

EDUCATION

- American River College, Sacramento, CA
AA in Math and Science, 1991



PROFESSIONAL LICENSES and SOCIETIES

- Registered Civil Engineer in California, C59041
- Registered Professional Engineer in Oregon, 62730PE
- Certified Water Right Examiner in Oregon, 62730WRE
- Associate Member, American Society of Engineers
- Member, Professional Engineers of Oregon

EXPERIENCE

03/99 - Present MBK Engineers, Sacramento, California

Civil Engineer

Same experience as described below with greater independence and discretion.

04/88 - 03/99 MBK Engineers, Sacramento, California

Engineering Associate and Water Resources Technician

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

Water Rights: Preparation of water right applications and change petitions together with associated maps and related documentation for various project types and sizes. Conduct detailed analysis of water use for the purpose of obtaining water right licenses. Investigation and determination of appropriate, pre-1914 and riparian water rights.

Water Supply: Analysis of water demands for project use, evaporation losses and other factors limiting available water supply. Preparation of reservoir operation studies. Development of procedures for determining capacities, losses and depletions for irrigation districts, watersheds and drainage basins. Design, rating, and supervision of the installation of new, and evaluation of existing, water control structures and measuring devices for both natural and man-made channels. Evaluation of irrigation facilities, including diversion structures, pipelines, and associated works, as well as the review of shop drawings and supervision of construction. Evaluation of impacts of water control and diversion facilities on fish passage. Preparation of water conservation plans and groundwater management plans for compliance with state and federal regulations.

Flood Control: Party chief for surveys of Delta Islands, including the identification of all facilities and inspection of physical characteristics affecting the integrity of the levee system. Preparation of reports for submittal to FEMA. Gather, establish and document data during and after flood events for the purpose of determining flows, water surface elevations and the extent of the associated flooding. Evaluation of methods and costs associated with flood events.

Prior to 1988 MBK Engineers, Sacramento, California
Engineering Aide
Conducted (intermittent) field and hydrographic surveys and related office work.

CONTINUING EDUCATION, SEMINARS and WORKSHOPS

- Water Systems Management Workshop, 1989, U.S. Bureau of Reclamation
- Flood Fight Methods, 1989, California Department of Water Resources
- Irrigation System Evaluation Short Course, 1993, California Department of Water Resources and Cal Poly, San Luis Obispo
- Flow Measurement Control and Monitoring Workshop, 1993, U.S. Bureau of Reclamation, California Department of Water Resources and Cal Poly, San Luis Obispo
- Flow Measurement, Control and Monitoring Workshop, 1995, U.S. Bureau of Reclamation, California Department of Water Resources and Cal Poly, San Luis Obispo
- Water Conservation Coordinator Workshop, 1998, U.S. Bureau of Reclamation, California Department of Water Resources and Cal Poly, San Luis Obispo