

Job Announcement GIS/Environmental Analyst, Water Program

Downstream Strategies offers environmental consulting services that combine sound interdisciplinary skills with a core belief in the importance of protecting the environment and linking economic development with natural resource stewardship. Our program areas include Water, Energy, and Land and our toolkits include Geographic Information Systems (GIS), Monitoring and Remediation, and Stakeholder Involvement and Participation.

We seek a GIS/environmental analyst to support a range of environmental policy and science projects, with a focus on an initial project using GIS to model aquatic habitat based on landscape characteristics. The successful candidate will bring multiple skills and will be a key team member on projects in Appalachia and beyond. This is a full-time, salaried position. Salary will be based on education, experience, and commitment. Benefits include health and dental insurance and a flexible policy for paid time off. Future benefits may also include a share of company ownership.

Applications will be reviewed as they are received, and interviews will be scheduled as soon as possible. The position will begin as soon as a candidate is selected and able. To apply, please e-mail a cover letter, resume, and two references to Tara Steed at tsteed@downstreamstrategies.com.

Duties and responsibilities

Specific tasks include, but are not limited to, the following:

- Participate as a key team member on a project using GIS to model aquatic habitat based on landscape characteristics. Specific tasks will include procuring and processing large geospatial datasets, developing geodatabases, developing metadata, cartography, and providing support to the modeling team.
- Help with other science and policy projects related to natural resources, with a primary focus on water resources.
- Perform various spatial analyses and modeling using (ArcMap) GIS.
- Perform statistical analyses using R.
- Analyze data and create charts and tables using tools such as Excel and Access.
- Create maps that reach a wide audience, with careful attention to cartographic standards and guidelines.
- Manage spatial data.
- Develop Web-based maps.
- Write technical and summary reports.
- Help foster an interdisciplinary atmosphere at Downstream Strategies.

Requirements:

- Bachelor's degree in a program related to environmental science, water resources, or related field.
- One or more years' experience working in a related field.
- Aptitude for data synthesis and presentation.
- Proficiency with ESRI GIS software tools, including spatial analyst.
- Proficiency with software tools including Excel, Access, and Word.
- Experience with statistical software.
- Experience with technical writing.

Preferred additional skills and characteristics:

- Graduate degree.
- Familiarity with the statistical software R.
- Wildlife and fishery habitat modeling and assessment experience.
- Familiarity with National Hydrologic Datasets and tools.
- Spatial regression analysis, raster analysis, and hydrologic modeling.
- Ability to develop custom tools within the ArcMap environment.
- Familiarity with data and policies related to water resources.
- Interest in helping develop Downstream Strategies' program areas.

Downstream Strategies

Downstream Strategies was founded in 1997 and currently has a staff of eight. We have a fast-paced, dynamic, interdisciplinary, collaborative work environment. Our clients include government agencies (federal, state, and local), nonprofit organizations, universities, attorneys, businesses, and individuals. Whether a project involves a specific permit, a watershed, or a national program, we believe that all stakeholders—not just those with large budgets—deserve sound science and policy analysis. Many of our final reports can be found at www.downstreamstrategies.com.

In addition to employees, Downstream Strategies creates an exciting interdisciplinary environment by engaging affiliates and subcontractors, including university professors, graduate students, and independent environmental scientists.

Our main office is located in **Morgantown, West Virginia**, an historic town in Monongalia County along the banks of the Monongahela River. Best known as the home of West Virginia University, Morgantown is 75 miles south of Pittsburgh, and its surrounding areas offer a wide range of outdoor recreation activities including hiking, fishing, whitewater rafting, and skiing. We maintain a second office in **Alderson, West Virginia** along the banks of the scenic Greenbrier River. This position will be based in Morgantown.