

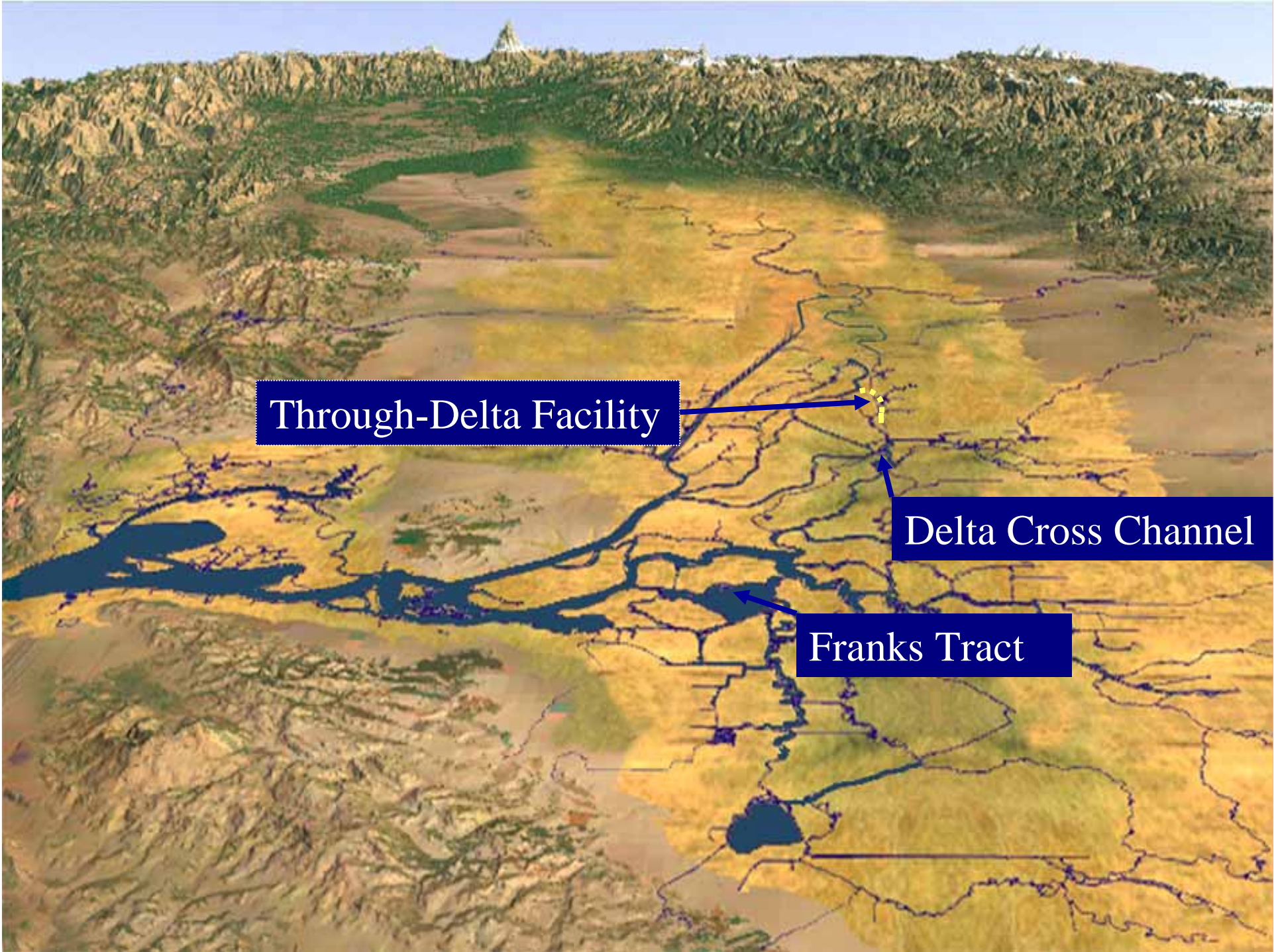
Water Quality Plan

Franks Tract, DCC and TDF

Drinking Water Subcommittee

May 4, 2006





Through-Delta Facility

Delta Cross Channel

Franks Tract

Franks Tract



Franks Tract - Accomplishments

Flooded Islands Pre-feasibility Study - Findings

- Identified several preferred alternatives
- Based on modeling (data for water year 2002) modifications to Franks Tract could reduce salinity at the export locations in the order of about 5%-16% depending on the alternative.
- Suggested a pilot project to study the benefits and impacts before full implementation



Franks Tract - Planned Activities

(FY 2006-07)

- Flow and salinity data collection/ analysis
- Modeling to study impacts of pilot project on Delta hydrodynamics
- Regional Study
 - Salmon out-migration
 - Water Quality and Flow
- Collect baseline data for fisheries, Egeria, Corbicula, mercury methylation, dissolved organic carbon
- Initiate CEQA/NEPA process on Pilot Project



Franks Tract Schedule

- Testing of fish monitoring equipment: Fall 2006
- Flow and salinity data collection/analysis: 2005 - 2009
- Modeling of pilot project hydrodynamics: Winter 2006
- Regional fish and water quality studies: Fall 2007
- Collect baseline data for fisheries, Egeria, Corbicula, mercury methylation, dissolved organic carbon: 2007 - 2008
- CEQA/NEPA process: 2007 - 2009
- Final design of pilot project: 2009
- Construction of pilot project: 2010



Franks Tract Budget (2006-07)

- \$0.9 million in State Water Project Funds
- \$7.5 million in Bond Funds



Delta Cross Channel

Thru Delta Facility



DCC/TDF - Accomplishments

- RMA modeling contract in place
 - 2-D water quality and particle tracking modeling of TDF/DCC alternatives
- DOE engaged to perform engineering & develop alignment of TDF



DCC/TDF - Planned Activities

(FY 2006-07)

- RMA to complete water quality modeling of several TDF/DCC alternatives
- RMA to complete/release particle tracking module for these alternatives
- DOE to complete design/alignment of TDF alternatives
- USGS to plan regional fish study for re-operation of the DCC



DCC/TDF Schedule

- Water quality modeling: Now - Spring 2007
- Particle tracking: Now - Fall 2007
- TDF design/alignment: July 2006 – June 2007
- USGS studies: Fall 2007
- TDF pre-feasibility report: Spring 2008



DCC/TDF Budget (2006-07)

- \$1 million in State Water Project Funds
- \$1 million in Bond Funds

Questions



