



Interagency Ecological Program 2024 Work Plan Element USGS Sacramento Field Office Thermograph and Sediment Stations

Project Manager and Affiliation

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Annual Cost (thousands) and Funding Sources

\$55 DWR \$6 USGS (matching funds)

Description

The purpose of this portion of the project is to provide continuous information on the temperature and sediment regimes at two locations in the Sacramento and San Joaquin Rivers in order to provide data helpful for evaluation of impacts on native species fisheries, amphibians and other aspects of the aquatic ecosystem.

Project Need

This portion of the I.E.P. work plan is related to evaluation of the effects of temperature and sediment on fisheries, amphibians and other aspects of the aquatic ecosystem and better understand the transition from cold water to warm water regimes and how flow and changes in sediment interact to control the transition.

Project Objectives

Water-quality work at these sites, 11389500 and 11303500 consists of continuous monitoring of water temperature. Measurements are recorded at fifteen-minute intervals during the entire water year. Sediment sampling conducted at site 11303500. Samples are normally collected once each day by the observer along with recording the water temperature and gage height. Additional sampling is conducted by USGS crews on a regular basis as part of the sampling protocols.

The stations are currently installed, and regular maintenance includes approximately monthly visits to the sites for sensor calibration and cleaning, along with other routine maintenance of the water-quality sondes and infrastructure.

Schedule of Milestones

Data are collected and made available continuously.

Project Reports and Publications

None provided.