Riparian Revegetation Design and Implementation Technician Available at Applied River Sciences, Arcata, CA
February 23, 2024

Applied River Sciences (formerly McBain Associates) is seeking a Riparian Revegetation Design and Implementation Technician that will be responsible for leading revegetation design development, plant material acquisition, and cost estimating; developing revegetation irrigation water needs and supporting irrigation design development; supporting project environmental planning needs; leading revegetation implementation oversight, coordination, and support; and planning/conducting post-project maintenance, irrigation, and invasive species management.

Applied River Sciences is a professional consulting corporation applying fluvial geomorphic and ecological research to river preservation, management, and restoration. Our company has 20 employees with offices in Arcata, California and Reno, Nevada. For over 27 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, general aquatic and riparian ecology, as well as GIS and AutoCAD. We have a broad client base that includes state and federal agencies, Native American tribes, non-profit organizations, utility companies, water districts, timber companies, and private consulting firms.

Position duties and responsibilities may include:

- Leading riparian revegetation design development, plant acquisition, and cost estimation
- Leading revegetation implementation oversight, coordination, and support
- Leading the development and implementation of invasive plant species treatment plans and biomonitoring as a component of restoration
- Leading field data collection, data entry and management, analysis, and reporting
- Assisting with environmental planning and compensatory regulatory studies and reporting
- Preparing study plans, scopes of work, and budgets
- Communicating complex ideas to a diverse stakeholder and clients including public speaking, technical writing, and working with landowners
- Identification of difficult plant groups (grasses, sedges, rushes, willows etc.)
- Directed work within a GIS platform including digitizing, finalizing layers, and managing spatial data

Desired skills and abilities:

- Experience with revegetation implementation oversight, planting methods, plant material sourcing, work sequencing, labor requirements, and cost estimating
- Experience with plant and restoration ecology concepts and revegetation design
- Experience with environmental regulations and permitting
- Experience with irrigation system design and construction
- Experience with invasive plant management concepts, planning and implementation
- Ability to prepare and conduct studies related to compensatory monitoring and reporting
- Well-organized, detail oriented, and able to prioritize tasks

- Self-motivated and ability to work independently
- Ability to multitask
- Strong collaboration skills with clients and staff
- Proficiency with Microsoft Excel for data organization and basic data analysis
- Handheld GPS and mapping on tablet
- Excellent written and verbal skills
- Ability to use QGIS or similar GIS platform
- Familiarity with AutoCAD

Candidates should have completed at least a bachelor's degree in plant ecology, botany or similar field. Coursework must include plant taxonomy, plant ecology, GIS, and statistics classes. Coursework in hydrology, and soils desired but not required. Candidates should have prior revegetation implementation experience and a familiarity with ecological restoration.

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. 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. Candidates should have some prior experience working in and around streams and rivers. Many field locations have no cell service or internet. Candidates should be comfortable around water and a strong swimmer. A valid California Driver's license with a good driving history is required.

The position will be based in Arcata, CA, and initial salary will be $30/hr to $35/hr depending on experience. The position is initially part-time and would transition to full-time (with a generous benefits package) after 90-day introductory period. The position is available immediately and will remain available until March 31 or until filled. Please e-mail a resume with references to jobs@riversciences.com. Please include Riparian Revegetation Design and Implementation Technician in the email subject line, at least one letter of recommendation and, an example of written work as the sole author.