

Basic Assumptions:

1. Proposed Water Quality Objectives would fully protect all Beneficial Uses; and
2. Water Quality refers to salinity as measured by electrical conductivity (EC)

Would our proposed Water Quality Objectives meet the current Vernalis Objectives?

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Would either 1) or 2) be met without releases from New Melones for salinity control?

Would the previous VAMP flow releases and VAMP fall attraction flows meet our proposed Water Quality Objectives?

If the San Joaquin River met our proposed Water Quality Objectives upstream of the Merced River inflow, would this meet our proposed Water Quality Objectives in the various reaches downstream of the Merced River inflow?

If the quality of the imported water supplies to the San Joaquin River Basin was the same as the quality of the flows diverted at Friant, would this meet our proposed Water Quality Objectives in the various reaches of the San Joaquin River downstream of the Merced River inflow?

If the quality of the imported water supplies to the San Joaquin River Basin was not the same as the quality of the flows diverted at Friant, what water quality would be needed to meet our proposed Water Quality Objectives in the various reaches of the San Joaquin River downstream of the Merced River inflow?

If all the tile drainage discharges to the San Joaquin River were cut off, would this meet our proposed Water Quality Objectives in the various reaches downstream of the Merced River inflow?

Are we capable of determining what water quality would look like in the various reaches downstream of the Merced River inflow during various months and water-year types?

When is assimilative capacity available in the San Joaquin River to move salts from the basin? Is this best done seasonally or during the entire year?

If there were no discharges to the San Joaquin River or its tributaries, what would water quality look like in the various reaches downstream of the Merced River inflow?

Would a change in supply quality to the wetlands change the discharge quality and thus the salt load to the river from the Grassland wetlands?

Can we show what existing water quality is at present; monthly, seasonally or by water-year types?

Can we look at or predict what water quality has been over the last 50+ years, monthly, seasonally or by water-year types and what the progress in degradation has been?

Can we show whether the Rainbow Report is still a viable option for controlling water quality in the Lower San Joaquin River?