

IEP Data Management Plan

Project Element Number:

296

Year:

2024

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Start Date:

1/1/2024

Study Title

Investigation of the Distribution and Abundance of Longfin Smelt in the SFE

Principal Investigator

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Point of Contact

Same as above

Data Description

Data on total catch of Longfin Smelt (count, standard length), along with water quality data (temperature, salinity, dissolved oxygen, turbidity) and sampling data (tow time, depth, location, gps coordinates).

Related Data

Survey data will be entered into and combined with the existing UC Davis OGFL 'large net database' that serves as the home to the UC Davis North Bay Otter Trawl Survey (NBOTS) and the UC Davis South Bay Otter Trawl Survey (SBOTS).

Metadata

A .csv file containing all metadata associated with field collections ("ogfl_meta.csv") will include names and descriptors of all data columns, along with units and methods of collections. The metadata file will be stored online with the 'large net database' and is available upon request to the PI.

Storage and Backup

Data are entered into a relational database on personal computers, with instantaneous automatic backups to online servers as primary backup and instantaneous syncing across multiple hard disk drives as secondary backup.

Archiving and Preservation

Data will be archived on the OGFL's online server. Should this system need changing, data will be migrated to the [OGFL's Open Science Framework](https://osf.io/) (https://osf.io/) account for long-term preservation.

Format

Data are stored in a relational database, with individual spreadsheets shared in .csv format.

Quality Assurance

QAQC is conducted using 2-person error checking of all data, with data validation limitations, instrument calibration records, and QAQC scripts in R that identify outliers and other potential errors.

Access and Sharing

(1) Access to data will be provided by contacting the PI, (2) embargo is 2 years from the date of collection, (3) data can be shared via email or direct links to online repository, (3) access to data can be granted to any agency partner or collaborator, and (4) data can be shared following quality assurance and control procedures, typically by August of the collection year. Publication is expected within the 2-year embargo period.

Rights and Requirements

Data can be used by agency partners to support management needs, or by any user that establishes a collaboration with the PI.