



Zachery Black

Staff Scientist

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Profile

Mr. Black focuses on field support for a variety of projects involving environmental sampling, groundwater remediation, stream restoration, and geospatial services. He is also experienced in industrial safety management.

Skills and Experience

Completed OSHA 40-Hour HAZWOPER and OSHA IS-100.c: Introduction to Incident Command System.

Experienced in writing technical reports and OSHA Health and Safety Plans.

Knowledgeable in watershed management, best practices for healthy watersheds, and watershed delineation with ArcGIS Pro.

Experienced in low-flow groundwater sampling and sampling methods for volatile organic compounds in water.

Experienced in soil sampling and sampling methods for volatile organic compounds in soils.

Skilled in an array of reclamation practices involving post-mine land use, overburden analysis, and acid-base accounts.

Experienced in the proper disposal and handling of industrial chemicals and substances.

Managed teams of military technicians in a multidisciplinary industrial environment, ensured all industrial safety and health regulations were adhered to, and managed equipment rosters.

Experienced with ArcGIS Online services, spatial analysis, cartographic design, and environmental raster-based GIS analysis, and web development for ArcGIS.

Knowledgeable in policies regarding water security, access, and ownership in the United States.

Understanding of acid mine drainage and remediation practices pertaining to AMD-impacted watersheds.

Understanding of geologic hazards, geologic maps, and geologic cross sections.

Understanding of climate systems, flooding, and natural resources management.

Aerospace Ground Equipment Craftsman for West Virginia Air National Guard (2013-Present).

Education

B.A., Environmental Geoscience, West Virginia University, 2022.

Airman Leadership School, Community College of the Air Force Montgomery, 2017.

Aerospace Ground Equipment Journeyman, Community College of the Air Force Montgomery, 2014.