



River Engineer/ Fluvial Geomorphologist – *Making Rivers Better Places*

River Restoration is looking for a dedicated **River Engineer/ Fluvial Geomorphologist** to join its team in **Salt Lake City, UT**. This position is a vital component of our team to maintain the high level of success we have achieved in the Intermountain Region and Nationally. The River Engineer/ Fluvial Geomorphologist will be responsible for the conceptualization, design, evaluation, and implementation of stream and river projects across the region.

The ideal candidate will serve as project manager and primary contact with clients and will manage projects from planning and concepts through implementation and operations. River Restoration's impact is comprehensive and goes beyond just fixing rivers to enhancing the river's central, unifying position in the community. We have developed a significant track record of success and hope to bring on another top performer to meet our mission of *Making Rivers Better Places*.

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 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 in the use of ArcGIS.
- Experience working on river and habitat restoration projects.
- 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.

Job Description

As a River Engineer/ Fluvial Geomorphologist 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. This person 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. The best candidate will provide top-quality design and technical expertise as part of a small team of elite professionals based in Salt Lake City, Utah



and Carbondale, CO. Clients include municipalities, agencies, and non-profits working to improve rivers across the region. Working with our team of river experts, 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.

At River Restoration we're more than just passionate about rivers, we are dedicated to building communities around rivers. We endeavor to design from a river centric perspective. Every design or recommendation relates to a direct improvement in the social, economic, AND environmental values of a healthy river.