



PACIFIC WATERSHED ASSOCIATES INC. (PWA)

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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. Working in collaboration with an interdisciplinary team 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 watershed, forest, riverine and coastal habitats as well as rural development projects. PWA includes a staff of 40 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 working 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
- Rural excavation and grading plans, erosion control plans and site remediation designs
- Engineering soils reports and drainage plans
- Hillslope, embankment, and stream channel stability assessment/designs and repairs
- Ponds, reservoirs, and water catchment facility design
- Low impact development designs and stormwater engineering
- Culvert replacement, roughened channel, stream simulation, & other fish passage designs
- Bridge, culvert and other stream crossing designs for rural roads

Key Responsibilities:

- Designs water resources engineering projects to enhance & restore anadromous fish habitat
- Hydraulic modeling & in-field feasibility review
- Assists Project Managers & staff scientists requiring civil & environmental engineering
- Engineering project management, tracking, and budgeting
- Develops engineering designs per applicable design standards, engineering computations for design, calculation of quantities, construction cost estimates and specifications
- Performs and assists in soil and groundwater investigations
- Construction management and project inspection
- Topographic surveying
- Reviews designs, plans, specifications, and estimates for completeness and accuracy
- Authoring/reviewing technical documents, including basis of design reports

- Helps to prepare applications/proposals for funding, permits, and other planning documents

Required Qualifications

- **Licensure** as a California Civil Engineer (CA PE) , or if licensed outside of CA, 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 instream and off-channel fish habitat
- 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, PowerPoint)
- High level of organizational skills
- Strong verbal and written communicator
- Ability to work independently and collaboratively; positive attitude/team player
- Ability to occasionally work and hike on steep, uneven terrain in inclement weather
- Ability to intermittently travel as needed (primarily in northern and central California)

Preferred Skills and Abilities:

- 2-D hydraulic modeling
- Large wood analysis and LWM design for improving stream channel habitat
- Biotechnical stream bank stabilization and restoration techniques
- Process based river and stream channel design and analysis
- 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, CA or Petaluma, CA offices
- 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 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.