

# **West Virginia Water Research Institute**

## **Water Research and Remediation Student Worker**

### **Position Description**

The West Virginia Water Research Institute (WVWRI) is seeking a Water Research and Remediation Student Worker for the Fall 2024 semester and beyond. The undergraduate student worker will support program staff by working on the Three Rivers QUEST program activities and other projects managed by WVWRI, including, 319(h)-WVDEP sponsored acid mine drainage projects, Office of Surface Mining Reclamation and Enforcement (OSMRE) funded projects, and more.

The West Virginia Water Research Institute (WVWRI), a program of the National Research Center for Coal and Energy at West Virginia University, has been actively researching water-related issues since 1967. The Three Rivers QUEST (3RQ) program at WVWRI monitors rivers, tributaries and headwater streams that drain an area of over 25,000 square miles in five states. It brings together academic researchers, citizen scientists, and conservation groups to collect, analyze, and monitor important water quality data. Resultant data is displayed to provide the public, other researchers, federal and state agencies, and industry with timely and accurate information as it pertains to the overall health of our local rivers and streams. We are seeking undergraduate student support for the implementation of various research and remediation projects.

#### **Duties and Responsibilities:**

- Enter and organize data from various projects in Excel spreadsheets.
- Upload data to online Esri maps.
- Assist in the field collection of water samples and flow measurements when possible.
- Perform bench-scale laboratory experiments and lab upkeep tasks.
- Assist with data analysis/interpretation.
- Perform desktop research, review literature, summarize findings, and make conclusions.
- Assist with developing outreach materials.
- Perform field equipment upkeep and maintenance.
- Provide additional support as needed for various water research and remediation projects.

#### **Qualifications:**

- Enrolled as an undergraduate student at West Virginia University in a related field.
- Communicates well and is a proactive, independent worker.
- Knowledge in environmental science and/or chemistry.
- Experienced in Microsoft Excel.
- Able to manage data with accuracy; attention to detail.

#### **Preferred Qualifications:**

- General knowledge of ArcGIS mapping software (ArcGIS Pro or ArcGIS Online).
- Ability to assist with field work during weekdays.

This position requires attention to detail, strong organizational skills, and creative thinking. Office work includes but is not limited to computer data entry, responding to and composing emails, and assisting with correspondence and project files. Fieldwork includes but is not limited to the collection of water quality samples, collecting macroinvertebrates, and taking soil samples for lab analysis.

Eligible applicants must be enrolled in an undergraduate program in a relevant field.

To apply, please apply to the job posting on Handshake. For more information on WVWRI or Three Rivers QUEST, visit <https://wwwri.wvu.edu/home> or <https://3riversquest.wvu.edu/>.