



WALLACE WEIR FISH RESCUE FACILITY PROJECT

Yolo Bypass

FISH PASSAGE

In water year 2014, the California Department of Fish and Wildlife (CDFW) and National Marine Fisheries Service (NMFS) documented several hundred adult salmon in dead-end agricultural ditches in the Colusa Basin Drain system, and while many of these fish were rescued from the drain, the stress from the poor water quality conditions prevented these salmon from successfully contributing to the reproductive population. In the remainder of water year 2014 and in water year 2015, CDFW operated a fyke trap with wing walls at Wallace Weir to prevent straying adult salmonids and sturgeon from entering the Colusa Basin Drain; rescued fish were returned to the Sacramento River. These fish rescue operations have proven resource intensive and are not efficient at higher flows in the Knights Landing Ridge Cut (KLRC). Wallace Weir is a key water control structure in the bypass for flood conveyance and irrigation, but it is an obsolete structure which must be installed and removed annually using inflexible, labor intensive methods.

The proposed project includes replacing the seasonal earthen dam at Wallace Weir with a permanent, operable structure that would provide year-round operational control. The project would also include a fish rescue facility that would return fish back to the Sacramento River. Wallace Weir has been treated as a common element to the larger habitat restoration and fish passage projects included in the 2009 NMFS Biological Opinion. This project will serve primarily as a fish passage improvement action that will prevent upstream migration of straying adult salmonids and sturgeon into the Colusa Basin Drain. Operational control of water levels would also provide greater flexibility for managing water releases for agriculture and wetlands habitat. DWR has contracted with RD 108 to develop the project, including acting as the CEQA lead agency.

RESTORATION GOALS / TARGET

Return special status migratory fish species to the Sacramento River that are unable to pass voluntarily over Wallace Weir.

LOCATION AND LANDOWNER

This project is located on private property at Wallace Weir in Yolo County, where the Knights Landing Ridge Cut meets the Yolo Bypass. The Wallace Weir is owned by Knaggs Ranch, LLC and the David and Alice te Velde trust, the successors of Hershey in the 1937 agreement. CDFW will operate the fish rescue portion of the facility.

FUNDING

DWR and U.S. Bureau of Reclamation water contractor funding.

TIMELINE

- ▶ Planning and Design - beginning 2015
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- ▶ Permitting - completed 2016
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- ▶ Construction - beginning fall 2016



PERMITTING

- All permits have been acquired including:
 - ▶ Clean Water Act Section 404
 - ▶ Endangered Species Act
 - ▶ Central Valley Flood Protection Board Encroachment Permit
 - ▶ Rivers and Harbors Act, Section 408
 - ▶ Clean Water Act Section 401, Water Quality Certification (RWQCB)
 - ▶ California Fish and Game Code, Section 1602 (Streambed Alteration Agreement)
 - ▶ California Endangered Species Act, Section 2081
 - ▶ CEQA/NEPA

PROJECT PROPONENT

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ADDITIONAL INFORMATION

- ▶ Reclamation District 108 Fact Sheet:
<http://www.rd108.org/wallaceweir/>

