DWR-03

Summary of Professional Qualifications of

Tara Smith

Education

M.S. in Civil Engineering, December 1990, University of California, Davis.

B.S. in Engineering, May 1985, Trinity University, Texas

Professional Affiliations

Registered Professional Engineer

Past-Convener, California Water and Environmental Modeling Forum

Current Experience

Chief of the Delta Modeling Section in DWR's Bay-Delta Office. Responsible for leading the development, maintenance and application of mathematical models for the Bay-Delta system.

Previous Experience

Nineteen years experience in hydrodynamic and water quality modeling of the Sacramento-San Joaquin Delta.

Publications

- Smith, T., Suits, R., and Nader P. "Investigation of the Factors Affecting Water Quality at Brandt Bridge, Middle River at Union Point, and Old River at Tracy", Exhibit DWR-20 for the State Water Resources Control Board, Delta Salinity Draft Cease and Desist and Water Quality Response Plan Hearing. October 2005
- "Chapter 8: CALSIM Water Quality Operating Rules to Meet Delta Wetlands Water Quality Management Plan", *Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh. Twenty-third Annual Progress*

Report to the State Water Resources Control Board. California Department of Water Resources. Sacramento, CA. July 2002.

- "Chapter 3: DSM2 1997 Dye Simulation", *Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh. Twentieth Annual Progress Report to the State Water Resources Control Board.* California Department of Water Resources. Sacramento, CA. June 1999.

- "Chapter 4: DSM2-PTM", *Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh. Nineteenth Annual Progress Report to the State Water Resources Control Board*. California Department of Water Resources. Sacramento, CA. June 1998.

- Smith, T.A. and Bogle, G.V., "Three Dimensional Particle Tracking Model for the Sacramento San Joaquin Delta". American Society of Civil Engineers North American Water and Environment Congress '96. Proceedings Paper. 1996

- "Using DWRFLO and DWRPTM to Investigate the Feasibility of Utilizing the Sacramento Ship Channel for Fish Passage", Technical Report for the U.S. Corps of Engineers, Sacramento District. California Department of Water Resources, Delta Modeling Section. 1995.

- "Chapter 4: Particle Tracking", *Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh. Sixteenth Annual Progress Report to the State Water Resources Control Board*. California Department of Water Resources. Sacramento, CA. June 1995.

- "Zone of Influence", Technical Report. California Department of Water Resources, Delta Modeling Section. 1994.

- "Chapter 3: Particle Tracking Model for the Delta", *Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh. Fifteenth Annual Progress Report to the State Water Resources Control Board*. California Department of Water Resources. Sacramento, CA. June 1994.

- "Chapter 2: Particle Tracking Model for the Delta", *Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh. Fourteenth Annual Progress Report to the State Water Resources Control Board*. California Department of Water Resources. Sacramento, CA. June 1993.

- "Chapter 4: Verification", *Methodology for Flow and Salinity Estimates in the Sacramento-San Joaquin Delta and Suisun Marsh. Thirteenth Annual Progress Report to the State Water Resources Control Board*. California Department of Water Resources. Sacramento, CA. June 1992.