sapsucker *Sphyrapicus thyroideus*

Year-round

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0FX

Bird of conservation concern

Willow Flycatcher *Empidonax traillii*

Season: Breeding

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0F6

Bird of conservation concern

Yellow-billed Magpie *Pica nuttalli*

Year-round

https://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0N8

Bird of conservation concern

Refuges

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

Refuge data is unavailable at this time.

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:

The area of this project is too large for IPaC to load all NWI wetlands in the area. The list below may be incomplete, or the acreages reported may be inaccurate. Please contact the local U.S. Fish & Wildlife office or visit the [NWI map](#) for a full list.

Freshwater Emergent Wetland

PEMKCh	3030.0 acres
PEMC	843.0 acres
PEMA	417.0 acres
PEMKAh	293.0 acres
PEMCh	174.0 acres
PEMKx	84.0 acres
PEM/UBKFh	52.6 acres

<u>PEM/UBF</u>	50.1 acres
<u>PEM/USCh</u>	31.9 acres
<u>PEM/USKAh</u>	31.2 acres
<u>PEMJ</u>	29.8 acres
<u>PEMKJx</u>	28.4 acres
<u>PEMFh</u>	27.9 acres
<u>PEMB</u>	20.8 acres
<u>PEMAh</u>	20.1 acres
<u>PEMCx</u>	17.5 acres
<u>PEMFx</u>	17.0 acres
<u>PEMF</u>	8.89 acres
<u>PEMAx</u>	6.98 acres
<u>PEMKC</u>	2.67 acres
<u>PEMJh</u>	2.15 acres
<u>PEM1Fx</u>	1.27 acres

Freshwater Forested/shrub Wetland

<u>PSSA</u>	310.0 acres
<u>PFOA</u>	136.0 acres
<u>PFOC</u>	67.2 acres
<u>PSSC</u>	53.7 acres
<u>PSSKAh</u>	31.2 acres
<u>PFOCx</u>	16.3 acres
<u>PFOJh</u>	14.6 acres
<u>PSS/EMA</u>	14.2 acres
<u>PFO/USA</u>	11.4 acres
<u>PSS/USC</u>	10.3 acres
<u>PFOFx</u>	5.44 acres
<u>PSSCh</u>	4.42 acres
<u>PSS/USA</u>	3.99 acres
<u>PSSKCh</u>	3.38 acres
<u>PSSCx</u>	3.18 acres
<u>PFOCh</u>	2.55 acres
<u>PSSJ</u>	2.3 acres
<u>PFOAx</u>	1.88 acres
<u>PSSFx</u>	1.61 acres
<u>PSSB</u>	0.78 acre

Freshwater Pond

<u>PUBF</u>	169.0 acres
<u>PUBFx</u>	144.0 acres
	113.0 acres

<u>PUBKx</u>	
<u>PUBHx</u>	74.0 acres
<u>PUBHh</u>	56.7 acres
<u>PUBKFh</u>	48.7 acres
<u>PUBH</u>	35.3 acres
<u>PUBFh</u>	16.9 acres
<u>PABF</u>	10.7 acres
<u>PUBKh</u>	9.28 acres
<u>PABFx</u>	7.89 acres
<u>PABFh</u>	3.92 acres
<u>PUB/EMKFh</u>	2.85 acres
<u>PABKx</u>	2.78 acres
<u>PUBKfx</u>	2.35 acres
<u>PABHx</u>	0.373 acre

Lake

<u>L1UBHh</u>	358.0 acres
<u>L1UBHx</u>	338.0 acres
<u>L2USKx</u>	326.0 acres
<u>L1UBKx</u>	130.0 acres
<u>L2USA</u>	77.0 acres
<u>L2USJh</u>	59.4 acres
<u>L2USCh</u>	45.2 acres
<u>L2UBKx</u>	37.0 acres
<u>L2USCx</u>	22.7 acres

Other

<u>PUSA</u>	94.9 acres
<u>PUSJ</u>	74.6 acres
<u>PUSKx</u>	33.3 acres
<u>PUSCx</u>	27.6 acres
<u>PUS/EMKCh</u>	26.2 acres
<u>PUSKh</u>	14.7 acres
<u>PUSC</u>	8.75 acres
<u>PUSCh</u>	5.73 acres
<u>PUSAh</u>	3.19 acres
<u>PUSAx</u>	2.75 acres
<u>PUSKJh</u>	1.46 acres

Riverine

<u>R2UBKx</u>	644.0 acres
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<u>R4USKx</u>	90.5 acres
<u>R2UBKHx</u>	84.0 acres
<u>R4USKrx</u>	53.5 acres
<u>R2UBH</u>	40.4 acres
<u>R2USA</u>	33.0 acres
<u>R4USA</u>	10.2 acres
<u>R2USC</u>	9.08 acres
<u>R4USCx</u>	1.1 acres
<u>R4SBCx</u>	0.869 acre

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