



This Endangered Species Act (ESA) Section 7(a)(2) Review Form is for the multi-agency implementation of restoration projects in California under the Statewide Programmatic Restoration Effort (Effort). This form serves to document that restoration projects proposed under the Effort are in compliance with the U.S. Fish and Wildlife Service (USFWS) Programmatic Biological and Conference Opinion (PBO) (USFWS File Number: 2022-0005149-S7). Follow the steps below before submitting this form.

While the action area of this programmatic consultation is the entire state of California, it is the responsibility of the Project Proponent to coordinate with and receive permission from any landowners for which activities may occur, including federal lands, in order to proceed under this programmatic consultation.

INSTRUCTIONS:

- 1) Read the PBO to determine if the project fits the Project Eligibility Criteria.
- 2) Review the Program Administration for ESA Section 7 Compliance with USFWS Flow Chart in the PBO. Please note that USFWS ES welcomes early coordination on any such projects expecting to use the PBO. Either the Action Agency or Action Agency and Project Proponent can contact the local USFWS ES Field Office for technical assistance prior to submitting this form.
- 3) Complete pages 1-10 of this form in their entirety. Attach all necessary documents, maps, and photos as outlined in the Project Description Checklist on page 3. Attach biologist information as outlined on page 8.
- 4) For Guild and Species-Specific Measures (pages 11-21), either indicate that the measures do not apply or complete and include measures **only for guild/species that are applicable to the project.**
- 5) Complete the project approval and signatures page (page 22).
- 6) Report all injury or mortality of listed species to the respective USFWS Field Office within 48 hours.
- 7) Provide the information requested in the Post-Construction Report Form to the respective USFWS Field Office by December 1st. If the monitoring/success criteria are not complete at that time, an additional report is due each year on December 1st until complete. The standard for revegetation success is 60% percent absolute cover compared to pre-project conditions at the project site or at least 60% cover compared to an intact, local reference site. If an appropriate reference site or pre-project conditions cannot be identified, success criteria will be developed for review and approval on a project-by-project basis, based on the specific habitat impacted and known recovery times for that habitat and geography.

GENERAL INFORMATION

Provide the following information:

Project Name:

Project Proponent:

Contact Name:

Email:

Phone:

Lead Action Agency:

Contact Name:

Email:

Phone:

This project is expected to require / has received a permit from the U.S. Army Corps of Engineers (USACE).

This project is applying for / has received funding from the NOAA Restoration Center (NOAA RC).

This project is applying for / has received funding from the NOAA Office for Coastal Management (NOAA OCM).

This project is applying for / has received funding from the U.S. Bureau of Reclamation (BOR).

This project is applying for / has received funding from the USFWS.

This project is being carried out by the USFWS.

This project is applying for / has received funding or a permit from a federal agency not listed above.

List other participating federal agencies:

Pre-planning coordination with Jurisdictional USFWS Field Office:

Jurisdictional Field Office:

Email: Contact Name:

Phone:

Multi-Agency Implementation of Restoration Projects Programmatic Biological Assessment and corresponding PBO has been read:

PROJECT INFORMATION

Proposed Start Date (mm/dd/yyyy):

Proposed End Date (mm/dd/yyyy):

Coordinates of Project Location (Decimal Degrees): Latitude:

Longitude:

Project Types

Check all that apply

Improvements to Stream Crossings and Fish Passage

Removal of small dams, tide gates, flood gates, and legacy structures

Bioengineered bank stabilization

Restoration and enhancement of off-channel and side-channel habitat

Water conservation projects for enhancement of fish and wildlife habitat

Floodplain restoration

Removal of pilings and other in-water structures

Removal of nonnative terrestrial and aquatic invasive species and revegetation with native plants

Establishment, restoration, and enhancement of tidal, subtidal, and freshwater wetlands (incl. vernal pools and managed wetlands)

Establishment, restoration, and enhancement of stream and riparian habitat and upslope watershed sites

Project Description attached?

Project Area Map(s) attached?

PROHIBITED ACTIVITIES

Are any of the prohibited activities a part of the proposed project?

If yes, it is unlikely the PBO will be applicable to your project. However, if you believe your project does qualify, please identify which prohibited activities are part of your project and describe in detail why you believe your project can fit within the context of the PBO in an attached statement.

INFORMATION TO INCLUDE

Include a project description as an attachment to this ESA Section 7(a)(2) Review Form. Use the following checklist to ensure that the project description includes all necessary information.

Project goals and objectives

An Official Species List from the USFWS Information for Planning and Consultation (IPaC) online tool to identify the listed species of interest at the project location (based on this evaluation, identification of the Covered Species, presence of suitable habitat onsite, and their potential to occur onsite). Include the number generated from IPaC for USFWS tracking purposes

Describe the problem being addressed by the project and the context of this issue in the watershed

Description of the type of project and restoration techniques used (culvert replacement, instream habitat improvements, etc.)

Project dimensions

Project area maps

Description of construction activities anticipated (types of equipment, timing, and staging areas or access roads required) and the materials that will be used

If dewatering of the work site will be necessary, a description of temporary dewatering methods, including USFWS-approved Biologist(s) who will be on site to capture and transport protected or listed fish or other listed wildlife species

Construction start and end dates, including specific dates of in-water work and the application of work windows

Estimated number of creek crossings and types of vehicles used during construction

In instances when vegetation will be affected as a result of the project (including removal and replacement), a visual assessment of dominant native shrubs and trees, approximate species diversity, and approximate acreage or square feet

Description of existing site conditions and an explanation of how proposed activities improve or maintain these conditions for Covered Species within expected natural variability

Pre-project photo-monitoring data (in accordance with CDFW photo-monitoring guidelines, and as described in Woodward and Hollar [2011] <https://pubs.usgs.gov/tm/tm2a11/>.)

Description of key habitat elements (temperature; type: pool, riffle, or flatwater; estimate of instream shelter and shelter components; water depth; dominant substrate type, etc.) for Covered Species in the project vicinity

Concise summary of effects to listed species from the proposed project in conjunction with any conservation measures that will be implemented. Briefly describe the anticipated effects for each of the affected species. (e.g., loss of habitat, handling and relocation, take, etc.). Please refer to the Self-Imposed Annual Take Limits Table in the PBO, and provided in Attachment B to this form. Be sure to use the same terminology when describing the anticipated impacts to individual(s) of each species

Concise summary of effects to critical habitat, if applicable. Briefly describe the anticipated effects to the respective critical habitat for each affected species, as applicable (e.g., loss of biological features, etc.)

Information for biologists seeking USFWS-approval. See details regarding USFWS-approved biologists below (page 7)

Any modified conservation measures as indicated by the checklist below

All required plans associated with the project as required by applicable conservation measures

Proposed monitoring plan for the project

HERBICIDES:

Will herbicide use be a component of the restoration project? If so, identify which active ingredients will be used:

2,4-D (amine)	Dicamba	Picloram
Aminopyralid	Glyphosate 1 (aquatic)	Sethoxydim
Chlorsulfuron	Imazapic	Sulfometuron
Clethodim	Imazapyr	Triclopyr (TEA)
Clopyralid	Metsulfuron methyl	

Other - Provide a complete effects analysis to allow the USFWS to determine if application of this herbicide can be covered under the PBO. In your attached project description, please include details on the proposed application of herbicides along with the protective measures that will be incorporated into your project to minimize adverse affects from the use of the herbicide(s). If the protective measures are not consistent, where applicable, with the "Best Management Practices for Wildland Stewardship: Protecting Wildlife When Using Herbicides for Invasive Plant Management (Cal-IPC 2015 or the most recent version)", attach a project-specific Integrated Pest Management Plan.

COVERED WILDLIFE SPECIES / CRITICAL HABITAT LIST

NO EFFECT SPECIES LIST

List all species from the project's Official Species List generated by the USFWS Information and Planning and Consultation (IPaC) online tool (<https://ipac.ecosphere.fws.gov/>) that you have determined will not be affected by project activities:

AFFECTED SPECIES

Complete the following table by indicating which species will be affected by the project; whether there are effects to critical habitat; whether the species occurs or is assumed to occur within the project area with the year of the most recent known occurrence; and whether incidental take of the species is anticipated. Take is defined as to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture or collect, or to attempt to engage in any such conduct. Harm is further defined by the Service to include significant habitat modification or degradation that results in death or injury to wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or sheltering. Incidental take is defined as take that is incidental to, and not the purpose of, the carrying out of an otherwise lawful activity. The PBO includes a table with the self-imposed take limits for covered animal species.

Amphibians

Common Name	Project level effects (check for yes)	Critical Habitat effects (check for yes)	Species occurs in project vicinity (check for yes)	Year of most recent occurrence (if known)	NLAA or amount/extent of estimated take
arroyo toad					
California red-legged frog					
California tiger salamander (Central California DPS)					
California tiger salamander (Santa Barbara County DPS)					
foothill yellow-legged frog		Not Applicable			
mountain yellow-legged frog (Northern California DPS)					
Santa Cruz long-toed salamander		Not Applicable			
Sierra Nevada yellow-legged frog					
western spadefoot (Northern DPS)		Not Applicable			
western spadefoot (Southern DPS)		Not Applicable			
Yosemite toad					

Reptiles

Common Name	Project level effects (check for yes)	Critical Habitat effects (check for yes)	Species occurs in project vicinity (check for yes)	Year of most recent occurrence (if known)	NLAA or amount/extent of estimated take
Alameda whipsnake (=striped racer)					
giant garter snake		Not Applicable			
northwestern pond turtle		Not Applicable			
San Francisco garter snake		Not Applicable			
southwestern pond turtle		Not Applicable			

Birds

Common Name	Project level effects (check for yes)	Critical Habitat effects (check for yes)	Species occurs in project vicinity (check for yes)	Year of most recent occurrence (if known)	NLAA or amount/extent of estimated take
California least tern		Not Applicable			
California Ridgway's rail		Not Applicable			
California spotted owl (Coastal-Southern California DPS)		Not Applicable			
California spotted owl (Sierra Nevada DPS)		Not Applicable			
coastal California gnatcatcher					
least Bell's vireo					
light-footed Ridgway's rail					
marbled murrelet					
northern spotted owl					
southwestern willow flycatcher					Not Available (NLAA)
western snowy plover (Pacific Coast DPS)					
yellow-billed cuckoo (Western DPS)					Not Available (NLAA)

Mammals

Common Name	Project level effects (check for yes)	Critical Habitat effects (check for yes)	Species occurs in project vicinity (check for yes)	Year of most recent occurrence (if known)	NLAA or amount/extent of estimated take
riparian (San Joaquin Valley) woodrat		Not Applicable			
riparian brush rabbit		Not Applicable			
salt marsh harvest mouse		Not Applicable			
San Bernardino kangaroo rat					

Invertebrates

Common Name	Project level effects (check for yes)	Critical Habitat effects (check for yes)	Species occurs in project vicinity (check for yes)	Year of most recent occurrence (if known)	NLAA or amount/extent of estimated take
California freshwater shrimp		Not Applicable			
Conservancy fairy shrimp					
longhorn fairy shrimp					
Mount Hermon June Beetle		Not Applicable			
Riverside fairy shrimp					
San Diego fairy shrimp					
Smith's blue butterfly		Not Applicable			
valley elderberry longhorn beetle					
vernal pool fairy shrimp					
vernal pool tadpole shrimp					

Fish

Common Name	Project level effects (check for yes)	Critical Habitat effects (check for yes)	Species occurs in project vicinity (check for yes)	Year of most recent occurrence (if known)	NLAA or amount/extent of estimated take
delta smelt					
Lahontan cutthroat trout		Not Applicable			
longfin smelt (San Francisco Bay-Delta DPS)		Not Applicable			
tidewater goby					
unarmored threespine stickleback		Not Applicable			

Plants

Common Name	Project level effects (check for yes)	Critical Habitat (check for yes)	Species occurs in project vicinity (check for yes)	Year of most recent occurrence (if known)	Adverse effects anticipated (check for yes)
Vernal Pool Plant Species					
Butte County meadowfoam					
California Orcutt grass		Not Applicable			
Contra Costa goldfields					
few-flowered navaretia		Not Applicable			
fleshy owl's-clover					
hairy Orcutt grass					
Hoover's spurge					
Otay Mesa-mint		Not Applicable			
Sacramento Orcutt grass					
San Diego ambrosia					
San Diego button-celery		Not Applicable			
San Joaquin (=San Joaquin Valley) Orcutt grass					
slender Orcutt grass					
spreading navarretia					
thread-leaved brodiaea					
Non-Vernal Pool Plant Species					
Ben Lomond spineflower		Not Applicable			
California seablite		Not Applicable			
Howell's spineflower		Not Applicable			Not Available (NLAA)
La Graciosa thistle					
marsh sandwort					
palmate-bracted bird's-beak		Not Applicable			Not Available (NLAA)
pedate checker-mallow					Not Available (NLAA)
salt marsh bird's-beak		Not Applicable			
Santa Ana River woolly-star		Not Applicable			Not Available (NLAA)
slender-horned spineflower		Not Applicable			Not Available (NLAA)
soft bird's-beak					Not Available (NLAA)
Sonoma alopecurus		Not Applicable			Not Available (NLAA)
Suisun thistle					Not Available (NLAA)
Ventura marsh milk-vetch					

USFWS-APPROVED BIOLOGISTS:

Submit the following information for each biologist seeking USFWS approval:

- For biologists who have permits for the requested work (e.g. 10(a)1(a) Recovery permit) or have been previously approved by the USFWS for the work being requested, provide the permits held to conduct the requested activities and/or the project reference number and date of the previous USFWS approvals.
- For biologists who do not have permits or have not been previously approved for the requested work, submit the following:
 - A list of their experience conducting each of the requested activities including the number of hours worked. (Be specific.)
 - A list of any trainings that are relevant to the requested activities.
 - A resume which includes all relevant work experience and references that can speak to the biologists' experience conducting the requested activities

CONSERVATION MEASURES:

Review all programmatic conservation measures and indicate whether the measure will be implemented, is not applicable, or a modified measure has been proposed. The checklists for General Protection Measures, Water Quality and Hazardous Material Measures, In-Water Measures, Vegetation/Habitat Disturbance and Revegetation Measures, and the All Species Measures in the Species Protection Measures section (pages 9-11) should be completed for all projects. At the beginning of each Guild and Species-Specific Measures section, indicate if the Guild and Species-Specific Measures would apply (pages 11-21) and complete Guild and Species-Specific Measures checklists **only for guilds/species that will be affected by the project.**

Ensure that all conservation measures listed in supporting documentation (e.g. biological assessment, CESA and CEQA documents) align with the conservation measures listed in the PBO. Any discrepancies or conflicting conservation measures should be addressed before submission of this ESA Section 7(a)(2) Review Form.

Include any modified measures in the project description. All required plans (e.g. herbicide use plan, capture and relocation plan, monitoring plan) should also be included as a part of the project description.

GENERAL PROTECTION MEASURES

See attached general protection measures for further details.

General Protection Measures	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
GPM-1, Receipt and Copies of All Permits and Authorizations			
GPM-2, Construction Work Windows			
GPM-3, Construction Hours			
GPM-4, Environmental Awareness Training			
GPM-5, Environmental Monitoring			
GPM-6, Work Area and Speed Limits			
GPM-7, Environmentally Sensitive Areas and/or Wildlife Exclusion			
GPM-8, Prevent Spread of Invasive Species			
GPM-9, Practices to Prevent Pathogen Contamination			
GPM-10, Equipment Maintenance and Materials Storage			
GPM-11, Material Disposal			
GPM-12, Fugitive Dust Reduction			
GPM-13, Trash Removed Daily			
GPM-14, Project Cleanup after Completion			
GPM-15, Revegetate Disturbed Areas			
GPM-16, Wildfire Prevention			

WATER QUALITY AND HAZARDOUS MATERIALS

Water Quality and Hazardous Materials Measures	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
WQHM-1, Staging Areas and Stockpiling of Materials and Equipment			
WQHM-1, Storm Water Pollution Prevention Plan			
WQHM-3, Erosion Control Plans			
WQHM-4, Hazardous Materials Management and Spill Response			
WQHM-5, In-Water Concrete Use			

IN-WATER MEASURES

General In-Water Measures	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
IWW-1, Appropriate In-Water Materials			
IWW-2, In-Water Vehicle Selection and Work Access			
IWW-3, In-Water Placement of Materials, Structures, and Operation of Equipment			
IWW-4, In-Water Staging Areas and Use of Barges			
IWW-5, Cofferdam Construction			
IWW-6, Dewatering/Diversion			
IWW-7, Fish and Aquatic Species Exclusion While Installing Diversion Structures			
IWW-8, Removal of Diversion and Barriers to Flow			
IWW-9, In-Water Pile Driving Plan for Sound Exposure			
IWW-10, In-Water Pile Driving Methods			
IWW-11, Sediment Contaminant during In-Water Pile Driving			
IWW-12, Pile Driving Monitoring			
IWW-13, Dredging Operations and Dredging Materials Reuse Plan			

VEGETATION/HABITAT DISTURBANCE AND REVEGETATION

Vegetation/Habitat Disturbance and Revegetation Measures	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
VHDR-1, Avoidance of Vegetation Disturbance			
VHDR-2, Native and Invasive Vegetation Removal Materials and Methods			
VHDR-3, Revegetation Materials and Methods			
VHDR-4, Revegetation Erosion Control Materials and Methods			
VHDR-5, Revegetation Monitoring and Reporting			
VHDR-6, General Herbicide Use			
VHDR-7, Herbicide Application Planning			
VHDR-8, Herbicide Application Reporting			

SPECIES PROTECTION MEASURES

ALL SPECIES:

See attached protection measures for further detail.

All-Species Protection Measures	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
ASP-1, Qualifications of the Qualified Biologist and USFWS-Approved Biologist			
ASP-2, Preconstruction Surveys			
ASP-3, Species Capture, Handling, and Translocation			
ASP-4, Covered Species Entrapment Prevention			
ASP-5, Airborne Noise Reduction			

GUILD MEASURES AND SPECIES-SPECIFIC MEASURES

Amphibians:

Does the proposed project affect covered species within this guild?

If yes, complete the tables below. If no, proceed to the next guild. See Appendix C for further detail on protection measures.

General Amphibian Protection Measures	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
AMP-1, Wildlife Passage Design			
AMP-2, Rain Event Limitations			
AMP-3, Preconstruction Survey			
AMP-4, Disease Prevention and Decontamination			
AMP-5, Lighting			
AMP-6, Clearing and Grubbing Vegetation			
AMP-7, Pump Screens			
AMP-8, Removal of Nonnative Invasive Species			
AMP-9, Placement of Suitable Erosion Control Material			
AMP-10, Encounters with Species			
AMP-11, Species Observations and Handling Protocol			

	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
ARROYO TOAD			
ARTO-1, Conduct Habitat Assessment			
ARTO-2, Work Window			
CALIFORNIA RED-LEGGED FROG AND CALIFORNIA TIGER SALAMANDER (SONOMA COUNTY DPS, CENTRAL CALIFORNIA DPS, AND SANTA BARBARA DPS)			
CRLF-CTS-1, Work Windows			
CRLF-CTS-2, Nonnative Animal Removal			
SIERRA NEVADA YELLOW-LEGGED FROG, MOUNTAIN YELLOW-LEGGED FROG (NORTHERN CALIFORNIA DPS), AND FOOTHILL YELLOW-LEGGED FROG			
SNYLF-MYLF-FYLF-1, Work Windows			
SNYLF-MYLF-FYLF-2, Water Temperature			
SNYLF-MYLF-FYLF-3, Borrow Site Sediment Control			
YOSEMITE TOAD			
YOTO-1, Work Windows			
YOTO-2, Water Temperature			
YOTO-3, Borrow Site Sediment Control			
YOTO-4, Lupine Areas			
YOTO-5, Debris Disposal and Piling			
YOTO-6, Burning Piles			
WESTERN SPADEFOOT (NORTHERN DPS AND SOUTHERN DPS)			
WSF-1,Upland Burrow Avoidance			
WSF-2, Work Windows			
WSF-3, Preconstruction Surveys			
WSF-4, Environmentally Sensitive Areas and Wildlife Exclusion			
SANTA CRUZ LONG-TOED SALAMANDER			
SCLTS-1, Habitat Impact Avoidance			
SCLTS-2, Work Windows			

Reptiles:

Does the proposed project affect covered species within this guild?

If yes, complete the tables below. If no, proceed to the next guild. See Appendix C for further detail on protection measures.

General Reptile Protection Measures	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
REP-1, Preconstruction Survey			
REP-2, Environmentally Sensitive and Wildlife Exclusion			
REP-3, Clearing and Grubbing Vegetation			
REP-4, Prohibited Use of Rodenticides			
REP-5, Species Observations and Encounters			
REP-6, Species Handling and Relocation			
ALAMEDA WHIPSNAKE (=STRIPED RACER)	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
AWS-1, Habitat Avoidance and Work Window			
AWS-2, Daily Timing Restrictions			
GIANT GARTER SNAKE	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
GGS-1, Biologists			
GGS-2, Minimize Footprint			
GGS-3, Work Window			
GGS-4, Speed Limit			
GGS-5, Minimize Clearing			
GGS-6, Environmentally Sensitive Areas and Wildlife Exclusion			
GGS-7, Minimize Impacts during Clearing			
GGS-8, Work Stoppage			
GGS-9, Working in Aquatic Habitat			
GGS-10, Dewatering Activities			
GGS-11, Snake Observation			

SAN FRANCISCO GARTER SNAKE	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
SFGS-1, Speed Limit			
SFGS-2, Work Window			
SFGS-3, Daily Timing Restrictions			
SFGS-4, Working in or near Aquatic Habitat			
SFGS-5, Brush Piles			

WESTERN POND TURTLES (NORTHWESTERN POND TURTLE AND SOUTHWESTERN POND TURTLE)	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
WPT-1, Habitat Avoidance			
WPT-2, Visual Encounter Surveys			
WPT-3, Work Windows			
WPT-4, Environmentally Sensitive Areas and Wildlife Exclusion			
WPT-5, Capture and Relocation			
WPT-6, No Net Loss of Basking Habitat			
WPT-7, Avoid Excessively Shading Nesting Habitat			

Birds:

Does the proposed project affect covered species within this guild?

If yes, complete the tables below. If no, proceed to the next guild. See Appendix C for further detail on protection measures.

GENERAL RAIL PROTECTION MEASURES (CALIFORNIA RIDGWAY'S RAIL, LIGHT-FOOTED RIDGWAY'S RAIL, AND YUMA RIDGWAY'S RAIL)	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
RAILS-1, Habitat Avoidance			
RAILS-2, Work Area Limits			
RAILS-3, Site Access Restrictions			
RAILS-4, Avoid Placement of Predator Perches			
RAILS-5, Use of Handheld Tools			
RAILS-6, Site Stabilization			

CALIFORNIA RIDGWAY'S RAIL	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
CRR-1, Protocol-Level Presence/Absence Surveys			
CRR_2, Species Avoidance and Work Windows			

	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
LIGHT-FOOTED RIDGWAY'S RAIL			
LFRR-1, Habitat Assessment			
LFRR-2, Work Windows			
CALIFORNIA LEAST TERN			
CLT-1, Habitat Avoidance			
CLT-2, Work Windows			
CLT-3, Encounters with Species			
CLT-4, Work Area Limits			
CLT-5, Site Restrictions			
CLT-6, Avoid Placement of Predator Perches			
CLT-7, Use of Handheld Tools and Heavy Equipment			
WESTERN SNOWY PLOVER (PACIFIC COAST DPS)			
WSP-1, Habitat Avoidance			
WSP-2, Work Windows			
WSP-3, Environmental Awareness Training			
WSP-4, Nonbreeding "Wintering" Season Measures			
WSP-5, Breeding Season Measures			
WSP-6, Predator Avoidance			
COASTAL CALIFORNIA GNATCATCHER			
CAGN-1, Habitat Assessment			
CAGN-2, Habitat Avoidance			
CAGN-3, Work Windows			
CAGN-4, Work Restrictions near Active Nests			

MARBLED MURRELET	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
MAMU-1, Work Restrictions in Occupied Habitat			
MAMU-2, Work Restrictions in Unoccupied Habitat			
MAMU-3, Work Restrictions in Marbled Murrelet Critical Habitat			
NORTHERN SPOTTED OWL	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
NSO-1, Inquire with USFWS on Northern Spotted Owl Data Records			
NSO-2, Protocol-Level Surveys			
NSO-3, Habitat Avoidance			
NSO-4, Avoid Reducing Habitat Quality			
NSO-5, Avoid Foraging Habitat			
NSO-6, Work Restrictions in Previously Surveyed Landscape			
NSO-7, Work Restrictions in Unsurveyed Landscape			
NSO-8, Work Restrictions in Designated Critical Habitat			
CALIFORNIA SPOTTED OWL (COASTAL-SOUTHERN CALIFORNIA DPS AND SIERRA NEVADA DPS)	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
CSO-1, Inquire with USFWS on California Spotted Owl Data Records			
CSO-2, Protocol-Level Surveys			
CSO-3, Habitat Avoidance			
CSO-4, Avoid Reducing Nesting and Roosting Habitat Quality			
CSO-5, Avoid Reducing Foraging Habitat Quality			
CSO-6, Work Windows to Avoid Impacts from Noise and Smoke			
CSO-7, Work Windows to Avoid Impacts from Habitat Modification			
LEAST BELL'S VIREO	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
LBV-1, Habitat Assessment			
LBV-2, Habitat Avoidance			
LBV-3, Work Windows			
LBV-4, Work Restrictions near Active Nests			

**SOUTHWESTERN WILLOW FLYCATCHER AND
YELLOW-BILLED CUCKOO (WESTERN U.S. DPS)**

Will be
implemented
(check for yes)

Not applicable
(check for yes)

Modified measure
proposed
(check for yes)

SWWF-YBC-1, Habitat Assessment

SWWF-YBC-2, Habitat Buffer

SWWF-YBC-3, Minimizing Suitable Habitat Adverse Effects

SWWF-YBC-4, Minimizing and Avoiding Critical Habitat Adverse Effects

Mammals:

Does the proposed project affect covered species within this guild?

If yes, complete the tables below. If no, proceed to the next guild. See Appendix C for further detail on protection measures.

SAN BERNARDINO KANGAROO RAT

Will be
implemented
(check for yes)

Not applicable
(check for yes)

Modified measure
proposed
(check for yes)

KRAT-1, Conduct Habitat Assessment

KRAT-2, Habitat Buffer

KRAT-3, Avoidance Areas

KRAT-4, Minimizing Suitable Habitat Adverse Effects

KRAT-5, Minimizing and Avoiding Critical Habitat Adverse Effects

RIPARIAN WOODRAT AND RIPARIAN BRUSH RABBIT

Will be
implemented
(check for yes)

Not applicable
(check for yes)

Modified measure
proposed
(check for yes)

RW-RBR-1, Habitat Assessment and Surveys

RW-RBR-2, Habitat Avoidance (Occupied Habitat)

RW-RBR-3, Habitat Avoidance (Unoccupied Suitable Habitat)

SALT MARSH HARVEST MOUSE

Will be
implemented
(check for yes)

Not applicable
(check for yes)

Modified measure
proposed
(check for yes)

SMHM-1, Vegetation Removal, Other Construction Activities, and Monitoring

Invertebrates:

Does the proposed project affect covered species within this guild?

If yes, complete the tables below. If no, proceed to the next guild. See Appendix C for further detail on protection measures.

CALIFORNIA FRESHWATER SHRIMP	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
CAFS-1, Preconstruction Survey			
CAFS-2, Work Windows			
CAFS-3, Site Access Restrictions			
CAFS-4, Capture and Relocation			
CAFS-5, Dewatering			
CAFS-6, Habitat Protection			
CAFS-7, Rehabilitate Disturbed Habitat			

VERNAL POOL BRANCHIOPODS	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
VPBR-1, Work Windows			
VPBR-2, Biological Monitor			
VPBR-3, Work Restrictions during Wet Season			
VPBR-4, Site Restrictions			
VPBR-5, Erosion Control			
VPBR-6, Dust Control			
VPBR-7, Prevent Hybridization			
VPBR-8, Herbicide Application, Clearing, and Ground Disturbance near Vernal Pools			
VPBR-9, Ground Disturbance in Vernal Pools			

VALLEY ELDERBERRY LONGHORN BEETLE	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
VELB-1, Protocol Implementation			
VELB-2, Elderberry Plantings			

SMITH'S BLUE BUTTERFLY

Will be implemented
(check for yes)

Not applicable
(check for yes)

Modified measure proposed
(check for yes)

Butterfly-1, Preconstruction Survey

Butterfly-2, Site Restrictions

Butterfly-3, Biological Monitor

Butterfly-4, Environmentally Sensitive Areas

Butterfly-5, Dust Control

Butterfly-6, Encounters with Species

Butterfly-7, Restoration of Disturbed Areas

MOUNT HERMON JUNE BEETLE

Will be implemented
(check for yes)

Not applicable
(check for yes)

Modified measure proposed
(check for yes)

MHJB-1, Species Handling and Relocation

MHJB-2, Work Windows

MHJB-3, Lighting

MHJB-4, Landscaping Elements

Fish:

Does the proposed project affect covered species within this guild?

If yes, complete the tables below. If no, proceed to the next guild. See Appendix C for further detail on protection measures.

General Fish Protection Measures	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
FISH-1, Habitat Disturbance Avoidance and Minimization			
FISH-2, Habitat Assessment and Surveys			
FISH-3, Fish Capture and Relocation			
FISH-4, Reporting			
TIDEWATER GOBY	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
TIGO-1, Capture and Relocation			
UNARMORED THREESPINE STICKLEBACK	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
UTS-1, Habitat Disturbance			
DELTA SMELT	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
DS-1, Work Windows			
LONGFIN SMELT (SAN FRANCISCO BAY-DELTA DPS)	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
LFS-1, Work Windows			
LFS-2, Capture and Relocation			
LAHONTAN CUTTHROAT TROUT	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
LCT-1, Work Windows			

Plants:

Does the proposed project affect covered species within this guild?

If yes, complete the tables below. If no, proceed to the next guild. See Appendix C for further detail on protection measures.

General Plant Protection Measures	Will be implemented (check for yes)	Not applicable (check for yes)	Modified measure proposed (check for yes)
PLANT-1, Habitat Assessment and Surveys			
PLANT-2, Exclusion Buffer Establishment			
PLANT-3, Exceptions to Work Restrictions in the Exclusion Buffer			
PLANT-4, Additional Seasonal Avoidance of Vernal Pool Plant Species and Other Covered Annual and Perennial Species Beyond the Exclusion Buffer			
PLANT-5, Biological Monitoring			
PLANT-6, Herbicide Application, Clearing, and Ground Disturbance near Covered Plants			
PLANT-7, Measures for When Effects Cannot Be Avoided			
PLANT-8, Vernal Pool Plant Species Measures for Temporary Vernal Pool Habitat Impacts			

CUMULATIVE ACTIONS

Please identify any future state or private activities, not involving federal actions, that may affect Covered Species in the general area of the project, if known:

PROJECT APPROVAL AND SIGNATURES

To be completed by the Project Proponent and/or the Action Agency.

This ESA Section 7(a)(2) Review Form and its attachments have been submitted to the USFWS for their consideration to include the described restoration project among the restoration projects included in the Programmatic Biological and Conference Opinion (USFWS File Number: 2022_0005149-S7). Upon approval of the USFWS, we agree to conduct the activities as specified in this ESA Section 7(a)(2) Review Form and its attachments according to the terms and conditions of the PBO and its supporting documents. We also acknowledge that any applicable reasonable and prudent measures and terms and conditions included in the PBO incidental take statement are non-discretionary and must be undertaken by the Action Agency and Project Proponent, and included in any permit or other authorization issued by the Action Agency to the Project Proponent, for the exemption in ESA section 7(o)(2) to apply.

Project Proponent Signature:

Action Agency Signature:

Name (printed):

Name (printed):

Title:

Title:

Organization:

Agency:

Action Agency Notes:

REVIEW FORM FOR INCLUSION IN THE USFWS PROGRAMMATIC BIOLOGICAL OPINION FOR RESTORATION PROJECTS IN CALIFORNIA

To be completed by the USFWS Field Office

USFWS concurs that the described restoration project is a covered activity and effects to the listed species and any associated critical habitat presented in this ESA Section 7(a)(2) Review Form have been analyzed in the Programmatic Biological and Conference Opinion (PBO) for the California Statewide Programmatic Restoration Effort (USFWS File Number: 2022-0005149-S7). Take of listed species as indicated in this form is in accordance with the PBO's incidental take statement and exempted under section 7(o)(2) of the Act. The proposed project and its activities are covered by the PBO under USFWS File Number: 2022-0005149-S7. Therefore, no further action pursuant to the ESA is necessary for the proposed project unless the amount or extent of taking specified in the PBO incidental take statement is exceeded; new information reveals effects of the action that may affect listed species or critical habitat in a manner or to an extent not previously considered; the action is subsequently modified in a manner that causes an effect to the listed species or critical habitat that was not considered; or a new species is listed or critical habitat designated that may be affected by the identified action.

USFWS Notes:

USFWS Signature:

Name:

Title:

Field Office:

ECOSphere Species Consultation Code: