

EPCAMR



Eastern PA Coalition for Abandoned Mine Reclamation Program July 2008 Progress Report

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Highlights:

- Learned 3 software programs to extract raw GIS data related to the Mine Pool Mapping Project
- Created GIS 3 maps and distributed 6 RAMLIS v.8 CDs to EPCAMR Partners
- Attended a meeting at Carney's Office, EPCAMR Staff attended the EPCAMR Annual Meeting and coordinated a cleanup
- Updated www.orangewaternetwork.org and www.friendsofthescopock.org

Education and Outreach:

- Canoed on the Susquehanna River with partners working on the Old Forge Borehole project, including EcoTech, LLC, PA Fish and Boat Commission, HDR, Inc., and Duryea Borough. Made a presentation over lunch about EPCAMR's role in the project.
- Attended a Sullivan County Conservation District meeting and tour of the Kyler Environmental biosolids reclamation site.
- Met with Northumberland County Stakeholders and PA DEP BAMR at Congressman Carney's Office to deal with prioritizing reclamation of SMCRA Title 4 sites in their county.
- EPCAMR Staff coordinated a clean up on an abandoned mine site in Newport Township called the Ice Caves. The cleanup was in cooperation with the Newport Township Community Organization and Wilkes University.
- Met with the Lackawanna County Conservation District Manager and Watershed Specialist to strategize their part in reclamation of mine lands and remediation of mine water in Lackawanna County.
- Prepared for and attended the Annual (3rd Quarter) 2008 EPCAMR Board Meeting hosted by the Northumberland County Conservation District. The meeting started with a picnic style lunch and ended with a tour of mine drainage treatment systems in the Shamokin Creek Watershed.

Technical Assistance:

- Created National Wetland Inventory and Floodplain Maps for the Catawissa Creek Rivers Conservation Plan. Began to work with agricultural and parcel data from several counties to construct draft maps of this information. Clipped soils information to the watershed boundaries and created generalized symbology. *
- Lined up OSM folios 9M and 9N near Shenandoah (the Kohinoor and Indian Ridge Mines) to verify the location of and move several barrier pillars.
- Spoke with Mike Dunn, OSM in Pittsburgh, about structural contours and his recommendations on the best software to use to extract them from the Coal Investigation Maps for the Western Middle Anthracite Fields. He recommended a suite of software including Adobe Photoshop Elements, R2V and Earth Vision. These maps will need to be scanned in 400 dpi and 24 bit

color. Requested these specifics from PA DEP BAMR Wilkes-Barre Office and PA DEP DMO in Pottsville who hold hard copies of these maps.

- Started review of Anthracite Region passive treatment systems from the OSM database as requested by Dave Hamilton. Verified information and corrected data based on knowledge of the sites and coordination with watershed groups. Added information about their relation to the AMLIS Problem Areas.
- Learned the Adobe Photoshop Elements, R2V and Earth Vision software with the help of Mike Dunn, OSM. Auto-vectorized the C-10 image (part of the Mount Carmel Topoquad).
- Answered questions about the Packer #5 Discharge for Hedin Environmental staff as they continue to search for and design alternative treatments for the water.
- Spent a few hours trying to open several scanned C Series Coal investigation maps (800 MB) and talking to tech support to finally come to the conclusion that this program cannot open the images. Downloaded a free program, GIMP 2.0 as a “plan b”. Opened the images (took 20 minutes) and cropped them which produced files much smaller. These cropped images could be opened and cleaned up in Photoshop.
- Created and mailed 6 RAMLIS version 8 CDs and sent them to EPCAMR partners as requested.
- Aided the Friends of the Nescopeck with renewal of their domain name for their website. Currently the site is hosted at www.fon.orangewaternetnetwork.org with a redirect from www.friendsofthenescopeck.org.
- Georeferenced the C-47 map, which was already vectorized by Mike Dunn, but needed to be lined up against the topographic maps in ArcMap. Georeferenced the C-46 map to prepare it for auto-vectorization. Created a scatter-plot of the elevation data for C-10 in EarthVision, interpolated more data points and created a 3D grid of the bottom layer of coal. This represents 25% of the work that will need to be done for the Western Middle Anthracite Field.
- EPCAMR staff put together picnic benches and kiosks for the Avondale Mine Disaster site. These benches and kiosks, made from recycled plastic, will be placed on the site as a part of the beautification project with a grant from Keep PA Beautiful.
- EPCAMR staff collaborated on a 2nd Quarter 2008 report for the Mine Pool Mapping Project