

FRANCES W. BREWSTER
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118
(408) 265-2600

EDUCATION

B.A., Cum Laude, 1989, Colgate University, Hamilton, NY
Major in Biology and Minor in Environmental Studies
Beta, Beta, Beta, Biological Honor Society

PROFESSIONAL EXPERIENCE

- 8/05-present **Project Manager**, Santa Clara Valley Water District, San Jose, CA. Project manager in the Imported Water Program of the Water Utility Enterprise. Responsible for negotiating and managing research contracts; tracking fisheries and water quality research and informing managers and policy makers of results and implications; providing technical input on fisheries and water quality science to multiple Delta forums and processes. Develop Delta Project Plan and Stakeholder Engagement Plan.
- 2/01-8/05 **Senior Water Quality Specialist**, Santa Clara Valley Water District, San Jose, CA. Program manager for the Source Water Quality Management Program for the Water Utility Enterprise. Responsible for informing Water Utility and Water Supply Operations Divisions of trends and concerns with regard to water quality in all sources of supply; working with internal and external partners to develop and implement protection and improvement measures for all constituents of concern; and staying abreast of all new and proposed water quality regulations. Develop program strategic plan, priorities, and performance measures. Manage staff and consultant contracts, assist in unit budget process.
- 6/97-2/01 **Water Quality Specialist II**, Santa Clara Valley Water District, San Jose, CA. Program coordinator for the Nitrate Management Program within the Water Quality Unit. Project manager for the private well sampling program. Scheduled and conducted sampling and analysis of over 600 wells in six months. Developed a groundwater monitoring network to track the long term nitrate trends, including installation of new wells, execution of access agreements, and interpretation of results. Partnered with Monterey and Santa Cruz Counties on the production of agricultural outreach materials and workshops; reported to the public, media, and elected officials on the status of the program.
- 10/94-6/97 **Bioassay Laboratory Manager**, ToxScan, Inc., Watsonville, CA. Managed professional and technical staff and project scheduling, conducted performance evaluations, wrote Standard Operating Procedures and performed quality assurance and quality control checks of all data. Managed all aspects of two aquatic toxicology laboratories as well as performed all duties of staff toxicologist. Designed and performed non-point source Toxicity Identification Evaluations, dredge sediment Tier II and III bioassays and NPDES compliance monitoring testing. Researched and developed new bioassay procedures. Project manager for the Bioassay Laboratory Relocation Project. Designed the new facility, managed the construction contractors, tracked the project budget and schedule and directed project staff.

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- 8/93-10/94 **Assistant Bioassay Laboratory Manager**, ToxScan Inc., Watsonville, CA. Managed professional and technical staff scheduling, performed duties of Health and Safety Officer for Bioassay Division, oversaw personnel training program. Performed all aspects of aquatic bioassays including test design, water quality monitoring, set up, and end point determinations.
- 3/91-8/93 **Aquatic Toxicologist**, ToxScan Inc., Watsonville, CA. Performed all aspects of acute and short-term chronic bioassay protocols for effluent toxicity characterization using freshwater and marine species. Monitored water quality parameters throughout each bioassay.
- 6/90-12/90 **Environmental Programs Assistant**, City of Morgan Hill, Morgan Hill, CA. Implemented recycling, water conservation and other environmental programs and produced public education brochures and guides. Tracked public and private water use compared to pre-drought consumption levels. Established Environmental Hotline and coordinated summer camp program.
- 2/90-5/90 **Resource Assistant**, Lower Rio Grande Valley National Wildlife Refuge, Alamo, TX. Conducted plant and wildlife surveys, entered and analyzed data, assisted with greenhouse operations, assisted with refuge management and prepared tract management plan using Geographical Information System ARC/INFO.
- 9/89-2/90 **Research Intern**, Lloyd Center for Environmental Studies, S. Dartmouth, MA. Conducted water quality sampling and analysis, surveyed local residents, and wrote management report for the Town of Gosnold, MA. Provided administrative assistance for the Buzzards Bay Project and the Lloyd Center; staffed, and contributed articles to the Buzzards Bay Project Newsletter; wrote press releases.
- 9/87-6/89 **President**, Students for Environmental Awareness, Colgate University, Hamilton NY. Organized activities, facilitated meetings, managed budget and raised funds.
- 9/88-6/89 **Coordinator**, Colgate University Recycling Effort (CURE), Colgate University, Hamilton, NY. Established campus wide newspaper recycling program and initiated plans for a campus wide office paper recycling program.

PROFESSIONAL MEMBERSHIPS

Society for Environmental Toxicology and Chemistry
Coastal Estuarine Research Foundation