

EDUCATION

- ◆ California State University, Sacramento
MS in Civil Engineering, 2006
- ◆ California State University, Sacramento
BS in Civil Engineering, 2003

PROFESSIONAL LICENSES and SOCIETIES

- ◆ Registered Civil Engineer, California
- ◆ Member, American Society of Civil Engineers



PROFESSIONAL EXPERIENCE

- 2006- Present **MBK Engineers, Sacramento, CA**
Civil Engineer
Conduct hydraulic analyses using one- and two-dimensional hydraulic models in the Sacramento and San Joaquin River Basins.
- 2005-2006 **Jones & Stokes, Sacramento, CA**
Water Resources Engineer
Assist with hydraulic studies involving channel realignment, environmental restoration, and culvert replacement.
- 2004-2005 **Stantec, Sacramento, CA**
Assistant Transportation Engineer
Assist with transportation projects including road and highway improvements and erosion control studies.
- 1995-2004 **GeoTrans, Rancho Cordova, CA**
Engineer Technician
Provide maps of soil and groundwater contaminant concentrations to geologists and hydrogeologists.

MBK PROJECT EXPERIENCE

1-Dimensional Model Hydraulic Analyses

- **Waterside levee fill from levee realignment, power pole foundations, diversion structure, outfall structure, & erosion protection**
- **Base flood elevations for a LOMR**
- **Rapid drawdown for geotechnical design**
- **Simulated levee failures at various locations in the SRFCP**
- **Setback levee alternatives, including partial levee degradation**
- **SRFCP model calibration**

2-Dimensional Model Hydraulic Analyses

- **Pedestrian/bicycle trail and bridge**
- **Levee setback with partial degradation of existing levee**
- **Habitat enhancement & restoration**
- **Removal of the West Sacramento notch from the SRFCP**
- **Base flood elevations for a LOMR**
- **Streambed scouring**