



**Ecosystem Restoration and Climate Adaption Grant Program Update  
Staff Report**

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**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 (NBS): Wetland Restoration. The Proposition 1 Grant Program is designed to support multi-benefit ecosystem and watershed protection and restoration projects in accordance with statewide priorities. The CAR is a General Fund allocation and is designed to promote multi-benefit projects within the areas of climate resilience, community access, and natural resources protection. The NBS: Wetland Restoration is a General Fund allocation to support 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 7). Amounts listed in millions of dollars.**

Funding Source	Type	Total Allocation	Minimum Amount Available for Grants	Total Amount Already Allocated for Grants	Allocation Date	Encumbrance Date	Program(s) Supported by Funding Source
Proposition 1	Bond	\$50.0	\$41.5	\$41.8	8/13/2014	Variable	ERCA
CAR	General Fund	\$5.25	\$4.98	\$4.25	9/23/2021	6/30/2024	ERCA and CEP
CAR	General Fund	\$6.125	\$5.82	not started	9/6/2022	6/30/2025	ERCA and CEP
NBS: Wetland Restoration	General Fund	\$36.0	\$34.2	not started	9/6/2022	6/30/2025	ERCA

**PROGRAM UPDATE**

As of October 26, 2022, there are 16 active projects, six awarded projects with grant development underway, two working proposals, and 12 closed projects. The total amount of funding for active projects, awarded projects, and working proposals is \$33.4 million.

**ACTIVE PROJECTS****Cycle 4 – Fiscal Year 2018-2019**

The Board awarded approximately \$14.9 million for ten projects (eight planning and two implementation). Nine grant agreements have been executed. One project was withdrawn after receiving an award.

<b>Project Name</b>	<b>Mello/Jensen Heirs Sandhill Crane Preserve Project (Implementation)</b>
<b>Amount Awarded</b>	\$2,263,472.00
<b>County</b>	Sacramento
<b>Project ID</b>	Prop 1-1801
<b>Grantee</b>	Agricultural-Natural Resources Trust
<b>Overview</b>	Acquire a conservation easement on 275 acres of farmland to ensure that it remains as wildlife friendly agriculture
<b>Grant Agreement Status</b>	Active as of 12/29/2020
<b>New Information</b>	Final appraisal has been completed and is being reviewed.

<b>Project Name</b>	<b>Blacklock Restoration: Phragmites Control Study (Planning)</b>
<b>Agreement Amount</b>	\$387,440
<b>County</b>	Solano
<b>Project ID</b>	Prop 1-1803
<b>Grantee</b>	Department of Water Resources
<b>Overview</b>	Test methods for controlling invasive species in future restoration at the Blacklock restoration site
<b>Grant Agreement Status</b>	Active as of 3/17/2020
<b>New Information</b>	Project is on track to close 11/01/2022.

<b>Project Name</b>	<b>Delta Waterways Habitat Restoration Planning (Planning)</b>
<b>Agreement Amount</b>	\$347,481
<b>County</b>	Solano
<b>Project ID</b>	Prop 1-1804
<b>Grantee</b>	Solano Resource Conservation District
<b>Overview</b>	Planning for restoration and enhancement of waterways and edge habitats on working lands in Solano County
<b>Grant Agreement Status</b>	Active as of 12/19/2019
<b>New Information</b>	Bolin Farms approved as an additional site. Minute modification approved to change subcontractors for monitoring task as of 9/15/2022.

<b>Project Name</b>	<b>Paradise Cut Conservation and Flood Management Project, Phase 2 (Planning)</b>
<b>Amount Awarded</b>	\$265,254
<b>County</b>	San Joaquin
<b>Project ID</b>	Prop 1-1806
<b>Grantee</b>	San Joaquin Resource Conservation District
<b>Overview</b>	Outreach and planning to advance the Paradise Cut Flood Bypass in San Joaquin County
<b>Grant Agreement Status</b>	Active as of 9/23/2020
<b>New Information</b>	Project is ongoing.

<b>Project Name</b>	<b>Elk Slough Fish Passage and Flood Improvement (Planning)</b>
<b>Amount Awarded</b>	\$984,695
<b>County</b>	Yolo
<b>Project ID</b>	Prop 1-1807
<b>Grantee</b>	Reclamation District 999
<b>Overview</b>	Planning for habitat and flood control enhancements along Elk Slough
<b>Grant Agreement Status</b>	Active as of 7/10/2020
<b>New Information</b>	Hydrodynamic modelling is underway and project design planning has been initiated.

<b>Project Name</b>	<b>Lower San Joaquin Riparian Corridor (Planning)</b>
<b>Amount Awarded</b>	\$522,027
<b>County</b>	San Joaquin
<b>Project ID</b>	Prop 1-1808
<b>Grantee</b>	American Rivers
<b>Overview</b>	Planning for restoration of floodplain and riparian habitat along the lower San Joaquin River
<b>Grant Agreement Status</b>	Active as of 5/3/2021
<b>New Information</b>	Project is ongoing.

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

<b>Project Name</b>	<b>Nutria Eradication Project, Phase 2 (Implementation)</b>
<b>Agreement Amount</b>	\$8,483,080
<b>County</b>	Multiple
<b>Project ID</b>	Prop 1-1813
<b>Grantee</b>	California Department of Fish and Wildlife
<b>Overview</b>	Surveys for and removal of invasive species to minimize or avoid impacts to wetland habitats and water quality.
<b>Grant Agreement Status</b>	Active as of 6/8/2020
<b>New Information</b>	Project is ongoing.

<b>Project Name</b>	<b>Oakley Creekside Park Restoration (Planning)</b>
<b>Amount Awarded</b>	\$436,465
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-1814
<b>Grantee</b>	City of Oakley
<b>Overview</b>	Planning for restoration of floodplain and riparian habitat along Marsh Creek
<b>Grant Agreement Status</b>	Active as of 12/11/2020
<b>New Information</b>	The Grantee is continuing design planning and community engagement.

**Cycle 3 – Fiscal Year 2017-2018**

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

<b>Project Name</b>	<b>Restoration Planning at River Garden Farms: Improving aquatic habitat resiliency on working lands along the Sacramento River (Planning)</b>
<b>Agreement Amount</b>	\$647,701
<b>County</b>	Yolo
<b>Project ID</b>	Prop 1-1702
<b>Grantee</b>	American Rivers
<b>Overview</b>	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
<b>Grant Agreement Status</b>	Active as of 1/22/2019
<b>New Information</b>	The Grantee has secured implementation from the Wildlife Conservation Board for riparian project site 1. Project is ongoing.

<b>Project Name</b>	<b>Knightsen Wetland Restoration and Flood Protection Project (Planning)</b>
<b>Agreement Amount</b>	\$1,225,000
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-1709
<b>Grantee</b>	East Contra Costa County Habitat Conservancy
<b>Overview</b>	Advance planning for restoring wetlands and managing and treating storm water on public land in Knightsen
<b>Grant Agreement Status</b>	Active as of 3/20/2019
<b>New Information</b>	Geotechnical and hydrologic and hydraulic reports are being finalized; California Environmental Quality Act conversations with California Department of Fish and Wildlife are ongoing.

<b>Project Name</b>	<b>Grizzly Slough Floodplain Restoration Project at the Cosumnes River Preserve (Implementation)</b>
<b>Agreement Amount</b>	\$8,700,800
<b>County</b>	Sacramento
<b>Project ID</b>	Prop 1-1710
<b>Grantee</b>	Department of Water Resources
<b>Overview</b>	Restore wetland and riparian habitat to the 334-acre site by breaching the levee and reintroducing tidal and seasonal flooding, and by establishing native vegetation
<b>Grant Agreement Status</b>	Active as of 4/30/2020
<b>New Information</b>	Project is delayed due to conservation easement issue. Amendment request expected Winter 2023.

<b>Project Name</b>	<b>Three Creeks Parkway Restoration Project #2 (Implementation)</b>
<b>Agreement Amount</b>	\$990,543
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-1711
<b>Grantee</b>	American Rivers
<b>Overview</b>	This agreement has been cleared to expire on 6/30/22.
<b>Grant Agreement Status</b>	Funding ended 06/30/2022.
<b>New Information</b>	Project is complete. Conservancy staff are working to complete closeout.

<b>Project Name</b>	<b>Stone Lakes Restoration Project (Planning)</b>
<b>Agreement Amount</b>	\$635,573
<b>County</b>	Sacramento
<b>Project ID</b>	Prop 1-1713
<b>Grantee</b>	Ducks Unlimited, Inc.
<b>Overview</b>	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
<b>Grant Agreement Status</b>	Active as of 4/2/2019
<b>New Information</b>	California Environmental Quality Act documents approved. Project is ongoing.

<b>Project Name</b>	<b>Nutria Eradication Project (Implementation)</b>
<b>Agreement Amount</b>	\$1,125,577
<b>County</b>	Multiple
<b>Project ID</b>	Prop 1-1718
<b>Grantee</b>	California Department of Fish and Wildlife
<b>Overview</b>	Eliminate nutria from all known and discovered locations in California to prevent nutria from causing significant ecological damage in the Delta
<b>Grant Agreement Status</b>	Funding ended on 4/30/2022
<b>New Information</b>	The project is complete. Conservancy staff are working to complete closeout.

**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.

**Cycle 1 – Fiscal Year 2015-2016**

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

<b>Project Name</b>	<b>Wildlife Corridors for Flood Escape on the Yolo Bypass Wildlife Area Project (Implementation)</b>
<b>Agreement Amount</b>	\$836,234
<b>County</b>	Yolo
<b>Project ID</b>	Prop 1-Y1-2015-016
<b>Grantee</b>	Yolo Resource Conservation District
<b>Overview</b>	Restore up to 5 miles (22 acres) of floodway-compatible wildlife and pollinator habitat, providing a transit corridor for wildlife during floods
<b>Grant Agreement Status</b>	Active as of 1/24/2017
<b>New Information</b>	Project is on track to close 12/31/2022.

**APPROVED PROJECTS (TOTAL AMOUNT AWARDED: \$3,065,616)**

The Board awarded approximately \$3.1 million for six projects (two planning and four implementation) from Proposition 1 Cycle 5 (Fiscal Year 2021-2022) and climate resilience, community access, and natural resources protection (CAR) funds.

<b>Project Name</b>	<b>Little Franks Tract Invasive Weed Removal and Restoration Project (Implementation)</b>
<b>Amount Awarded</b>	\$427,706
<b>County</b>	Contra Costa
<b>Project ID</b>	P1-2204
<b>Grantee</b>	Contra Costa Resource Conservation District
<b>Overview</b>	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.
<b>Grant Agreement Status</b>	In Progress
<b>New Information</b>	Draft grant agreement under review

<b>Project Name</b>	<b>Yolo Bypass Wildlife Area Habitat and Drainage Improvement Project, Phase Two (Implementation)</b>
<b>Amount Awarded</b>	\$887,516
<b>County</b>	Yolo
<b>Project ID</b>	P1-2207
<b>Grantee</b>	Ducks Unlimited
<b>Overview</b>	Constructing hydrological improvements that will restore 220 acres of seasonal wetland, enhance management of 1,803 existing seasonal wetland, and improve water management to 1,180 acres of wildlife friendly agricultural wetland.
<b>Grant Agreement Status</b>	In progress
<b>New Information</b>	Draft grant agreement under review

<b>Project Name</b>	<b>Improving Hydrological Resiliency of Managed Wetlands in the Suisun Marsh (Implementation)</b>
<b>Amount Awarded</b>	\$542,546
<b>County</b>	Solano
<b>Project ID</b>	P1-2209
<b>Grantee</b>	Suisun Resource Conservation District
<b>Overview</b>	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.
<b>Grant Agreement Status</b>	In Progress
<b>New Information</b>	Draft grant agreement under review

<b>Project Name</b>	<b>Marsh Creek Reservoir Restoration and Total Mercury Reduction Project (Planning)</b>
<b>Amount Awarded</b>	\$350,000
<b>County</b>	Contra Costa
<b>Project ID</b>	P1-2211
<b>Grantee</b>	Contra Costa County Flood Control and Water Conservation District
<b>Overview</b>	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.
<b>Grant Agreement Status</b>	In Progress
<b>New Information</b>	Draft grant agreement under review

<b>Project Name</b>	<b>Van Buskirk Multi-Benefit Ecosystem Restoration Planning Project (Planning)</b>
<b>Amount Awarded</b>	\$467,848
<b>County</b>	San Joaquin
<b>Project ID</b>	P1-2212
<b>Grantee</b>	American Rivers
<b>Overview</b>	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.
<b>Grant Agreement Status</b>	In Progress
<b>New Information</b>	Draft grant agreement under review



<b>Project Name</b>	<b>Big Break Regional Shoreline Restoration and Public Access Planning Project (Planning)</b>
<b>Amount Awarded</b>	\$390,000
<b>County</b>	Contra Costa
<b>Project ID</b>	CAR03
<b>Grantee</b>	East Bay Regional Park District
<b>Overview</b>	Create planning documents to support public access and the long-term sustainability of 1,648 acres of open water, wetlands, and upland habitat.
<b>Grant Agreement Status</b>	In Progress
<b>New Information</b>	Draft grant agreement under review

**WORKING PROPOSALS (TOTAL AMOUNT REQUESTED: \$1,680,421)**

Project ID	Project Name	Applicant	Project Type	Amount Requested	County	Proposal Status
<b>P1-2208</b>	Ulatis Creek Habitat Restoration Project	Solano Resource Conservation District	Implementation	\$359,639	Solano County	Before the board (Agenda Item 9)
<b>CAR04</b>	Conversion of Non-Farmable Land to Reduce Greenhouse Gas Emissions	Metropolitan Water District	Implementation	\$1,320,782	San Joaquin	Under review

**CLOSED PROJECTS**

To date, a total of twelve projects funded by Proposition 1 have fully closed (six planning, six 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](mailto:prop1grants@deltaconservancy.ca.gov).

<b>Project Name</b>	<b>Yolo Bypass Wildlife Area Habitat and Drainage Improvement Project (Implementation)</b>
<b>Agreement Amount</b>	\$2,026,814
<b>County</b>	Yolo
<b>Project ID</b>	Prop 1-Y1-2015-003
<b>Grantee</b>	Ducks Unlimited
<b>Overview</b>	Implement habitat and working landscape enhancements in the Yolo Bypass Wildlife Area
<b>Grant Agreement Status</b>	Closed as of 03/31/2022
<b>New Information</b>	Closed; a final report is available for review.

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

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

<b>Project Name</b>	<b>Three Creeks Parkway Restoration Project (Implementation)</b>
<b>Agreement Amount</b>	\$836,409
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-Y1-2015-009
<b>Grantee</b>	American Rivers
<b>Overview</b>	Convert denuded flood control channel at the confluence of Marsh, Sand, and Deer Creeks into a healthy stream corridor
<b>Grant Agreement Status</b>	Funding ended 12/31/2021.
<b>New Information</b>	Closed; a final report is available for review.

<b>Project Name</b>	<b>Paradise Cut Conservation and Flood Management Plan (Planning)</b>
<b>Amount Spent</b>	\$99,924 (\$217 unspent)
<b>County</b>	San Joaquin
<b>Project ID</b>	Prop 1-Y1-2015-012
<b>Grantee</b>	San Joaquin Resource Conservation District
<b>Overview</b>	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
<b>Grant Agreement Status</b>	Closed as of 6/30/2019
<b>New Information</b>	Closed; a final report is available for review.

<b>Project Name</b>	<b>Lower Marsh and Sand Creek Watershed Restoration Planning Project (Planning)</b>
<b>Amount Spent</b>	\$73,493 (\$2,391 unspent)
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-Y1-2015-019
<b>Grantee</b>	American Rivers
<b>Overview</b>	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
<b>Grant Agreement Status</b>	Closed as of 12/31/2019
<b>New Information</b>	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.

<b>Project Name</b>	<b>Dutch Slough Revegetation (Implementation)</b>
<b>Agreement Amount</b>	\$2,900,000 (\$270 unspent)
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-1602
<b>Grantee</b>	Reclamation District 2137
<b>Overview</b>	Establish and maintain 468 acres of native tidal marsh, riparian, and grassland vegetation at the Dutch Slough restoration site
<b>Grant Agreement Status</b>	Closed as of 07/15/2022.
<b>New Information</b>	Closed; a final report is available for review.

<b>Project Name</b>	<b>Petersen Ranch: Working Waterway Habitat Enhancement Project (Implementation)</b>
<b>Agreement Amount</b>	\$444,464 (\$1,398 unspent)
<b>County</b>	Solano
<b>Project ID</b>	Prop 1-1605
<b>Grantee</b>	Solano Resource Conservation District
<b>Overview</b>	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
<b>Grant Agreement Status</b>	Closed as of 2/11/2022
<b>New Information</b>	Closed; a final report is available for review.

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

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

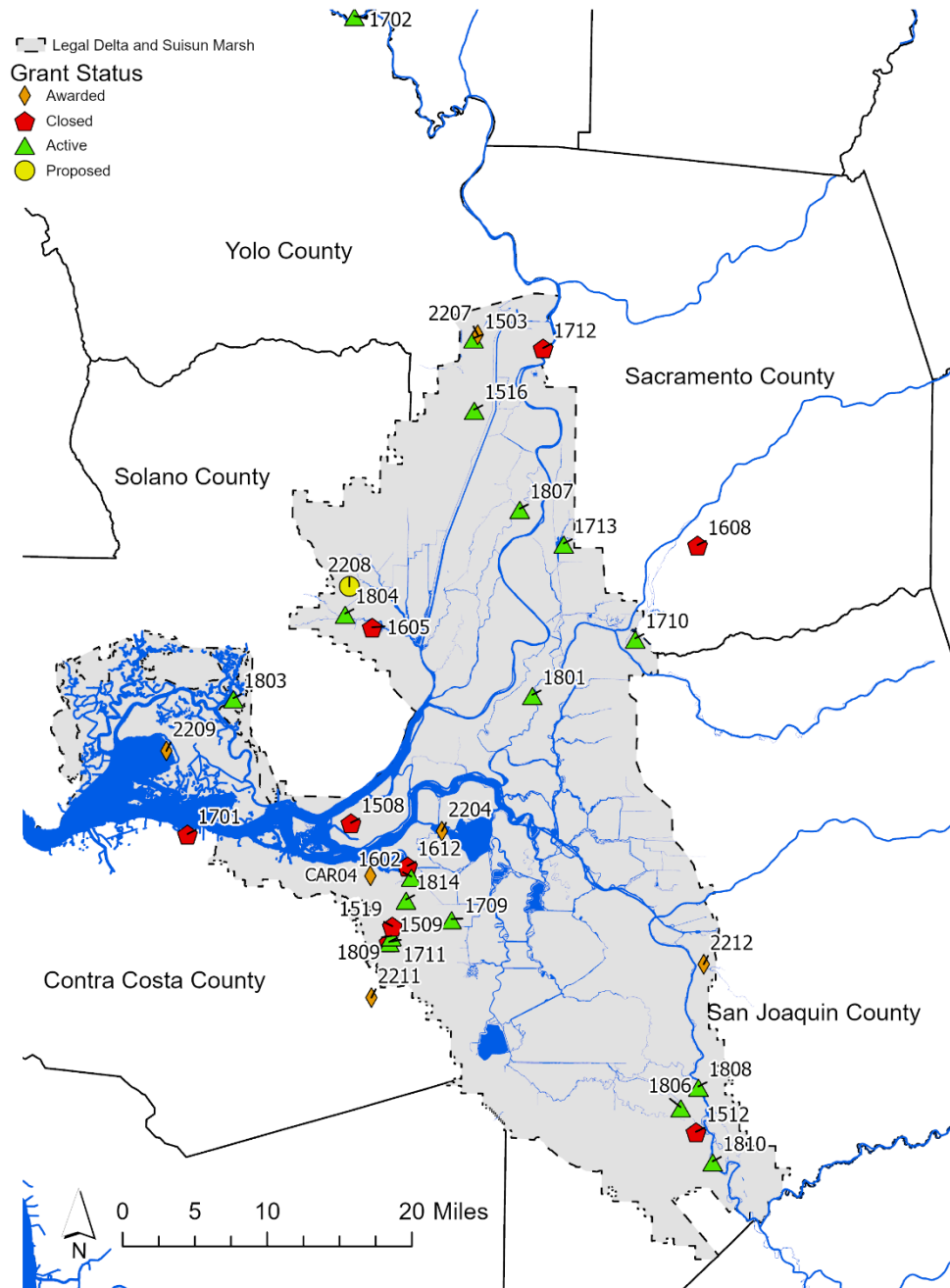
<b>Project Name</b>	<b>Bay Point Habitat Restoration Project (Implementation)</b>
<b>Agreement Amount</b>	\$2,100,000 (\$13,718 unspent)
<b>County</b>	Contra Costa
<b>Project ID</b>	Prop 1-1701
<b>Grantee</b>	East Bay Regional Park District
<b>Overview</b>	Restore 44 acres of wetland and grassland and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

<b>Project Name</b>	<b>Bees Lakes Habitat Restoration Plan (Planning)</b>
<b>Agreement Amount</b>	\$592,500 (\$886.63 unspent)
<b>County</b>	Yolo
<b>Project ID</b>	Prop 1-1712
<b>Grantee</b>	City of West Sacramento
<b>Overview</b>	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
<b>Grant Agreement Status</b>	Closed as of 4/27/2021
<b>New Information</b>	Closed; a final report is available for review. Grantee awarded Climate, Access, and Restoration for funds at July 2022 Conservancy Board meeting.

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FIGURE 6.1. MAP OF ECOSYSTEM RESTORATION AND CLIMATE ADAPTATION PROJECTS



Two active projects (1718, 1813) and one closed project (1505) are not mapped due to their large spatial coverage.