



PACIFIC WATERSHED ASSOCIATES INC. (PWA)

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www.pacificwatershed.com

Water Resources / Civil Engineer

PWA is seeking a Water Resources / Civil Engineer (Licensed Civil PE) to serve as a member of our cross-disciplinary team performing environmental restoration and rural planning, design, and construction projects throughout northern and central California. The Water Resources / Civil Engineer will develop, design, and oversee construction of stream habitat restoration, water resources, water quality, transportation, and rural development projects.

PWA is a full service geologic and engineering consulting firm with offices in Humboldt and Sonoma counties of northern California. 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. PWA includes a staff of 35 full-time geologists, engineers, geomorphologists, hydrologists, stormwater specialists, watershed scientists, biologists, technicians, and associated support personnel. PWA is committed to providing and maintaining a professional organization and environment for all our employees, as well as supporting individual professional development and work-life balance. 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.

Typical Projects Include

- In-stream and off-channel fish habitat restoration and enhancement projects, particularly for imperiled salmonids
- Hillslope, embankment, and stream channel stability assessment/designs and repairs
- Culvert replacement, roughened channel, stream simulation, and other fish passage designs
- Bridge, culvert, and other stream crossing designs for rural roads
- Rural excavation and grading plans, erosion control plans, and site remediation designs
- Engineering soils reports and drainage plans
- Ponds, reservoirs, and water catchment facility design
- Low impact development designs and stormwater engineering

Key Responsibilities

- Designs water resources engineering projects to enhance and restore anadromous fish habitat
- Prepares plans, specifications, basis of design reports, and engineer's estimates (PS&E)
- Performs construction management and project inspection
- Performs/oversees topographic surveying, hydraulic modeling, and in-field feasibility review
- Assists project managers and staff scientists requiring civil and environmental engineering
- Oversees and mentors staff engineers and engineers-in-training
- Conducts engineering project management, tracking, and budgeting
- Performs and assists in soil and groundwater investigations
- 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, permitting, and other planning documents

Required Qualifications

- **Licensure** as a California Professional Civil Engineer (CA PE), or if licensed outside of California, attainment of CA PE license within 6 months
- 4+ years of post-licensure experience as a water resources engineer
- BS or MS in engineering or physical sciences
- A passion for watershed, fisheries, and ecological restoration

Required Skills, Abilities, and Experience

- Demonstrated experience with AutoCAD Civil 3D
- 1-D HEC-RAS hydraulic modeling of channels and floodplains
- Total station surveying for topography, modeling, and AutoCAD project designs
- Demonstrated design experience for in-stream and off-channel fish habitat restoration projects
- Preparation of design reports, construction plans, and contract specifications
- Hydraulic modeling, stormwater projects, grading, and construction inspection/oversight
- Proficient in Microsoft Office Suite (Word, Excel, and PowerPoint)
- High level of organizational skills, as well as strong verbal and written communication skills
- Works independently and collaboratively; self-starter as a supportive leader, mentor, and team player
- Ability to occasionally work and hike on steep, uneven terrain in inclement weather

Preferred Skills and Abilities

- 2-D HEC-RAS hydraulic modeling
- Large Woody Material (LWM) analysis and design for improving stream channel habitat
- Biotechnical stream bank stabilization and restoration techniques
- Process-based river and stream channel geomorphic analysis and restoration design
- Management and oversight of small to large scale projects including scope development, budgeting, timeline, and task management
- Stormwater projects, grading, and construction inspection and oversight

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 include 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
- Write "Water Resources / 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.