

# 2024 Database Management, GIS Database Management and Mapping

## Statement of Work

### **BACKGROUND**

The Feather River Program was established in 1996 to provide fishery data required by the Federal Energy Regulatory Commission (FERC) relicensing for the Oroville Facilities and to inform Endangered Species Act Biological Assessments required for operation of the State Water Project. Since its inception the Feather River Program has provided a substantial body of valuable information, including peer-reviewed published manuscripts and numerous DWR technical reports related to CV steelhead, spring and fall run Chinook salmon, and green sturgeon.

The California DWR Feather River Program (FRP) conducts fisheries research, monitoring, and restoration in the Lower Feather (LFR) North Fork Feather River (NF) and Yuba Rivers (YR) in compliance with federal and state ESA regulatory requirements. PSMFC supports FRP with staff and the fisheries management data required for CDFW, USFWS, and NOAA Fisheries.

### **OBJECTIVE**

- To provide technical expertise in regards to data management, GIS Database Management and Mapping.
- Completed maps for Feather River Program and any DISE requested maps
- Access Databases, new databases as needed and all databases up to date QA/QC'd

### **SCOPE OF WORK**

- Database Management:
  - Develop, maintain, update and troubleshoot Microsoft Access Databases
    - Vemco Database (Acoustic Telemetry)
    - Temperature Database
    - Flow Database
    - CWT/Hallprint Database
    - Fish Monitoring Station Database
    - Master Database for summarized data
    - Chinook Redd Database
    - Steelhead Redd Database
  - Data entry, querying, analyses, summaries and sharing. Including summarizing data and creating figures for reports
- GIS Data Management and Mapping
  - Maintain Feather River Map book
  - Create maps when needed for all Feather River Projects
  - Create statewide maps upon request for Voluntary Agreement submissions
  - Organize and manage internal GIS data

- Provide GIS data when requested

### **Bid Proposal Evaluation**

Preference will be given to proposals demonstrating the following qualifications/knowledge:

1. 10+ years Database management with strong database skills and new database generation, able to train staff to properly utilize databases
2. 10+ years GIS mapping experience, ability to generate maps in a timely manner
3. Demonstrated knowledge with fisheries management actions.
4. Demonstrated experience in conducting both qualitative and quantitative analyses to support fisheries management actions and/or ESA Section 7 consultations.
5. Demonstrated very strong writing, editing, and computer skills.

### **WORK PRODUCT**

1. Completed maps for Feather River Program projects
2. Access Databases, new as needed and current kept up to date
3. Data requests for staff completed in a timely manner
4. Ability to cross train department staff to utilize databases

**WORK SCHEDULE** – Target date for work completion? Ongoing

The target date for completion of this work is 06/30/2025, with extensions to the contract possible up to five years.

### **PAYMENT SCHEDULE**

The schedule for payments is negotiable however the bid should include a proposed payment schedule and payment rates based on acceptance of the work products described above by PSMFC/PIRO IFD.

Bids under this procurement must be received not later than COB on November 22, 2024.

Bids may be submitted electronically, attached to an email message and sent to [marredondo@psmfc.org](mailto:marredondo@psmfc.org). The subject line of the email should read “Data Management and GIS Mapping RFP”