

KAMYAR GUIVETCHI, PE
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EDUCATION AND PROFESSIONAL DEVELOPMENT

University of California, Davis: B.S. Civil Engineering (September 1979).

University of California, Davis: Environment Engineering, 141 quarter units post graduate study

Professional Civil Engineer, California License No. C-47337 (from 1991-present).

Member of DWR Management Development Program (1996-97).

Member of California Leadership Institute Executive Training Program (1999-2000).

Recipient of Director's Outstanding Management Excellence Award in 1997.

Recipient of Hugo B. Fischer Award for Delta/Suisun Marsh model studies in 2000.

Recipient of Director's Outstanding Professional Accomplishment in 2005.

Recipient of ASPA Intergovernmental Cooperation Award in 2006.

Recipient of ASPA Excellence in Public Management (John W. Gaston, Jr.) Award in 2015.

Member 2017 & 2019 Cohorts, California Innovation Playbook for Government Change Agents (Cal-IPGCA).

PROFESSIONAL EXPERIENCE

August 2008 – Present

California Department of Water Resources

Division of Planning (previously Statewide Integrated Water Management)

901 P Street, Sacramento, CA 95814

CEA (Level 3) (August 2008 - Present)

Manager, Division of Planning (previously Statewide Integrated Water Management, July 2009 – June 2019; Planning and Local Assistance, August 2008 -- June 2009). From 2006-2008, staff to Delta Vision Blue Ribbon Task Force. From 2007, Chair of State Agency Steering Committee. From 2014, Executive Committee Co-chair of the California Biodiversity Council. Plan, organize, direct, and coordinate the Division of Statewide Integrated Water Management in close coordination with the Division of Integrated Regional Water Management, Division of Flood Management, and other DWR divisions and offices. Provide direct supervision for seven managers and assistants. Formulate, develop, and implement major water policy initiatives to manage California's water resources for sustainability and resilience. Manage activities relating to Division programs that support development and implementation of the California Water Plan and Integrated Regional Water Management Plans. Activities include planning and implementing a variety of water management projects, including large surface storage, aquifer replenishment, flood risk reduction, environmental restoration/enhancement, agricultural drainage, water conservation, water quality improvements, water recycling, desalination, and the integration and co-management of those projects, line flood managed aquifer recharge, to achieve multiple benefits. Other activities include improving and implementing open data publication and use, providing technical assistance to local agencies, managing financial assistance programs, and facilitating regional/watershed scale planning.

Coordinate and collaborate with State, Federal and local agencies, California Native American Tribes, organizations, media, and parties to implement Division programs/projects including, California Water Plan Updates, drought response, Water Use & Efficiency, Integrated Surface Storage, System Reoperation Study, Flood Managed Aquifer Recharge, and Open and Transparent Water Data Act.

Write and review departmental memoranda, reports, environmental documents, news releases and articles, including the ***California Water Plan Updates 2009, 2013 and 2018 (Bulletin 160)***.

Approve personnel and fiscal documents, reports, correspondence, budget and program control documents, service agreements, and contracts. Carry out second or higher-level review responsibilities for all formal grievances and discrimination complaints originating in the Division. Act for the Deputy Director, as required.

December 2000 – July 2008
California Department of Water Resources
Division of Planning and Local Assistance
Statewide Water Planning Branch
901 P Street, Sacramento, CA 95814

Principal Engineer, Water Resources (November 2000 - Present)

Manager, Statewide Water Planning Branch. Plan, organize, direct, and coordinate the Statewide Water Planning Branch, including sections for Water Resources Evaluations, Land & Water Use Data, Economics Analysis, Special Planning Studies, Data Management & Information Technology, Environmental Review, comprised of 20 senior, supervisory, senior and associate level engineers, economists, land and water use analysts, information technology specialists, student assistants, and retired annuitants. Provide direct supervision for seven staff. Provide program management for about 130 DWR staff in interdisciplinary matrix teams. Conduct interviews, and annual staff and supervisory Appraisal & Development.

Manage DWR staff work and coordinating with agencies, stakeholders and the public to prepare the **California Water Plan Update 2005** (Bulletin 160), **California Ground Water Management** (Bulletin 118), and **Crop Water Use in California** (Bulletin 113), using a collaborative, consensus-seeking approach. Interact with a 65-member public Advisory Committee and 350-member Extended Review Forum in support of Water Plan 2005. Initiate Water Plan Update 2009 with the first 21 State agency Steering Committee, 45-member Advisory Committee, Regional Workshops, and Statewide Water Analysis Network (SWAN) technical advisory group.

Routinely contact and coordinate with other State, Federal and local agencies, organizations, media, and parties interested in DWR's Statewide Water Planning, California Water Plan Updates, FloodSafe California and Executive Leadership Team, and Delta Vision Team.

Write and review departmental memoranda, reports, environmental documents, news releases and articles, including **Final California's Groundwater (Bulletin 118-03)** (November 2003) and **Final California Water Plan Update 2005 (Bulletin 160-05)**.

Act for the Division Chief. Division representative on Strategic Business Plan Update Team.

August 1995 – November 2000
California Department of Water Resources
Environmental Services Office
Suisun Marsh Branch
3251 S Street, Sacramento, California 95816

Supervising Engineer, Water Resources (June 1997 - Present)
Senior Engineer, Water Resources (August 1995 - May 1997)

Chief, Suisun Marsh Branch. Plan, organize, direct, and coordinate the Suisun Marsh Branch, including a Planning Section, Monitoring/Compliance Section, and Information Technology Unit, and comprised of 18 senior, associate and staff level engineers, environmental specialists, information technology specialists, technicians, student assistants, and scientific aides. Provide direct supervision for nine staff. Conduct interviews, and annual staff and supervisory Appraisal & Development.

Program Manager for two Work Authorities with a combined annual budget of about \$2 million. Prepare budgets, Program Component Statements, Work Authority Revisions, supplemental budget forms (e.g., 262, 1498, 4124), and equipment budget items. Track Program Manager's Reports.

Contract Manager for ***Suisun Marsh Preservation, Monitoring and Mitigation Agreements***, Individual Ownership Cost-Share Program, Acid Water Study, and Comprehensive Data Review. Prepare contract language and standard forms, encumber funds, authorize payments, and track expenditures.

Coordinator of the four agency process, namely the DWR, U.S. Bureau of Reclamation, Department of Fish and Game, and Suisun Resource Conservation District, to amend the ***Suisun Marsh Preservation Agreement*** and companion ***Monitoring and Mitigation Agreements***. Facilitate the Negotiation Team, Technical Support Group, Amendment Drafting Committee, and Environmental Documentation Team. Organize management-level negotiation with the Fairfield-Suisun Sewer District, Solano County Water Agency, and Solano Irrigation District on an alternative to augment Green Valley Creek flow with treated effluent. Coordinate with other DWR Divisions and State Water Resources Control Board staff. Brief the Director, Deputy Directors, and Division Chiefs on status of negotiations.

Expert witness on Suisun Marsh issues for DWR at SWRCB Water Rights Hearings. Chair of DWR's Suisun Marsh Technical Subcommittee. Prepare and present testimony on Suisun Marsh activities. Provide technical and Suisun Marsh modeling support for the SWRCB EIR for implementing the 1995 Water Quality Control Plan. Chair of the Hydrodynamic and Water Quality Subcommittee of the Suisun Ecological Work Group requested by the SWRCB to evaluate Suisun Marsh water quality objectives. Review periodic Suisun Marsh Compliance Reports and annual Progress Reports to the SWRCB.

Provide technical and modeling support on Marsh and Delta hydrodynamics and salinity transport to the Environmental Services Office, Office of SWP Planning, Division of Operation and Maintenance, Interagency Ecological Program, and CALFED. Oversee the recalibration of the Delta Simulation Model 1 and Model 2 requested by the CALFED Bay-Delta Program.

Provide oversight and coordination for DWR/USBR/USACE \$1.1 million emergency levee repair project in Suisun Marsh immediately following the February 1998 El Nino storms. Assist Division of Flood Management and Central District flood fight efforts. Facilitate multi-agency policy discussion and communication, contract administration, environmental permit acquisition, property access agreements, engineering design, and site inspections. Briefed DWR/USBR Executive and State Water Contractors.

Routinely contact and coordinate with other State, Federal and local agencies, organizations, media, and parties interested in DWR's Suisun Marsh activities. Chair of the Suisun Marsh Technical Advisory Committee (TECHCOMM). Represent DWR at monthly Suisun Resource Conservation District Board meetings and forums related to the Suisun Marsh. Closely plan and coordinate with USBR management on joint DWR-USBR Suisun Marsh activities and cost sharing. Brief the State Water Contractors on Suisun Marsh activities and expenditures.

Establish first two Environmental Coordination Advisory Teams (ECAT) in DWR, consistent with Water Resource Engineering Memorandum 58a, to ensure Suisun Marsh projects comply with all regulatory permits and requirements and to promote inter-division communication and coordination.

SAP Site Implementation Team Manager for ESO. Member of Information Technology Standards Committee and alternate member for ESO on Information Technology Governance Board.

Write and review departmental memoranda, reports, environmental documents, news releases and articles. Direct preparation of: 1) ***Draft Environmental Assessment/Initial Study for Amendment Three to the Suisun Marsh Preservation Agreement*** (May 1998) 2) ***Final Biological Assessment for Amendment Three to the Suisun Marsh Preservation Agreement*** (October 1999) 3) ***Demonstration Document*** (April 1998; showing that Amendment Three provides equivalent or better protection that SWRCB western Suisun Marsh objectives), and 4) ***Suisun Marsh 73-Year Model Study in Support of SWRCB EIR for Implementing the 1995 Water Quality Control Plan*** (November 1997) and ***Addendum Report*** (May 1999).

Act for the Environmental Services Office Chief. ESO alternate on the Information Technology Governance Board.

October 1994 - July 1995
California Department of Water Resources
Environmental Services Office
Suisun Marsh Planning Section
3251 S Street, Sacramento, California 95816

Senior Engineer, Water Resources

Chief, Suisun Marsh Planning Section. Plan, lead, organize, and control SMP staff, budget, and equipment. Completed SB 409 supervisory training program.

Plan, lead, review and report on complex hydrodynamic and salinity modeling and engineering studies for the Suisun Bay/Marsh system in support of: 1) Western Suisun Marsh Salinity Control Test; 2) real-time forecasting of operations to meet Suisun Marsh salinity standards; 3) special studies to assess impacts of biological opinions and proposed standards on Suisun Marsh, such as estimating salinity conditions in Suisun Marsh with water quality objectives proposed by the California Urban Water Users and Agricultural Water Users (CUWA/AG).

Develop procedures to "re-operate" a historic sequence of daily Delta inflows and exports to account for new or proposed flow and salinity criteria in biological opinions and SWRCB plans and decisions.

Provide information and data to State Water Resources Control Board staff in support of the draft Water Quality Control Plan (December 1994). Author or co-author of reports to SWRCB staff, namely: 1) **Program Of Implementation for Wildlife Water Quality Objectives for Suisun Bay Area** (November 1994); 2) **Summary of Salinity Conditions in Suisun Marsh During Water Years 1984-1992** (November 1994); and 3) **Estimate of Salinity Conditions in Suisun Marsh for Water Years 1987-1992 With CUWA/AG Criteria** (January 1995).

Review, and prepare written comments on, the SWRCB draft Water Quality Control Plan and draft Environmental Report. Participate in review of the draft WQCP by the four parties of the Suisun Marsh Preservation Agreement, namely DWR, U.S. Bureau of Reclamation, Department of Fish and Game, and Suisun Resource Conservation District. Provide input to **Joint Recommendations** (March 1995) by the four parties to the SWRCB.

Expert witness on Suisun Marsh issues for DWR at SWRCB Water Rights Hearings (April 1995). Prepare testimony on Suisun Marsh activities.

Participate in DWR's re-evaluation of the Suisun Marsh Program. Brief Deputy Directors on Suisun Marsh issues. Provide input to DWR's and USBR's **Proposed Plan of Action for Suisun Marsh Activities** through 1997.

Member of an interagency negotiating team to finalize an agreement between DWR, USBR, and Solano County Water Agency to purchase Lake Berryessa water for Green Valley Creek flow augmentation.

Routinely contact and coordinate with other State, Federal and local agencies, organizations, and people interested in DWR's Suisun Marsh activities. Coordinate, participate in, and document monthly meetings for the Suisun Marsh Technical Advisory Committee (TECHCOMM). Chair the TECHCOMM Modeling Subcommittee. Acting TECHCOMM chair in absence of the Branch Chief.

Write and review departmental memoranda, reports, news releases and articles.

Act for the Branch Chief in his absence. Section EDP and equipment custodian. Participate on interview panels for new employees.

August 1991 - September 1994
California Department of Water Resources
Environmental Services Office
Suisun Marsh Planning Section
3251 S Street, Sacramento, California 95816

Associate Engineer, Water Resources

Coordinate planning, design, environmental review and documentation for the joint State-Federal Western Suisun Marsh Salinity Control Project (WSCP). Facilitate meetings for six task managers and planning workshops for about 20 interagency staff.

Task manager responsible for preparing environmental documentation (EIR/EIS) for the WSCP. Coordinate, prepare, edit and distribute the report: ***Screening Alternative Actions and Describing Remaining Actions for the Proposed Western Suisun Marsh Salinity Control Project*** (May 1993).

Lead, plan, conduct and report on complex hydrodynamic and salinity modeling and engineering studies for the Suisun Bay/Marsh system in support of: 1) Western Suisun Marsh Salinity Control Project and Test; 2) real-time forecasting of operations to meet Suisun Marsh salinity standards; and 3) special studies to assess impacts of biological opinions and proposed standards on Suisun Marsh.

Improve the DWR Delta Simulation Model (Suisun Marsh Version) to graphically display, animate and compare model results. Train/direct section technicians and student assistants to prepare, analyze and report on modeling and engineering studies. Conduct model training workshops. Coordinate the preparation of the DISPLAY User's Guide and model validation documentation report.

Routinely contact and coordinate at the staff level with other State, Federal and local agencies, organizations, and people interested in DWR's Suisun Marsh activities. Coordinate, participate in, and document monthly meetings for the Suisun Marsh Technical Advisory Committee (TECHCOMM). Chair the TECHCOMM Modeling Subcommittee.

Write and review departmental memoranda, reports, news releases and articles.

Act for the Section and Branch Chiefs in their absence. Section EDP and equipment custodian. Participate on interview panels for new employees.

April 1990 - July 1991
California Department of Water Resources
Division of Local Assistance
Suisun Marsh Planning Section
3251 S Street, Sacramento, California 95816

Assistant Engineer, Water Resources

Coordinate planning, design, environmental review and documentation for the joint State-Federal Western Suisun Marsh Salinity Control Project (WSCP). Facilitate meetings for six task managers and planning workshops for about 20 interagency staff; organize, coordinate and document the WSCP public scoping session.

Task manager responsible for preparing WSCP environmental documentation (EIR/EIS). Coordinate, prepare, edit and distribute the report: ***Scoping Report for the Proposed Western Suisun Marsh Salinity Control Project*** (August 1991).

Prepare the DWR Delta Simulation Model (Suisun Marsh Version). Improve model code and input data to include Suisun Marsh facilities, waterfowl club operations, and real-tide, year-long simulations. Plan, organize, conduct and report on model calibration and verification using four years of data. Train and direct section technicians and student assistants to prepare, analyze and report on model studies.

Routinely contact and coordinate at the staff level with other State, Federal and local agencies, organizations, and people interested in DWR's Suisun Marsh activities. Coordinate, participate in, and document monthly meetings for the Suisun Marsh Technical Advisory Committee (TECHCOMM).

Write, review and edit technical and departmental memoranda, reports, news releases and articles.

Act for the Section Chief in his absence. Section EDP and equipment custodian. Participate on interview panels for new employees.

June 1985 - March 1990
California Department of Water Resources
Division of Planning
Delta Modeling Section
Resources Building, Sacramento, California 95814

Assistant Engineer, Water Resources

Document the revised DAYFLOW program and data base. Prepare the report: ***DAYFLOW Program Documentation and Data Summary User's Guide*** (February 1986).

Prepare statistical salinity unit conversions equations for numerous sites in the Sacramento-San Joaquin Delta. Document results in the Technical Information Record: ***Salinity Unit Conversion Equations*** (June 1986).

Evaluate DWR's statistical/empirical relationships between Delta Outflow Index and salinity at numerous sites. Develop and test inverse statistical models to predict DOI given target salinity.

Revise DWR's statistical relationship to predict salinity at Vernalis given flow.

Evaluate DWR's flow-salinity relationships for determining carriage water in the DWRSIM model. Revise carriage water relationships using field/model data.

Prepare exhibits for Phase I SWRCB Water Rights Hearings on historic Delta hydrodynamic and salinity trends and characteristics with field/model data.

Prepare a database of Delta island specific agricultural diversion and drainage flows based on consumptive use estimates for use in Delta simulation modeling.

Prepare a full Delta and Suisun Marsh model grid for the DWR/RMA Delta Hydrodynamics Model and the DWR Delta Simulation Model. Retrieve and reduce field data on Delta channel characteristics; calibrate and verify models.

Plan, coordinate, conduct and report on complex hydrodynamic and salinity model studies in support of: 1) the South Delta Water Management Program EIR/EIS, 2) the North Delta Program EIR/EIS, 3) the South Delta Water Agency Agreement Negotiations, 4) the Interagency Delta Salmon Team, and 5) special studies. Train/direct section engineers and student assistants to prepare, analyze and report on model studies.

Chair the Technical Advisory Committee for South Delta negotiations.

Prepare technical appendixes for: 1) ***Draft EIR/EIS, South Delta Program*** (June 1990); 2) ***Draft EIR/EIS, North Delta Program*** (November 1990); 3) ***South Delta Agency Agreement*** (1990).

Meritorious Service Award (1990). Unit Citation, South Delta Water Agency Agreement Negotiating Team (1990).

June 1984 - May 1995
California Department of Water Resources
Central District
Delta Operations and Modeling Section
3251 S Street, Sacramento, California 95816

Junior Civil Engineer, Water Resources

Retrieve, manage, analyze and document hydrologic and water quality data. Document the Delta Impacts Analysis computerized database in the Technical Information Record: ***Preliminary Data Base Development Documentation and User's Guide*** (October 1984).

Prepare technical chapters for the Delta Impacts Analysis Staff Paper: ***Historical Hydrology and Water Quality Dynamics in the Sacramento-San Joaquin Delta (1968-1981)*** (August 1985).

Evaluate and revise the DAYFLOW program and database reporting format. Present new methodology at the Annual Workshop for the Interagency Ecological Studies Program.

Respond to requests for DAYFLOW and other data from department staff and other agencies, organizations and the public.

July 1980 - May 1984
California Department of Water Resources
Central District
Delta Impacts Analysis Section
3251 S Street, Sacramento, California 95816

Graduate Engineering Student Assistant

Prepare computerized database of hydrologic, water quality and biological data. Retrieve data, perform quality control and develop database using the Statistical Analysis System (SAS) software. Prepare data for EPA's STORET database.

Provide data and technical support for the Delta Impacts Analysis Staff Paper on historical Delta hydrology and water quality trends.

Perform data queries, statistical analysis and develop graphics for staff.

Participate in the Interagency Ecological Studies Program's Phytoplankton Task Force; provide data, perform analyses, and prepare graphics.

February 1978 - September 1979
California Department of Water Resources
Central District
Implementation and Fish Facilities Section
3251 S Street, Sacramento, California 95816

Engineering Student Assistant

Operate and maintain DWR's fish screen testing facility at Hood, California in support of the proposed Peripheral Canal.

Conduct fish screen clogging, cleaning and materials tests. Observe and record hydrodynamic and water quality data (e.g., discharge, velocity, head loss, and sediment/debris load).

Reduce and analyze test data. Prepare results and graphics for reports.

Assist Department of Fish and Game biologists conduct fish entrainment, passage and pump tests.