

Pacific Southwest Region

California, Nevada and Klamath Basin

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Central Valley Project Improvement Act (CVPIA) Project Implementation Division

The Anadromous Fish Screen Program (AFSP)

The Anadromous Fish Screen Program (AFSP) protects juvenile anadromous fish from entrainment in water diversions in California on the Sacramento and San Joaquin rivers, their tributaries, and the Sacramento-San Joaquin Delta.



The AFSP was established in 1994 to carry out Section 3406(b)(21) of the Central Valley Project Improvement Act (CVPIA). CVPIA (Title 34 of Public Law 102-575) required implementation of measures to protect, restore, and enhance fish and wildlife affected by operations of the federal Central Valley Project. The AFSP was specifically developed to help meet the fish restoration objectives of CVPIA. The AFSP is an incentive-based program that encourages the construction of fish screens at water diversions by providing technical assistance and cost share funding. Fish protected through this program include Chinook salmon, steelhead trout, and green and white sturgeon.

The AFSP oversees a technical team, comprised of experts from federal and State agencies, that provides fish screen design review and technical guidance to water diverters. The AFSP can also provide up to 50 percent cost share funding for a fish screen project.

Sutter Mutual Fish Screen on Sacramento River. (Photo courtesy of Digital Sky Aerial Imaging)



RD 999 Retractable Fish Screen on the Sacramento River. (Photo courtesy of Family Water Alliance)

Projects seeking AFSP funding are evaluated and prioritized based on biological benefits, the size and location of the diversion, project costs, and the availability of cost-share funding partners. The types of projects eligible for cost-share funds under the AFSP include, but are not limited to:

- Construction fish screens on unscreened diversions;
- Rehabilitating existing fish screens;
- Replacing existing non-functioning fish screens;
- Relocating water diversions to less fishery-sensitive areas

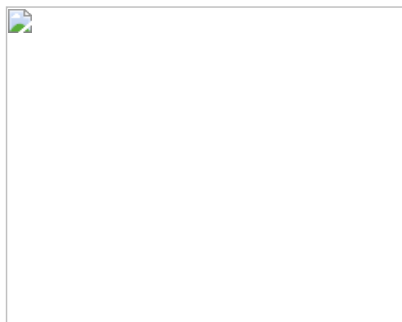
The AFSP also supports activities and actions to: 1) assess the potential benefits of fish screening and determine the highest priority diversions for screening; 2) improve the effectiveness and efficiency of fish screens; 3) encourage the dissemination of information related to fish screening, and 4) reduce the overall costs of fish screens.

Service Announces Finding of No Significant Impact for Clover Creek/Millville Diversion Fisheries Restoration Project

SACRAMENTO -- The U.S. Fish and Wildlife Service has released a Finding of No Significant Impact (FONSI) for the Clover Creek / Millville Diversion Fisheries Restoration Project.

The Proposed Action is located on Clover Creek, tributary to Cow Creek in Shasta County, California. The Proposed Action would improve fish passage conditions at two separate sites that currently block fish passage: a concrete inverted siphon and the Millville Diversion Dam.

The Proposed Action would improve anadromous fish access to spawning, rearing and holding stream habitat upstream of the project site through installation of fish ladders, and would improve fish



passage downstream of the project site through fish screen, bypass pipe installation and an associated exposed siphon upgrade.

The FONSI was prepared in accordance with the National Environmental Policy Act. For additional information or to request a copy of the FONSI, please contact Dan Meier at: 916-414-6725 or Dan_Meier@fws.gov.

Click on the image above to download the final environmental assessment and FONSI. [Get the appendices here.](#)

AFSP Website Links:

- National Marine Fisheries Service Southwest Region Fish Screening Criteria
<http://swr.nmfs.noaa.gov/hcd/fishscrn.pdf>
- California Department of Fish and Game Fish Screening Criteria
http://www.dfg.ca.gov/fish/Resources/Projects/Engin/Engin_ScreenCriteria.asp
- California Fish Passage Assessment Database Project (includes inventory of screened and unscreened diversions)
<http://dnn.calfish.org/ProgramsandProjects/FishPassageAssessment/tabid/97/Default.aspx>
- Bureau of Reclamation Fish Protection at Water Diversions Manual
http://www.usbr.gov/pmts/hydraulics_lab/pubs/manuals/fishprotection/
- Family Water Alliance Sacramento Valley Fish Screen Program
<http://www.fwafishforum.com/overview.htm#top>

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