

WATER QUALITY ASSESSMENT METHODOLOGY

COMPARISON OF 4 CASES

- D-1485, 1995 WQCP, Game 1A, Game 1B

SALINITY ASSESSMENT

- DSM2 used to quantify salinity distribution in the Delta
- - Multiple locations in the Delta are analyzed
 - Agricultural drainage included in analysis
 - Inferring TDS, bromide, and chloride from electrical conductivity
- Input used for DSM2: Output from DWRSIM and gaming model
- Simulation of Delta island storage
- Assumptions associated with the Delta Cross Channel gates

DELTA OUTFLOW

- Assess when additional outflow would be effective to improve salinity
- Assess tradeoffs: Use of Project water or water purchases

ORGANIC CARBON ASSESSMENT

- MWQI data (1990-1998) and modeled pumping data used as basis for computing export load
- Game 1B: Delta Island storage and effects on organic carbon diversion load