

## Associate Civil/Hydraulic Engineer

**Michael Love & Associates, Inc.** (MLA) is seeking to fill a position for a civil/hydraulic/fish passage engineer to assist with engineering design of stream and estuary habitat restoration and fish passage improvement projects throughout California.

MLA is a small company founded in 1999 and located in Arcata, California. MLA specializes in engineering analysis and design to support watershed restoration and aquatic species management. MLA is dedicated to providing high quality services and products to our clients and community to support environmentally beneficial projects. We work extensively on projects involving stream and estuary restoration, passage and protection of fish and other aquatic organisms, river hydraulics, watershed hydrology, and fluvial geomorphology. MLA is experienced with taking projects from concept to completion. Our services include topographic and geomorphic mapping, developing complete engineering design plans and specifications, and providing construction management and support. We work extensively with both non-profit and for-profit organizations, and with numerous Federal, state and municipal agencies.

MLA is committed to providing and maintaining a professional organization and work environment for all employees. Professional growth is supported and encouraged for all staff through trainings, conferences, and other educational opportunities, and through collaboration with the universities and professional organizations.

### **Job Description**

Working under the supervision and mentoring of MLA's project managers and Principal Engineer, the Associate Engineer will assist with all aspects of project development. Activities associated with this position include:

- Topographic surveying
- Field characterization of fluvial geomorphic features and channel substrate
- Drafting construction drawings in AutoCAD Civil 3D
- Design of road stream crossings to support aquatic organism passage
- Hydraulic modeling (1-D and 2-D) and evaluation of sediment transport
- Development of roughened channels and other types of fishways
- Force-base calculations for in-stream large wood structures
- Installing and maintaining water level and water quality loggers
- Streamflow measurements
- Spatial analysis and creation of figures in GIS (using QGIS)
- Development and manipulations of surfaces/DEMs
- Compiling quantities for cost estimating
- Writing and reviewing technical documents

**Required Qualifications, Skills and Abilities:**

- Bachelor's degree in civil or environmental engineering
- An Engineer-in-Training Certificate or License in Civil Engineering from California (or other state with willingness to obtain licensing in California)
- Minimum of 18 months experience working in an entry level engineering position or better
- Enthusiastic about working in riverine and estuarine environments
- Experience with preparing engineering plans in AutoCAD Civil 3D
- Strong verbal and written communication skills
- Ability to work independently as well as collaboratively
- Ability to travel for field work, meetings, and construction oversight
- Ability to conduct strenuous field work in and around bodies of water and steep terrain
- Attention to detail and good organizational skills
- Current driver's license and safe driving record

**Position Details**

This is a full-time position. Out-of-town work is intermittently required (primarily Northern California). Benefits include paid time off and sick leave, six paid holidays per year, Company contributions to a SIMPLE IRA retirement account, and health and dental insurance plans. Salary commensurate with qualifications and experience.

**To Apply:**

Please send cover letter and resume to: [info@h2odesigns.com](mailto:info@h2odesigns.com), and write "Associate Civil/Hydraulic Engineer" in the subject line.

Position will remain open until filled

See our website for more information about MLA, our projects and clients:  
<http://h2odesigns.com>