Regional Emphasis

Work Flow for Lower San Joaquin River Basin Plan Amendment for Salt and Boron (April 23, 2015)

Beneficial Uses

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

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

Water Quality Objectives

3. Finalize Draft Agricultural Supply AGR EC Objectives (Task I)
   - Review Crop Management Report
   - Summarize USDA, Policy recommendations
   - Identify next steps

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

+ 5. Identify Objectives for Further Analysis (Task 3a)
   - Identify range of salinity-related water quality objectives that will undergo further analysis
   - Potential EC objective range (1,810 - 1,550 μmhos/cm)

Water Quality Modeling

6. Compile and Update Water Quality and Salt Loading Data (Task 2a)
   - Update WAMAR database with data from 1980-present

7. Analysis of Baseline Salt Loading to LSIR (Task 3b)
   - Identify the salt loading, sources and sinks

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

Water Quality and Baseline Salt Loading Characterization

Implementation Planning (Task 4)

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)

Regional Emphasis

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

- Planned
- Planned Plus Treatment Focus
- Planned Plus Maximum Management Focus

14. New Neumiezo Operation Model (Dan Steinor)
   - Evaluate the effect of the management alternatives on water quality at Vestals

- 15. Propose Alternatives for Implementation (Task 4.5)

- 16. Develop a Program of Implementation (Task 4.6)

- 17. Finalize the WQOs


- 31. Substitute Environmental Documentation (Task 7)