



## Eastern PA Coalition for Abandoned Mine Reclamation

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### June 2018 Progress Report

#### Highlights:

- Managed EPCAMR staff as they scanned 102 mine maps into TIFF images, georeferenced 114 & digitized mosaic maps for the **PA DEP MSI MMG** program. QA/QC checked work.
- EPCAMR staff participated in an AMR Conference Call, a AML Campaign meeting, a project update call with SRBC, and cohosted the AMR Conference in State College; Live streamed and raised brook trout in TIC tank all in the name of EE.
- Sampled monitoring stations near **Mocanaqua** for the **SRBC** and 2 AMD treatment systems along the **Loyalsock Creek** for the **Sullivan Conservation District**.
- Updated [www.epcamr.org](http://www.epcamr.org); Transferred items to the new online store platform; Administered the EPCAMR Facebook and G Suite for Nonprofit accounts; Maintained GobbaDaPile in-house domain server and workstations.

#### Education, Outreach and Admin.:

- Billed several grants with bookkeeper including SRBC Mocanaqua Tunnel Project.
- Added an item to the EPCAMR online store to allow people to purchase map prints. Added a shipping estimator and adjusted prices to match. Now customers can save and pickup items from our office.
- Update staff page and added a Transfer Big Files page for easy access to our FTP account.
- Reviewed Mine Mapping Grant (MMG) program work from March, April and May in the PA Historic Mine Mapping Inventory System (PHUMMIS) as compared to what we will submit on the travel drive. Submitted reimbursement paperwork and the drive to PA DEP California District Mining Office (DMO). [MSI]
- EPCAMR management staff participated in a monthly progress call for the Mocanaqua Tunnel Project. [SRBC]
- Completed a \$12K proposal to scan, georeferenced and digitize rail road maps for the Luzerne County Rail Authority.
- Met with Jim Charowsky from PA DEP Harrisburg, Davey Williams and his intern from PA DEP Pottsville DMO. Davey brought a set of maps for us to scan and took the ones we completed. Jim brought back the new signed 3 year MMG contract and spent some time reviewing our upcoming work. [MSI]
- Closed AMR Conference registration as the deadline passed. Started preparing for the conference. Gathered supplies into piles to take inventory and purchased more supplies. Ended up getting donations from Weis Markets and Wegmans to purchase items for the silent auction. Printed posters of the schedule and sponsors.
- EPCAMR staff participated in a PA Abandoned Mine Reclamation (PA AMR) Conference Call to sort out final details with the conference only a week away.
- Reopened AMR Conference registration at the request of the conference committee as several people wanted to register after the deadline. Why have deadlines? (facetious question).

Closed the registration again at the end of the week when the final numbers were delivered last minute to the Ramada Conference Center.

- EPCAMR Management staff traveled to Alexandria, PA to participate in a meeting to coordinate efforts around the Surface Mining Control and Reclamation Act (SMCRA) Fee Reauthorization which is projected to sunset in 2021.
- EPCAMR staff traveled to State College to cohost the PA AMR Conference. The first day was a tour of a limestone quarry, fish hatchery and a distillery followed by a networking dinner. Due to the rain the tie dye event was cancelled and the dinner was held indoors. The second day was full of approximately 20 presentations and workshops. Approximately 125 attended the 2-day event.

### **Technical Assistance:**

- Researched and ordered two ZyXEL Network Attached Storage (NAS) drives from NewEgg with the help of intern Scott Cimakosky. These drives actually have minicomputers attached which run on Linux and should be more stable for day to day usage over the network.
- Combined figures 3 A and B maps from the "Geology, Hydrology, and Geochemistry of the Black Creek Watershed near Mocanaqua, Luzerne County, PA" report in 1968 by the US Geological Survey (USGS) in preparation for digitizing. The maps and cross sections show coal veins and faults which will be helpful in finishing the Mocanaqua Mine Pool Model. [SRBC]
- Executive Director's computer would not turn on one day. This is the second time that particular computer had done this. The last time the entire motherboard was replaced, an expensive undertaking. Took it to the Computer Shop in Kingston this time. They said the motherboard would have to be replaced again. Apparently the Dell A8 computers are cheap because they don't last long and are built to be thrown away. Decided to transfer his information to one of our existing Dell Inspiron laptops instead.
- Setup one of the NAS drives on the network and tested it. Seems to work nicely. Began transferring the contents of the X drive over minus the TIFF files.
- Dismantled the old RAID Towers and internal server storage spaces one at a time and reused the drives in the new NAS units. Copied over the M drive as space became available. Copied older TIFF files from the X drive into "dark storage" and transferred ones that were less than a year old to the new X NAS drive.
- Troubleshoot an issue with the Hewlett-Packard (HP) DeskJet 800 plotter. It was no longer available as a printer in Windows 10. It seems the updates to the router firmware may have changed the IP address and the way that it is served up to the network. Updated the IP address on the plotter screen and it started working.
- Troubleshoot geodatabase issues in now that they are being stored on the NAS drives (Linux operating system). Something in the way they are shared disables an automatic cache. The explanation was complicated but the fix in ArcGIS was relatively simple.
- Ordered a new laptop for myself since the current laptop I have is over 7 years old, which is very old for a computer. Ordered another computer and monitor for the MMG for the new staff person we plan to hire. Funding was available in the MMG budget for this purchase. Requested a transfer of funds to cover the cost.
- Sampled field flow and chemistry at the Mocanaqua Mine Pool Project. Collected water samples at the tunnel discharge and sent them to Hawk Mountain Labs for analysis. Took transduced readings wirelessly with the app reader to my smart phone. Recorded all this in a google spreadsheet. [SRBC]
- Sampled flow and chemistry on 2 treatment systems (WALA Connel B and C Tunnel AMD treatment systems), upstream and downstream on the Loyalsock Creek to judge the effectiveness of the upgrades to the Connel B Tunnel AMD treatment system. [LCWA]
- Received the new laptop and began to setup ArcGIS, but discovered that the sound and USB ports on the right side were not working. Contacted Dell technical support and asked that they send a technician. They reassured me that repairs would be covered under the warranty.
- Quality assurance and quality control (QA/QC) checked several mosaic surface and mine maps to make sure that maps were not available to fill in gaps. Found several maps in PHUMMIS that

were not yet georeferenced, but looked like they would fill in gaps, including some of Mineral Springs Colliery that were in EPCAMR's own collection donated by Frank Dombrowski. Created a list of priority maps for staff to georeference.

[ ] - Denotes funding source where applicable.