

**Michael A. Hewitt**  
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### **Current Employment**

Eastern PA Coalition for Abandoned Mine Reclamation (EPCAMR) – Program Manager  
101 South Main Street, Ashley, PA 18706

(570) 371-3522

### **Business Accomplishments**

- Co-authored Water Budgets and Groundwater Volumes for Abandoned Underground Mines in the Western Middle Anthracite Coalfield, Schuylkill, Columbia, and Northumberland Counties, Pennsylvania report (SIR 2010-5261) published by USGS and related Mine Water Resources of the Anthracite Coal Fields of Eastern Pennsylvania report – 2010 and 2011
- Produced a compilation annually of the Reclaimed Abandoned Mine Land Inventory System (RAMLIS) GIS Tool for statewide. Presented this information at several venues including: a meeting of legislative aides in Washington D.C. to aide PA's AML Campaign, the PA Abandoned Mine Reclamation Conference and the ESRI International User Conference – Winter 2005 to Present
- Provided Abandoned Mine Drainage Field Monitoring Certification courses – Since 2007
- Aided DEP in the “de-listing” of several miles of PA streams from the Clean Water Act 303(d) List of Impaired Waters (aka. PA Integrated List of Waters: Non-Attaining Use) – Since 2007
- Provided organizational and technical support to watershed groups, other non-profit organizations, federal, state, county and local governments on abandoned mine issues – Since 2001
- Co-Coordination of the 4<sup>th</sup> – 13<sup>th</sup> Annual Pennsylvania State-wide Conferences on Abandoned Mine Reclamation – Since 2002
- Coordinated the North Eastern PA Passing Go Series: The Road to Stronger Watershed Organizations – Fall 2003 to Fall 2004
- Served as EPCAMR and Luzerne Conservation District Network Administrator and Computer Technician – Since 2001
- Served as Webmaster for the EPCAMR and webhost other non-profit websites – Since 2003
- Co-Authored “AMD Avengers Activity Book” & “AMD: An Epic Tale” video/booklet – May 2003 & July 2010
- Co-Coordination of the Regional Watershed Support Initiative Grant Program for Eastern Pennsylvania – Fall 2002 to Fall 2003
- Crafted the first Abandoned Mine Drainage (AMD) Treatment Systems Model, the AMD Generation and Mine Pool Model and the Co-Generation Plant Model and Display for the Anthracite Regional Independent Power Producers Association for demonstrational and educational uses – Falls 2001, 2002 & Spring 2004

### **Previous Employment**

*OSM Summer Internship, Eastern PA Coalition for Abandoned Mine Reclamation, Shavertown, PA – May 2002 to August 2002*

Began an EPCAMR region-wide GIS project to correlate watershed association coverage and EPA 303(d) list of impaired streams; Coordinated the exhibit Registration for the 2002 PA State-wide Abandoned Mine Reclamation (AMR) Conference in State College, PA; Presented and explained the AMD Passive Treatment Model and other EPCAMR materials to over 150 conference attendees at the 2002 PA AMR Conference.

*Lab Attendant, Lock Haven University Biology Department, Lock Haven, PA - December 2001 to May 2002*

Organized and prepared labs for Principles of Biology and Field Ecology classes for Dr. Shonah Hunter; Ran an “Introduction to GIS” lab for the Field Ecology class; Participated in the Biology Student Mentoring Program where I provided technical assistance to students and faculty with computer problems; Filed course materials, organized lab preparation rooms and completed administrative office work.

*OSM Summer Internship, Eastern PA Coalition for Abandoned Mine Reclamation, Shavertown, PA – May 2001 to August 2001*

Crafted the first AMD Passive Treatment Systems 3-D Model for demonstrational and educational uses;

Presented AMD Passive Treatment Systems and Water Quality Testing methods at a teacher training Workshop for Kings College; Classified stream habitats using the PA DEP Watershed Snapshot Assessment method; Educated the general public on AMD/AMR issues and history of the anthracite coal region; Coordinated the exhibit Registration for the 2001 State-wide Abandoned Mine Reclamation (AMR) Conference in State College, PA; Learned the inner workings of a multi-county non-profit organization; Gained experience in grant writing and grant coordination; Aided the Regional Coordinator in establishing or giving support to several local watershed groups throughout 16 counties in Eastern PA; Installed a business network at the Luzerne Conservation District office; Led volunteers in two Luzerne County Streamside Clean-ups at Newport Creek and Nanticoke Creek; Participated in numerous local and government meetings that pertained to the development of future abandoned mine reclamation projects.

## **Education**

Lock Haven University of Pennsylvania, Lock Haven, PA, 17745

BS Biology: Ecology and Environmental Biology – May 2002

Other Curricula: Geology, Chemistry (& Organic), Advanced Math (Statistics, Calculus), Geography, Env. Policy

Montrose Area Schools District, Montrose, PA, 18801

Diploma with Honors – June 1998

## **Awards, Trainings, Workshops and Certificates Completed**

- Introduction to earthVision 2D & 3D Modeling Certification from US DOI Office of Surface Mining Reclamation and Enforcement, Pittsburgh, PA (24 hours) –Sept. 14-16, 2010
- Intermediate ArcView Version 8 Training and Certification from the Penn State University Geospatial Technology Program, University Park, PA (12 hours) –March 23-24, 2004
- U.S. Army Corps of Engineers: Regulatory VI – Interagency Wetlands Identification and Delineation Training, Tioga, PA (40 hours) – July 2004
- Out of the Rock and Good Bye Orange Water Primary and Secondary Education Teacher Training Workshop on AMD at St Vincent College, Latrobe, PA (24 hours) – Spring and Summer 2003
- ESRI ARC GIS I & II Training and Certification at Wilkes University, Wilkes-Barre, PA (32 hours) – September 2002 and March 2003
- Passing Go Facilitator Training Provided by Canaan Valley Institute, PA DEP and WPCAMR, Greensburg, PA (12 hours) – Fall 2002 to Summer 2003
- Natural Stream Channel Design and Geo-Fluvial Morphology Training: Principles and Process (8 hours) – June 2002
- EPA Watershed Academy: Web-based Watershed Management Training Certification

## **Community Service, Professional Memberships and Activities**

- Member of the Stanly Cooper Sr. Chapter of Trout Unlimited – Since 2007
- Member of the Hicks Creek Watershed Association in Exeter, PA – Since 2003
- Member of the Friends of the Nescopeck Watershed Assoc., Conyngham, PA – Since 2003
- Member of the PA DEP Nonpoint Source Liaison Workgroup Resource Extraction Committee – Since 2003
- SRBC Streamside Cleanups in the Wyoming Valley, Luzerne County, PA – 2001-2004
- AML Cleanup & Service projects with incoming Wilkes University Freshman in the Wyoming Valley, Luzerne County, PA – Since 2001
- Biology Club and Cross-Country at Lock Haven University – Fall 1998 to Spring 2002
- Member of the Varsity Club & Art Club at Montrose High School - Fall 1994 to Spring 1998
- Member of the 4-H Club in Montrose, PA - 1988 to 1998

## **References**

Available Upon Request