

SUMMARY

Mr. Taylor is a licensed Professional Geologist and Certified Hydrogeologist with 10 years of experience in conceptual hydrogeologic model development, water supply planning and exploration, protection of groundwater resources, design of water supply wells, and soil and groundwater contamination investigations. Mr. Taylor has been responsible for a range of projects involving the design and installation of natural and filter-packed water supply wells using an assortment of drilling methods, analysis of aquifer test data, and analytical groundwater flow modeling.

CERTIFICATION

California Professional Geologist No. 8443

California Certified Hydrogeologist No. 915

PROFESSIONAL AFFILIATIONS

National Groundwater Association Member

California Groundwater Association Member

Groundwater Resources Association of California Member

Colorado Groundwater Association Member

Professional Roles & Responsibilities

Hydrogeology

- Groundwater basin management program creation and implementation
- Groundwater quantification and availability research
- Recycled water recharge for reuse
- Hydrogeologic evaluations for water supply planning in areas of diverse and complex geology and hydrogeology
- Production well and wellfield services for design, contracting, construction, and testing in varied aquifers
- Drilling and pumping contractor coordination and oversight
- Aquifer test design, coordination, oversight, and analysis
- Aquifer modeling using analytical and mathematical methods
- Geophysical borehole log interpretation and analysis
- Water quality data analysis for potable, irrigation, and industrial water supply systems
- Groundwater injection studies for the disposal of gas production produced water
- Training and supervision of technical staff for groundwater supply investigations, well construction, and testing

Environmental

- Innovative solutions for soil and groundwater investigations and remediation in complex geological settings
- Wastewater discharge management
- Coordination and execution of tasks associated with on-going soil and groundwater investigations
- Groundwater, surface water, and soil monitoring and sampling
- Borehole logging, soil and groundwater grab sample collection, and well design/construction
- Soil and groundwater remediation system design, installation, start up, operation, and maintenance
- Coordination and supervision of subcontractors retained for the installation of large soil and groundwater remediation systems
- Training and supervision of environmental engineering and sampling technicians

Professional Roles & Responsibilities (*cont'd*)

Erosion and Sediment Control

- Stormwater Management Plan (SWMP/SWPPP) preparation in Colorado and California
- SWMP/SWPPP Federal, State, and local permitting/monitoring requirement training

Paleohydrological Investigations

- On site investigations of Andean Inca and Mesa Verde Pre-Puebloan ruins for assessing ancient engineering, use, and management of water resources
- Photographic documentation of research sites for publication in magazines and books, including a publication in South American Explorer magazine

PROFESSIONAL EXPERIENCE

- 11/07 to Present Senior Hydrogeologist
Todd Engineers
Water Resources Engineering
2490 Mariner Square Loop, Suite 215
Alameda, California 94501
www.toddengineers.com
- 4/04 to 10/07 Hydrogeologist
Wright Water Engineers, Inc.
Water Resources Engineering
2490 West 26th Avenue, Suite 100A
Denver, Colorado 80211
www.wrightwater.com
- 12/99 to 10/03 Staff Geologist
Weber, Hayes and Associates
Hydrogeology and Environmental Engineering
120 Westgare Drive
Watsonville, California 95076
www.weber-hayes.com

EDUCATION

- 1995 – 1999 Bachelor of Sciences - Earth Sciences, Emphasis in Hydrogeology
University of California, Santa Cruz

COMPUTER / SOFTWARE SKILLS

Well developed graphic presentation and data analysis abilities using Microsoft Office (Word, Excel, PowerPoint, etc.), Arc Map and Arc Scene, Adobe Creative Suite (Photoshop, InDesign, Illustrator, Premier, etc.), Sketch Up, Aquifer Win32 (analytical model and aquifer analysis software), limited experience with Groundwater Vistas (numerical modelling MODFlow software) and Visual Modflow