

IEP Data Management Plan

Basic Information

Year: 2020; PEN: 335; Date Updated: 2019-06-04; Start Date: 2019-08-01

Study Title

Suisun Marsh Salinity Control Gate Study

Principal Investigator

Individual(s) responsible for the project. Include name, agency, e-mail, & phone.

Ted Sommer, DWR. Ted.Sommer@water.ca.gov; 916-376-9772

Additional Contacts: See attached sheet for contact information for individual monitoring surveys.

Point of Contact

Individuals who data users should contact for access to the data or questions about the data. Include name, agency, e-mail, & phone number or write "same as above."

Ted Sommer, DWR. Ted.Sommer@water.ca.gov; 916-376-9772

Data Description

A very brief description of the information to be gathered; the nature and scale of the data that will be generated or collected. Include approximate size (in MB) of the resulting data set.

The data used for this analysis will be primarily from existing IEP monitoring stations and surveys, with emphasis on late summer and early fall. Specific surveys include the following: TNS, FMWT, EMP, EDSM, UC Davis Suisun Marsh survey. Specific details for each data set can be obtained from the individual survey leads. Data will generally not be integrated across datasets, but will be analyzed separately. The temporal range of data included for each data set is 2000-2020, with a focus on the months of July - October.

Related Data

Optional. Existing datasets that you incorporate into analysis and reporting for this program element, existing data that are relevant to your study, or data that are collected simultaneously.

- Continuous water quality data collected at various CDEC stations: NSL, HUN, BDL, GZL, MSL, BLL, SSI, EMM and ANC.

- Like 2018, it is possible data will also be collected along transects including the study area by USGS (water quality; Brian Bergamaschi PI) and ICF (water quality and zooplankton; Lenny Grimaldo, PI).
- DAYFLOW will also be used as a source of information for Net Delta Outflow and Exports. This information is available through IEP's data vault.
- Caged hatchery Delta Smelt will also be used on a pilot basis to assess the effectiveness of the action.

Metadata

A description of the metadata to be provided along with the generated data, including the metadata standards used. Provide the file name and information on how users can access the metadata (e.g., a link).

SOP documents are available by contacting any of the PIs for individual surveys used as part of our study.

Metadata for the analyses will be provided in the description of analyses provided within the report. This description will include the portions of each dataset used for analysis, and the analysis approach.

Storage and Backup

A description of the short-term storage methods and backup procedures for the data, including the physical and electronic resources to be used for the short-term storage of the data.

Details about data storage and backup are available by contacting the study leads for each of the individual surveys used for our study. The portions of each dataset used for analysis and the R-code for the analyses will be stored on agency networked drives of the lead persons for each analysis (contact PIs for more information).

Archiving and Preservation

The procedures for long-term archiving and preservation of the data, including succession plans for the data should the expected archiving entity go out of existence.

Survey (e.g. EMP, TNS, FMWT, EDSM) data will all be accessible through IEP's data vaults. The specific datasets used for these analyses will be available from the PIs.

Access and Sharing

A description of how data will be shared. Include (1) access procedures, (2) embargo periods, (3) technical mechanisms for dissemination (e.g., website addresses, listserv information), (3) whether access will be open or granted only to specific user groups, and (4) a timeframe for data sharing and publishing.

1. Access Procedures. All data are available upon request from any of the PIs or through IEP's data vaults.

2. Embargo Periods: None
3. Technical Mechanisms for Dissemination: Shared with technical team members for study coordination purposes. Otherwise, available upon request and posted on IEP's website.
4. Terms of access: data will be accessible to the Technical Team members, and posted for individual surveys on IEP's website.
5. Timeframe for sharing and publishing: Publications for this project are anticipated by December 2020. Data from individual surveys should be posted to IEP's website within 6 months or so of collection.
6. Bay-Delta Live: As for 2018, key metrics for this study are available through Bay-Delta Live, which has a focused page for the SMSCG project. It links to key water quality output, and the relevant fish data.

Format

Formats in which the data will be generated, maintained, and made available. Include BOTH general data type (e.g., spreadsheet, relational database) and file format (extension).

See metadata for individual surveys for details. Data files for individual analyses will be stored as flat files (e.g., .csv), and will be analyzed using Program R and PRIMER.

Quality Assurance

Brief description of procedures for ensuring data quality. Provide links to Quality Assurance Project Plan and/or QA/QC Standard Operating Procedures.

All data will be checked prior to entering, verified with field or lab staff if necessary. QA/QC SOPs will follow standard procedures developed for each of the individual surveys.

Rights and Requirements

A link to or instructions to locate the agency's rights and requirements for data use.

All rights and requirements are detailed in the DWR and USBR contracts with individual entities (DFW-TNS, FMWT, USFWS-EDSM, UCD-Suisun Marsh) for this work. For details on these contracts, contact James Newcomb (DWR), at James.Newcomb@water.ca.gov.