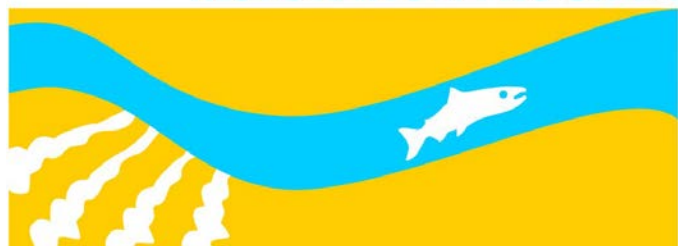


Study 20

Adult Passage

**Final
2014 Monitoring and Analysis Plan**

SAN JOAQUIN RIVER
RESTORATION PROGRAM



San Joaquin River Restoration Program

2013 Monitoring and Analysis Plan

Adult Passage Study

1. Statement of Need: Task 3 of the San Joaquin River Restoration Program (SJRRP) Fish Passage Evaluation Plan is being proposed to complete recommendations that were developed during Task 2 as well as others that have been identified by the Program in the Framework for Implementation Plan. The goal is to develop conceptual alternatives to improve conditions on the river to allow for unimpeded fish passage for the entire Restoration area. The objective of Task 3 is to draft recommended fish passage improvements by developing alternative solutions at structures that have been identified as potential fish barriers. This work will be completed during 2013 and 2014. The focus fish for the evaluation will be adult Chinook salmon.

The work for Task 3 will include structures that were identified in Task 2 that are not part of site-specific projects. Site-specific priority projects are already being studied under the Mendota Pool Bypass and Reach 2B Channel Improvements Project, the Reach 4B, Eastside Bypass, and Mariposa Bypass Channel and Structural Improvements Project, and the Arroyo Canal Fish Screen and Sack Dam Fish Passage Project, or other ongoing projects. Structures identified for alternatives within these projects are already being evaluated for fish passage improvements, so they will not be included in Task 3.

2. Background: An addendum to Task 2 is currently being completed. Structures that were identified as barriers and partial barriers in Task 1, Task 2 and the Task 2 addendum are to be presented to the SJRRP. The final list of structures for inclusion in Task 3 will be based on the future Program priorities.

3. Methods: Task 3 will include conceptual designs presented as alternatives, up to 10 percent design, and cost estimates to improve or modify the structures for unimpeded fish passage of adult Chinook salmon. The preliminary designs and cost estimates are subject to review by the Program agencies that include but are not limited to the United States Bureau of Reclamation, United State Fish and Wildlife, California Fish and Wildlife, and NOAA Fisheries. The estimated quantities and costs and the preliminary engineering drawings are not intended for bidding or construction purposes, as final designs may result in changes to any or all quantities and costs. The conceptual designs are for Program discussion only and to assist with determining structural modification priorities and a preferred alternative for final designs.

Criteria for design of passage facilities for adult Chinook salmon will be based on the SJRRP fish passage design criteria tables that were developed for site specific projects. These tables will be updated as additional information becomes available.

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4. Deliverables: A final report is planned for public release in late 2014 that will include a summary of data collection efforts, hydraulic model results of existing conditions, conceptual alternative designs, and cost estimates.

5. Point of Contact/ Agency: Amanda Peisch-Derby, California Department of Water Resources