



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Sacramento Fish and Wildlife Office
2800 Cottage Way W-2605
Sacramento, California 95825

DEC 19 2007

In reply refer to:

Memorandum

To: Regional Director, California and Nevada Region
Sacramento, California

From: *Michael B. Joow*
Acting Field Supervisor, Sacramento Fish and Wildlife Office
Sacramento, California

Subject: Fish and Wildlife Coordination Act Report for Coleman National Fish Hatchery
Water Intakes Rehabilitation Project Shasta and Tehema Counties, California

2008 APR - 1 AM 10:30
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This memorandum constitutes the U.S. Fish and Wildlife Service's (Service) Fish and Wildlife Coordination Act (FWCA) report, as provided for in section 2(b) of the FWCA (Public Law 85-624; 16 U.S.C. 661-667e), regarding the proposed Coleman National Fish Hatchery (Coleman) Water Intakes Rehabilitation Project in Shasta and Tehema counties, California. This proposed project of the Service, U.S. Bureau of Reclamation (Reclamation), and Bureau of Land Management (BLM), proposes to modify water intakes and conveyance systems at Coleman.

Coleman was opened in 1943 as mitigation to help preserve runs of Chinook salmon (*Oncorhynchus tshawytscha*) and steelhead trout (*O. mykiss*) that were impacted by the loss of habitat resulting from the construction of Shasta and Keswick Dams on the Sacramento River. The hatchery annually releases 12 to 14 million fish, covering three runs of salmon and one run of steelhead trout, to the Sacramento River system.

Operation of the hatchery requires a consistent supply of high quality water throughout the year. The water delivery system consists of two major diversions and conveyances: the Intake 1 and 2 system constructed in 1942 and the Intake 3 system constructed in 1963. The Intake 1 and 2 system conveys water through a 46-inch-diameter concrete pipeline by gravity to the hatchery canal. The Intake 3 system conveys water through a 48-inch-diameter steel pipeline by gravity to two sand settling basins.

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The proposed project intends to modify the intakes and conveyance system at Coleman, and would accomplish the following main objectives:

- Meet Federal and State regulatory requirements for screens to reduce take of listed and nonlisted anadromous salmonids;
- Provide a reliable, high quality water supply to meet hatchery operational needs, within the confines of the hatchery's existing water rights (122 cfs); and,
- Provide sufficient, rapid access to intake structures to ensure proper operation and maintenance.

Meeting these objectives in a timely fashion would allow the Service to meet the broader goal of integrating Coleman operations with the Battle Creek Salmon and Steelhead Restoration Project.

The proposed project is needed to meet current requirements for fish screening, as required by National Marine Fisheries Service and the California Department of Fish and Game, and to provide the operational redundancy required in case of emergency shutdown of the Pacific Gas and Electric Company's Coleman Powerhouse or one or more of the intake structures.

As one of three Federal co-lead agencies for implementing the proposed action, we have assessed environmental effects of the proposed action through the National Environmental Policy Act process to meet our need for adequate surveys and investigations as outlined in the FWCA. Given the following considerations, we find no need to provide additional recommendations:

- measures incorporated into the proposed action and subsequent habitat restoration and enhancement activities described in the Environmental Assessment to prevent loss or damage to, and provide development and improvement of, fish and wildlife resources are adequate;
- Section 7 consultation under the Endangered Species Act of 1973, as amended, for implementing the proposed action and subsequent habitat restoration and enhancement concludes with concurrence from the Service and National Marine Fisheries Service that listed species and designated critical habitat are not likely to be adversely affected.

If you have any questions regarding this report or other aspects of the FWCA, please contact Mark Littlefield of my staff at (916) 414-6600.

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