

RiverRestoration is seeking a motivated individual to join our team of river engineers and watershed scientist at our Carbondale, Colorado or Salt Lake City, Utah office. At RiverRestoration we approach our designs with a river-centric perspective. Our work relates to a direct improvement in the social, economic, and environmental/ecological values of a healthy river. RiverRestoration employees take pride in this perspective, convey the benefits of this perspective to clients, and encourage others to develop this perspective.

Job Description

As a River Engineer with River Restoration, you will play a key role in the design and implementation of high-quality river projects throughout Colorado, Utah, and the Intermountain Region as well as supporting projects nationwide. The position will be responsible for the planning, survey, hydraulic analysis, design, permitting, contracting, and implementation of projects at a variety of scales and levels of complexity. Project work will include stream channel restoration, fish passage and aquatic habitat, bank stabilization, bioengineering, floodplain reconnection, and recreational whitewater features. Hydrographic survey and field work may be an extensive part of the monthly workload, including trips to remote locations. Clients include municipalities, state and federal agencies, and non-profit organizations. You will work with our team of river experts to improve rivers and create lasting projects that make a sustainable difference for rivers and communities across the region and the country.

Duties and Responsibilities -

- Develop hydraulic based designs for river and habitat restoration, fish passage structures, bank protection, whitewater recreation, irrigation diversions and other river-oriented projects.
- Use hydraulic modeling and sediment transport software to support design of river and stream projects.
- Prepare design plans, specifications and cost estimates for river and stream projects.
- Author technical reports communicating project details, including alternatives analysis, hydrology, hydraulics, sediment transport, and channel stability.
- Present projects at different stages of development to clients, stakeholders, and the public.
- Perform channel surveys using standard survey equipment, either by wading or from watercraft under sometimes challenging site conditions.
- Provide construction oversight and field engineering on a variety of projects.
- Participate in marketing efforts, including project/client development and responding to RFPs.

Desired Qualifications -

- At least three years of progressive engineering experience working on stream and river projects.
- Strong understanding of hydrologic/hydraulic principles, including river function, erosion, scour, and sediment transport.
- Experience with one- and multi-dimensional hydraulic modeling software such as HEC-RAS and SRH-2D.
- Experience designing and producing construction documents for in-stream projects.
 - Proficiency with AutoCAD Civil 3D for creating construction plan sets, exhibits, generating hydraulic modeling surfaces, and calculating quantities.
 - Experience with GIS software such as ArcMap, QGIS, and Global Mapper is preferred.
- Experience with field reconnaissance and site assessment for river and stream projects.
 - Experience with the use of survey grade GPS or total station survey equipment is preferred.
- Bachelor's in civil engineering, environmental sciences, or closely related field.
 - Master's in water resources engineering, hydraulics engineering, or related field is preferred.
- Current Engineer-In-Training (Engineering Intern) or Professional Engineer (PE) certification.

Come join our team of passionate river stewards and work on interesting and challenging river projects throughout the United States. To apply, please email a cover letter and resume to career@riverrestoration.org with "River Engineer Applicant 2022" in the subject line.