

# Ecosystem Restoration and Climate Adaptation Grant Program Update Staff Report

# BACKGROUND

The Ecosystem Restoration and Climate Adaptation (ERCA) Grant Program refers to a collection of projects that support multi-benefit ecosystem restoration, watershed protection, and climate adaptation projects in the Sacramento-San Joaquin Delta and Suisun Marsh. Projects in this program are currently supported through several funding sources: Proposition 1 Water Quality, Supply, and Infrastructure Improvement Act; Climate Resilience, Community Access, and Natural Resource Protection (CAR); and Nature Based Solutions: Wetland Restoration (NBS: WR). The Proposition 1 Grant Program is designed to support multi-benefit ecosystem, watershed protection and restoration projects in accordance with statewide priorities. The CAR is a General Fund allocation and promotes multi-benefit projects within the areas of climate resilience, community access, and natural resources protection. The NBS: WR is a General Fund allocation supporting wetland restoration projects in the Sacramento-San Joaquin Delta.

The Grant Program requires both a concept proposal and a full proposal. Full proposals are subject to a rigorous review and evaluation process by staff and external professional reviewers (when applicable) and are recommended for funding based upon review, evaluation, and funding availability.

Ecosystem Restoration and Climate Adaptation Grant Program Funding Sources. CEP refers to the
Community Enhancement Grant Program (Agenda Item 9.1). Amounts listed in millions of dollars.

Funding	Total	Minimum	Total	Amount	Allocation	Encumbrance	Program(s)
Source	Allocation	Amount	Amount	Remaining	Date	Date	Supported
		Available	Allocated	to be			by Funding
		for Grants	for Grants	Allocated			Source
Proposition	\$50.0	\$42.5	\$42.4	\$0.1	8/13/2014	Variable	ERCA
1							
CAR	\$5.25	\$4.99	\$4.99	\$0	9/23/2021	6/30/2024	ERCA and
							CEP
CAR	\$6.125	\$5.82	\$5.35	\$0.02	9/6/2022	6/30/2025	ERCA and
							CEP
NBS:	\$36.0	\$34.2	\$34.2	\$0	9/6/2022	6/30/2025	ERCA
Wetland							
Restoration							

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#### PROGRAM UPDATE

As of June 24, 2024, there are 19 active projects and 20 closed projects.

## ACTIVE PROJECTS

#### **Nature-Based Solutions: Wetland Restoration**

The Board awarded \$32.4 million for four projects (one planning with implementation, one acquisition, and two implementation) – all of which are active.

Project Name	Wetland Mosaic Landscape on Webb Tract (Planning, Implementation)
Amount Awarded	\$20,907,371
County	Contra Costa
Project ID	NBS01
Grantee	Metropolitan Water District
Overview	Design and construct up to 3,500 acres of managed, flooded wetlands and
	up to 1,500 acres of rice fields on Webb Tract. The main objectives are to
	create fish and wildlife habitat, reverse subsidence, reduce greenhouse gas
	(GHG) emissions, develop sustainable agriculture opportunities,
	investigate sustainable water management practices, and explore the
	carbon market as a potential revenue stream to improve long-term
	economic viability of wetlands.
Grant Agreement Status	Active as of 3/6/2024
New Information	Planning for the rice conversion and wetland restoration projects has
	started. The Grantee held a public outreach meeting on July 10. Staff
	prepared a detailed update on the projects in Agenda Item 8.1 of this
	Board packet.

Project Name	Delta Rice Conversion Program (Implementation)
Amount Awarded	\$4,333,124
County	San Joaquin and Contra Costa
Project ID	NBS02
Grantee	The Nature Conservancy
Overview	Provide financial incentives by funding the cost of conversion for Delta
	Farmers to convert existing agriculture to wildlife-friendly rice. The
	Program will target 5,000 acres in the Delta to halt subsidence, reduce
	greenhouse gas emissions, and provide fish and wildlife habitat.
Grant Agreement Status	Active as of 6/13/2024
New Information	The Grantee released the Request for Proposals to enroll farmers into the
	program. Land conversions are expected to start this year.

Project Name	Land Acquisition on Bethel Island (Acquisition)
Amount Awarded	\$2,197,466
County	Contra Costa
Project ID	NBS03
Grantee	John Muir Land Trust
Overview	Acquire a 600-acre parcel on Bethel Island to be converted to wetlands and permanently stewarded and protected. Future phases of this project will provide fish and wildlife habitat, reverse subsidence, reduce greenhouse gas emissions, and benefit the residents of Bethel Island by reducing flood risk and providing open space. This Project will also explore the carbon market as a potential revenue stream to improve long-term economic viability of wetlands.
Grant Agreement Status	Active as of 3/25/2024
New Information	Community outreach is on-going; cost-share from other entities is in
	negotiations and pending Board approvals; purchase contract expires
	January 2025.

Project Name	Wetland Restoration Project on Staten Island (Implementation)
Amount Awarded	\$6,753,396
County	San Joaquin
Project ID	NBS04
Grantee	The Nature Conservancy
Overview	Convert 426 acres of existing corn to wetlands on a portion of Staten
	Island that has become too wet to farm. The wetlands will provide fish and
	wildlife habitat, reverse subsidence on the most deeply subsided portion
	of the island, reduce greenhouse gas emissions, and support the wildlife-
	friendly agriculture that is occurring on Staten Island Preserve. This Project
	will also explore the carbon market as a potential revenue stream to
	improve long-term economic viability of wetlands.
Grant Agreement Status	Active as of 4/19/2024
New Information	Planning (funded by a California Department of Fish and Wildlife
	Proposition 1 Grant) is nearly complete and final design is underway. The
	Grantee has received tribal interest and is communicating with tribes
	regarding planning.

# CAR – Fiscal Year 2021-2022

The Board awarded \$390,000 for one planning project.

Project Name	Big Break Regional Shoreline Restoration and Public Access Planning
	Project (Planning)
Amount Awarded	\$390,000
County	Contra Costa
Project ID	CAR03
Grantee	East Bay Regional Park District
Overview	Create planning documents to support public access and the long-term
	sustainability of 1,648 acres of open water, wetlands, and upland habitat.
Grant Agreement Status	Active as of 12/14/2022
New Information	A Notice to Proceed has been issued. Project is underway.

# Proposition 1 Cycle 5 – Fiscal Year 2021-2022

The Board awarded approximately \$3.0 million for six projects (two planning and four implementation) – all of which are active.

Project Name	Little Franks Tract Invasive Weed Removal and Restoration Project	
	(Implementation)	
Amount Awarded	\$427,706	
County	Contra Costa	
Project ID	P1-2204	
Grantee	Contra Costa Resource Conservation District	
Overview	Test and identify workable solutions to remove invasive weeds, improve	
	habitat value, and prevent further spread of invasive plants in the Franks	
	Tract State Recreation Area.	
Grant Agreement Status	Active as of 4/21/2023	
New Information	The Grantee is completing aerial mapping of Project site and field	
	verification that will be used to plan work areas and access. The next step	
	is permitting and weed management.	

Project Name	Yolo Bypass Wildlife Area Habitat and Drainage Improvement Project,	
	Phase Two (Implementation)	
Amount Awarded	\$887,516	
County	Yolo	
Project ID	P1-2207	
Grantee	Ducks Unlimited	
Overview	Constructing hydrological improvements that will restore 220 acres of	
	seasonal wetland, enhance management of 1,803 acres of existing	
	seasonal wetland, and improve water management to 1,180 acres of	
	wildlife-friendly agricultural wetland.	
Grant Agreement Status	Active as of 3/16/2023	
New Information	The Grantee anticipates submitting a request to modify the scope of work	
	in Fall 2024.	

Project Name	Ulatis Creek Habitat Restoration Project (Implementation)
Amount Awarded	\$413,586
County	Solano
Project ID	P1-2208
Grantee	Solano County Resource Conservation District
Overview	Create 20 acres of riparian woodland area along the north bank of Ulatis
	Creek. A total of 1,880 native trees/shrubs and 25,000 forb/sedge plugs
	will be planted, 100 pounds of wildflowers will be seeded, and invasive
	non-native plants (including Arundo donax) will be controlled throughout
	the project site resulting in an increase in native habitat area.
Grant Agreement Status	Active as of 6/13/2023
New Information	The Grantee continues to work on weed control but has also started
	planting and avian monitoring. Grantee is working with Yocha Dehe
	Wintun Nation for cultural sensitivity training.

Project Name	Improving Hydrological Resiliency of Managed Wetlands in the Suisun	
	Marsh (Implementation)	
Amount Awarded	\$542,546	
County	Solano	
Project ID	P1-2209	
Grantee	Suisun Resource Conservation District	
Overview	Improve habitat conditions in the Suisun Marsh by installing new	
	hydrological infrastructure at four project sites that will benefit 3,000 acres	
	of managed wetlands.	
Grant Agreement Status	Active as of 03/27/2023	
New Information	The Grantee submitted permit application packages and construction	
	contracts are expected to be executed in summer 2024. Construction at	
	one site is delayed due to necessary bridge repairs.	

Project Name	Marsh Creek Reservoir Restoration and Total Mercury Reduction Project	
	(Planning)	
Amount Awarded	\$550,000	
County	Contra Costa	
Project ID	P1-2211	
Grantee	Contra Costa County Flood Control and Water Conservation District	
Overview	Design a shovel-ready multi-benefit project that would restore the Marsh	
	Creek Reservoir system, provide ecological benefit, improve flood capacity,	
	and enhance public recreation opportunities.	
Grant Agreement Status	Active as of 5/23/2023	
New Information	Technical studies, field assessments, and design development are in	
	progress.	

Project Name	Van Buskirk Multi-Benefit Ecosystem Restoration Planning Project
	(Planning)
Amount Awarded	\$467,848
County	San Joaquin
Project ID	P1-2212
Grantee	American Rivers
Overview	Multi-benefit ecosystem restoration planning project that will integrate
	nature-based design solutions and multi-benefit flood protection concepts,
	as well as work with partners to seek implementation funding for future
	projects at the site.
Grant Agreement Status	Active as of 12/22/2022
New Information	The Grantee has been conducting outreach and planning is ongoing. They
	have been in communication with the Army Corps regarding the levee at
	the Project site and design of the levee will begin in 2026. The Grantee is
	seeking a setback levee and levee walking trails.

# Proposition 1 Cycle 4 – Fiscal Year 2018-2019

The Board awarded approximately \$14.9 million for 10 projects (eight planning and two implementation). One project was withdrawn after receiving an award. To date, three projects have closed.

Project Name	Mello/Jensen Heirs Sandhill Crane Preserve Project (Implementation)
Amount Awarded	\$2,263,472
County	Sacramento
Project ID	Prop 1-1801
Grantee	Agricultural-Natural Resources Trust
Overview	Acquire a conservation easement on 275 acres of farmland to ensure that
	it remains as wildlife friendly agriculture
Grant Agreement Status	Active as of 12/29/2020
New Information	Project is complete. Conservancy staff are working with the Grantee to
	complete closeout.

Project Name	Delta Waterways Habitat Restoration Planning (Planning)
Agreement Amount	\$347,481
County	Solano
Project ID	Prop 1-1804
Grantee	Solano Resource Conservation District
Overview	Planning for restoration and enhancement of waterways and edge habitats
	on working lands in Solano County
Grant Agreement Status	Active as of 12/19/2019
New Information	The Grantee is working on permitting, implementation funding, and
	landowner and agency coordination for the four sites.

Project Name	Lower San Joaquin Riparian Corridor (Planning)
Amount Awarded	\$522,027
County	San Joaquin
Project ID	Prop 1-1808
Grantee	American Rivers
Overview	Planning for restoration of floodplain and riparian habitat along the lower
	San Joaquin River
Grant Agreement Status	Active as of 5/3/2021
New Information	The Grantee is working with the landowner and the U.S. Army Corps of
	Engineers on design plans. Conservancy staff prepared a staff
	recommendation for consideration for an amendment to modify the
	Project's budget, scope, and term (see Agenda Item 5.2).

Project Name	Phase 1 San Joaquin River Floodplain Restoration and Floodway
	Enhancement at Banta-Carbona Project (Planning)
Amount Awarded	\$750,931
County	San Joaquin
Project ID	Prop 1-1810
Grantee	Banta-Carbona Irrigation District
Overview	Planning for 30 acres of seasonally inundated floodplain restoration
Grant Agreement Status	Active as of 12/10/2020
New Information	The Grantee is conducting outreach to permitting entities and completing
	final design.

Project Name	Nutria Eradication Project, Phase 2 (Implementation)
Agreement Amount	\$8,483,080
County	Multiple
Project ID	Prop 1-1813
Grantee	California Department of Fish and Wildlife
Overview	Surveys for and removal of invasive species to minimize or avoid impacts
	to wetland habitats and water quality
Grant Agreement Status	Active as of 6/8/2020
New Information	The Grantee anticipates submitting a request to change budget line items
	in Summer 2024.

Project Name	Oakley Creekside Park Restoration (Planning)
Amount Awarded	\$436,465
County	Contra Costa
Project ID	Prop 1-1814
Grantee	City of Oakley
Overview	Planning for restoration of floodplain and riparian habitat along Marsh
	Creek
Grant Agreement Status	Active as of 12/11/2020
New Information	The project team is finalizing an easement holder. The Grantee is seeking
	implementation funding.

## Proposition 1 Cycle 3 – Fiscal Year 2017-2018

The Board awarded approximately \$16.0 million for eight projects (four planning and four implementation). To date, six grants have closed.

Project Name	Knightsen Wetland Restoration and Flood Protection Project (Planning)
Agreement Amount	\$1,435,000
County	Contra Costa
Project ID	Prop 1-1709
Grantee	East Contra Costa County Habitat Conservancy
Overview	Advance planning for restoring wetlands and managing and treating storm
	water on public land in Knightsen
Grant Agreement Status	Active as of 3/20/2019
New Information	The Project team is finalizing the 65 Percent Design Plans.

Project Name	Grizzly Slough Floodplain Restoration Project at the Cosumnes River
	Preserve (Implementation)
Agreement Amount	\$8,700,800
County	Sacramento
Project ID	Prop 1-1710
Grantee	California Department of Water Resources
Overview	Restore wetland and riparian habitat to the 321-acre site by breaching the
	levee and reintroducing tidal and seasonal flooding, and by establishing
	native vegetation
Grant Agreement Status	Active as of 4/30/2020
New Information	The Grantee started construction of the Project on May 13, 2024.

## Proposition 1 Cycle 2 – Fiscal Year 2016-2017

The Board awarded approximately \$4.4 million for four projects (one planning and three implementation). To date, all four grants have closed.

# Proposition 1 Cycle 1 – Fiscal Year 2015-2016

The Board awarded approximately \$3.9 million to seven projects (four planning and three implementation). To date, all seven grants have closed.

### **CLOSED PROJECTS**

To date, a total of 20 projects funded by Proposition 1 have fully closed (11 planning, nine implementation). To receive a copy of a final report, please submit a written request specifying the project(s) of interest to prop1grants@deltaconservancy.ca.gov.

Project Name	Yolo Bypass Wildlife Area Habitat and Drainage Improvement Project
	(Implementation)
Agreement Amount	\$2,026,814 (\$3,299 unspent)
County	Yolo
Project ID	Prop 1-Y1-2015-003
Grantee	Ducks Unlimited
Overview	Implement habitat and working landscape enhancements in the Yolo
	Bypass Wildlife Area
Grant Agreement Status	Closed as of 3/31/2022
New Information	Closed; a final report is available for review.

Project Name	Fish Friendly Farming Certification Program for the Sacramento-San
	Joaquin Delta (Planning)
Amount Spent	\$89,448 (\$2 unspent)
County	All Delta Counties
Project ID	Prop 1-Y1-2015-005
Grantee	California Land Stewardship Institute
Overview	Develop a program to work with farmers to improve water quality that is
	specific to the crops and water quality concerns in Delta counties
Grant Agreement Status	Closed as of 10/9/2020
New Information	Closed; a final report is available for review.

Project Name	Sherman Island Restoration Project, Phase III (Planning)
Amount Spent	\$93,599 (\$6,367 unspent)
County	Sacramento
Project ID	Prop 1-Y1-2015-008
Grantee	Ducks Unlimited
Overview	Develop plans and permits to restore up to 1,600 acres of wetlands on
	Sherman Island to provide habitat, reverse subsidence, and sequester
	carbon
Grant Agreement Status	Closed as of 3/1/2019
New Information	Closed; a final report is available for review. Design plans are still current.
	Waiting for Phase II to be completed.

Project Name	Three Creeks Parkway Restoration Project (Implementation)
Amount Spent	\$826,666 (\$9,743 unspent)
County	Contra Costa
Project ID	Prop 1-Y1-2015-009
Grantee	American Rivers
Overview	Convert denuded flood control channel at the confluence of Marsh, Sand,
	and Deer Creeks into a healthy stream corridor
Grant Agreement Status	Closed as of 4/1/2022
New Information	Closed; a final report is available for review.

Project Name	Paradise Cut Conservation and Flood Management Plan (Planning)
Amount Spent	\$99,924 (\$217 unspent)
County	San Joaquin
Project ID	Prop 1-Y1-2015-012
Grantee	San Joaquin Resource Conservation District
Overview	Advance plans for a new flood bypass that will reduce flood risk, improve
	habitat, and maintain agricultural land along the San Joaquin River south of
	Paradise Cut
Grant Agreement Status	Closed as of 6/30/2019
New Information	Closed; a final report is available for review.

Project Name	Wildlife Corridors for Flood Escape on the Yolo Bypass Wildlife Area
	Project (Implementation)
Amount Spent	\$829,183 (\$7,051 unspent)
County	Yolo
Project ID	Prop 1-Y1-2015-016
Grantee	Yolo Resource Conservation District
Overview	Restore up to 5 miles (22 acres) of floodway-compatible wildlife and
	pollinator habitat, providing a transit corridor for wildlife during floods
Grant Agreement Status	Closed as of 3/7/2023
New Information	Closed; a final report is available for review.

Project Name	Lower Marsh and Sand Creek Watershed Restoration Planning Project
	(Planning)
Amount Spent	\$73,493 (\$2,391 unspent)
County	Contra Costa
Project ID	Prop 1-Y1-2015-019
Grantee	American Rivers
Overview	Create a Programmatic California Environmental Quality Act document for
	future restoration activities conducted by Grantee and their partners in
	the Marsh Creek and Sand Creek watersheds
Grant Agreement Status	Closed as of 12/31/2019
New Information	Closed; a final report is available for review. The Programmatic Mitigated
	Negative Declaration, developed as part of this project, is being used
	during the planning of the P1-1814 grant.

Project Name	Dutch Slough Revegetation (Implementation)
Agreement Amount	\$2,900,000 (\$270 unspent)
County	Contra Costa
Project ID	Prop 1-1602
Grantee	Reclamation District 2137
Overview	Establish and maintain 468 acres of native tidal marsh, riparian, and
	grassland vegetation at the Dutch Slough restoration site
Grant Agreement Status	Closed as of 7/15/2022
New Information	Closed; a final report is available for review.

Project Name	Petersen Ranch: Working Waterway Habitat Enhancement Project
	(Implementation)
Agreement Amount	\$444,464 (\$1,398 unspent)
County	Solano
Project ID	Prop 1-1605
Grantee	Solano Resource Conservation District
Overview	Restore 13.5 acres of riparian habitat and improve water quality through
	improved cattle management practices on approximately 525 acres of
	active farmland along Lindsey Slough
Grant Agreement Status	Closed as of 2/11/2022
New Information	Closed; a final report is available for review.

Project Name	Restoration of Priority Wetlands for Endangered Species at the
	Cosumnes River Preserve (Implementation)
Amount Spent	\$942,631 (\$145,798 unspent)
County	Sacramento
Project ID	Prop 1-1608
Grantee	Sacramento County Regional Parks
Overview	Restore 110 acres of freshwater wetlands to benefit listed species
Grant Agreement Status	Closed as of 1/28/2021
New Information	Closed; a final report is available for review.

Project Name	Investigations of Restoration Techniques that Limit Invasion of Tidal
	Wetlands (Planning)
Agreement Amount	\$104,452 (\$21,398 unspent)
County	Contra Costa
Project ID	Prop 1-1612
Grantee	The Regents of the University of California (UC Davis)
Overview	Identify improved methods for tidal wetland revegetation that reduce
	invasion by non-native plants at Dutch Slough
Grant Agreement Status	Closed as of 11/30/2021
New Information	Closed; a final report is available for review.

Project Name	Bay Point Habitat Restoration Project (Implementation)
Agreement Amount	\$2,100,000 (\$13,718 unspent)
County	Contra Costa
Project ID	Prop 1-1701
Grantee	East Bay Regional Park District
Overview	Restore 44 acres of wetland and grassland and 5,595 linear feet of saline
	emergent marsh channel at Bay Point Regional Shoreline Park
Grant Agreement Status	Closed as of 12/31/2021
New Information	Closed; a final report is available for review.

Project Name	Restoration Planning at River Garden Farms: Improving Aquatic Habitat
	Resiliency on Working Lands Along the Sacramento River (Planning)
Agreement Amount	\$647,701 (\$23,249 unspent)
County	Yolo
Project ID	Prop 1-1702
Grantee	American Rivers
Overview	Develop restoration design plans for seven different project sites at River
	Garden Farms to restore ecosystem function in floodplain, wetland, and
	riparian habitats and provide habitat connectivity on a working farm
Grant Agreement Status	Closed as of 4/22/2023
New Information	Closed; a final report is available for review.

Project Name	Three Creeks Parkway Restoration Project #2 (Implementation)
Agreement Amount	\$990,543 (\$46 unspent)
County	Contra Costa
Project ID	Prop 1-1711
Grantee	American Rivers
Overview	Add one acre of habitat to the current Three Creeks Parkway Restoration
	project, thereby enhancing the ecological benefits of that project, while
	satisfying flood conveyance needs to protect the local area
Grant Agreement Status	Closed as of 8/24/2022
New Information	Closed; a final report is available for review.

Project Name	Bees Lakes Habitat Restoration Plan (Planning)
Agreement Amount	\$592,500 (\$886 unspent)
County	Yolo
Project ID	Prop 1-1712
Grantee	City of West Sacramento
Overview	Develop a detailed habitat restoration plan to restore disturbed riparian
	habitat, control non-native species, improve pond water quality, and
	improve the ability of the Bees Lakes area to support listed species
Grant Agreement Status	Closed as of 4/27/2021
New Information	Closed; a final report is available for review. The Grantee was awarded
	Climate, Access, and Restoration funds for implementation at the July
	2022 Conservancy Board meeting.

Project Name	Stone Lakes Restoration Project (Planning)
Agreement Amount	\$635,573 (\$5,139 unspent)
County	Sacramento
Project ID	Prop 1-1713
Grantee	Ducks Unlimited, Inc.
Overview	Planning to restore approximately 257 acres of seasonal wetland and 39
	acres of riparian seasonal wetland, and enhance 20 acres of existing low-
	quality wetland on the Stone Lakes National Wildlife Refuge
Grant Agreement Status	Closed as of 2/29/2024
New Information	Closed; a final report is available for review.

Project Name	Nutria Eradication Project (Implementation)
Agreement Amount	\$1,125,577 (\$6,120 unspent)
County	Multiple
Project ID	Prop 1-1718
Grantee	California Department of Fish and Wildlife
Overview	Eliminate nutria from all known and discovered locations in California to
	prevent nutria from causing significant ecological damage in the Delta
Grant Agreement Status	Closed as of 4/5/2023
New Information	Closed; a final report available for review.

Project Name	Blacklock Restoration: Phragmites Control Study (Planning)
Agreement Amount	\$387,440 (\$0 unspent)
County	Solano
Project ID	Prop 1-1803
Grantee	California Department of Water Resources
Overview	Test methods for controlling invasive species in future restoration at the
	Blacklock restoration site
Grant Agreement Status	Closed as of 11/1/2022
New Information	Closed; a final report is available for review.

Project Name	Paradise Cut Conservation and Flood Management Project, Phase 2
	(Planning)
Amount Awarded	\$265,254 (\$505 unspent)
County	San Joaquin
Project ID	Prop 1-1806
Grantee	San Joaquin Resource Conservation District
Overview	Outreach and planning to advance the Paradise Cut Flood Bypass in San
	Joaquin County
Grant Agreement Status	Closed as of 9/18/2023
New Information	Closed; a final report is available for review. San Joaquin Area Flood
	Control Agency (SJFCA) is now the project lead. In summer 2023, the CA
	Department of Water Resources granted the project \$3 million in funding
	for a feasibility study.

Project Name	Elk Slough Fish Passage and Flood Improvement (Planning)
Amount Awarded	\$984,695 (\$71,604 unspent)
County	Yolo
Project ID	Prop 1-1807
Grantee	Reclamation District 999
Overview	Planning for habitat and flood control enhancements along Elk Slough
Grant Agreement Status	Closed as of 3/12/2024
New Information	Closed; a final report is available for review.

### **RECENTLY COMPLETED PROJECTS**

## Prop 1-1807: Elk Slough Fish Passage and Flood Improvement Project (Planning)

The purpose of this project was to identify a detailed fish passage and flood improvement design for Elk Slough that would meet the Recovery Actions identified in the 2014 NOAA Fisheries Salmon Recovery Plan. Water quality monitoring, hydrodynamic modeling, and community outreach were completed to inform project design plans. The Design Report prepared under this grant includes plans for bioengineered levee improvements that would enhance the existing riparian habitat along the slough to improve habitat conditions for listed species in the area. Design plans include the installation of two gates – one upstream and one at the downstream end of Elk Slough. These gates could be opened and closed to improve water quality in Elk Slough and to protect adjacent agricultural lands from flooding. Knowledge gained during the planning phase indicated a need for additional CEQA compliance beyond what was funded by the Delta Conservancy Proposition 1 grant. The project team is exploring funding opportunities to prepare an Environmental Impact Report, secure required permits, and to fund project construction.



Figure 7.1. Confluence of Elk Slough and Sutter Slough along southern project segment.

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Figure 7.2. Riprap on the left bank of Elk Slough.



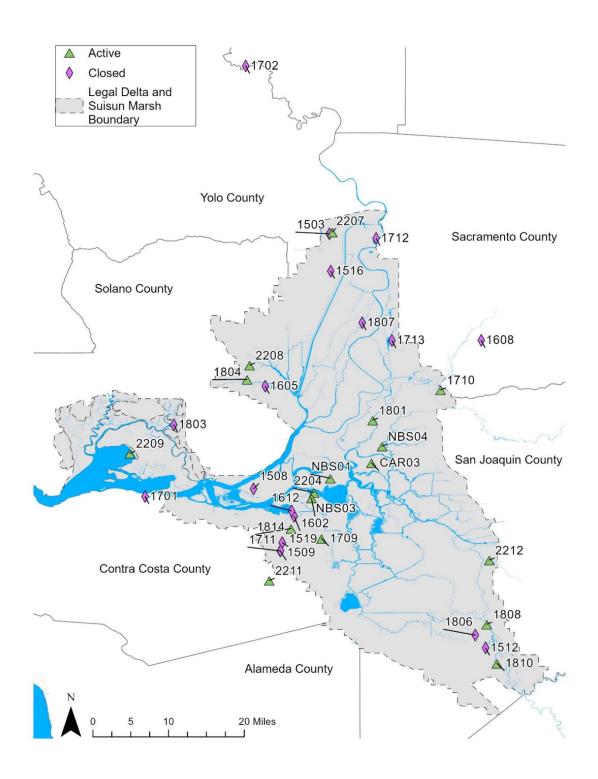
Figure 7.3. A typical vegetated levee along the bank of Elk Slough.

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### CONTACT

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#### FIGURE 7.4. MAP OF ECOSYSTEM RESTORATION AND CLIMATE ADAPTATION PROJECTS



Two active projects (P1-1813 and NBS02) and two closed projects (P1-1505 and P1-1718) are not mapped due to their large spatial coverage.