



Environmental Scientist
Water Quality Division
Temporary Worker, Northern Arizona

Job Description

The Surface Water Quality Improvement Planning Value Stream in the ADEQ Water Quality Division (WQD) is seeking a recent college graduate or an early career environmental scientist to assist staff members in managing tasks related to alleviating surface water quality impairments in Oak Creek near Sedona and abandoned mine remediation sites in the Bradshaw Mountains near Prescott. This position will be shared between two project managers based in Flagstaff and will support the planning, implementation, monitoring, and evaluation of watershed improvement and mine remediation projects, including but not limited to:

- Water quality sampling for E. coli, metals, and other chemistry parameters
- Other tasks include data entry, management, and synthesis, trip and equipment preparation
- Building and deploying mobile phone and satellite communication technology and environmental sensors
- Providing field support to staff and project partners on watershed improvement and mine remediation projects
- Implementing, monitoring, and measuring the effectiveness of best management practices

Project Overview

This position will support Flagstaff-based ADEQ staff in a variety of tasks associated with making watershed improvements that lead to surface water quality improvements on Oak Creek and abandoned mine sites in the Bradshaw Mountains.

Project Objective

To remove water bodies from the EPA's list of impaired waters by identifying metals and E. coli contamination sources and working with project partners to implement remedies. We focus on data-driven solutions which require regular sampling activities and detailed project management to achieve our objectives.

Minimum Requirements, Qualifications, and Experience

Bachelor's degree obtained or in progress

1 to 3 years' experience in natural resources, hydrology, or environmental science (preferred)

Knowledge, Skills, and Abilities

Knowledge of:

- Project management processes
- Google Workspace and Microsoft Office; proficiency in MS Excel and Word preferred
- GIS applications, Google Earth



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- General hydrology or hydrogeology
- Modeling: watershed, PHREEQC, reactive transport
- Best Management Practices for alleviating non-point sources of pollution
- Mine remediation techniques

Ability to:

- Sample water quality parameters: aqueous chemistry parameters, E. coli; experience optional
- Use Geographic Information Systems software at a basic level; GIS certificate preferred
- Use electronic survey forms (Survey 123, Collector); experience optional
- Conduct basic data analysis
- Review and analyze gray literature and peer-reviewed scientific research
- Utilize and oversee databases
- Background or interest in coding and electronics or willingness to become proficient; remote environmental monitoring
- On occasion, work long days under sometimes difficult field conditions (hot, cold, wet, uneven terrain)
- Willingness and availability to sample stormflow and spring runoff water samples on short-notice

Skills:

- Solid communication and writing skills
- Research and problem-solving
- Highly organized
- Capable of multi-tasking
- Time management

This position will be paid \$15-20 per hour at 40 hours per week with flexibility for part-time depending on candidate and need.

Please email resumes to mulenberg.natalie@azdeq.gov.