

CAREER OBJECTIVE

Versatile, highly motivated project engineer with public administration, civil engineering, and program management experience for both private and public sector clients, seeking a planning/engineering position in the Boulder/Denver area. Expertise includes:

- *Project / Program Management*
- *Public Review / Coordination Process*
- *Master Planning / Sustainable Design*
- *GIS and Data Management*
- *Construction Engineering Services*
- *Stormwater and Drainage Design*
- *Hydraulic / Hydrology analyses*
- *NPDES / BMP implementation*

PROFESSIONAL REGISTRATIONS

- Colorado Professional Engineer #42762
- New Mexico Professional Engineer #19287

WORK EXPERIENCE

Staff Engineer, WHPacific Inc., Albuquerque, NM

(Dec 2007 – present)

- Assistant Project Manager for a variety of public flood control planning and design projects; prepared reports and implementation plans that enabled the client to prioritize and pursue funding for land acquisition and future stormwater construction projects.
- Built and analyzed hydrology models using the latest HEC-HMS and ArcMap/GIS software.
- Presented technical information to a wide variety of audiences at public meetings; assisted with the public review process; coordinated with consultants, municipalities, local authorities, and civic organizations to collect feedback and produce plans/designs in a timely manner.
- Successfully managed the construction process (meetings, RFIs, pay applications, change orders, and final reports) for two stormwater projects with construction costs exceeding \$1 million; both projects were completed on time and within budget expectations, resulting in increased flood protection for the community.
- Integrated innovative multiple-use amenities into plans and designs to enhance quality of life.
- Supervised a project team including a designer and engineer intern, ensuring cost effective utilization of labor.

Water Conservation Program Administrator, City of Denver, Denver, CO (Dec 2006 – 2007)

- Responsible for the development, design, and implementation of water conservation program activities for the Denver Parks and Recreation Department, resulting in a department-wide increase in the use of water efficient products and practices.
- Managed the \$2.6 million Parks water consumption budget; developed data tracking tools to increase budget/billing efficiency, providing over \$100,000 in cost savings to the department.
- Managed \$300,000 in construction projects for drainage and bluegrass conversion (xeriscape) projects; developed bid solicitations (RFBs); responsible for construction oversight and coordination to ensure timely and cost effective completion of projects.
- Served as a resource and liaison for Parks Administration and Field Staff, other City/County agencies (Greenprint Denver, Denver Water, Environmental Health, Wastewater), as well as civic organizations and the general public.

- Collected and analyzed water use, water quality, and weather data for evaluative purposes.
- Supervised one full-time employee and one part-time intern; provided conflict resolution, staff workload management, training and outreach support.

Surface Water Hydrologist/Engineer, Geomega Inc., Boulder, CO (April 2005 – Nov 2006)

- Responsible for the design and analysis of water impoundment reservoirs; assisted with the development of related water budgets.
- Optimized project workflow, created calculator tools for various steps in H&H analysis.
- Prepared State Engineer’s Office permits related to water rights, water planning, and water use.
- Coordinated field program activities related to the installation of monitoring wells.
- Produced and analyzed hydrology models using ArcView SWAT and HEC-GeoHMS.
- Managed project activities for two Superfund projects with budgets exceeding \$100,000.

Engineer II, Bohannon Huston Inc., Albuquerque, NM (June 2003 – April 2005)

- Participated in public meetings and water measurement field work for the Rio Hondo community, identified water conservation needs and cultural barriers to making improvements, provided irrigation efficiency improvement recommendations.
- Worked closely with the New Mexico State Engineer's Office (SEO) and the Interstate Stream Commission (ISC) on water rights and water conservation related projects.
- Completed a variety of civil engineering projects, including the design of water harvesting facilities, the improvement of small-scale irrigation systems, and the development and analysis of hydrology/hydraulic models; developed project-related budgets, cost estimates, design analysis reports, and contract documents.
- Supervised technicians and student interns on various projects.

EDUCATION

MPA, Columbia University, May 2003

- Master’s in Public Administration in Environmental Science, Policy, and Management
- Studied at Columbia’s Biosphere 2 Research Center in Tucson, AZ

B.S., Agricultural and Biological Engineering, University of Florida, May 2002

- Concentration: Water Resources, Minor in Environmental Studies
- Graduated with Honors

PROFESSIONAL AFFILIATIONS

- American Public Works Association (APWA), Chapter Board Member 2009-2010
 - Presented at APWA’s NM Chapter: “South Diversion Channel Stormwater Quality”
- National Society of Professional Engineers (NSPE), Chapter Board Member, 2009-2010
 - MathCOUNTS Volunteer/Coordinator, 2008-2010
- Society of Women Engineers (SWE), 1998-2007
- Engineering Leadership Circle (ELC), inducted May 2002