

CALFED Bay-Delta Program

Salinity Reduction Efforts

CALFED's Position

- v Non-Regulatory
- v Based on science
- v Comprehensive
- v Compliment the tough jobs that other planning and regulatory agencies are doing and have done

Salinity Reduction

- v Reduce Salinity of Exported Water
- v Reduce Salinity of Tail/Drain Water
- v Real Time Discharge Management
- v Land Retirement
- v Reduce Salinity of Drinking Water

Export Water

The Preferred Program Alternative could reduce salinity at the export pumps about 3% to 40%, depending on time of year, water year type, location of the pumps, and storage and delivery options.

Modeling Results - Average

Location	Annual	Maximum
Contra Costa Canal	3% (21%)	22% (40%)
Clifton Court	2% (20%)	21% (39%)
Delta Mendota Canal	3% (21%)	16% (33%)

All projections account for the assumption that a Screened Connection between the Sacramento and Mokelumne is in place.

(With Storage)

Comparison of Preferred Program Alternative vs. No Action Alternative - all water year types

Modeling Results - Dry

Location	Annual	Maximum
Contra Costa Canal	-1% (23%)	16% (42%)
Clifton Court	-6% (23%)	15% (41%)
Delta Mendota Canal	-1% (19%)	18% (36%)

All projections account for the assumption that a Screened Connection between the Sacramento and Mokelumne is in place.

(With Storage)

Comparison of Preferred Program Alternative vs. Existing Conditions - Dry and Critical Years

Discharge Treatment

- √ On-farm treatment
 - Red Rock Ranch Type project

- √ District Wide Treatment
 - Panoche DD Membrane System with salt crystallization component

Real Time Management

- v Fund Development of Real Time prediction system
- v Fund Real time feasibility assessment
- v Fund demonstration projects

Drinking Water Treatment

- v Treatment systems at drinking water facilities or on a district wide basis for all drinking water purveyors.

Other Efforts that Help

- v DWR staff discovered salinity reductions that occur as part of a separate, unrelated project
- v The project is in need of development to eliminate risk
- v The project could reduce salinity and bromide while not using farm land, maintaining recreation, and increasing habitat

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