

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.

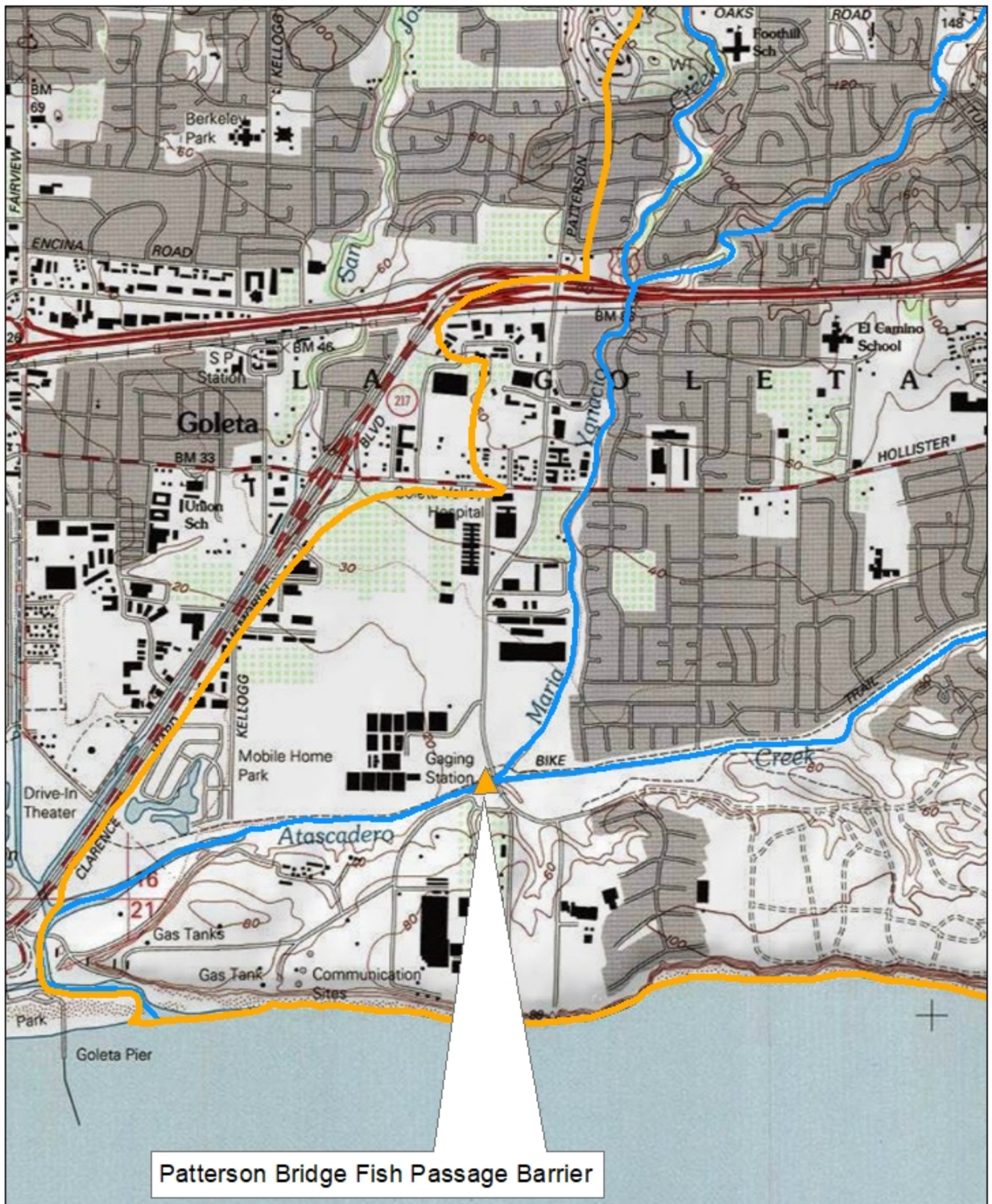
During project activities, all trash that may attract predators will be properly contained, removed from the work site, and disposed of regularly. Following construction, all trash and construction debris will be removed from work areas.

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))

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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</i> <i>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</i> <i>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</i> <i>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</i> <i>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 | PDR0S0W045 | 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 |
| Pleurodium mexicanum | Mexican earthmoss | Bryophytes | NBMUS5M080 | 1 | 1 | None | None | G5 | S1 | 2B.1 | null | Chaparral |

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|--------------------------------------|--------------------------------------|---------------|------------|------|----|------------|------------|---------|------|------|---|--|
| 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 | PDCHE0P0D0 | 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 |

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|--|--|----------|------------|-----|---|------------|------------|------|----|------|---|---|
| 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 |