VI. IEP Data Management Plan

YEAR:	PEN:	DATE UPDATED:	START DATE:
2019	020	2018-08-13	2019-01-01

STUDY TITLE:

Delta Flows

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

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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.

Water Level, velocity, and discharge data. Each year of data for each parameter at each station is approximately 2.2MB as a CSV data file.

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.

We also collect QA/QC data sets that are not released to the public (battery voltage, signal strength, etc) to help us quality assure our results during the processing and review of our data streams.

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).

Data are available through NWIS Web: https://waterdata.usgs.gov/nwis

There are links to Site Information as well as to the data.

STORAGE & 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.

NWIS is the USGS National database. In addition to the nationally managed backup, we also have local archives for the raw files. Our archive is backed up daily.

ARCHIVING & 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.

NWIS is the USGS National database -- there is an entire USGS team dedicated to ensuring that data are properly archived and documented for current and future use.

ACCESS & 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.

Data are available in real time through both NWIS Web and through CDEC. Finalized data are also made available through NWIS Web.

https://waterdata.usgs.gov/nwis

Our goal is to meet an annual approval, though we've been dealing with vacancies on our project. We hope that once we are fully staffed that we will be able to consistently meet this goal.

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 are stored in NWIS-TS and available via NWIS Web. The downloaded files are "csv" files.

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 project and the USGS has extensive QA/QC and SOPs for data collection, data processing, and data dissemination. The Hydroacoustics Working Group maintains a web page with links to relevant documents:

https://hydroacoustics.usgs.gov/

RIGHTS & REQUIREMENTS: A link to or instructions to locate the agency's rights and requirements for data use

There are no restrictions on the use of data received from the US Geological Survey unless expressly identified prior to or at the time of receipt. Questions regarding the use or redistribution of USGS data should be directed to "ask@usgs.gov" or 1-888-ASK-USGS (1-888-275-8747)