



River or Hydraulics Engineer at RiverRestoration.org - *Making Rivers Better Places*

River Restoration is looking for a dedicated **River or Hydraulics Engineer** with professional licensing in Utah, Idaho, Wyoming, or Colorado to join the team in **Salt Lake City, UT**. The position will be a vital component of our Great Basin team, continuing the high level of success we have achieved both in the Intermountain Region and Nationally. At RiverRestoration, we base our designs on a river-centric perspective. Our work relates to a direct improvement in the social, economic and environmental, and ecological values of a healthy river. RiverRestoration employees take pride in this perspective, convey the benefits of this perspective to clients, and encourage others in the office 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 Utah and the Intermountain Region as well as support projects nationwide. The position will be responsible for planning, survey, 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, bank stabilization, bioengineering, and the reconnection of floodplains to benefit aquatic and riparian species. Additionally, a portion of our projects focus on whitewater recreation infrastructure, so familiarity with water-based sports such as whitewater kayaking, SUP, and rafting will be preferred. Clients include municipalities, agencies, and non-profits working to improve rivers across the region. Working with our team of river experts based in Salt Lake City, Carbondale, CO and Jackson, WY, you will play a key role in improving rivers and creating lasting projects that make a sustainable difference for rivers and communities across the region.

Key Responsibilities

- Prepare design plans, specifications and cost estimates for river and stream projects.
- Develop hydraulic based designs for river and habitat restoration, fish passage structures, grade control structures, bank protection, scour protection, whitewater recreation, irrigation diversions and other stream- and river-oriented projects.
- Author technical reports communicating project details, including alternatives analysis, hydrology, hydraulics, sediment transport, and channel stability.
- Perform and manage river design, sediment and hydraulic analysis tasks and modeling to support river designs.
- Perform project management duties, including: managing clients, tracking budgets and schedule, assigning tasks to staff members and managing work flow.
- Perform channel surveys using standard survey equipment, possibly from watercraft or under difficult site conditions.
- Provide construction oversight and field engineering on a variety of projects.
- Support development of project proposals, including developing design budgets, project schedules and scopes of work.
- Provide training and mentorship for EITs.

Minimum Qualifications:

- Bachelor's Degree in Engineering, Fluvial Geomorphology, Geology, or related focus.
- 4+ years of experience evaluating, designing, and leading river restoration projects.
- Proficient in the use of AutoCAD Civil 3D for design and plan set production.
- Experienced with using one- and two-dimensional hydrologic modeling tools for design of river and stream projects.



- Self-starter able to work independently.
- A passion the river environment.

Preferred Skills/Experience:

- Post Graduate Degree in Civil Engineering, Fluvial Geomorphology or related field.
- 8+ years of experience designing, analyzing, and leading river, stream and habitat restoration projects as a licensed PE.
- Licensed Professional Engineer (PE) in the state of Utah or be able to obtain such license within 90 days of hire.
- Proficient with ArcGIS software.
- Proven project management experience.
- Working background in a number of the following areas: open channel hydraulics and environmental river mechanics, sediment transport analysis, fluvial geomorphology, hydraulic structures, hydrology, civil design, project and construction management, and site survey
- Established professional network.

Ideal candidate will have a Masters in hydraulics/water resources engineering and eight to fifteen years of progressive engineering consulting experience working on and managing stream and river projects, including field work using survey equipment and performing construction observations and inspections.

At RiverRestoration we have a strong culture and our staff is:

- Highly competent with strong backgrounds in science and applied real world experience
- Highly productive with the ability to efficiently create valuable work products
- Passionate about healthy rivers
- Dedicated with a strong sense of loyalty to workmates
- Confident, outgoing, and communicative

To apply, please email a cover letter and resume to career@riverrestoration.org with “River Engineer Applicant” in the subject line.