

**GIS Specialist Position**  
**McBain Associates**  
**Arcata, CA**

McBain Associates is seeking a full-time GIS Specialist for our Arcata, California office. McBain Associates is a professional consulting corporation applying fluvial geomorphic and ecological research to river preservation, management, and restoration. Our company has 15 employees with offices in Arcata, California and Reno, Nevada. For 25 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. McBain Associates provides a variety of services in hydrology, fluvial geomorphology, and fisheries, and general aquatic and riparian ecology. We have a broad client base that includes local, state and federal agencies, Native American tribes, non-governmental organizations, utility companies, and water districts.

Essential duties and responsibilities:

- Plan and execute all GIS spatial analysis tasks and deliverables, including task automation and scripting.
- Oversee proper storage, management, analysis, and display of spatial data.
- Generate spatial databases, maps and figures.
- Assist with report writing and proposals.
- Process, automate and analyze photogrammetry and LiDAR datasets.
- Create/maintain metadata documentation.
- Perform quality assurance and quality control of geospatial data, maps and figures.
- Ability to multi-task and meet deadlines with high degree of accuracy.
- Participate in field GIS, GPS and other physical data collection.
- Work with a multi-disciplinary team and clients to understand their spatial data product needs, and develop innovative analytical and presentation solutions.

Qualifications

- Bachelor's or Master's degree in GIS, Geography, Natural Resources or related field.
- 2+ years experience, preferably working with environmental data.
- Proficient with ArcGIS and other geospatial software.
- Experience with electronic data collection devices and software (including ArcGIS Collector, Trimble Pathfinder Office, TerraSync and mobile apps).
- Proficient with Microsoft Office Suite and Adobe Acrobat.

Desired additional duties and skills include:

- ArcGIS scripting/programming.
- AutoCAD Civil 3D experience (training can be provided).
- UAV pilot with FAA Remote Pilot Certification (training for certification can be provided).

- Experience with other spatial analysis software, including: QGIS, Spatial Analyst, 3D Analyst, LiDAR processing, Structure from Motion.
- Total Station and GPS-RTK surveying experience.
- Experience with other non-spatial databases, including photo library, streamflow data, and water temperature data.

The position will require working with a diverse group of environmental specialists, from hydraulic engineers to riparian ecologists to fisheries biologists. Candidates must be detail-oriented and meticulous, and show that they can conduct work within a GIS platform including digitizing, finalizing layers, and creating topologies. Candidates must have an ability to communicate complex ideas to a diverse stakeholder and clients, including public speaking, technical writing, and working with agencies and clients.

Our working environment requires an ability to work collaboratively with staff and clients, take responsibility, and develop supporting logic that serves as a basis for resource decision making. Candidates should be well-organized, be a problem solver, and be inquisitive. A valid California Driver's license with a good driving history is required.

Position will be based in Arcata, CA, with a salary between \$30/hr to \$35/hr depending on experience. Position is full-time (with a generous benefits package after 90-day introductory period), and the position is available immediately. Please e-mail resume with references to [jobs@mcbainassociates.com](mailto:jobs@mcbainassociates.com), including at least one letter of recommendation, and an example of a GIS analysis prepared as a sole author (preferably with written summary or report).