

IEP Data Management Plan

Project Element Number:

2024-330

Year:

2024

Date Updated:

2023-08-01

Start Date:

2024-04-04

Study Title

Estuary Monitoring Platform: Standardized fish sampling across habitat types

Principal Investigator

Joseph E Merz, Ph.D., Cramer Fish Sciences, Jmerz@fishsciences.net, 209-614-4073

Point of Contact

Manisay (Joy) Khamphanh, DWR, Manisay.Khamphanh@water.ca.gov, 530-400-0993

Data Description

Between April and October 2024, we will sub-sample habitat units selected to represent available main-channel and off-channel features within each of the designated reaches. When video-sampling organisms, boat latitude and longitude, water depth beneath net frame, boat velocity and water quality (e.g., temperature, dissolved oxygen, turbidity, pH, conductivity, chlorophyll a) will be instantaneously recorded and stored electronically. Latitude, longitude, depth and velocity will be recorded with time-stamp from a Lowrance fish finder and transducer. Water quality at each sampling location will be recorded instantaneously using a YSI sonde unit to an electronic file with time stamp.

Related Data

Data from previous sampling years (2020-23)

Metadata

not applicable to this program element

Storage and Backup

Short term storage will be in the form of raw data sheets, micro SD cards, local memory devices, and hard drives. Long term storage will consist of local storage backed up via Dropbox. Video will be stored on hard drive and Dropbox, water quality, habitat, and all other transect data will be stored in Access Database and Dropbox. Dropbox will be used as a backup to retain secondary copies of ALL data collected

Archiving and Preservation

Data will be stored at Cramer Fish Sciences and copies delivered to DWR in Sacramento.

Format

Access relational database (.accdb), Excel spreadsheets (.csv, .xlsx), video (.mp4)

Quality Assurance

We will use a combination of e-DNA and visual validation of species ID for QA/QC of image recognition

Our field crew will perform an initial QA/QC of daily recorded information.

We also follow a standardized data entry QA/QC

Access and Sharing

The DWR project manager would provide regular updates to the IEP Science Management Team and the study team would communicate results to the broader scientific community with two IEP Workshop Presentations. This work would culminate in an IEP Newsletter article and Peer Reviewed Manuscript.

Data Sharing- Data collected from this study would be made available to the IEP after completion of QA/QC.

Rights and Requirements

not applicable to this program element