Daniel Easton Resume

EDUCATION

- University of California, Davis
  MS in Water Resources Engineering, 1996
- Loyola Marymount University, Los Angeles
  BS in Civil Engineering, 1992

PROFESSIONAL LICENSES and SOCIETIES

- Registered Civil Engineer in California
- Member, American Society of Civil Engineers
- Member, California Water and Environmental Modeling Forum

PROFESSIONAL HISTORY

2007 – present	MBK Engineers, Sacramento, CA Supervising Water Resources Engineer (as of 2010)
2000 – 2006	California Department of Water Resources, Sacramento, CA Associate Water Resources Engineer
1998 – 2000	University of California, Davis, CA Post Graduate Researcher
1996 –1998	University of California, Davis, CA Hydraulics Lab Teaching Assistant
1994 – 1995	Army Corps of Engineers – Hydrologic Engineering Center, Davis, CA Water Resources Engineering Graduate Intern
1992 – 1994	Luft Environmental Consultants, Bakersfield, CA Engineer

PROJECT HISTORY

- CalLite Development – MWH. Provided technical support and project operations expertise in the development of a water resources screening tool for the California State Water Project and Federal Central Valley Project. CalLite provides much of the same functionality as CalSim, the benchmark water supply planning model of the SWP and CVP, but simulates project scenarios in a fraction of the time. CalLite includes all of the key physical, regulatory, and operational constraints as CalSim in order to closely replicate CalSim's operational response to changes in infrastructure, regulations, climate, and development.

- Klamath Project Biological Assessment – USBR KBAO. Coordinated with Klamath Project stakeholders to formulate the 2012 Klamath Project Biological Assessment using the Klamath Basin Planning Model. Interpreted the hydrologic needs of Coho salmon in the Klamath River and listed suckers in Upper Klamath Lake as provided by fisheries biologists into functional operating rules for the Klamath Project that maintained water supply reliability for Klamath Project water users.

- Los Vaqueros Module Enhancement 2 – CCWD. Developed EBMUD integrated operations logic to allow CCWD and EBMUD staff to explore to possibility of a Los Vaqueros Expansion partnership. Integration of EBMUD imports and exports through the Mokelumne Intertie were coordinated with CCWD water supply and water quality operations. Model flexibility was maintained to allow CCWD and EBMUD staff to explore a wide range of alternatives.

- Los Vaqueros Module Enhancement – CCWD. Added a power use and cost analysis component to the Los Vaqueros Module to allow CCWD staff to develop power cost minimization strategies for operation of the CCWD system. Flexibility was incorporated into the Module design to allow CCWD staff to quickly test various operations under different power contracts.

- Los Vaqueros Expansion Project EIR/EIS – ESA. Simulated various LVE alternatives using CalSim II and evaluated operational impacts due to changed Delta diversions and use of the expanded reservoir. Impact metrics included water supply to SWP and CVP contractors and proposed Project partners, salinity of CCWD water supply, Delta outflow, X2, Old and Middle River flow, and CVP and SWP upstream storage.

- SWRCB Flow Criteria – SWC. Performed CalSim II analysis of flow criteria proposals submitted to the SWRCB Flow Criteria Proceedings by the Bay Institute, CSPA, UC Davis, PCFFA, and the California DFG. The CalSim II analysis was used to determine potential water supply, reservoir storage, stream flow and Delta water quality impacts. The study results were presented as testimony to the SWRCB in the Flow Criteria Proceedings. Reviewed SWRCB Draft Flow Criteria and performed detailed analysis of SWRCB's CalSim II simulation of the Draft Flow Criteria.

- Los Vaqueros Module Development for CalSim – ESA. Developed the Los Vaqueros Module (LVM) for modeling of existing Contra Costa Water District (CCWD) operations and Los Vaqueros Expansion Alternatives. LVM was designed to function as a stand-alone model or as an integrated sub-module to CalSim. The module includes complex algorithms for meeting CCWD water supply and water quality targets. Flexibility was incorporated into the LVM design to allow the user to easily change project design and rules of operation.

- San Joaquin River Restoration Program (SJRRP) – MWH. Assessed water supply impacts to Friant Division water users due to Restoration releases from Friant Dam. Also, studied the potential for returning Restoration releases to the Friant Division by way of the CVP and SWP Delta export pumps. The studies were performed in support of the SJRRP Programmatic EIR/EIS.

- Upper San Joaquin River Basin Storage Investigation – MWH. Developed operations analyses for various storage alternatives on the Upper San Joaquin River. The purpose of the analyses was to assess impacts to water supply and downstream flow. The studies were performed to support environmental documentation.