



JOB ADVERTISEMENT

Job Title: Geomorphologist or Watershed Scientist (Mid-Level)

Company: Wolf Water Resources, Inc., located in Portland, Oregon

Minimum Qualifications: BS or MS degree in geology, hydrology, or watershed science (or related field); 5-10 years of professional experience; and registered as a professional geologist or similar.

Summary: Join a growing team of river scientists and engineers working to build river health and resilience throughout the western United States and world. The position affords expansive opportunity to learn and grow as a watershed science practitioner, working with diversity of physical environments (from sediment rich glacial and volcanic rivers to fine cohesive mud-based stream systems), human environments (urban to wilderness), regulatory drivers, and stakeholders. This position will involve work on this existing diversity of projects and also brings opportunity to pursue work in new areas of water resources and watershed management.

The candidate needs to have a passion for applying and communicating science in creative pursuit of improved watershed and environmental health; therefore, excellent communication skills coupled with a passion for scientific and environmental issues are critical. The ideal candidate will have the required educational background and multiple years of experience in a professional setting applying those principles. That experience must include project management, external work with diverse stakeholders and partners, and internal work with dynamic teams.

The position will serve as a project manager on river restoration design and assessment, channel migration zone studies, watershed planning studies, sediment budgets, hydromodification studies, and risk assessments (amongst others). Desired technical skills include GIS mapping and analysis, geologic map reading and interpretation, field mapping and interpretation, development of basic numerical models (including basic computer programming skills), hydrologic analysis, and sediment transport analysis.

Diversity, Equity, and Inclusion

Wolf Water Resources encourages applicants of all races, creeds, sexual orientations, backgrounds, and personal viewpoints. We are actively trying to support underrepresented groups in the water resources and restoration communities.

Duties, Functions, and Responsibilities

Essential duties, functions, and responsibilities include the following (other duties may be assigned):

- Think autonomously and work collaboratively to build creative solutions to land and watershed management challenges. Consider the broader context to address technical problems.
- Possess excellent written and oral communication to support understanding of complex information amongst broad teams and stakeholders.
- Work with a high degree of practical and theoretical knowledge of fluvial geomorphology and watershed hydrology (estuarine geomorphology, a plus).
- Develop project schedules and budgets; manage schedule and budget of small- to medium-sized projects; communicate strategically to clients and project partners.
- Work outdoors, when needed, in various environmental and challenging conditions to collect samples and geomorphic data or to conduct investigations on land and water.
- Assess evolution of streams, rivers, and floodplains using standard and non-standard methods or practices.
- Map, graph, and accurately display results of investigations in ArcGIS suite and other platforms.
- Use databases and computer software to log data collected from investigation sites.
- Produce detailed presentations of project work and present to company management, governments, clients, or stakeholders.

Supervisory Responsibilities

- Conduct project management responsibilities in accordance with the organization's policies and applicable laws.
- Ensure work is conducted safely and team members use proper personal protective equipment.
- Oversee several work sites and travel extensively, when needed, to and from project sites.

Competencies

- *Technical* - Knowledge of geomorphic/hydrologic principles and ability to apply such principles in solving applied problems relating to sediment supply and transport, channel migration, bank erosion, and floodplain processes.
- *Project Management* – Manages project scopes, schedules, and budgets in an efficient and tactical manner. Partners closely with clients to meet project needs. Effectively communicates with internal and external team members
- *Attentiveness and Efficiency* - Task budget, scope, and schedule responsibility
- *Problem Solving* - Identifies and resolves problems in a timely manner; gathers and analyzes information efficiently and skillfully; develops alternative solutions when needed.
- *Communication with internal team, subconsultants, and clients* - Listens and receives clarification; responds well to questions; actively participates in meetings; responsive to client and subconsultant communications. Writes clearly and informatively and varies writing style to meet needs. Presents technical data effectively.

- *Quality Management* - Improves processes, products, and services; demonstrates accuracy and thoroughness; monitors own work to ensure quality.
- *Judgment* - Exhibits sound and accurate judgment; explains rationale for decisions; makes timely decisions; applies principles of logical or scientific thinking to a wide range of intellectual and practical problems; applies advanced mathematical concepts in both analysis and problem solving; able to deal with nonverbal symbolism (formulas, scientific equations, graphs, musical notes, etc.); able to deal with a variety of abstract and concrete variables.
- *Adaptability* - Able to deal with frequent change, delays, or unexpected events in the work environment.
- *Computer Skills* – Has knowledge of and experience using database, GIS mapping, design, internet, spreadsheet, hydrologic and hydraulic modeling, and word processing software.
- *Language* - Effectively reads, analyzes, and interprets common scientific and technical journals, financial reports, and legal documents; able to write presentations and articles for publication.
- *Business Development* – Is comfortable and interested in building relationships with new and existing clients, tracking potential project opportunities, developing scopes of work and fee estimates, and working with marketing staff to prepare proposals for new projects.

Work Environment

The work environment characteristics described here are representative of those encountered while performing the essential duties and functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential duties and functions.

While performing the duties of this job, the employee is frequently exposed to weather and outdoor conditions. Limited field work is required. The employee should be comfortable in the outdoors and able to hike in rough conditions. The employee is occasionally exposed to wet and/or humid conditions; unstable ground; hillslope environments; and extreme cold and extreme heat. The noise level in the work environment is usually moderate.

While performing the duties and functions of this job, the employee is regularly required to stand, walk, sit, and use hands to finger, handle, or feel. The employee is also regularly required to orally communicate and hear communications from others with outdoors or indoors. The employee is occasionally required to reach with hands and arms; climb or balance; stoop, kneel, crouch, or crawl; and taste or smell. The employee must occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

Remote work options will be considered.

Wolf Water Resources supports a flexible work schedule and environment.

To apply

Send cover letter and resume to nlegg@wolfwaterresources.com.