



PACIFIC WATERSHED ASSOCIATES INC. (PWA)

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www.pacificwatershed.com

Environmental / Civil Engineer

PWA is seeking a licensed Environmental / Civil Engineer to serve as a member of our cross-disciplinary team performing watershed restoration planning, design, and construction projects throughout northern and central California.

PWA is a full service geologic and engineering consulting firm with offices in Humboldt and Sonoma counties. PWA specializes in science-based management solutions for the protection and restoration of watershed, forest, riverine, and coastal habitats, as well as rural development projects. Established in 1989, PWA includes a staff of 35 full-time geologists, engineers, geomorphologists, hydrologists, stormwater specialists, watershed scientists, biologists, and associated support personnel. PWA is committed to providing and maintaining a professional organization and environment for all our employees. Our aim is to continue to grow our established organization, and further develop our engineering capabilities, by working collaboratively with a common purpose and vision to provide the very best services to our clients and our community, and to conduct progressive, environmentally beneficial projects.

Working in collaboration with PWA Principals, Senior Scientists, and Project Managers, the Environmental / Civil Engineer will develop, design, and oversee construction of watershed restoration, water resources, water quality, transportation, and rural development projects.

Typical Projects Include

- In-stream and off-channel aquatic habitat restoration and enhancement projects, particularly for imperiled salmonids
- Rural excavation and grading plans, erosion control plans, and site remediation designs
- Engineering soils reports and drainage plans
- Hillslope, embankment, and stream channel stability assessments, designs and repairs
- Ponds, reservoirs, and water catchment facility design
- Low impact development designs and stormwater engineering
- Bridges, culverts, and other stream crossing designs for rural roads

Typical Responsibilities

- Assists Senior Engineer and other Engineering staff, Project Managers, and PWA professionals with civil and environmental engineering projects
- Develops engineering designs per applicable standards, calculates engineering quantities, and prepares construction cost estimates and specifications
- Manages and inspects construction projects to verify contractor performance and adherence to engineering contract specifications; provides in-field design changes during construction
- Conducts hydraulic and CAD modeling and in-field feasibility review
- Performs and assists in soil and groundwater investigations, and topographic surveying
- Reviews designs, plans, specifications, and estimates for completeness and accuracy
- Authors and reviews technical documents, including basis of design reports

- Provides engineering-related assistance for preparation of grant funding applications, including permitting, engineering scope of work, budget estimates, and other planning documents.

Required Qualifications

- **Licensure** as a California Professional Civil Engineer (CA PE)
- BS or MS in engineering or physical sciences
- 4+ years of applied engineering work experience
- A passion for watershed/environmental conservation and restoration

Required Skills, Abilities and Experience

- Experience with AutoCAD Civil 3D
- Preparation of design reports, construction plans, and contract specifications
- Total station surveying for topography and AutoCAD project designs
- Proficient in Microsoft Office Suite (Word, Excel, and PowerPoint)
- High level of organizational skills; strong verbal and written communicator
- Ability to work independently, yet collaborates well with project team members
- Self-starter that takes initiative, demonstrates a positive attitude, and acts as a constructive and supportive team player
- Flexible with changing workload, timelines, and project requirements
- Ability to occasionally work and hike on steep, uneven terrain in inclement weather
- Current driver's license and safe driving record

Preferred Skills and Abilities

- 1-D stream and floodplain hydraulic modeling experience including HEC-RAS
- Stormwater projects, grading, and construction inspection and oversight
- Rural road upgrading, including engineered road drainage and stream crossing designs
- Designs for on-site wastewater treatment systems (OWTS) and rural water supply systems

Position Details

- Full-time salaried position
- Position available at the McKinleyville or Petaluma, California offices
- Reimbursement for relocation expenses negotiable
- Out-of-town work intermittently required (primarily northern and central California)
- Benefits including paid time off, 401(k), term life insurance, and health insurance
- Salary commensurate with qualifications and experience

How to Apply

- Please send a cover letter, including description of work experience, requested salary range, and examples of past work (e.g., design drawings), and resume to: careers@pacificwatershed.com
- Please write "Environmental / Civil Engineer" in the subject line.
- Resumes without a cover letter will not be considered.
- Position will remain open until filled.

PWA is an equal opportunity employer. See our website for more information about the organization: www.pacificwatershed.com.