

EDUCATION

- ◆ California State University, Sacramento
BS in Civil Engineering, 1984



PROFESSIONAL LICENSES AND SOCIETIES

- ◆ Registered Civil Engineer in California
- ◆ Registered Civil Engineer in Nevada
- ◆ Registered Civil Engineer in Oregon
- ◆ Certified Water Right Examiner in Oregon
- ◆ Member, American Society of Civil Engineers

EXPERIENCE

1990 - Present MBK Engineers, Sacramento, CA
Principal

Same experience as described below with greater emphasis on the management and supervisory role.

Watermaster for Upper Putah Creek Watershed. Appointed to Watermaster by Sacramento County Superior Court Judge Parks on March 1, 1996. Responsible for implementing the Upper Putah Creek Settlement Agreement of March 10, 1995. Duties include monitoring and estimating depletion to comply with the Settlement Agreement.

Engineer for numerous Sacramento River Settlement (SRS) Contractors and Sacramento River Water Contractors Association (SRWCA). MBK has been SRWCA's engineer since 1974. Work has related to water use, water rights, contract administration, and other related issues. I have studied the various water rights of the SRS Contractors, observed their operations, and discussed these water rights on many occasions with the United States Bureau of Reclamation and California Department of Water Resources personnel. In addition, I was directly involved in the SRS Contract renewal effort, performing specific technical work and water supply analyses leading to and continuing after those contract negotiations.

Water Supply Contract Negotiations with US Bureau of Reclamation. Analysis and presentation of potential water right yields to arrive at project/contract quantities.

Major thru-Delta Water Transfers. Included obtaining regulatory approval, scheduling of releases and delivery, contract negotiation and monitoring of water right changes. Specific transfers were the 1991-92 State of California

Emergency Drought Water Bank; 2001 Forbearance Agreement between the Sacramento River Settlement Contractors, Westlands Water District, and the U.S. Bureau of Reclamation; 2009 State of California Drought Water Bank; and other miscellaneous water transfers.

***Expert Witness.* Testify as expert witness in water right hearings and court cases including:**

United States District Court, Eastern District of California, Fresno Division. Provided Declaration on behalf of 28 Sacramento River Settlement Contractors in Natural Resources Defense Council, et al., Plaintiffs, vs. Dirk Kempthorne, Secretary, U.S. Department of Interior, et al., Defendants. (2009)

Public Utilities Commission of the State of California In the Matter of the Application of PacifiCorp (U901-E) For an Order Authorizing a General Rate Increase and Implementation of a Power Cost Adjustment Mechanism And a Post Test-Year Adjustment Mechanism. (2006)

Public Utility Commission of Oregon on behalf of the Klamath Water Users Association. Testimony concerned Klamath River Basin rates. (2006)

State of Oregon, Water Resources Department, before the Hearing Officer Panel. Testified on behalf of numerous water users (approximately 170,000 acres) “In the Matter of the Determination of the Relative Rights of the Waters of the Klamath River, a Tributary of the Pacific Ocean”. (2004)

California State Water Resources Control Board. Testified on behalf of Natomas Central Mutual Water Company and its Petition for a Temporary Water Transfer of Conserved Water. (1999)

California State Water Resources Control Board (previously the State Water Rights Board hearing leading to Decision 1641). Testified on behalf of water users upstream of the Bay-Delta to address the Water Board’s water quality control plans for the Bay-Delta, and proposed implementation plans involving water rights. This testimony concerned hydrologic issues related to the San Joaquin River Agreement and the Vernalis Adaptive Management Plan (VAMP). (1998)

Sierra County Superior Court involving the Middle Fork Feather River, Decree 3095, dated January 22, 1940. Dispute involving water use and allocation of decreed water rights. (1992)

1984 - 1989

MBK Engineers, Sacramento, CA

Consulting Civil Engineer

Practice in the fields of hydrology, hydraulics, irrigation, drainage, groundwater, water supply, water rights, project feasibility, and related problems.

Licensing of Nevada Irrigation District's appropriative water rights. Included detailed analysis of water use to license 1920 priority appropriative water rights for a complicated water supply system. Involved many sessions with State Water Resources Control Board staff to relate water use analysis to water rights held by the District, including its pre-1914 rights.

Water Right Dispute Settlements. Gathering of factual data to settle water right issues in lieu of legal proceedings.

1979 - 1984 US Geological Survey, Sacramento, CA
Engineer Technician
 Duties included surveying, stream flow measurements, hydrologic basic data collection, and analysis.

CONTINUING EDUCATION SEMINARS and WORKSHOPS

- ◆ Advanced Water Rights in Nevada, Nevada Water Resources Association, 2009.
- ◆ Water Rights in Nevada, Nevada Water Resources Association, 2009
- ◆ Water Right Sales and Transfers, Lorman Continuing Education Services, 2008.
- ◆ Instruct at Lorman Continuing Education Services, "Water Rights Sales and Transfers in California". 2005.
- ◆ USCID Conference, Water Rights and Related Water Supply Issues, Present Published Paper, 2004.
- ◆ Oregon Water Law Seminar, 2003.
- ◆ OWRD, Water Right Examiner Workshop, 2003.
- ◆ Flow Measurement, Control and Monitoring Workshop, USBR, DWR and Cal Poly, San Luis Obispo.
- ◆ Irrigation System Evaluation Short Course, DWR and Cal Poly, San Luis Obispo.
- ◆ California Water Law, University of California Extension, U.C. Davis, 1989.
- ◆ Water Systems Management Workshop, US Bureau of Reclamation, 1988 and 1994.
- ◆ Flood Fight Methods, California Department of Water Resources, 1984