

IEP Data Management Plan

Basic Information

Year: 2020; PEN: 336; Date Updated: 2019-06-10; Start Date: 2019-01-25

Study Title

Synthesis of IEP Zooplankton Sample Methodologies and Variation in Zooplankton Communities across Habitats

Principal Investigator

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

Karen Kayfetz, Delta Science Program, Delta Stewardship Council;
karen.kayfetz@deltacouncil.ca.gov, 916-445-5694

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."

Karen Kayfetz, Delta Science Program, Delta Stewardship Council;
karen.kayfetz@deltacouncil.ca.gov, 916-445-5694

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.

No new data will be collected for this project, we will be using existing datasets from other EMP programs and IEP special studies.

Metadata describing the sampling methodologies of different existing zooplankton datasets is being aggregated and stored as a table (about 20 rows worth of data, so file size of <1MB).

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.

Sources of data for this include the Environmental Monitoring Program's Zooplankton Study, the Fall Midwater Trawl Survey, the Summer Towntnet Survey, the 20 mm Survey, the Yolo Bypass Survey, the USGS Tidal Wetland study, the Fish Restoration Program studies, and the Effects of Aquatic Macrophyte Control on Delta Smelt Habitat study (see Table 1), as well as other special studies sampling zooplankton in the San

Francisco Estuary, as appropriate and as data are available (e.g., Delta Outflow Project, the USGS North Delta Study).

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).

No new data being generated.

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.

Most of the datasets being used are already publicly available and backed up on IEP FTP servers. Dataset integration will be coded with R and the code, along with thorough documentation (i.e., a metadata document to accompany the integrated dataset), will be made available via the IEP [Open Synthesis GitHub site](#)

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.

See storage and backup.

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. see Storage and Backup
2. N/A
3. when code and data are available they will be shared with relevant IEP groups (such as the SMT and Project Work Teams). Code for integrated dataset will be openly available to anyone via the GitHub site.
4. a primary deliverable of this project is the publication of the integrated dataset, projected for early 2020.

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).

The datasets being integrated are primarily in Excel workbooks (.xlsx) and Access relational databases (.accdb). Dataset integration will be coded with R (.r) and made available in that format.

Quality Assurance

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

N/A - we rely on the QA/QC for the underlying programs contributing data.

Rights and Requirements

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

N/A