

Aquatic Monitoring Lead & Technician

Great Basin Institute and Bureau of Land Management

The ecological monitoring program at GBI serves as an excellent professional development opportunity for natural resource professionals looking for experience in botanical, soil, and rangeland surveys.

Participants will implement the Bureau of Land Management (BLM) national Assessment, Inventory, and Monitoring (AIM) strategy, which is targeted at collecting standardized inventory and long-term ecological data at multiple scales across western public lands. As a component of the AIM strategy, remote sensing will support landscape scale knowledge of rangeland conditions. Data collected by the remote sensing team will inform conservation efforts throughout the Great Basin.

Description:

The Great Basin Institute is seeking crew leaders and technicians to assist in the implementation of the Bureau of Land Management (BLM) National Aquatic Monitoring Framework (NAMF) for Assessment, Inventory, Monitoring (AIM) of lotic ecosystems. AIM seeks to standardize the collection of quantitative data that can be used at multiple scales to assist the BLM in making resource management decisions. More information about AIM and AIM implementation can be found at <http://aim.landscapetoolbox.org/>

Data collection involves measuring a variety of attributes including water chemistry and instream habitat, collecting aquatic macroinvertebrates, and conducting ocular estimates in the riparian zone. Successful applicants will be required to work and camp in the field. Applicants should be prepared to encounter strenuous working conditions.

Field work and duties may include:

- Maintaining safety awareness and practices;
- Navigating off-trail to sampling sites;
- Regular communication with GBI support staff and agency staff;
- Participation in GBI and agency trainings;
- Entering data into and managing an Access-based database;
- Data management experience including quality assurance and quality control for vegetative and geospatial data;
- Identifying plants to species using dichotomous keys;
- Leadership:
 - Supporting and managing a field crew;
 - Coordinating field logistics and scheduling; and
 - Report writing and completing administrative paperwork

Locations and Targeted Timelines:

- Salmon, ID; Kemmerer, Wyoming; 6 months (May – November, flexible)

Compensation:

- \$17 Lead / \$15 Technician
- Camping per diem \$15
- Paid holidays and personal leave
- Paid health insurance (medical, dental and vision)

Qualifications:

- Lead: Leadership experience, including supervising crews and managing projects simultaneously.

Technical requirements:

- Bachelor's Degree in Life Sciences, Natural Resources Management, Environmental Resources or related subject; or extensive coursework in biology, ecology, hydrology, environmental science, or geomorphology;
- Coursework or equivalent experience in plant taxonomy and/or systematics;
- Familiarity with native and invasive plants of the sampling area and associated natural resource issues preferred;
- Experience conducting plant surveys using various monitoring protocols, including standard rangeland monitoring protocols, photo plots, and site observations;
- Experience with data entry and management;
- Ability to read, interpret and navigate using topographic maps;
- Experience safely operating 4WD trucks on paved and unpaved roads, often in remote areas on unimproved roads;
- Experience navigating and collecting coordinates with hand-held GPS units;
- Experience creating maps and performing basic functions with GIS software (ArcMap); and
- Experience with Microsoft Office (Word, Excel, Access).
- Experience using Google Earth and ArcMap; Strong interest in aquatic ecology and physical processes

Additional requirements:

- Willingness and ability to work in a fast-paced, dynamic setting, and to consistently enact high performance standards and a strong work and team ethic in support of the goals and objectives of the AIM program and the mission of GBI;
- Valid, state-issued driver's license and clean driving record;
- Ability to complete a Department of Interior (DOI) Background Investigation (BI) and submit paperwork to BLM human resources prior to beginning position indicating that an active and fully adjudicated BI has been started or completed;
- Ability to work productively as part of a team to accomplish mutual goals;
- Ability to work independently;
- Ability to communicate effectively with team members, agency staff, and a diverse public;
- Excellent organizational skills;
- Familiarity with best practices for field safety and Leave No Trace principles;
- Experience in and willingness to spend multiple days camping in the field;
- Willingness to work irregular hours (e.g., early mornings, late nights); and
- Ability to work in harsh and rapidly changing environments, work in all types of weather conditions, traverse uneven terrain, carry upwards of 40 pounds in a backpack, and otherwise maintain good physical condition.

How to Apply:

Please visit our employment web page at: <http://crcareers.thegreatbasininstitute.org/careers/> to locate the position(s) you are most interested in and apply online directly from our website.

We conform to all the laws, statutes, and regulations concerning equal employment opportunities and affirmative action. We strongly encourage women, minorities, individuals with disabilities and veterans to apply to all of our job openings. We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, gender, sexual orientation, gender identity, or national origin, age, disability status, Genetic Information & Testing, Family & Medical Leave, protected veteran status, or any other characteristic protected by law. We prohibit Retaliation against individuals who bring forth any complaint, orally or

in writing, to the employer or the government, or against any individuals who assist or participate in the investigation of any complaint or otherwise oppose discrimination.