



Job Advertisement:

HYDRAULIC/ HYDROLOGIC MODELING SPECIALIST

COMPANY:

Wolf Water Resources, Inc.

LOCATION:

Portland, Oregon

SCHEDULE:

Full-time

EMPLOYMENT STATUS:

Regular

Position Summary

W2r is seeking a hydraulic/ hydrologic modeling specialist to join our team in Portland, Oregon. This position will support a wide range of projects from watershed studies, to river and floodplain restoration design, to hydromodification/ stormwater analysis, to bridge and culvert replacement design. Please carefully review the required qualifications below and prepare a thoughtful cover letter to describe your interest in the position and desire to become an integral member of our team.

ESSENTIAL QUALIFICATIONS:

- BS in engineering or related field (civil/water resources engineering, ecological engineering, hydrologic science).
- 5-10 years of experience is desired.
- Excellent technical writing and communication skills.
- Experience developing 1D and 2D hydraulic models, watershed models, and stormwater models.
- Required experience using HEC-RAS and SRH-2D.
- Desired familiarity with SMS, DELFT3D, HEC-HMS, HSPF, or similar models.
- CADD design experience and GIS familiarity are desirable.
- Possess a valid State Driver's license (occasional travel may be needed for project visits or in-person meetings).

DUTIES AND RESPONSIBILITIES:

- Advise on and lead modeling analyses and collaborate with project team members (internally and with subconsultant partners) of various technical disciplines.
- Bring knowledge of agency standards to your project work, such as state DOT hydraulic design standards, state and/or federal fish passage standards.
- Perform no-rise analyses, existing and proposed conditions hydraulic modeling, and modeling support for stream restoration designs (streambed rock, large woody material, etc.).

ABOUT W2R:

Do you appreciate ecological uplift and recognize how project work can also benefit people?

Wolf Water Resources (W2r) specializes in watershed science and engineering to build landscape resiliency for fish, wildlife, and people. Our work takes place in the rivers, floodplains, and wetlands within urban areas and remote wilderness. By *working with nature and partnering with people*, we recognize how we work is as important as what we do.

CORE VALUES:

W2r strives to be known as a place where people can authentically engage in work that uplifts nature and humanity. Meaningful career advancement within our company is built on continual learning and innovation as a team, rather than conventional hierarchies or a career ladder. We learn from each other's perspectives and share our knowledge with our client and consultant community.

COMMITMENT TO EQUITY:

While work in the water and natural resources fields has been built around protecting and preserving nature, it has not always protected or accepted all people. Wolf Water Resources is diligently working towards more diverse collaborations in our industry. This is a vital and ongoing effort, and W2r encourages job applicants of all races, creeds, sexual orientations, backgrounds, and personal viewpoints.

- Contribute to floodplain design analyses such relative elevations/ geomorphic grade lines/ streampower evaluations, habitat suitability indices, and other multidisciplinary analyses.
- Inform the development of scopes of work and fee estimates and work for modeling-related project tasks.

Work Environment

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

- It is expected that W2r staff perform field work (e.g., during early project stages through the construction phase). The candidate should be comfortable outdoors and able to hike and carry equipment in a variety of weather and terrain conditions (e.g., wet and/ or humid conditions, snow or ice conditions, unstable ground, hillslope environments, and extreme cold or heat).
- The employee must be able to lift 50 pounds.
- The noise level in the work environment is usually moderate.
- Periodic travel to project sites and other consultant offices may be required including the geographic range of Oregon, Washington, Idaho, Montana, Alaska, and California.
- Remote work options will be considered. Residing in Portland, Oregon is not required but is preferred.

To apply

Please email your resume and cover letter to Curtis Loeb (cloeb@wolfwaterresources.com).