Eastern PA Coalition for Abandoned Mine Reclamation

Michael A. Hewitt, GISP
Program Manager
101 South Main Street
Ashley, PA 18706
Main Line: (570) 371-3522
E-mail: hardcoal@epcamr.org

April 2022 Progress Report

Highlights:

- EPCAMR staff scanned, georeferenced, mosaicked & digitized mine maps for the **PA DEP** MSI MMG program. QA/QC checked work.
- EPCAMR staff participated in a weekly **PA AML Campaign** call, a **PA AMR Conference** call, **Bear Creek** TS Tour/Mtg in **Dauphin Co.**, a **Catawissa Creek** Tour/Mtg in **Columbia** and **Schuylkill Cos**, and started Zoom Events and registration for the **PA AMR** Conference.
- Sampled AMD Treatment System on **Nanticoke Cr.** for **EC**, 3 on **Loyalsock Cr.** for **LCWA**.
- Updated www.treatminewater.com and www.epcamr.org; administered G Suite for Nonprofits and social media sites; maintained GobbaDaPile in-house domain server

Education, Outreach and Admin.:

- EPCAMR Management staff participated in the weekly PA AML Campaign Call to keep up to date with the Infrastructure Investment and Jobs Act (IIJA) aka Bipartisan Infrastructure Law (BIL) funding and "AMD fix" conversations.
- Signed up for Zoom Events and started setting up the virtual side of the conference: sponsors and exhibitors. Gave others on the committee co-editor status to help. Made updates to treatminewater.com based on research into Zoom Events Expo. Processed 1 registration.
- EPCAMR staff participated in a Bear Creek treatment system tour with landowner, Susquehanna River Basin Commission (SRBC), several PA DEP staff, Dauphin County officials, state representatives and legislative staffers in a downpour. Held a discussion about Phase 2 treatment scenarios and possible funding avenues at the Lykens Borough Office. [BEAR]
- Worked on updating registration and Zoom Event with Anne Daymut at WPCAMR. Created a template to create session images with presentation title and presenter name.
- Worked with Gary Leander to update Friends of the Nescopeck (FON) website.
- Responded to Denise Coleman at USDA/NRCS regarding abandoned mine land (AML) site mapping and our ArcGIS Online (AGOL) Reclaimed Abandoned Mine Land Inventory (RAMLIS) story map.
- Updated 2022 billable rates and distributed to staff. Purchased Quickbooks (QB) 2021 from Techsoup at a discounted rate of $78.
- Working on Zoom Event to find out that Sponsors can edit their booths, but we have to gather images, video and documents from exhibitors and speakers. Also exhibit booths can only be seen during the conference at the virtual Expo. Questioned Zoom support staff.
- Submitted the January 2022 reimbursement to the 319 program.
- Coordinated with PA Fish and Boat (PFBC) for an upcoming the Catawissa Creek tour.
- Tested out a Practice Session in Zoom Events where I used my personal account set as the speaker and work account set as host to talk to myself on the webinar. Found that speakers can edit their own profiles with a unique link sent to them. Still remains that exhibitors don't get

this link sent to them. Will test more next week. Registered more AMR Conference attendees. Got our first virtual attendee.

- Started Mine Mapping Grant (MMG) reimbursement for 4th quarter 2021 looking for time sheets and started counting up hours for the paperwork. [MSI]
- Confirmed Jon Dietz as a speaker for the PA AMR Conference.
- Catch up on timesheets. Installed QB 2021 on Denise's, Intern, and my computers. Also, update QB on Bobby's laptop and upgraded it to Windows 11.
- Finished up and sent the MMG Reimbursement for 4th quarter 2021 to PA DEP California District Mining Office (DMO) for approval. [MSI]
- Kept an eye on the Dell Outlet refurbished computers for weeks. Finally purchased a reasonably priced and high-quality Dell XPS laptop for Laura Rinehimer, EPCAMR Environmental Education (EE) Specialist.
- Catawissa Creek Stream Access Meeting and watershed tour with PA F&BC Columbia County Conservation District (CCCD), Catawissa Creek Restoration Association (CCRA), and PA Department of Conservation and Natural Resources (DCNR) staff.
- Uploaded Mill Creek Coldwater Heritage Plan (CHP) to page on epcamr.org website and sent link to Rachel Kester at Pennsylvania Council of Trout Unlimited (PATU) and Bob Kent, volunteer with EPCAMR. [CHP]
- EPCAMR management staff participated in an AMR Conference Committee call. Update a PowerPoint with screenshots and video to explain access to the Zoom Event Lobby in a web browser vs the Zoom App. Posted the video to a new page on treatminewater.com website dedicated to the Hybrid Conference. Updated presentations page with the newly approved presentations. Added logos to the Sponsors page.
- Conducted a RAMLIS investigation into a site in Foster Township along Cawley Road for resident sent to us from the Luzerne Conservation District (LCD). Nearby AML sites are related to the Pond Creek discharges.
- Conference call with Aqua Informatics about finalizing our sample database mapping to their Aquarius system.
- Ordered Waders for Bobby, Steve and myself. Looked over other field equipment that needed to be replaced/refurbished. Spoke with Bob Swoffer to replace the number pad on the Swoffer 3000 flow meter. He said to send it for refurbishment. It would only be a week turnaround.
- Ordered Photoshop and Premiere Elements 2022, a USB C mouse and adapters for Laura's new computer.

Technical Assistance:

- Sampled Askam Boreholes, Treatment System, upstream and downstream on Nanticoke Creek, and 2 flow sites for March. Recorded data into sampling spreadsheet and delivered to Earth Conservancy [EC].
- Added more cross sections (XS) to Bear Creek model in earthVision (EV). Digitized property boundaries in ArcGIS Pro and converted to curtains in EV to see how well they intersect with property boundaries drawn on XS. Attempted to adjust lines of section (LOS) in EV Graphic Editor but couldn't remember how to label the lines. Converted Harrisburg University (HU) digitized coal elevation points to see how well they lined up, which was not well, but hard to tell because they don't all intersect with XS. [BEAR]
- Catch up on emails. Cleaned up Laura's computer with Advanced SystemCare (ASC) and 22 driver updates with Driver Booster. It was still slow and loud fan. Researched new dell laptops for our environmental education (EE) staff and desktops for purchase as our computers are getting old and need to be replaced. Potential funding in the 2 new EE Grants: Keep PA Beautiful and Occulus.
- Discovered that transverse (TRV) files cannot be labeled or edited(?) in Graphic Editor. Added in Bear Creek LOS.shp.dat file as labels and discovered that file had the wrong line IDs. Converted from Shapefile to TRV file to get the correct Line IDs. Copied these Line IDs in TRV and replaced wrong Line IDs in shp.dat. [BEAR]

- Sampled Loyalsock Upstream, Downstream, & in/out of 3 treatment systems (Connell B Vein, Connell C Vein and Gutten Drift). Recorded data in a database for reporting to the Sullivan Conservation District (SCD) & Loyalsock Creek Watershed Association. [LCWA]
- Attempt to add Red Run Diversion Well Lycoming Creek to Datashed.org, but got errors. Contacted Cliff Denholm at Stream Restoration Inc (SRI).
- Removed a poorly georeferenced BMSA-0050 underground mine map (UMM) from the Nanticoke Quadrangle George Vein Mosaic, re-georeferenced it, and added it back. Edited faults and anticlines layer to extend the Alden Anticline into this area to showing the split between the Alden and Susquehanna Collieries. Looked for Alden Top Split George Vein maps, but no luck. No maps in the NMMR collection either, but found Bliss Top Split George in the Wilkes-Barre West (WBW) Quadrangle Mosaic. No. 3 Vein mosaic crosses over from the WBW Quad. Georeference maps for Alden Biscontini mines to add to Lo Baltimore and marked them for resubmittal. Looks like these mines sloped to overlap several veins. [MSI]
- Cataloged georeferenced maps from October to December 2021 into the PA Historic Underground Mine Map Inventory System (PHUMMIS). Organized files from January to March on the drive and brought Pittston mosaics into ArcGIS. Discovered that checkerboard maps could not be fixed by fixing file paths. Some need to be organized in month folders and then rebuilt. Notified staff so they can start putting georeferenced files into month folders again. [MSI]
- Sampled Askam Boreholes, Treatment System, upstream and downstream on Nanticoke Creek, and 2 flow sites for April. Recorded data into sampling spreadsheet and delivered to Earth Conservancy [EC].
- Double-checked georeferenced maps on PHUMMS and what was being uploaded to the Travel Drive. Found out one was missing and added it to PHUMMIS to make 31 geos for October to December 2021. [MSI]
- Looking for maps in the Loomis collier for mosaics and updated the NMMR excel on the M drive. [MSI]

[ ] - Denotes funding source where applicable.