



Eastern PA Coalition for Abandoned Mine Reclamation

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July 2018 Progress Report

Highlights:

- Managed EPCAMR staff as they scanned 135 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 NAAML P Conference Call, a meeting to discuss hydro power projects in the Lackawanna Watershed, a project update call with SRBC, and were filmed for a "Reclaiming PA" film series; Released trout from TIC tank into Abraham's Creek all in the name of EE.
- Submitted a \$12k proposal to scan, georeference & digitize railroad maps for **Luzerne Co.** and ~\$5K proposal to monitor the **Askam Treatment System** for **EC**
- EPCAMR staff sampled **Abraham's Creek** watershed for a **CHP**, 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 and www.NAAML P2019.com; Added new items to the online store platform; Administered the EPCAMR Facebook and G Suite for Nonprofit accounts (for NAAML P as well); Maintained GobbaDaPile in-house domain server and workstations.

Education, Outreach and Admin.:

- Followed up with ARIPPA plant to provide them with a receipt of funds regarding their conference registration. Finalized registration numbers and provided statistics to AMR Conference Committee.
- Spoke with John Levitsky, Luzerne Conservation District Watershed Specialist and Gavin Pellitteri, EPCAMR Watershed GIS Specialist about applying to the Office of Surface Mining Reclamation and Enforcement (OSMRE) Watershed Cooperative Agreement Program (WCAP) for the Nescopeck Creek Watershed.
- Participated in a monthly Mocanaqua Tunnel Project status conference call with Susquehanna River Basin Commission (SRBC) staff. Downloaded the Solinst Levellogger 4 Software and transferred data from the app on my phone. Printed out the Black Creek Report and maps for later digitizing and addition to the 3D model. [SRBC]
- Wrote the Program Manager monthly progress report for the month of March and submitted it with reimbursement paperwork to the PA DEP 319 Program.
- Updated a contract to sample the Askam Treatment System for the Earth Conservancy for 2018-2019.
- EPCAMR management staff participated in a NAAML P conference call. Setup several emails / listserv groups via Google Apps at the NAAML P2019.com domain. Added several items to shop.epcamr.org related to conference registration based on recommendations from DEP staff. [NAAML P]
- EPCAMR staff were filmed as part of a "Reclaiming PA" documentary film series over 2 days.

- Got feedback on 2019 NAAMLPLP conference registration options from DEP staff and setup more options on shop.epcamr.org. [NAAMLPLP]
- Released our Trout in the Classroom (TIC) fingerlings in Frances Slocum Lake near the outlet where they can freely swim to Abraham's Creek.
- EPCAMR management staff traveled to the Lackawanna River Conservation Association (LRCA) office to participate in a meeting with Merchant Hydro, Susquehanna Mining Solutions (SMS) and SRBC regarding several proposed hydroelectric projects in the Lackawanna River watershed.
- Sent reimbursement paperwork and the travel drive containing data for the month of June to the PA DEP Mine Subsidence Insurance (MSI) Program. [MSI]
- Aided Tom Clark, SRBC, as he reviewed Newport Aggregate water quality records for the Mocanaqua Tunnel discharge. [SRBC]
- Aided staff as they were trying to find information about a vein of coal we have never heard of. A google search turned up a Journal of Coal publication from 1882. Downloaded the document which was helpful in identifying the coal seam. The document also contains old coal company names which may be helpful in the future.
- Sent out a reminder via MailChimp for the upcoming EPCAMR board meeting. Updated www.epcamr.org with new information about the meeting.
- Wrote the Program Manager monthly progress report for the month of April and submitted it with reimbursement paperwork to the PA DEP 319 Program.
- Created quotas for the Mine Mapping Grant (MMG) to give staff an idea of how many maps they should be scanning, georeferencing, mosaicking and digitizing on a monthly/annual basis to keep on track for the 3-year grant. [MSI]
- Caught up on time and travel sheet paperwork that was placed on the backburner as field and project work took precedence. Processed some iron oxide for a local artist. Started progress report for the month of May.
- Followed up with PA DEP MSI staff about invoicing for the new Mine Mapping Grant.
- Follow up with David Brocca regarding map needs for the Knox Mine Disaster documentary.

Technical Assistance:

- Fixed Active X issues in ArcGIS which had been annoying for months, but allowed you to continue to work with the program. Finally had some time to research and fix the issue.
- Setup redirect with mask for the NAAMLPLP2019.com domain for the 2019 Joint National Association of Abandoned Mine Land Programs (NAAMLPLP), National Association of State Land Reclamationists (NASLR) and Pennsylvania Abandoned Mine Reclamation (PA AMR) Conference. Later setup the domain in such a way that breadcrumbs work. [NAAMLPLP]
- Re-setup the SQL database on GobbaDaPile (EPCAMR's file server) to allow staff to digitize mine entries, elevation points and mined out areas into an enterprise geodatabase from underground mine maps that have been georeferenced. Researched and troubleshot connection issues in ArcGIS on several computers. [MSI]
- Aided in identifying gaps in mine map mosaics and georeferenced maps to fill in those gaps. Georeferenced a Snake Island map and re-georeferenced an Abbot map in the Wilkes-Barre West Quadrangle. [MSI]
- Soldered the "pigtail" back on the computer of the Swiffer flow probe. This fixed the short in the wire that had developed from heavy use.
- A Dell technician attempted to repair my brand new Dell Precision 7720 Laptop, but needed another part that was going to take some time to ship. Was advised to pack up the computer and sent it back to Dell via FedEx for their technicians to fix at an actual repair warehouse. This is the first Dell computer that has come with issues of over a dozen that we have ordered over the past 5 years.
- Repaired the keyboard on Robert's computer.
- EPCAMR staff sampled Abraham's Creek as a part of the Coldwater Heritage Partnership (CHP). [CHP]

- Quality assured and controlled (QA/QC) data produced in the month of June against the PA Historic Mine Map Inventory System (PHUMMIS). [MSI]
- More troubleshooting and reinstall of the ArcSDE geodatabase in SQL format on the EPCAMR file server. It had been about 4 years since I setup the database initially and I didn't take very good notes to replicate the process. Re-wrote notes in hopes that next time the process will be more smooth. Gave staff and interns a refresher on digitizing mine entries, elevations and mined out areas from underground mine maps since restoring the SQL database. [MSI]
- Got my computer back from the Dell repair warehouse and began to set it up for use on the EPCAMR domain. Installed programs and transferred personal files.
- Created a google sheet to help with processing georeferenced maps into the mosaic mine maps. There are so many maps that staff review as potential maps to add to a mosaic, but handwritten notes kept by each of us were not helping. The google sheet is a collaborative platform that should help us know if a certain map was already evaluated.
- 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]
- 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]
- Researched raster map formats in Google Earth for the Luzerne County Railroad Mapping Project as their staff requested the maps to be potentially delivered in to Google Earth. [LuzRR]

[] - Denotes funding source where applicable.