

IEP Data Management Plan

Project Element Number:

346

Year:

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Date Updated:

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Start Date:

1/1/2024

Study Title

Using Delta Smelt Enclosures to Support Species Recovery

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Point of Contact

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Data Description

This study will collect fish and environmental data during each 4–12-week deployment period. The following data will be collected:

Fish metrics

- Fork length of all fish (pre and post deployment)
- Wet weight of all fish (pre and post deployment)
- A subset of fish will be dissected and processed for diet composition and percent fullness.
- Additional analyses may occur, pending funding, including work on stable isotopes, growth, health, pathogens, etc.

Habitat metrics

- The following water quality data will be collected at 15-minute intervals throughout the deployment period:
 - Electrical conductivity
 - Water temperature
 - pH
 - Chlorophyll-a
 - Turbidity
 - Dissolved oxygen

- In addition, discrete sampling will occur weekly to gather the following data:
 - Electrical conductivity
 - Water temperature
 - pH
 - Chlorophyll-a
 - Turbidity
 - Dissolved oxygen
 - Secchi depth
 - Surface water samples to assess chlorophyll-a
 - Water velocity
 - Zooplankton

Related Data

Lower trophic samples collected from the Suisun Marsh Salinity Control Gate action monitoring

Metadata

These studies will have their own dedicated metadata documents, which will be available on request and will accompany all data releases.

Storage and Backup

The data will be backed up on the DWR server.

Archiving and Preservation

The data will be stored on the DWR SharePoint and backed up on the personal computer of the point of contact.

Format

All data will be generated and maintained in an Excel spreadsheet (.xlsx).

Quality Assurance

All collected data will undergo a multi-level quality assurance process. All field and lab datasheets will be visually verified by the crew collecting that data at the end of the day. Data entered into the spreadsheet will be verified, line by line, with datasheets. All data in the spreadsheet will be queried for outliers, each outlier will be investigated, edited as necessary, and documented in a separate QA/QC spreadsheet.

Access and Sharing

Data collected during the experiment will be shared with collaborators, when requested, to facilitate their independent analyses. For all published manuscripts, associated data will be made available on an online data repository (such as the Environmental Data Initiative) or will be made available in the manuscript itself.

Rights and Requirements

DWR does not have specific rights and requirements for data use.