



# California EcoRestore

California EcoRestore (EcoRestore) is a multi-agency initiative launched in 2015 to advance at least 30,000 acres of critical habitat restoration and enhancement in California's Central Valley including the Sacramento-San Joaquin Delta (Delta), Suisun Marsh, and Yolo Bypass region. EcoRestore and its partners pursue complex multi-benefit habitat restoration projects to deliver results. The EcoRestore initiative was built on the assertion that cutting-edge science, strong partnerships, and a healthy impatience could drive more restoration than had ever been pursued in the Delta.

The Department of Water Resources (DWR) is a lead partner on a majority of projects focused on implementing a comprehensive suite of habitat restoration actions to support the long-term health of the Delta and its native fish and wildlife species. After five years of work, DWR and its partners are within reach of doubling the Delta's restored and protected habitat lands. Our [EcoRestore 5-Year Highlights fact sheet](#) shows just how far we've come and gives a glimpse of what's ahead.

Currently, EcoRestore includes 32 projects representing an investment of nearly \$500 million to date. EcoRestore projects are funded by multiple sources, including the State Water Contractors through operation of the State Water Project, and funding allocated to restoration, multi-benefit, and flood needs through bonds, propositions, general fund, and other special funds. The overall estimated cost to complete the current list of 32 EcoRestore projects is \$750-\$950 million with approximately half from the State Water Project and half from other funding sources.

Specifically, the program aims to achieve:

## **Project Map**

Please contact [Charlotte.Biggs@water.ca.gov](mailto:Charlotte.Biggs@water.ca.gov) if you have any issues accessing the map below.

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## **EcoRestore Projects**

### **Delta Tidal Habitat Restoration Projects**

- Decker Island Tidal Habitat Restoration Project
- Lookout Slough Tidal Habitat and Flood Improvement Project
- Prospect Island Tidal Habitat Restoration Project
- Winter Island Tidal Habitat Restoration Project
- Yolo Flyway Farms Tidal Habitat Restoration Project

### **Suisun Marsh Tidal Habitat Restoration Projects**

- Arnold Slough Tidal Habitat Restoration Project
- Bradmoor Island Tidal Habitat Restoration Project
- Chipps Island Tidal Habitat Restoration Project
- [Hill Slough Tidal Habitat Restoration Project](#)
- Tule Red Tidal Habitat Restoration Project
- Wings Landing Tidal Habitat Restoration Project

### **Yolo Bypass Habitat Restoration Projects**

- [Agricultural Road Crossing 4 Fish Passage Project](#)
- [Fremont Weir Adult Fish Passage Modification Project](#)
- [Lisbon Weir Fish Passage Project](#)
- [Lower Putah Creek Restoration Project](#)
- [Wallace Weir Adult Fish Rescue Facility](#)
- [Yolo Bypass Salmonid Habitat Restoration and Fish Passage Project](#)

### ***Delta Ecosystem Enhancement Projects***

- [Dutch Slough Tidal Habitat Restoration Project](#)
- [Twitchell Island Projects](#)
- [Sherman Island Projects](#)

### ***North Delta and Yolo Bypass Multi-Benefit Flood Improvement and Habitat Restoration Projects***

- [Grizzly Slough Floodplain Restoration](#)
  - [Lower Elkhorn Basin Levee Setback Project](#)
  - [Lookout Slough Tidal Habitat Restoration and Flood Improvement Project](#)
  - [McCormack Williamson Tract Tidal Habitat and Floodplain Restoration Project](#)
  - [Southport Levee Setback Project](#)
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## **On-the-Ground Progress**

Driven by the best available science, California EcoRestore efforts have advanced through various stages of planning, permitting, and construction. As California EcoRestore celebrates its first 5 years in action, the initiative is on track to exceed initial targets.

- [5-Year EcoRestore Highlights](#)
- [StoryMap of Completed Projects](#)
- [Groundbreakings](#)

*\*Please contact [Charlotte.Biggs@water.ca.gov](mailto:Charlotte.Biggs@water.ca.gov) if you have any issues accessing the image below.*

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## **Videos**

[Dutch Slough Tidal Habitat Restoration Project](#)

[Lower Yolo Ranch Tidal Habitat Restoration](#)

[Winter Island Tidal Habitat Restoration](#)

[Restoring California's Great Estuary](#)

[Dutch Slough Tidal Habitat Restoration](#)

[Fremont Weir Adult Fish Passage Project](#)

[Decker Island Tidal Habitat Restoration](#)

[McCormack Williamson Tract Floodplain and Tidal Habitat Restoration](#)

[Yolo Flyway Farms Tidal Habitat Restoration](#)

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## **Partners**

To achieve its goal of accelerating Delta habitat restoration, California EcoRestore has encouraged developing new project delivery models, addressing long-standing implementation barriers, and building new partnerships. California EcoRestore embraces partnerships that share a vested interest in the Delta's health and vitality, which includes supporting public safety and the local economy. Key partners include:

- State and federal Water Project Contractors
- State, federal, and local government agencies and special districts
- Local Reclamation Districts
- Non-governmental organizations and non-profits
- Private sector and land owners

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## **Funding**

Costs for California EcoRestore projects are expected to reach \$500 million in the first five years.

Many efforts are funded by the state and federal public water agencies currently required to mitigate for long term operations of the State Water Project and Central Valley Project.

Funding for habitat enhancements unassociated with mitigation will come primarily from Propositions 1, 1E, 68 and 84; the AB 32 Greenhouse Gas Reduction Fund; and local, federal, and private investment.

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## **Adaptive Management**

Ensuring long term function of habitat restoration efforts is a key component of the California EcoRestore initiative.

Adaptive management emphasizes using science and monitoring to support management of natural resources under changing conditions. In the face of uncertainty, there is widespread support for using adaptive management in the Delta region to achieve ecosystem restoration goals and increase restoration success. Adaptive management is required for compliance with multiple regulatory processes, such as consistency with the Delta Plan and the Suisun Marsh Plan.

### **Interagency Adaptive Management Integration Team**

To develop a comprehensive, science-based adaptive management approach to support achievement of Delta conservation goals, the Delta Science Program initiated the Interagency Adaptive Management Integration Team in 2016. This team serves as a technical coordinating body to strengthen interagency collaboration, and provides resources, input, and guidance on adaptive management for current and future Delta conservation efforts. It is comprised of scientific and technical staff from federal, state, and local agencies, other interagency programs and workgroups, universities, and NGOs that plan, facilitate, implement, fund, or regulate habitat restoration projects in the Delta and Suisun Marsh.

Current participants include:

- Delta Conservancy
- Delta Counties (Contra Costa, Solano, Sacramento, and Yolo)
- Delta Stewardship Council
- CA Department of Fish and Wildlife
- CA Department of Water Resources

- NOAA National Marine Fisheries Service
- NOAA Fisheries Science Center
- NGO Representatives
- San Joaquin Council of Governments
- State and Federal Water Contractors Agency
- State Water Resource Control Board
- University of California Davis
- US Bureau of Reclamation
- US Fish and Wildlife Service
- US Geological Survey

For more information, please contact Karen Kayfetz ([Karen.Kayfetz@deltacouncil.ca.gov](mailto:Karen.Kayfetz@deltacouncil.ca.gov)) of the Delta Stewardship Council.

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