

IEP Data Management Plan

Project Element Number:

2024-104

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Start Date:

10/1/2023

Study Title

USGS Sacramento Field Office Thermograph and Sediment Stations

Principal Investigator

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Data Description

Water-quality work at these sites consists of continuous monitoring of water temperature at sites 11303500, San Joaquin River at Vernalis, CA and 11389500, Sacramento River below Wilkins Slough near Grimes, CA, and sediment sampling at site 11303500, San Joaquin River at Vernalis, CA. Temperature measurements are recorded at fifteen-minute intervals during the entire water year. The purpose is to provide continuous information on the temperature regime in the river to help evaluate effects on fisheries, amphibian, and other aspects of the aquatic ecosystem. Daily observer suspended sediment sampling is conducted to assist in determining the load carried by the San Joaquin River, additional sampling for sediment is conducted by USGS crews on a regular basis.

Related Data

USGS NWIS Data Base for additional upstream sites to confirm calculated values.

Metadata

Data are described on the [USGS Water Data for the Nation web page](#).

URL: <https://waterdata.usgs.gov/nwis>

Storage and Backup

USGS claims to save data posted to NWIS. Data is archived according to the disposition schedule of the Federal Government: U.S. Geological Survey Water Resources Discipline Scientific Records Disposition Schedule, found at this link:

<https://www2.usgs.gov/usgs-manual/schedule/432-1-s2/index.html> Federal Facilities are used to archive all records, physical and electronic.

Archiving and Preservation

See storage and backup

Format

Format described on the [USGS Water Data for the Nation](#).

URL: <https://waterdata.usgs.gov/nwis>

Quality Assurance

The following USGS standard procedures and protocol manuals are used during the collection of data:

- Guidelines and Standard Procedures for Continuous QW Monitors TM 1-D3
- Field Methods for Measurement of Fluvial Sediment TWRI_3-C2
- Water Temperature-Influential Factors, Field Measurement, and Data Presentation TM 1-D1

These standards may be downloaded from the [USGS Publications Warehouse](#).

URL: <https://pubs.er.usgs.gov/>

Additional QA/QC' information is found in: Quality-Assurance Plan for Water-Quality Activities of the California Water Science Center, Updated May 15, 2014 by Lisa D. Olsen, Water-Quality Specialist. Last approved April 18, 2014 by Eric G. Reichard, Director.

Access and Sharing

Data access is by the following:

- (1) [NWIS Web access](#) URL: <https://waterdata.usgs.gov/nwis/qw>
- (2) No listed Embargo period: Data is initially published as Provisional until it is QA/QC'd when the data is listed as Approved.
- (3) Data is disseminated on [NWIS](#). URL: <https://waterdata.usgs.gov/nwis/>
- (4) Access is open,
- (5) Publication: Water temperature is published hourly and approved every 150 days. Sediment data is approved on a yearly basis.

Rights and Requirements

Data are free for use by anyone. See the [USGS Fundamental Science Practices \(FSP\) Home page](#) for more information. URL: https://www2.usgs.gov/fsp/faqs_datarelease.asp