Regional Emphasis

Work Flow for Lower San Joaquin River Basin Plan Amendment for Salt and Boron
(March 26, 2015)

Beneficial Uses

1. Finalize Beneficial Uses Review (Task 8a)
   • Review beneficial uses in Basin Plan for Reach 83
   • Determine if any changes are necessary

2. Finalize Water Quality Criteria Review (Task 8b)
   • Identify potential salt-related water quality objectives to protect the beneficial uses for Reach 83

Water Quality Objectives

3. Finalize Draft Agricultural Supply AGR EC Objectives (Task 1)
   • Review Crop Tolerance Report
   • Summarize CIBRC Priority recommendations
   • Identify next steps

4. Hoffman Model Runs (Regional Board)
   • Run Hoffman model to generate range of potential AGR objectives

5. Water Quality and Baseline Salt Loading Characterization
   • Compile and Update Water Quality and Salt Loading Data (Task 2a)
     • Update WAHMP database with data from 1950-present

6. Identify Objectives for Further Analysis (Task 2b)
   • Identify range of salt-related water quality objectives that will undergo further analysis
   • Potential EC objective range (0.010 - 1.550 p.mhos/cm)

7. Analysis of Baseline Salt Loading to LSIR (Task 2b)
   • Identify the salt loading, sources and sinks

8. Evaluation of Existing Water Quality and Compliance with Water Quality Objectives Being Considered (Task 3)
   • Determine water quality since 1995 (monthly, seasonal, water-year)
   • Identify trends in Reach 83 and/or between segments within Reach 83
   • Determine potential ratios of compliance

Water Quality Modeling

9. Identify Range of Implementation Actions (Task 4.1)

10. Identify Screening Criteria and Methodology (Task 4.2)

11. Apply Screening Criteria and Prioritize Implementation Actions (Task 4.3)

12. Development of Three (3) Management Alternatives/Bundles (Workshop)

13. Compare Results Against the Potential WQOs (Task 4.4)

14. New Maxcine Operation Model (Dan Steiner)
   • Evaluate the effect of the management alternatives on water quality at Nacimiento

Implementation Planning (Task 4)

15. Propose Alternatives for Implementation (Task 4.5)

16. Develop a Program of Implementation (Task 4.6)

17. Finalize the WQOs

18. Economic Analysis (Task 5)

19. Establish Monitoring Plan (Task 6)

20. Substitute Environmental Documentation (Task 7)