

**MOUNTAIN STUDIES INSTITUTE
ASSOCIATE DIRECTOR OF WATER PROGRAMS
SILVERTON FIELD OFFICE
JOB DESCRIPTION/ANNOUNCEMENT**

- POSITION TITLE:** Associate Director of Water Programs
- CLASSIFICATION:** This is a full-time exempt position.
- LOCATION:** This position will be based in Silverton, Colorado.
- APPLICATION:** Electronic submittal only. Include: cover letter, resume, and three references in one PDF document titled "last name_ADWP" to excutedirector@mountainstudies.org, 970-387-5161

Mountain Studies Institute (MSI) is looking for a motivated and dedicated individual to become MSI's Associate Director of Water Programs. This position will assist MSI's Water Program Director in developing and managing research and initiatives related to water resources, water quality, hydrology, and watershed restoration; and incorporating water-focused elements into broader efforts in landscape ecology, ecosystem services, and watershed management. The position will be a hybrid of both research and project management and will be split between field and management tasks. The position will support on-going research in the San Juan Mountain region related to the influence of legacy mine sites on water quality and hydrology; watershed restoration; ecosystem and climate resiliency; and will lead to the development of new initiatives. This position will serve as project manager, support MSI operations in Silverton, and will oversee the data management needs for on-going and future MSI research projects. In addition to the above primary duties, the position will interact with MSI staff across programs and contribute to MSI education and outreach efforts.

Management Duties:

- Lead planning and project design in line with the goals outlined in MSI's strategic plan.
- Maintain effective relationships and build partnerships within the community.
- Implement a leadership strategy that fosters teamwork and cohesion in the BPMD team.
- Oversee and track performance metrics of projects and staff in Silverton and other areas where project management is assigned.
- Draft proposals, grant applications, and budgets to support a framework of eco-hydrologic services to be used to assess conservation benefits, evaluate management practices, and provide cost-benefit analysis of mitigation.
- Administer contracts and grants pertaining to water resources, restoration ecology, ecosystems, hydrology, and climate. Draft and administer work plans and sampling plans for field staff.
- Oversee reporting deliverables including monthly progress reports, annual summary of activities, and interpretive reporting as defined by contracts and grants.

Field Duties:

- Oversee and participate in the collection of field data and maintenance of monitoring equipment.
- Oversee quality assurance and quality control of data collection and field procedures.
- Oversee collection of climate station data and maintain monitoring equipment.
- Conduct field surveys and monitoring to explore detailed biophysical and ecohydrological processes and systems i.e. seeps and springs, vegetation, recreation, and wildlife urban interface.
- Assist with other duties and project work as needed; both field and general support.

PERSONAL CHARACTERISTICS

The successful candidate will be driven by a passion for mountains, mountain communities, and solution-oriented science; adept at both the field and office tasks; and demonstrate the ability to make sound decisions in a mountainous field setting across all seasons. They will desire to work with a diverse group of people and ages in isolated small mountain communities. They will thrive in situations where multiple and diverse demands are involved, adjust to changes in a growing organization, and be comfortable with an evolving list of job duties in many facets of non-profit function. Occasional long days, evenings and weekends are required. A successful candidate will be highly organized, detail-oriented, self-directed, team player, and resourceful with ability to take initiative and follow-through on independent projects.

MINIMUM QUALIFICATIONS

- Education: Bachelor's Degree in Hydrology, Earth Sciences, Snow Science, Ecology, Restoration, and/or Biology or relevant field
- 4-8 years in similar or related field directly relevant to mountain research and education
- Experience with state and federal government agencies (EPA, BLM, USFS, CDPHE, DRMS, USACE), and government programs and regulations under CERCLA and the Clean Water Act, etc.
- Highly experienced with the Microsoft Office Suite, particularly Excel
- Proficiency with geographic information systems, ESRI ArcGIS, Survey 123, and spatial data management
- Wilderness First Aid or higher
- Experience with multi-mode backcountry travel in all seasons. Demonstrated ability to make situational decisions while in a field setting based on personal/group/team safety: terrain, weather, conditions, etc. Minimum AIARE Avalanche 1 or equivalent
- Experience following QAPP, SOP, and Field Sampling Plans
- Experience with database management (Access, R, MatLab, SharePoint, and/or other cloud platforms)
- Experience with field hydrology techniques and instrumentation, including cross-sectional discharge measurements, installation and operation of stream gages, flow meters, probes, etc.
- Experience with dataloggers and remote data collection equipment
- Team player that is highly adaptable and able to problem solve while in a field setting
- Capable of lifting 40lbs
- A valid driver's license, personal automotive insurance, and experience operating a manual transmission, four-wheel drive vehicle in mountain and winter conditions

PREFERRED QUALIFICATIONS

- Experience with restoration concepts, principles, and design
- Experience with the setup and maintenance of weather stations including instrumentation, Campbell Scientific, radio/satellite telemetry systems
- 40 Hour OSHA HAZWOPER training
- Experience in snow science including snow surveys, measuring snow water equivalent, etc.
- Experience with ESRI ArcGIS Desktop, ArcOnline, ArcCollector, Survey 123, and ESRI Story Maps
- Experience with statistical analysis and associated software packages (R, JMP, SAS, etc.)
- Experience teaching and leading groups of all ages in the field for environmental education

EMPLOYMENT DETAILS

MSI is an Equal Opportunity employer. All qualified applicants will receive consideration for employment without regard to race, national origin, age, sex, religion, disability, sexual orientation, marital status, veteran status, gender identity or expression, or any other basis protected by local, state, or federal law. This policy applies with regard to all aspects of one's employment, including hiring, transfer, promotion, compensation, eligibility for benefits, and termination. MSI believes in a collaborative and supportive work environment that encourages and inspires professional growth. MSI is a growing research and education center. We are looking for candidates with the ambition and passion for mountain research to help grow the Institute, explore new ways to communicate and share information, and apply our research for the betterment of the region and the world.