



River Restoration Engineer

Position Description:

River Design Group, Inc. (RDG) is seeking experienced River Restoration Engineers to work in our Corvallis, Oregon and Whitefish, Montana offices. RDG is an interdisciplinary water resources consulting firm that focuses on the analysis, design and implementation of river, floodplain, and wetland restoration projects throughout the Western U.S. The ideal candidate will possess a strong technical skill set in the field of water resources engineering with a demonstrated background in the application of engineering methods to river, wetland and floodplain restoration projects. This position will be responsible for both field and office work on a wide array of river, wetland and floodplain restoration projects across the Western U.S.

Visit RDG's website at www.riverdesigngroup.com to learn more about our people, projects and services.

Desired Qualifications:

- B.S. degree in Civil/ Water Resources Engineering, M.S. preferred.
- EIT or PE registration and at least two years of related engineering experience. Education with direct, applied classwork in Engineering can be substituted for job experience.

Responsibilities:

- Complete field work in support of river morphology assessments, river/floodplain restoration design, and restoration project effectiveness monitoring including surveying, data collection and reconnaissance to document geomorphic conditions.
- Process field data and produce summary maps and reports.
- Analyze a diverse range of water resources data including: watersheds, floodplains, channels, reservoirs, and hydraulic structures using geospatial tools, numerical models, and applied statistics.
- Apply engineering principles, sound judgment, experience and innovation to accurately execute assigned technical tasks and prepare detailed supporting documentation.
- Participate in the design of river restoration and floodplain projects by working collaboratively with an interdisciplinary design team consisting of engineers, geomorphologists, ecologists, modelers and project managers.
- Develop AutoCAD Civil 3D plan set packages and design reports.
- Provide construction oversight for project implementation including survey staking, design layout, design compliance and correspondence with construction contractors.

Skill Requirements:

- Excellent oral communication, technical writing and problem-solving skills.
- Demonstrated proficiency in hydrologic, hydraulic, and statistical methods.
- Competency with hydraulic modeling software, including the USACE HEC suite.
- Excellent data management skills including fluency with Microsoft Excel and Access.
- Robust data processing skills including experience with MATLAB or equivalent.
- Ability to manage restoration projects and delegate work to colleagues.
- Experience with CAD/GIS software such as Autodesk Civil3D or ESRI ArcDesktop.

Additional Qualifications:

- Knowledge of fluvial geomorphology, river mechanics, and sediment transport.
- Applied programming experience for data processing such as: Visual Basic, Python, or R.
- Experience with multi-dimensional riverine or CFD modeling software.
- Field surveying experience utilizing both GPS and total station techniques.
- Ability to travel out of town overnight and work in a wide range of field conditions.

This position is a full-time position with a typical 40-hour work week. Pay will be established based on qualifications and experience. RDG is an equal opportunity employer and offers a competitive compensation package including employer-paid medical and dental insurance, a 401K retirement plan with match, paid time off, and paid holidays.

For consideration, please email a cover letter and resume to: info@riverdesigngroup.com.

Position open until filled.