

Technical Tasks for Contractor and LSJRC

Task 1. Finalize Draft Agricultural Supply (AGR) EC Objectives

Central Valley Water Board staff wrote a report titled "Salt Tolerance of Crops in the Lower San Joaquin River Basin (2010)". The Contractor will address the technical comments and provide responses and recommendations. The Contractor will also assess the potential for changes in model outcomes when using the policy recommendations developed by the CV-SALTS Executive Committee as model inputs.

Task 2a. Compile and Update Water Quality and Salt Loading Data

Contractor will update existing data compilations with data from 1995 to the present.

Task 2b. Update Analysis of Baseline Salt Loading to the LSJR

The Contractor will identify and/or develop the necessary tools for generating the required salt loading analysis, quantify salt loading from those sources and from the various subwatersheds, and describe the timing of salt loading to the river.

Task 3a. Identify Potential Ranges of Water Quality Objectives

Using the results developed under Tasks 1 and 8; the Contractor will evaluate the range of water quality objectives identified for protection of the proposed beneficial uses.

Task 3b. Conduct Evaluation and Analysis of Existing Water Quality and Compliance with Water Quality Objectives being Considered in the LSJR

The Contractor will evaluate compliance with the proposed water quality objectives for salinity for key reaches within the LSJR.

Task 4. Conduct Implementation Planning

The Contractor will evaluate the following resources to describe or understand the actions being taken on salinity control within the Lower San Joaquin River Basin for compliance with the proposed range of water quality objectives.

Task 5. Economic Analysis

To support the implementation plan and the draft BPA, there will be a review of selected programs and strategies for effectiveness and cost benefit analysis. Planning level cost estimates, appropriate for use in screening alternatives, will be used.

Task 6. Long-term Monitoring Program

The Contractor, in conjunction with the LSJRC, will develop the goals of a long-term monitoring and compliance reporting program. The Contractor will prepare a draft long-term monitoring and reporting program to determine compliance with water quality objectives and the effectiveness of the implementation program.

Task 7. Substitute Environmental Documentation

The Contractor will utilize the scoping efforts previously completed by the Central Valley Water Board staff and will prepare the environmental analysis of the proposed water quality objectives and implementation plan.

Task 8a. Finalize Beneficial Uses Review

The LSJRC developed an evaluation of existing and potential beneficial uses in Reach 83 of the San Joaquin River (Merced River inflow to Vernalis) and proposed draft Basin Plan language to reflect the potential refinement of existing uses.

Task 8b. Finalize Water Quality Criteria Review

Contractor will review and summarize the findings from the Drinking Water: Salinity Effects on MUN-Related Uses of Water, July 2012, the Stock Drinking Watering: Salt and Nutrients: Literature Review for Stock Drinking Water, May 2013, and the Aquatic Life: Task 1 Memorandum, 2013.