



DUTCH SLOUGH TIDAL MARSH RESTORATION PROJECT

Oakley, California

TIDAL/SUBTIDAL, RIPARIAN FOREST AND MANAGED MARSH

The Dutch Slough Tidal Marsh Restoration Project will restore natural Delta habitats to a 1,187-acre site in the western Delta city of Oakley. The site, which was formerly slated for urban development, is being transformed into critically needed habitat for native fish and wildlife species. The project's location in the western Delta offers the opportunity, soil types, and lack of subsidence to create a large area of tidal marsh and complex intertidal channels favored by native Delta species. Native grasslands, and riparian forests will be restored in the upland portions of the site. Tidal habitats are those that were historically prominent in the Delta, and their restoration is considered a critical action to increase the number of native sensitive species and improve the general ecological health of the Delta.

The project site consists of three leveed parcels which are being restored to a mosaic of tidal marsh, riparian woodland, open water, managed marsh, and upland habitats. Construction consists of earthmoving to create the proper elevations for gradually sloping marsh plain, and other project features such as channel berms, and the rehabilitation of existing levees and construction of new flood control levees. Construction of the first two parcels (Emerson and Gilbert) are nearing completion and planning for the wetland component of the third parcel (Burroughs) will begin in 2022. The project is being implemented by the California Department of Water Resources (DWR) Delta Levee System Integrity & Delta Habitat Restoration Program as part of its legislative mandate to provide 'net habitat improvement' in the Delta. In addition to habitat restoration, the project will provide recreation and educational

opportunities to benefit residents of the Delta, and adaptive management components to inform future Delta restoration design and management practices.

RESTORATION GOALS / TARGET

Restoration of Delta habitats, primarily tidal marsh and tidal channels, as well as riparian woodland, subtidal open water, managed marsh, and uplands. The project plans to restore the following:

- ▶ 560 acres of tidal marsh
- ▶ 26 acres of riparian forest
- ▶ 48 acres of managed marsh
- ▶ 100 acres of subtidal open water

LOCATION AND LANDOWNER

The Dutch Slough site is located in the City of Oakley, eastern Contra Costa County, in the western Delta. The site encompasses 1,187 acres, and is bound by Dutch Slough on the north, Marsh Creek on the west, the Contra Costa Water District the south, and Jersey Island Road on the east. The site is comprised of three parcels, partially separated by Emerson Slough and Little Dutch Slough. DWR owns all three parcels.



FUNDING

- ▶ Cost Estimate \$63.35M

- ▶ Property Acquisition:
 Funded by CALFED Ecosystem Restoration Program and State Coastal Conservancy

- ▶ Planning and Design:
 Funded by DWR and State Coastal Conservancy

- ▶ Construction: Estimated at \$32.35M: Funded by DWR, State Coastal Conservancy, Delta Conservancy, California Department of Fish and Wildlife (CDFW), US Environmental Protection Agency, and US Fish and Wildlife Service

- ▶ Ongoing Maintenance and Monitoring:
 Funded by DWR

TIMELINE

- ▶ Property acquisition: beginning 2003

- ▶ Planning, Design and Permitting: 2006 – 2017

- ▶ Construction and revegetation on parcels #1 and #2: 2018 – 2021

- ▶ Breach on parcels #1 and #2: 2021

- ▶ Construction on parcel #3: to be determined

PERMITTING

- ▶ All necessary permits obtained

- ▶ CEQA compliance – Complete

- ▶ The Final Supplemental EIR was certified in September 2014

PROJECT PROPONENT

- ▶ DWR Project Manager
 Katie Bandy
 katherine.bandy@water.ca.gov
 Phone (916) 902-7288

ADDITIONAL INFORMATION

- ▶ <https://bit.ly/3qqUOJc>

