

QUARTERLY ACCOMPLISHMENT/PROGRESS REPORT

APPLICABLE TO CALIFORNIA FISH PASSAGE FORUM (CFPF) FUNDED PROJECTS, ADMINISTERED BY USFWS

I. **Project/Program Title: Salt River Ecosystem Restoration Project – Monitoring Phase 1 Estuary**

II. **USFWS Grant Number: # F14AC01186**

III. **Quarterly dates covered by this report (check appropriate quarter): 2015**

Jan–March _____ April–June _____ July–September _____ October–December X_____

IV. **Date report submitted: 25 January 2016**

V. **Briefly summarize (2-3 sentences) overall progress/accomplishments during the applicable quarter:**

Eelgrass, cross-sectional, and longitudinal field surveys were completed last quarter. The final monitoring reports associated with those surveys were completed in this October to December quarter. Water Quality Equipment was also collected during this time period. Data analysis and report will be completed in January 2016.

VI. **Task-specific/deliverable updates** (for each task in the cooperative agreement, provide a brief update on progress; provide brief update on significant work toward, or completion of any deliverables from the cooperative agreement):

Water Quality Monitoring – Temperature loggers were deployed at the end of May in three tributaries in the Salt River watershed (5 monitoring sites). Supplementary water quality parameters were recorded during the deployment, such as Dissolved Oxygen, pH, Total Dissolved Solids, Conductivity, and Salinity. Additional water quality loggers (Dissolved Oxygen, water level, and salinity) were deployed at five stations across the restored estuary and at one site upstream on the Salt River in July. In October, all water quality loggers were collected across the Salt River watershed. Data analysis and results will be completed in January, 2016. The results of this monitoring will assess salmonid habitat conditions and determine the success of various restoration efforts.

Cross-Sectional and Longitudinal Surveys – Surveyors completed nine cross-sections surveys across the restored estuary. Three cross-sections sites are located on the main Salt River channel. Three other cross-sections sites are located on the northern slough channel network. And the final three cross-section sites are located on the southern slough channel network. A draft of the monitoring report was finalized in November.

The results of the surveys determine the response of the restoration construction to the dynamic tidal environment and whether any corrective action is warranted.

Salmonid Surveys – Salmonid sampling surveys were completed in July. June and July fish survey reports were completed and outreach to project partners for early spring surveys occurred in November.

Sacramento Pike Minnow – The invasive, non-native, pike minnow are captured during fish sampling in the spring and summer. No work was performed during this quarterly period.

Eelgrass Surveys – In July, eelgrass surveys were completed in the reference reach established in the survey protocol. In October, the monitoring report was finalized and sent to project partners at NOAA and California Department of Fish and Wildlife. Recolonization of eelgrass in the project construction footprint is a component in reaching the project goal to enhance estuarine habitat.

VII. Any significant developments beyond those reported for specific tasks/deliverables:

Eelgrass results indicate that the restoration site is recruiting a significant eelgrass population.

VIII. Any delays/issues that are impacting or may impact progress of the project:

None.

IX. Summary of invoices/charges to the agreement (include amount and date of any invoices submitted for payment under the agreement, that occurred during the quarter. Optionally, include a summary of charges incurred during the quarter that will be invoiced during the next quarter):

Month	Description	\$ Amount
October	HCRC D Staff Time – PMEP progress report; water quality equipment retrieval; finalize eelgrass report; write fish survey reports; administration	213.03
November	HCRC D Staff Time – PMEP progress report; finalize cross-section and longitudinal monitoring report; send final eelgrass report to agencies; administration	415.79
December	HCRC D Staff Time – Arrange for spring fish sampling monitoring; PMEP progress report; water quality data download; administration	279.24

X.

Anticipated work in next quarter:

Analyze water quality data and complete report. Consolidate various monitoring reports, including fish sampling and water quality, into a single monitoring report for the Salt River Ecosystem Restoration Project.

XI. Additional information (include pictures, documents, presentations, or similar outputs that were developed during the quarter related to the project and a summary of any outreach activities or significant meetings):



Salt River cross-section



Northern Slough cross-section

Submit quarterly reports to Donnie Ratcliff, U.S. Fish and Wildlife Service (Donald_Ratcliff@fws.gov) and Lisa DeBruyckere, Coordinator, California Fish Passage Forum (lisad@createstrat.com)