

IEP Data Management Plan

Basic Information

Year: 2020; PEN: 327; Date Updated: 2019-05-10; Start Date: 2018-06-05

Study Title

Status, Trends and Distribution of Cypriniform Fishes Native to the Sacramento-San Joaquin Delta, California

Principal Investigator

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

Brian Mahardja, USFWS, Email: brian_mahardja@fws.gov, Phone: (209) 242-5648

Felipe La Luz, CDFW, Email: felipe.laluz@wildlife.ca.gov, Phone: (209) 234-3674

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."

Same as above.

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.

This study will rely upon existing data sets and will not generate any new raw data. Data on five cypriniform species (Hitch, Sacramento Pikeminnow, Sacramento Blackfish, Sacramento Sucker, Splittail) will be obtained from existing IEP studies including long-term monitoring efforts such as the US FWS Delta Juvenile Fish Monitoring Program, CDFW Fall Midwater Trawl, San Francisco Bay Study and Summer Townet Surveys, and others. Additional data and background information will also be obtained from grey literature and public records. An effort will be made to obtain data from non-IEP monitoring programs and other relevant data sources including other government agencies, non-profits and universities.

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.

Existing data sets that will be utilized include: US FWS DJFMP Beach Seine Survey, UCD Suisun Marsh Survey and historic CDFW Napa and Suisun Marsh Study, UCD

and historic CDFW Electro-Fishing Surveys, CDFW long-term trawl surveys, CVP and SWP Salvage data. Additional data sets may be added if available and relevant.

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).

This study will not generate any new data and will rely on existing metadata associated with each data set. Metadata standards and format will depend on the entity that originally generated the data. Metadata will be compiled for use by the PI and collaborators, and, if warranted, will be included as an appendix included with deliverables.

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.

The compiled dataset and R codes will be stored on the PIs networked drive at USFWS, and/or USGS, which have automatic back-up routines. Additional R codes will also be held by collaborators under their respective agencies.

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.

The compiled dataset and R codes will be preserved on USFWS, USBR, and DWR networked drives. In the case that the project's principal investigator, Brian Mahardja, is no longer in his current position, the one of the collaborators shall determine where the files will be stored.

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.

Because this study will utilize data collected by other projects, the availability of data to the public will be up to each project's principal investigator(s). We expect IEP datasets (e.g. USFWS DJFMP dataset, DFW survey datasets, etc.) to continue to be publicly available either online or by request. Methods for data transformation and analysis will be detailed in the final manuscript. R codes used to compile data and conduct analysis will be available upon request from the project members.

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).

Data format will vary depending on the data source and type. In most cases, data will either be stored in a relational database or a flat comma-separated value (csv) file for ease of access. Depending on the analysis, fish abundance data may be converted into presence-absence only data. Qualitative data and historical accounts will likely be entered into the analysis as presence-only data.

Quality Assurance

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

This study will rely on quality assurance protocols used by the organization responsible for maintaining each existing data set. Each data set will be evaluated on a case by case basis prior to analysis.

Rights and Requirements

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

Data use rights and requirements for federal government datasets can be found here:

<https://www.usa.gov/government-works>

The scientific data collected or created by Department staff (including volunteers), specifically through state-funded efforts, are the property of the Department at all stages of the data collection effort, and not the property of the scientists and volunteers who collect them. Additionally, all scientific data collected or created under contract with the Department (including grantees and their subcontractors), including their use for publication, must become the property and right of the Department and not of the contractor.