**Observational Data Management Plan**

**Project Name:** Bayou Chico Contaminated Sediment Removal – Planning Design, & Permitting

**Agency:** State of Florida Department of Environmental Protection

Escambia County, FL (implementing organization)

**Project Phase:**  \_\_X\_\_ Planning \_\_\_\_\_ Implementation \_\_\_\_\_ Post-Implementation

**Plan Point of Contact(s):**

**Project Sponsor:**

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**Data Steward(s):**

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**Estimated Budget for Data Management:** Escambia County is managing the project data at no charge.

**Expected Data Collection Start Date for Overall Project:** Data collection will begin shortly after the grant award. A specific date will be provided once the grant is issued.

**Expected Data Collection End Date for Overall Project:** Data collection will end after the final design is complete, approximately 18 months following issuance of the grant. A specific date will be provided once the grant is issued.

**Brief Project Description:** Project includes engineering, design, and permitting of sediment remediation plan for Bayou Chico. Plan will require surveying to determine horizontal and vertical extend of existing sediment, and chemical analysis to determine quality. Removal and disposal of contaminated sediment will occur under a future implementation phase(s).

**Project Location:** Project is located in Bayou Chico. Bayou Chico is located in south central Escambia County within the lower Pensacola Bay watershed.

**General Description of Data Collection Activities (Methods, Sampling Frequency, etc.):**

The project is anticipated to generate the following types of information/data: contracts and financial information, plans and specifications, regulatory, and reports. Data collected will support evaluation of project specific metrics. Each type of information will have different collection methods and frequencies.

* Contracts and financial information will be generated for A&E services for design, consultant services for bathymetric survey, consultant services for sediment analysis, and consultant services for permitting. Data will also include consultant selection information and contractor bid documentation. Contracts will be issued as needed prior to the start of services necessary for the implementation of the project. Data will be collected, organized, and archived as it is generated. Data will be made available to the Council and general public annually or otherwise by request.
* Plans and specifications will be generated as part of the project design phase. Data type includes all supporting information, including bathymetric surveys, geotechnical work, sediment sampling plan(s), etc. Plans and specifications will go through multiple iterations at set intervals as final plans are developed. Data will be collected, organized, and archived as it is generated. Data will be made available to the Council and general public annually or otherwise by request.
* Regulatory related information/data will be generated during the later stages of design. Permitting is currently anticipated to last from 4/1/18 until 3/31/19. Data will include all supporting documentation including permit applications, regulatory consultations, requests for additional information, lands lease/easement, and permits or letters of exemption. Data will be collected, organized, and archived as it is generated. Data will be made available to the Council and general public annually or otherwise by request.
* Reports will be generated annually and otherwise as needed. Reports will evaluate and summarize other data types. Reports will be submitted to the Council annually. Data will be available to the public annually or otherwise by request.

**Do you have in-house data management and metadata capacity?** \_\_X\_\_ Yes \_\_\_\_\_ No

Is so, describe how this project’s data and metadata will be stored, archived, and made available/provided to the Council; and if it will utilize digital object identifiers (DOI’s)? If not, how will you ensure that the project’s data and metadata will be stored, archived, and made available/provided to the Council?

**Describe how this will be accomplished:** DOI’s will not be used. Escambia County will work with the State of Florida for data generated as a result of the project to be stored, archived, and made available to the Council. Project data will also be available through the FDEP and Escambia County websites. Geospatial data will be stored in sql database format file geodatabase ESRI GIS platform available through traditional ARC Info/ArcGIS format. Metadata will meet federal geographic data guidelines. Data will be archived by date and made available in a variety of standard GIS map services. Spatial integrity will be maintained consistent with standard GIS practices.

List the Observational Data Types being collected and, if known at this time, the following information for each:

**Date Type:** Bathymetric survey

**GIS Representation:** Contours will be represented either as a polylines and polygons or as a digital elevation model (DEM).

**Projection:** TBD and updated in a revised DMP within 6 months of contracting sub-recipient.

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**Frequency of Collection**: TBD and updated in a revised DMP within 6 months of contracting sub-recipient.

**Duration of Collection:** TBD and updated in a revised DMP within 6 months of contracting sub-recipient.

**Data Storage Format:** TBD and updated in a revised DMP within 6 months of contracting sub-recipient.

**Units:** TBD and updated in a revised DMP within 6 months of contracting sub-recipient.

**Horizontal and Vertical Datum:**  TBD and updated in a revised DMP within 6 months of contracting sub-recipient.

**Data Type:** Geospatial data (project boundary, sediment analysis sample locations, key design features)

**GIS Representation:** Project boundary and some key project features will be captures as polygons. Other key project features such as sediment analysis sample locations will be associated with point features.

**Projection:** High Precision Geodetic Network (HPGN) / State Plane Coordinates / Florida North FIPS 0903 / U.S. Survey Foot

**Data Storage Format:** field geodatabases, shapefiles Escambia County Water Quality Laboratory Information Management System (LIMS), STORET database

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**Frequency and Duration of Collection:** Sediment analysis sample locations will be captured with the implementation of the sediment sampling plan. Project boundary and key project features will be captured with the final design.

**Units:** North and East using U.S. survey foot, latitude and longitude

**Horizontal Datum:** High Precision Geodetic Network (HPGN) / State Plane Coordinates / Florida North FIPS 0903

**Vertical Datum:** NGVD88

**Data Type:** Non-geospatial data (contracts and financial information, plans and specifications, regulatory, and reports)

**Data Storage Format:** pdf

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**Frequency and Duration of Collection:** Contracts and financial information will be generated as contacts are executed and as payment is made for services necessary for the implementation of the project. Plans and specification will be developed for the design in regular intervals. Plans will be finalized prior to the end of the project. Regulatory data will be generated throughout the permitting process. Permits will be received prior to the end of the project. Reports will be submitted to the Council annually.