

Water Quality in Delta Vision

Sam Harader

Water Quality Program Manager
CALFED Bay-Delta Program

CV SALTS

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Delta Vision

Delta Vision is a broad effort to find a vision for sustainable long-term management of the California Delta that equally values its ecosystem functions and service as a vital hub of the state's water supply.



Delta Vision Structure

- Delta Vision Committee
- Blue Ribbon Task Force
- Stakeholder Coordination Group
- Executive Director and staff
- Delta Science Advisors

Task Force Activities

- Started March 2007
- November 2007 Vision document
- 2008 - Strategic Planning
- Final recommendations by end of year

Foundational Information

- Early Workshops and Reports
- DRMS Phase 1
- PPIC Report
- Context Memos
- Staff Reports
- CALFED End of Stage 1 Report
- Stakeholder and external visions

BRTF Delta Vision

- 12 recommendations
- Ecosystem and reliable water supply co-equal goals
- Separation of water for the ecosystem and water supply
- New conveyance and storage needed
- Assessment of dual conveyance recommended

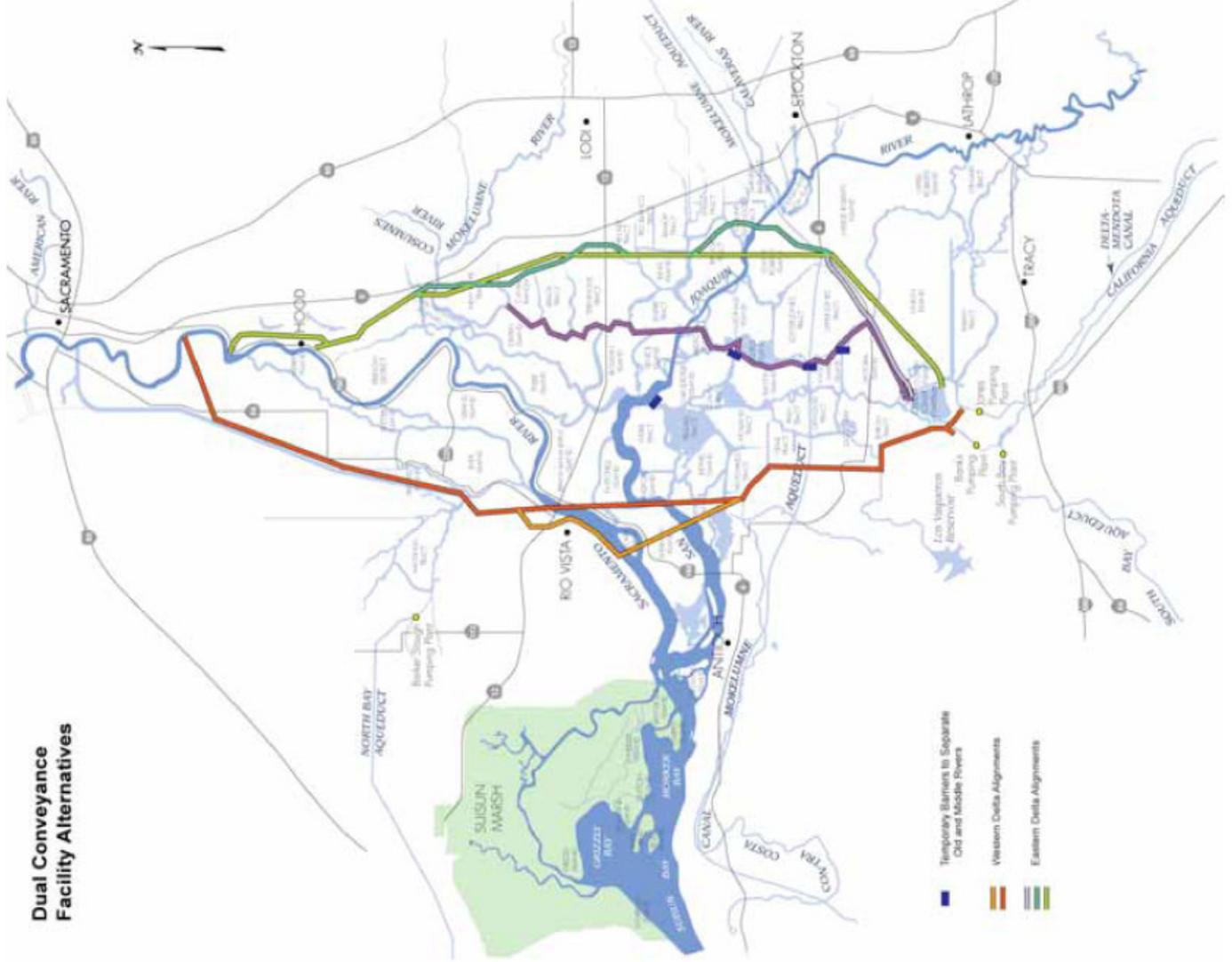
CALFED Staff Report on Conveyance

- Existing information
- 5 criteria (including water quality)
- 5 conveyance alternatives
- Water quality key findings
 - eco water quality \neq drinking wq
 - isolated/dual conveyance good for exports not so good for in-Delta
 - much depends on operations
 - eco outcomes very difficult to predict
- 5c in April 2008 meeting materials

DWR Initial Dual Conveyance Assessment

- reconnaissance level computer modeling
- initial cost, supply, water quality, and ecosystem analyses
- 4 dual conveyance configurations
- South/Central Delta - more San Joaquin River influence
- More to come in BDCP

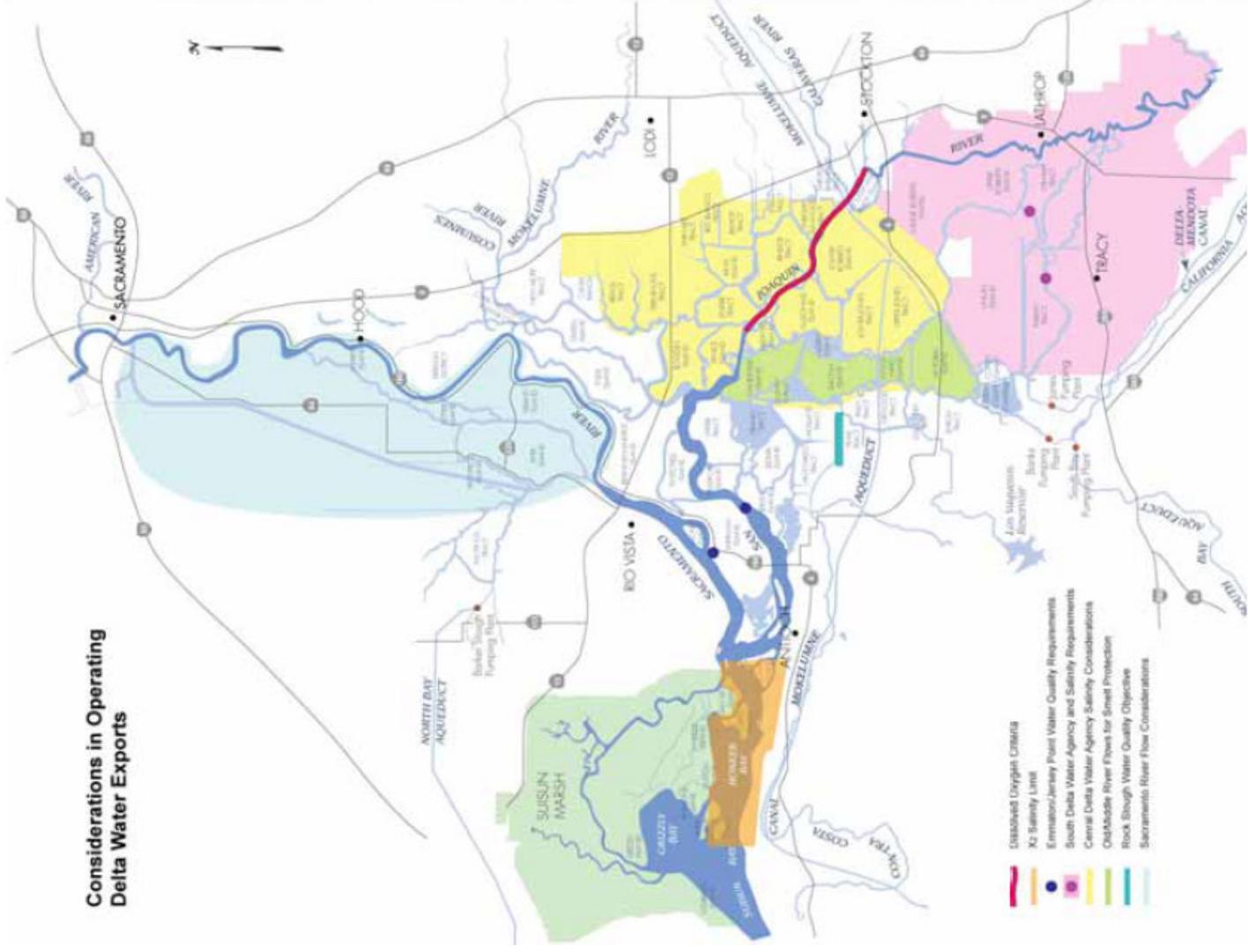
**Dual Conveyance
Facility Alternatives**



Components of Dual Conveyance

- Seismic and Flood Durability
- Cost Estimates:
 - Western: \$7.4 B
 - Eastern: \$4.2 B
 - Thru Delta (Range): \$1.2 B – \$9.8 B
- Totals:
 - Western: \$7.4 B
 - Eastern: \$8.6 B
 - Total: \$17.2 B
- Eastern:
 - Western: \$4.2 B
 - Eastern: \$5.4 B
 - Total: \$14 B

Considerations in Operating Delta Water Exports



Operational Considerations

- Water Quality:
- Small Salinity changes in Western Delta
- Most significant changes in Central and South Delta when the Through-Delta Component is not used
- Operational Flexibility could support different Water Quality regimes
- Operations may include water for conservation measures - BDCP

Delta Vision Strategic Plan

- 4 work areas (workgroups)
 - Delta as Place
 - Reliable Water Supply
 - Governance and Finance
 - The Estuarine Ecosystem
- 1st public draft in June
- BRTF Strategic plan due in October
- Final to governor by end of 2008

Water Quality Strategies

- Drinking Water and Agricultural Irrigation
 - Anthropogenic contaminants: source reduction
 - Natural constituents: manage
- Environmental Water
 - Migratory corridor needs (DO, temp, toxics)
 - Open water needs (temp, turbidity)
 - Food web and land/water interface (organic carbon)
 - Stressors: reduce contaminants

Related Planning Processes

- Bay-Delta Conservation Plan
 - Endangered fish protection
 - Conveyance
 - Continues through 2010
- SWRCB/RWQCB Delta Strategy
 - Includes CV-SALTS
 - Public review draft mid May
 - Scheduled for adoption June/July

Opportunities for Input

- All meetings are public and noticed
- All BRTF meetings allow public comment
- Written comments anytime
- Stakeholder group
- Public participation web page

Questions, Comments?

- CALFED Bay-Delta Program
 - www.calwater.ca.gov
- Delta Vision
 - www.deltavision.ca.gov
- Bay-Delta Conservation Plan
 - <http://resources.ca.gov/bdcp>