IEP Data Management Plan

Project Element Number:

357

Year:

2024

Date Updated:

04/19/2023

Start Date:

01/01/2024

Study Title

Submersed aquatic vegetation in the Delta: composition, probability distribution and response to climatic factors

Principal Investigator

Shruti Khanna, California Department of Fish and Wildlife
Email: shruti.khanna@wildlife.ca.gov; Phone: (209) 689-8719

Point of Contact

Same as above.

Data Description

No new data will be collected for this study but five separate datasets will be integrated to create a synthesis dataset of SAV presence-absence along with information about depth, salinity, speed, turbidity and temperature. The data will be spatially explicit and may be approximately 400-500 MB in size.

Related Data

Two existing datasets that will be used for this study have been published online and are as follows:

Khanna, S., S. L. Ustin, E. L. Hestir, M. J. Santos, M. Andrew, M. Lay, J. Tuil, J. Bellvert, J. Greenberg, K. D. Shapiro, and S. Rajapakse, (2022). The Sacramento-San Joaquin Delta genus and community level classification maps derived from airborne spectroscopy data. Knowledge Network for Biocomplexity. doi:10.5063/F1N014ZX

Khanna, S., S. L. Ustin, M. Lay, M. Andrew, M. J. Santos, E. L. Hestir, K. D. Shapiro, J. Bellvert, and J. A. Greenberg. (2022). Submersed Aquatic Vegetation community multi-year data from the Sacramento - San Joaquin Delta in California ver 1. Environmental Data Initiative. https://doi.org/10.6073/pasta/6ba28bdfbf01fac6d417cd277e5d2a84

Other datasets are not available from online publications and will be obtained directly from the data collectors.

Metadata

Metadata will be written up when the data are published online. They do not exist as of now.

Storage and Backup

All data will be stored on UCD CSTARS servers. UCD servers are backed up every 15 minutes. Final products will be uploaded to an open data repository by December 2024 and will be stored on their servers.

Archiving and Preservation

The datasets, once published online, will be available as long as the data repository is in existence. Extensive documentation and metadata will allow the public to easily download and use data.

Format

The data will be published as a .csv but also as a shapefile (.shp; .dbf; .shx, etc.) with associated attribute tables and metadata.

Quality Assurance

As this data is a derived dataset and will be integrated using R code, there will be no new errors introduced in the dataset. The quality of the dataset will depend on the quality of the five datasets that it is derived from. The QA/QC procedures of the parent datasets can be found at the original location of those datasets.

Access and Sharing

Access to the integrated dataset will be through the open data repository on which it is published.

There is no embargo period but products will likely only be available at the end of the study period.

Website URLs will be available after datasets are published. Data will be made publicly available to anybody who wants it.

Dataset will be uploaded to the repository by December 2024.

Rights and Requirements

The rights and requirements for data use will follow the guidelines of the CC-BY 2.0 license: https://creativecommons.org/licenses/by/2.0/. This license allows a user to share, copy, adapt, and/or redistribute the data, provided that the user gives an appropriate citation. We request that users cite the DOI as a link to facilitate data use tracking when a DOI is available.