

**Periodic Review of the
1995 Water Quality Control Plan for the
San Francisco Bay/Sacramento-San Joaquin
Delta Estuary**

**Deltakeeper Chapter of Baykeeper
California Sportfishing Protection Alliance
San Joaquin Audubon
Committee to Save the Mokelumne**

**We thank the Exchange Contractors
and the San Joaquin River Group
for graphically defining the issues
in this workshop.**

According to the Exchange Contractors

- DMC water contains salt (Frequently above standards).
- Irrigation causes further accretion of salt.
- Salts must be removed to prevent salinization of soil.
- The only available drain is the San Joaquin River.

Consequently, in order to protect agriculture:

- The domestic/municipal beneficial uses should be de-designated.
- The San Joaquin River should be recognized and operated as an agricultural sewer.
- The Schwarzenegger Wasteway?

Eastside interests have a slightly different twist

- Recent modeling information (which hasn't been peer-reviewed, calibrated or verified) indicates that the problem isn't as severe as previously believed.
- Therefore: Water quality flows from New Melones can be reduced (this would also require that the Stanislaus River dissolved oxygen compliance point be move upstream).

**Before we rush to de-designate
beneficial uses, relax water quality
objectives or reduce instream flow,
this Board must resolve
several fundamental questions.**

Given the fact that:

- Source water exceeds standards.
- Accretion of salt from irrigation is inevitable.

Can irrigating lands prone to leaching salts with water that already exceeds salinity standards be a beneficial use of water under the California Constitution?

Given the fact that:

- The Friant Water Users Authority, City of San Francisco and SSJID/OID operate peripheral diversions around the lower reaches of the San Joaquin, Tuolumne and Stanislaus Rivers.
- Water must be employed to meet the highest multiple beneficial uses.

Is the diversion of assimilative capacity around lower reaches of impaired waterways an unreasonable method of diversion under the California Water Code?

Since:

- The cumulative total of pre-1914, riparian and appropriative water rights within the San Joaquin Basin exceeds available water.

**Isn't it now time for the
State Board to adjudicate
the Basin?**

It's more than just salt

- The San Joaquin River is impaired by Boron, Chlorpyrifos, DDT, Diazinon, Electrical Conductivity, Group A Pesticides, Mercury, Selenium and Unknown Toxicity.
- The Merced River is impaired by Chlorpyrifos, Diazinon and Group A Pesticides.
- The Tuolumne River is impaired by Diazinon, Group A Pesticides and Unknown Toxicity.
- The Stanislaus River is impaired by Diazinon, Group A Pesticides, Mercury and Unknown Toxicity.
- Stockton Ship Channel is impaired by Chlorpyrifos, DDT, Diazinon, Group A Pesticides, Mercury, Low Dissolved Oxygen, Unknown Toxicity, Dioxins, Furans, pathogens and PCBs.

Water Quality Control Plans Must Consider:

- That all promulgated water quality objectives must be met.
- Compliance is required throughout the water column and river reach.
- Reduction or increases in flow (i.e., assimilative capacity) inevitably results in a decrease or increase in pollutant concentration.

Given the fact that:

- SJR TMDL proceedings demonstrate that source control, by itself, cannot achieve compliance with water quality standards.
- Increases in assimilative capacity (i.e., flow) are also necessary.
- Water quality standards must be met throughout an impaired waterway – not simply at a low point on the watershed.

Shouldn't the burden of restoring assimilative capacity be equitably distributed between all upstream diversions/storage?

Given the fact that:

- Region 5 has blatantly refused to implement the State Board's explicitly 1999 direction to immediately move the salt compliance point upstream on the SJR.

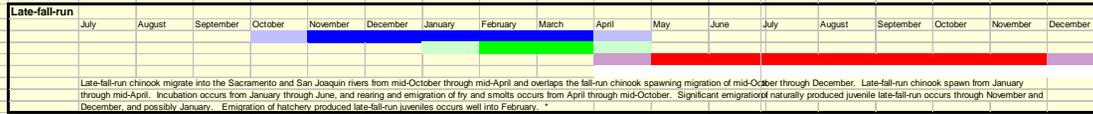
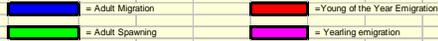
The State Board should immediately adopt upstream salinity compliance points that are protective of the entire impaired reach of the San Joaquin River?

It should also be remembered that:

- Fishable, swimmable beneficial uses exist on the San Joaquin River.
- Water quality standards must protect aquatic life beneficial uses.
- Sensitive life stages of aquatic life are present in the San Joaquin River all twelve months of the year.

Central Valley Chinook Salmon

Sacramento - San Joaquin River Systems



* Information from: Restoring Central Valley Streams: A PLAN FOR ACTION, Department of Fish and Game, 123 pp., December 1993
 ** Information from: Guidelines for Recommended Time Periods for In-Channel Activities for Winter-run Chinook Salmon
 *** National Marine Fisheries Service proposed Recovery Plan for The Sacramento River Winter-run Chinook Salmon, August 1997
 **** Report to The Fish and Game Commission: A Status Review of The Spring Run Chinook Salmon (Oncorhynchus tshawtscha) in the Sacramento River Drainage. Candidate Species Status Report 98-01, June 1998, CDFG

Graphics provided by Ron Camacho

Central Valley Steelhead Life Stage Periodicity

Sacramento - San Joaquin River Systems



Proceedings of the Central Valley Salmonid Symposium, 1997.
 Fish and Game Fish Bull. accepted for publication.

Graphics provided by Ron Camacho

There are no “painless” solutions. Any meaningful control plan must include:

- Upstream compliance points.
- Source Control (including targets, compliance schedules, milestones and consequences for noncompliance).
- Flow augmentation (elimination or reduction of bypass of assimilative capacity and a fair-share contribution from all diverters).