

# ***Maria Ygnacio Creek Fish Passage Project Implementation - Patterson Ave Bridge (Project ID: 1728178) 2022***

## **Introduction:**

The Grantee shall not proceed with on the ground implementation until all necessary permits, consultations, and/or Notice to Proceed are secured. All habitat improvement(s) will follow techniques in the *California Salmonid Stream Habitat Restoration Manual Volume 2 Section XII Fish Passage Design and Implementation* (<https://www.wildlife.ca.gov/Grants/FRGP/Guidance>)

Does the project involve the construction of beaver analogs?

Yes  or No

Is the project located in a tidally influenced [California coastal zone](#)?

Yes  or No

## **Project Description:**

### **Location:**

The project is located on Maria Ygnacio Creek in Santa Barbara County in the Atascadero Watershed. The barrier is 1.6 miles upstream of the Pacific Ocean and less than 500 downstream of the confluence of Maria Ygnacio and Atascadero Creek. Project coordinates are: 34.4247700, -119.8107030

### **Project Set Up:**

The project will restore fish passage on Maria Ygnacio Creek. The Project Tasks include:

- 1) South Coast Habitat Restoration Project Management
- 2) Project Permitting
- 3) Implementation and Construction
- 4) Revegetation and Site Maintenance

The purpose of these activities is to restore fish passage and enhance riparian cover and composition. Employment of these project components will promote increases in riparian canopy cover/width, stabilization of creek banks, limit erosion, protect adjacent private property, and catalyze vital habitat recovery.

SCHR will manage the bidding, construction, contractors, budgets timelines as well as community outreach with these projects. SCHR Director and Project Manager will be involved with the day to day project management. SCHR staff will be involved with invoicing and grant reporting for project. SCHR staff will perform monitoring plan for the project. Additionally, SCHR will work to monitor the project effectiveness for a period of five years.

SCHR will work to develop and coordinate the necessary environmental permitting and compliance requirements prior to implementation. If any permits or biological opinions are available as part of the FRGP program, they will work with CDFW staff to incorporate the project into those options. Deliverables: Army Corp 404 Permit, CDFW Streambed Alteration Agreement - 1600/1652, State Water Resources Control Board, 401 Permit USFWS Biological Opinion (California Red-legged Frogs), NOAA Biological Opinion (Steelhead Trout), County Land Use/Coastal Development Permit/Building Permit.

The following will take place by the project team: Harvesting of any native plant materials from project site prior to mobilization for potential revegetation, sensitive species surveys, cultural monitoring during earth work activities, installation of sensitive species exclusionary fencing, installation of dewatering system (as needed), contractor mobilization and vegetation clearing/grubbing, demolition of instream concrete structures, regrading of stream channel to engineered specifications, construction of fish passage designs, placement of weir and sill boulders, inspections by civil, geotechnical and structural engineers of various project phases, and installation of erosion control measures.

Once the contractor has completed the majority of stream grading, SCHR will work with the California Conservation Corps to install native plants to improve riparian vegetation. SCHR will work with the CCC to ensure native plantings are establishing at each of the sites and remove non-native plants. SCHR will work to ensure work is completed with coordination of the appropriate seasons, schedules and timelines for the project. Moreover, SCHR will monitor the project's environmental conditions via performing CRAM-Level 2 surveys pre- and post- implementation. This data will be included in a monitoring report.

### **Materials:**

The materials for this project will be purchased by the subcontractors as part of their project work. All of the materials listed are included because they were specified in the 100% administrative designs prepared by the engineering team for the project. Materials include engineered streambed material to replicate the function and roughness of a natural creek, rock slope protection and concrete to protect the banks near the Patterson Bridge abutments, weir and basking

boulders for placement in the creek to remediate the drop downstream of the bridge and to provide habitat for Western Pond Turtles, sewer protection to insure that the wastewater line that crosses beneath the creek is not damaged during protection and temporary erosion control, and BMPs to reduce impacts to riparian habitat during construction. Native plants will be purchased by the applicant to be used after construction to restore any areas that were disturbed during project work.

### **Tasks:**

Task 1: SCHR will manage the project. SCHR will manage the permitting, bidding, construction, contractors, budget timelines as well as community outreach with these projects. The Project Manager and Grants Administrator will be involved with the day-to-day project management, oversee payments, invoicing, and grant reporting for project. Additionally, SCHR will work to monitor the project effectiveness and will include a pre and post project CRAM assessment.

Task 2: Permitting - SCHR will work to develop and coordinate the necessary environmental permitting and compliance requirements prior to implementation. If any permits or biological opinions are available as part of the FRGP program, we will work with CDFW staff to incorporate the project into those options.

Task 3: Implementation and Construction - Project is scheduled to begin construction during the 2024 construction season. Instream work will take place during the dry season in order to minimize impacts to stream resources. This portion of the project will include efforts from many members of the project team including a qualified general contractor, engineering staff, the California Conservation Corps and, if necessary, a cultural monitor.

The following will take place by the project team: Harvesting of any native plant materials from project site prior to mobilization for potential revegetation, sensitive species surveys, cultural monitoring during earth work activities, installation of sensitive species exclusionary fencing, installation of dewatering system (as needed), contractor mobilization and vegetation clearing/grubbing, demolition of instream concrete structures, regrading of stream channel to engineered specifications, construction of fish passage designs, placement of weir and sill boulders, inspections by civil, geotechnical and structural engineers of various project phases, and installation of erosion control measures.

Task 4: Re-Vegetation and Maintenance (November 2024 - March 2025) - Once the contractor has completed the majority of stream grading, SCHR will work with the California Conservation Corps to install native plants to improve riparian vegetation. SCHR will work with the CCC to ensure native plantings are establishing at each of the sites and remove non-native plants. SCHR will work to ensure work is completed with coordination of the appropriate seasons,

schedules and timelines for the project. Moreover, SCHR will monitor the project's environmental conditions via performing CRAM-Level 2 surveys pre- and post- implementation. This data will be included in a monitoring report.

### **Deliverables:**

The reconstruction of 300 linear feet of channel at a 2.5% slope. A modified existing concrete slab by constructing a concrete rectangular channel between the right abutment and the midchannel support. The project will deliver 100% designs for final review.

### **Timelines:**

Implementation and construction will be from April 2024 to December 2024  
Revegetation and site maintenance is from November 2024 to March 2025.

### **Additional Requirements:**

The Permittee will not proceed with on the ground implementation until all necessary permits and consultations are secured. Work in flowing streams is restricted per the United States Army Corp of Engineers (USACE) Regional General Permit. Actual project start and end dates, within this timeframe, are at the discretion of the California Department of Fish and Wildlife (CDFW).

No equipment maintenance will be performed within or near the stream channel where pollutants (such as petroleum products) from the equipment may enter the channel via rainfall or runoff. Appropriate spill containment devices (e.g., oil absorbent pads, tarpaulins) will be used when refueling equipment. All equipment will be removed from the streambed and flood plain areas at the end of each workday.

All equipment and gear will be brushed with a stiff brush prior to leaving each stretch of stream to avoid the transport of aquatic invasive species (AIS). When transporting traps out of the area, each numbered trap will be bagged in its own bag to avoid cross contamination during transport in and out of the work area. All crew members will decontaminate equipment and shoes for AIS according to the standards detailed in the CDFW Aquatic Invasive Species Decontamination Protocol.

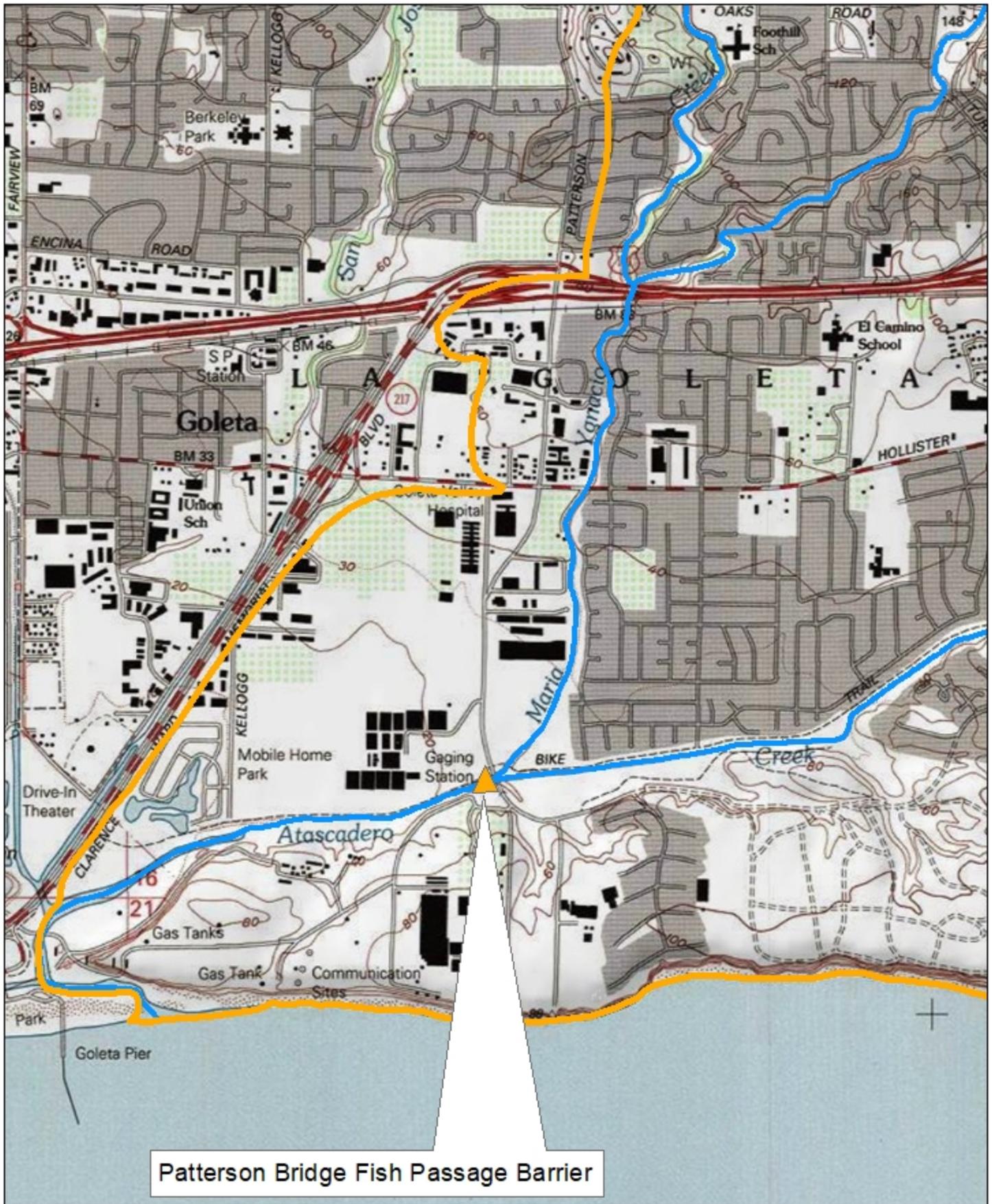
During project activities, all trash that may attract predators will be properly contained, removed from the work site, and disposed of regularly. Following construction, all trash and construction debris will be removed from work areas.

All habitat improvements will follow techniques described in the *California Salmonids Stream Habitat Restoration Manual*, Volume I and Volume II.

The bridge (culvert) design and installation will meet flow carrying capacity required for a 100-year flood event as identified by specifications determined by National Oceanic and Atmospheric Administration (NOAA) Fisheries and the CDFW, for adult and juvenile salmonid fish passage. The project will follow the National Marine Fisheries Service (NMFS 2001) Guidelines for Salmonid Passage at Stream Crossings and criteria for fish passage as described in Volume II, Part IX, of the *California Salmonid Stream Habitat Restoration Manual*. The engineered plans for the bridge (culvert) installation shall be visually reviewed and authorized by NOAA Fisheries or CDFW engineers prior to commencement of work.

The Permittee/landowner will maintain the new crossing, inspect the crossing in a timely manner and remove debris as necessary during the storm season.

# Patterson Ave Bridge Fish Passage Barrier



0 0.25 0.5 1 Miles

-  Fish Passage Barrier
-  Maria Ygnacio Creek Watershed
-  Maria Ygnacio Creek

CALIFORNIA DEPARTMENT OF  
**FISH and WILDLIFE** *RareFind*

**Query Summary:**

Quad **IS** (Goleta (3411947) **OR** Dos Pueblos Canyon (3411948) **OR** Santa Barbara (3411946) **OR** Lake Cachuma (3411958) **OR** San Marcos Pass (3411957) **OR** Little Pine Mtn. (3411956))

Print

Close

**CNDDB Element Query Results**

Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
Accipiter cooperii	Cooper's hawk	Birds	ABNKC12040	118	4	None	None	G5	S4	null	CDFW_WL-Watch List, IUCN_LC-Least Concern	Cismontane woodland, Riparian forest, Riparian woodland, Upper montane coniferous forest
Agelaius tricolor	tricolored blackbird	Birds	ABPBXB0020	955	3	None	Threatened	G1G2	S1S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, NABCI_RWL-Red Watch List, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Marsh & swamp, Swamp, Wetland
Aimophila ruficeps canescens	southern California rufous-crowned sparrow	Birds	ABPBX91091	235	2	None	None	G5T3	S3	null	CDFW_WL-Watch List	Chaparral, Coastal scrub
Ammodramus savannarum	grasshopper sparrow	Birds	ABPBXA0020	27	2	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Valley & foothill grassland
Anaxyrus californicus	arroyo toad	Amphibians	AAABB01230	139	2	Endangered	None	G2G3	S2S3	null	CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered	Desert wash, Riparian scrub, Riparian woodland, South coast flowing waters, South coast standing waters
Anniella pulchra	Northern California legless lizard	Reptiles	ARACC01020	383	18	None	None	G3	S3	null	CDFW_SSC-Species of Special Concern, USFS_S-Sensitive	Chaparral, Coastal dunes, Coastal scrub
Anomobryum julaceum	slender silver moss	Bryophytes	NBMUS80010	13	1	None	None	G5?	S2	4.2	null	Broadleaved upland forest, Lower montane coniferous forest, North coast coniferous forest
Antrozous pallidus	pallid bat	Mammals	AMACC10010	420	1	None	None	G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority	Chaparral, Coastal scrub, Desert wash, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Riparian woodland, Sonoran desert scrub, Upper montane coniferous forest, Valley & foothill grassland
Aquila chrysaetos	golden eagle	Birds	ABNKC22010	325	2	None	None	G5	S3	null	BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, CDFW_WL-Watch List, IUCN_LC-Least Concern	Broadleaved upland forest, Cismontane woodland, Coastal prairie, Great Basin grassland, Great Basin scrub, Lower montane

												coniferous forest, Pinon & juniper woodlands, Upper montane coniferous forest, Valley & foothill grassland
Arctostaphylos refugioensis	Refugio manzanita	Dicots	PDERI041B0	27	2	None	None	G3	S3	1B.2	SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Chaparral
Ardea alba	great egret	Birds	ABNGA04040	43	1	None	None	G5	S4	null	CDF_S-Sensitive, IUCN_LC-Least Concern	Brackish marsh, Estuary, Freshwater marsh, Marsh & swamp, Riparian forest, Wetland
Ardea herodias	great blue heron	Birds	ABNGA04010	156	7	None	None	G5	S4	null	CDF_S-Sensitive, IUCN_LC-Least Concern	Brackish marsh, Estuary, Freshwater marsh, Marsh & swamp, Riparian forest, Wetland
Artemisiospiza belli belli	Bell's sage sparrow	Birds	ABPBX97021	61	1	None	None	G5T2T3	S3	null	CDFW_WL-Watch List	Chaparral, Coastal scrub
Aspidoscelis tigris stejnegeri	coastal whiptail	Reptiles	ARACJ02143	148	1	None	None	G5T5	S3	null	CDFW_SSC-Species of Special Concern	null
Astragalus didymocarpus var. milesianus	Miles' milk-vetch	Dicots	PDFAB0F2X3	16	1	None	None	G5T2	S2	1B.2	null	Coastal scrub
Athene cunicularia	burrowing owl	Birds	ABNSB10010	2011	2	None	None	G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFWS_BCC-Birds of Conservation Concern	Coastal prairie, Coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland
Atriplex coulteri	Coulter's saltbush	Dicots	PDCHE040E0	121	3	None	None	G3	S1S2	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	Coastal bluff scrub, Coastal dunes, Coastal scrub, Valley & foothill grassland
Atriplex serenana var. davidsonii	Davidson's saltscale	Dicots	PDCHE041T1	26	2	None	None	G5T1	S1	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Coastal bluff scrub, Coastal scrub
Bombus caliginosus	obscure bumble bee	Insects	IIHYM24380	181	3	None	None	G2G3	S1S2	null	IUCN_VU-Vulnerable	null
Bombus crotchii	Crotch bumble bee	Insects	IIHYM24480	437	11	None	None	G2	S1S2	null	null	null
Buteo regalis	ferruginous hawk	Birds	ABNKC19120	107	1	None	None	G4	S3S4	null	CDFW_WL-Watch List, IUCN_LC-Least Concern	Great Basin grassland, Great Basin scrub, Pinon & juniper woodlands, Valley & foothill grassland
Calochortus fimbriatus	late-flowered mariposa-lily	Monocots	PMLIL0D1J2	93	34	None	None	G3	S3	1B.3	SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Chaparral, Cismontane woodland, Riparian woodland, Ultramafic
Calystegia sepium ssp. binghamiae	Santa Barbara morning-glory	Dicots	PDCON040E6	1	1	None	None	G5TXQ	SX	1A	null	Marsh & swamp, Salt marsh, Wetland
Centromadia parryi ssp. australis	southern tarplant	Dicots	PDAST4R0P4	94	14	None	None	G3T2	S2	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, SB_SBBG-Santa Barbara Botanic Garden	Marsh & swamp, Salt marsh, Valley & foothill grassland, Vernal pool, Wetland
Charadrius nivosus nivosus	western snowy plover	Birds	ABNNB03031	138	4	Threatened	None	G3T3	S2	null	CDFW_SSC-Species of Special Concern,	Great Basin standing waters,

											NABCI_RWL-Red Watch List	Sand shore, Wetland
<i>Cicindela hirticollis gravida</i>	sandy beach tiger beetle	Insects	IICOL02101	34	2	None	None	G5T2	S2	null	null	Coastal dunes
<i>Coelus globosus</i>	globose dune beetle	Insects	IICOL4A010	50	4	None	None	G1G2	S1S2	null	IUCN_VU-Vulnerable	Coastal dunes
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	Mammals	AMACC08010	635	2	None	None	G4	S2	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority	Broadleaved upland forest, Chaparral, Chenopod scrub, Great Basin grassland, Great Basin scrub, Joshua tree woodland, Lower montane coniferous forest, Meadow & seep, Mojavean desert scrub, Riparian forest, Riparian woodland, Sonoran desert scrub, Sonoran thorn woodland, Upper montane coniferous forest, Valley & foothill grassland
<i>Coturnicops noveboracensis</i>	yellow rail	Birds	ABNME01010	45	1	None	None	G4	S1S2	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, NABCI_RWL-Red Watch List, USFS_S-Sensitive, USFWS_BCC-Birds of Conservation Concern	Freshwater marsh, Meadow & seep
<i>Danaus plexippus plexippus</i> pop. 1	monarch - California overwintering population	Insects	IILEPP2012	383	38	Candidate	None	G4T2T3	S2S3	null	IUCN_EN-Endangered, USFS_S-Sensitive	Closed-cone coniferous forest
<i>Delphinium umbraculorum</i>	umbrella larkspur	Dicots	PDRAN0B1W0	95	8	None	None	G3	S3	1B.3	BLM_S-Sensitive, USFS_S-Sensitive	Chaparral, Cismontane woodland
<i>Egretta thula</i>	snowy egret	Birds	ABNGA06030	20	1	None	None	G5	S4	null	IUCN_LC-Least Concern	Marsh & swamp, Meadow & seep, Riparian forest, Riparian woodland, Wetland
<i>Elanus leucurus</i>	white-tailed kite	Birds	ABNKC06010	184	4	None	None	G5	S3S4	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern	Cismontane woodland, Marsh & swamp, Riparian woodland, Valley & foothill grassland, Wetland
<i>Empidonax traillii extimus</i>	southwestern willow flycatcher	Birds	ABPAE33043	70	2	Endangered	Endangered	G5T2	S1	null	NABCI_RWL-Red Watch List	Riparian woodland
<i>Emys marmorata</i>	western pond turtle	Reptiles	ARAAD02030	1404	28	None	None	G3G4	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive	Aquatic, Artificial flowing waters, Klamath/North coast flowing waters, Klamath/North coast standing waters, Marsh & swamp, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, Wetland
<i>Eremophila alpestris actia</i>	California horned lark	Birds	ABPAT02011	94	1	None	None	G5T4Q	S4	null	CDFW_WL-Watch List, IUCN_LC-Least Concern	Marine intertidal & splash zone

												communities, Meadow & seep
Eucyclogobius newberryi	tidewater goby	Fish	AFCQN04010	127	11	Endangered	None	G3	S3	null	AFS_EN-Endangered, IUCN_VU-Vulnerable	Aquatic, Klamath/North coast flowing waters, Sacramento/San Joaquin flowing waters, South coast flowing waters
Eumops perotis californicus	western mastiff bat	Mammals	AMACD02011	296	3	None	None	G4G5T4	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, WBWG_H-High Priority	Chaparral, Cismontane woodland, Coastal scrub, Valley & foothill grassland
Falco mexicanus	prairie falcon	Birds	ABNKD06090	451	1	None	None	G5	S4	null	CDFW_WL-Watch List, IUCN_LC-Least Concern	Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Sonoran desert scrub, Valley & foothill grassland
Fritillaria ojaiensis	Ojai fritillary	Monocots	PMLIL0V0N0	49	15	None	None	G3	S3	1B.2	SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Broadleaved upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Ultramafic
Gymnogyps californianus	California condor	Birds	ABNKA03010	13	1	Endangered	Endangered	G1	S1	null	CDF_S-Sensitive, CDFW_FP-Fully Protected, IUCN_CR-Critically Endangered, NABCI_RWL-Red Watch List	Chaparral, Valley & foothill grassland
Haliaeetus leucocephalus	bald eagle	Birds	ABNKC10010	332	1	Delisted	Endangered	G5	S3	null	BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern, USFS_S-Sensitive	Lower montane coniferous forest, Oldgrowth
Horkelia cuneata var. puberula	mesa horkelia	Dicots	PDROS0W045	103	8	None	None	G4T1	S1	1B.1	USFS_S-Sensitive	Chaparral, Cismontane woodland, Coastal scrub
Juncus luciensis	Santa Lucia dwarf rush	Monocots	PMJUN013J0	37	2	None	None	G3	S3	1B.2	BLM_S-Sensitive, USFS_S-Sensitive	Chaparral, Great Basin scrub, Lower montane coniferous forest, Meadow & seep, Vernal pool, Wetland
Lasiurus blossevillii	western red bat	Mammals	AMACC05060	128	3	None	None	G4	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, WBWG_H-High Priority	Cismontane woodland, Lower montane coniferous forest, Riparian forest, Riparian woodland
Lasiurus cinereus	hoary bat	Mammals	AMACC05030	238	2	None	None	G3G4	S4	null	IUCN_LC-Least Concern, WBWG_M-Medium Priority	Broadleaved upland forest, Cismontane woodland, Lower montane coniferous forest, North coast coniferous forest
Lasthenia conjugens	Contra Costa goldfields	Dicots	PDAST5L040	36	1	Endangered	None	G1	S1	1B.1	SB_UCBG-UC Botanical Garden at Berkeley	Alkali playa, Cismontane woodland, Valley & foothill grassland, Vernal pool, Wetland
Lasthenia glabrata ssp. coulteri	Coulter's goldfields	Dicots	PDAST5L0A1	111	1	None	None	G4T2	S2	1B.1	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden	Alkali playa, Marsh & swamp, Salt marsh, Vernal pool, Wetland

Laterallus jamaicensis coturniculus	California black rail	Birds	ABNME03041	303	1	None	Threatened	G3T1	S1	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, IUCN_NT-Near Threatened, NABCI_RWL-Red Watch List	Brackish marsh, Freshwater marsh, Marsh & swamp, Salt marsh, Wetland
Layia heterotricha	pale-yellow layia	Dicots	PDAST5N070	125	2	None	None	G2	S2	1B.1	BLM_S-Sensitive, SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden, USFS_S-Sensitive	Cismontane woodland, Coastal scrub, Pinon & juniper woodlands, Valley & foothill grassland
Linderiella occidentalis	California linderiella	Crustaceans	ICBRA06010	508	1	None	None	G2G3	S2S3	null	IUCN_NT-Near Threatened	Vernal pool
Lonicera subspicata var. subspicata	Santa Barbara honeysuckle	Dicots	PDCPR030R3	31	18	None	None	G5T2?	S2?	1B.2	USFS_S-Sensitive	Chaparral, Cismontane woodland, Coastal scrub
Malacothrix saxatilis var. arachnoidea	Carmel Valley malacothrix	Dicots	PDAST660C2	15	1	None	None	G5T2	S2	1B.2	USFS_S-Sensitive	Chaparral, Coastal scrub
Monardella hypoleuca ssp. hypoleuca	white-veined monardella	Dicots	PDLAM180A5	29	10	None	None	G4T3	S3	1B.3	null	Chaparral, Cismontane woodland
Myotis yumanensis	Yuma myotis	Mammals	AMACC01020	265	1	None	None	G5	S4	null	BLM_S-Sensitive, IUCN_LC-Least Concern, WBWG_LM-Low-Medium Priority	Lower montane coniferous forest, Riparian forest, Riparian woodland, Upper montane coniferous forest
Nannopterum auritum	double-crested cormorant	Birds	ABNFD01020	39	1	None	None	G5	S4	null	CDFW_WL-Watch List, IUCN_LC-Least Concern	Riparian forest, Riparian scrub, Riparian woodland
Nasturtium gambelii	Gambel's water cress	Dicots	PDBRA270V0	13	1	Endangered	Threatened	G1	S1	1B.1	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden, SB_SBBG-Santa Barbara Botanic Garden	Brackish marsh, Freshwater marsh, Marsh & swamp, Wetland
Neotoma lepida intermedia	San Diego desert woodrat	Mammals	AMAFF08041	132	1	None	None	G5T3T4	S3S4	null	CDFW_SSC-Species of Special Concern	Coastal scrub
Nycticorax nycticorax	black-crowned night heron	Birds	ABNGA11010	37	1	None	None	G5	S4	null	IUCN_LC-Least Concern	Marsh & swamp, Riparian forest, Riparian woodland, Wetland
Nyctinomops macrotis	big free-tailed bat	Mammals	AMACD04020	32	1	None	None	G5	S3	null	CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, WBWG_MH-Medium-High Priority	null
Oncorhynchus mykiss irideus pop. 10	steelhead - southern California DPS	Fish	AFCHA0209J	20	2	Endangered	Candidate Endangered	G5T1Q	S1	null	AFS_EN-Endangered	Aquatic, South coast flowing waters
Passerculus sandwichensis beldingi	Belding's savannah sparrow	Birds	ABPBX99015	39	3	None	Endangered	G5T3	S3	null	USFWS_BCC-Birds of Conservation Concern	Marsh & swamp, Wetland
Pelecanus occidentalis californicus	California brown pelican	Birds	ABNFC01021	27	6	Delisted	Delisted	G4T3T4	S3	null	BLM_S-Sensitive, CDFW_FP-Fully Protected, USFS_S-Sensitive	null
Phrynosoma blainvillii	coast horned lizard	Reptiles	ARACF12100	784	8	None	None	G3G4	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern	Chaparral, Cismontane woodland, Coastal bluff scrub, Coastal scrub, Desert wash, Pinon & juniper woodlands, Riparian scrub, Riparian woodland, Valley & foothill grassland
Pleuridium mexicanum	Mexican earthmoss	Bryophytes	NBMUS5M080	1	1	None	None	G5	S1	2B.1	null	Chaparral

Quercus dumosa	Nuttall's scrub oak	Dicots	PDFAG050D0	180	8	None	None	G3	S3	1B.1	BLM_S-Sensitive, IUCN_EN-Endangered, SB_CRES-San Diego Zoo CRES Native Gene Seed Bank, USFS_S-Sensitive	Chaparral, Closed-cone coniferous forest, Coastal scrub
Rallus obsoletus levipes	light-footed Ridgway's rail	Birds	ABNME05014	32	1	Endangered	Endangered	G3T1T2	S1	null	CDFW_FP-Fully Protected, NABCI_RWL-Red Watch List	Marsh & swamp, Salt marsh, Wetland
Rana boylei	foothill yellow-legged frog	Amphibians	AAABH01050	2478	2	None	Endangered	G3	S3	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened, USFS_S-Sensitive	Aquatic, Chaparral, Cismontane woodland, Coastal scrub, Klamath/North coast flowing waters, Lower montane coniferous forest, Meadow & seep, Riparian forest, Riparian woodland, Sacramento/San Joaquin flowing waters
Rana draytonii	California red-legged frog	Amphibians	AAABH01022	1671	17	Threatened	None	G2G3	S2S3	null	CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable	Aquatic, Artificial flowing waters, Artificial standing waters, Freshwater marsh, Marsh & swamp, Riparian forest, Riparian scrub, Riparian woodland, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, Wetland
Riparia riparia	bank swallow	Birds	ABPAU08010	298	3	None	Threatened	G5	S2	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Riparian scrub, Riparian woodland
Salvadora hexalepis virgulata	coast patch-nosed snake	Reptiles	ARADB30033	34	7	None	None	G5T4	S2S3	null	CDFW_SSC-Species of Special Concern	Coastal scrub
Scrophularia atrata	black-flowered figwort	Dicots	PDSCR1S010	62	5	None	None	G2?	S2?	1B.2	SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	Chaparral, Closed-cone coniferous forest, Coastal dunes, Coastal scrub, Riparian scrub
Southern California Steelhead Stream	Southern California Steelhead Stream	Inland Waters	CARE2310CA	3	1	None	None	GNR	SNR	null	null	null
Southern Coastal Salt Marsh	Southern Coastal Salt Marsh	Marsh	CTT52120CA	24	1	None	None	G2	S2.1	null	null	Marsh & swamp, Wetland
Southern Vernal Pool	Southern Vernal Pool	Herbaceous	CTT44300CA	7	2	None	None	GNR	SNR	null	null	Vernal pool, Wetland
Sternula antillarum browni	California least tern	Birds	ABNNM08103	75	2	Endangered	Endangered	G4T2T3Q	S2	null	CDFW_FP-Fully Protected, NABCI_RWL-Red Watch List	Alkali playa, Wetland
Suaeda esteroa	estuary seablite	Dicots	PDCH0P0D0	39	1	None	None	G3	S2	1B.2	null	Marsh & swamp, Salt marsh, Wetland
Taricha torosa	Coast Range newt	Amphibians	AAAAF02032	88	11	None	None	G4	S4	null	CDFW_SSC-Species of Special Concern	null
Thamnophis hammondi	two-striped gartersnake	Reptiles	ARADB36160	184	5	None	None	G4	S3S4	null	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive	Marsh & swamp, Riparian scrub, Riparian woodland, Wetland

Thelypteris puberula var. sonorensis	Sonoran maiden fern	Ferns	PPTHE05192	27	6	None	None	G5T3	S2	2B.2	USFS_S-Sensitive	Meadow & seep, Wetland
Thermopsis macrophylla	Santa Ynez false lupine	Dicots	PDFAB3Z0E0	8	8	None	Rare	G1	S1	1B.3	SB_CalBG/RSABG- California/Rancho Santa Ana Botanic Garden, SB_SBBG- Santa Barbara Botanic Garden, USFS_S-Sensitive	Chaparral
Tryonia imitator	mimic tryonia (=California brackishwater snail)	Mollusks	IMGASJ7040	39	1	None	None	G2	S2	null	IUCN_DD-Data Deficient	Aquatic, Brackish marsh, Estuary, Lagoon, Marsh & swamp, Salt marsh, Wetland
Vireo bellii pusillus	least Bell's vireo	Birds	ABPBW01114	504	2	Endangered	Endangered	G5T2	S2	null	IUCN_NT-Near Threatened, NABCI_YWL-Yellow Watch List	Riparian forest, Riparian scrub, Riparian woodland