

**Fisheries Biologist and Aquatic Ecologist Position Available at Applied River Sciences
Arcata, CA or Reno, NV office**

February 2024

Applied River Sciences (formerly McBain Associates) is seeking a highly motivated Fisheries Biologist/Aquatic Ecologist experienced with instream flow studies, restoration design and evaluation, analysis and collection of fisheries and ecological data, and technical writing. The ideal candidate will have a strong academic and professional background in fisheries biology, aquatic ecology, and watershed management, with a focus on regulated rivers in the Western United States and salmonids. The individual will work closely with the Applied River Sciences fish and aquatic ecology staff and will also collaboratively work with Applied River Sciences engineers, hydrologists, riparian botanists, and geomorphologists to develop and implement effective strategies for river restoration, fisheries management, and instream flow assessments. The selected candidate should be a self-starter, problem solver, and be comfortable working independently.

Applied River Sciences is a professional consulting corporation applying fluvial geomorphic and ecological research to aquatic ecosystem preservation, management, and restoration. Our company has 20 employees with offices in Arcata, CA and Reno, NV. For over 29 years, we have provided our clients with solutions to highly complex environmental problems in aquatic ecosystems using objective and clear science, in a timely and efficient manner. Our primary interests are: (1) maintaining, or attaining, river ecosystem health in regulated rivers; (2) assessing impacts of land use activities on stream ecosystems, and (3) recommending management strategies that improve those ecosystems. Applied River Sciences provides a variety of services in hydrology, fluvial geomorphology and fisheries, aquatic, and riparian ecology, as well as GIS, AutoCAD, and statistical analyses. We have a broad client base that includes state and federal agencies, Native American tribes, non-profit organizations, utility companies, water districts, and private consulting firms.

Position duties and responsibilities will include:

- Leading field data collection efforts that support instream flow assessments.
- Leading field efforts for fish snorkel data, benthic macroinvertebrate collections, electrofishing, and sonar camera operations.
- Lead field collection efforts that will support habitat restoration projects: such as fish habitat mapping, spawning gravel mapping, and redd surveys.
- Analyzing relationships between streamflow, water temperature, dissolved oxygen, ecological responses, and other environmental parameters.
- Developing, calibrating, and validating fish productivity models, including flow-habitat models, life-cycle models, and individual-based fish models.
- Supporting habitat restoration design from a fisheries and aquatic ecology perspective.
- Collaborating with interdisciplinary teams of scientists, engineers, and other professionals to develop river corridor management plans and habitat restoration designs.
- Communicating effectively with internal and external team members to coordinate project activities and ensure project objectives are met.
- Communicating complex ideas to a diverse stakeholder base and clients, including public speaking, technical writing, and working with landowners.
- Writing and editing technical reports, independently and for co-authored documents.

Qualifications, credentials, skills, and abilities:

- **Minimum** requirements: A Bachelor of Science degree in fisheries or aquatic ecology, and/or 2 or more years of experience in fisheries biology, aquatic ecology, or related field.
- **Desired** qualifications: A Master of Science or PhD degree in fisheries biology or aquatic ecology, and/or 5 or more years of professional experience in fisheries biology, aquatic ecology, or related field.
- Experience working on fisheries projects, instream flow projects, and restoration projects on regulated rivers in the Western United States.
- Experience with biological data collecting techniques, fish handling and working with aquatic organisms.
- Familiar with the life histories of west coast fishes, and their habitat and ecological needs.
- Excellent written and communication skills with the ability to communicate complex topics in both written and oral form.
- Proficiency in Microsoft Office (Word, PowerPoint, Excel) and statistical software (R), and the ability to creatively analyze data.
- Strong organizational skills and detail oriented, with the ability to manage multiple tasks and projects simultaneously.
- Familiarity with hydrology, fluvial geomorphology, and riparian ecology.
- Ability to use QGIS or similar GIS platform and ability to interpret spatial data.
- Ability to travel in the field for up to 25% of time.
- Experience working and accessing remote field sites and operating safely in those environments.
- Well-organized, detail oriented, with an ability to prioritize tasks and manage their time efficiently.
- Self-motivated and able to work independently.
- Strong collaboration skills with clients and staff.

Our working environment requires an ability to work independently, take responsibility, and develop supporting logic that serves as a basis for resource decision-making. Candidates should have some prior experience working in and around streams and rivers on boats and by wading/snorkeling. Field work often includes long days in difficult terrain and diverse climatic conditions and could require travel and work up to 7 days without returning to the office or home station. Many field locations have no cell service or internet. Candidates should be comfortable around water and a strong swimmer. A valid California or Nevada Driver's license with a good driving history is required.

Position can be based in Arcata, CA, or Reno, NV, and the initial salary will be \$32/hour to \$50/hour depending on experience, paid as a salary that is based on at least 35 hours per week as a full-time position. The position is available immediately and has a generous benefits package after a 90-day introductory period that includes vacation, family health/dental/vision insurance, health savings account contributions, and Simple IRA retirement plan contributions. Please e-mail a resume, cover letter, references, and a self-authored writing sample to jobs@riversciences.com.