

Fact Sheet

U.S. Army Corps of Engineers Abandoned Mine Land Community of Practice

BACKGROUND

The U.S. Army Corps of Engineers Abandoned Mine Land (AML) Community of Practice (CoP) serves as a resource pool for the Corps and its partners to address the environmental risks and challenges associated with the Nation's abandoned mine lands. The AML CoP provides expertise in all technical and policy areas of abandoned mine land remediation and restoration to effectively plan, characterize, design, and construct AML-related projects with its partners in a timely and cost-effective manner. The AML CoP will utilize the collaborative focus of its uniquely diverse expertise to find creative, practical solutions to AML environmental problems, while maintaining a common store of knowledge and experience to address new challenges.



CAPABILITIES

Oversight

- Project Management & Coordination
- Construction Management
- Field Engineering
- AML Policy & Guidance
- Environmental Law

Investigations

- Hydrology & Hydraulics
- Monitoring Design/Installation
- Geology/Geotechnical Engineering
- Geochemistry/Geochemical Modeling
- Geophysical Surveying
- Mine Pool Modeling
- Threatened & Endangered Species Management
- Ecology/Ecosystem/WQ Modeling
- Chemical Validation & Interpretation
- GIS Database Development/Population
- Remote Sensing & GIS Applications
- Testing of Innovative Technologies
- Stream Restoration/Geomorphology
- Acid Mine Drainage TMDL Analysis
- Surface Water/Groundwater Modeling
- Cultural Resources Assessment
- Wetlands Enhancement Design & Construction
- Construction
- Human Health & Ecological Risk
- Archaeology/Cultural Resources Assessment
- Repository Design & Construction
- Revegetation & Bioremediation
- Environmental Risk Assessment
- Environmental Economic Analysis

Tools

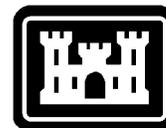
- Spectroradiometer
- Electro-Magnetic Gradiometer
- Ground Penetrating Radar
- Seismic-Acoustic Measurement
- GPS
- Directional Groundwater Probe
- Data Acquisition Systems
- Flow Measurement Systems
- Site Characterization & Analysis Penetrometer System (SCAPS)
- Hazardous, Toxic, & Radioactive Waste (HTRW) and Analytical Chemistry Laboratories
- Gamma Sensor
- Hydrological Software
- Surface Water Hydraulic Software
- Groundwater Modeling Software
- Wetland/Watershed Data Analysis Software
- Water Quality Modeling Software
- Sediment Transport Modeling Software
- Geochemical Modeling Software
- Geotechnical Software
- Digitized Elevation Maps (DEM)
- Geographic Data Technology (GDT)
- Mining Data Analysis System (MDAS)

POINT OF CONTACT

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