

# IEP Data Management Plan

## Project Element Number:

335

## Year:

2024

## Date Updated:

2023-04-04

## Start Date:

2018-08-01

## Study Title

Suisun Marsh Salinity Control Gate Action

## Principal Investigator

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## Point of Contact

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## Data Description

The data used for this analysis will be primarily from existing IEP monitoring stations and surveys, with emphasis on late summer and early fall. Data will include water quality from continuous sondes and discrete samples, phytoplankton community composition, zooplankton community composition and abundance, fish abundance, and hydrodynamic modeling. 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. The temporal range of data included for each data set is 2000-2023, with a focus on the months of July - October.

## Related Data

- Continuous water quality data collected at various CDEC stations, particularly those with station names NSL, HUN, BDL, GZL, MSL, BLL, SSI, EMM and ANC.

-Additional data will also be collected along transects including the study area by the Directed Outflow Project (Andrew Schultz, USBR, PI)

-DAYFLOW will also be used as a source of information for Net Delta Outflow and Exports, which is available on the CNRA platform.

## **Metadata**

Full metadata for the entire integrated data set will be formatted in Ecological Metadata Language and published on EDI. Interim metadata is available as a word document based on the template developed by the IEP DUWG upon request. SOP documents are available by contacting any of the PIs for individual surveys used as part of our study.

## **Storage and Backup**

Storage of individual survey data sets is described by the component surveys. Once data is compiled and integrated from these component surveys, the combined data set will be stored on DWR's server and a Share Point site (backed up automatically).

## **Archiving and Preservation**

The data set will be archived on the [Suisun Marsh Salinity Control Gates Environmental Data Initiative website](#) annually.

URL location: <https://portal.edirepository.org/nis/mapbrowse?packageid=edi.876.3>

## **Format**

Data will be stored as .RData files and spreadsheets (.csv). Data will be shared as spreadsheets (.csv).

## **Quality Assurance**

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.

## **Access and Sharing**

Data will be shared via annual updates to the Environmental Data Initiative data package. Preliminary data will be shared by the primary investigator upon request. Data will be made available to any requester as soon as all quality control procedures have been completed.

## **Rights and Requirements**

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