



Eastern PA Coalition for Abandoned Mine Reclamation

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May 2025 Progress Report

Highlights:

- EPCAMR staff georeferenced, mosaicked & digitized mine maps for the **DEP MSI** MMG program. Continued QA/QC of **HU's** Western Middle Anthracite Mosaic work.
- EPCAMR Management staff participated in weekly **PA AML Campaign** calls, a monthly PKN-OAK-REP call with **SCD**, a **PA AMR Conference Committee** call, hosted a quarterly **EPCAMR Board** Meeting, and released 129 **TIC** trout fingerlings into Harveys Creek
- Sampled Askam AMD Treatment System, upstream & downstream on **Nanticoke Cr.** for **EC** & 3 AMD TS, upstream, downstream on **Loyalsock Creek** Watershed for **LCWA** & **SCD**.
- Updated www.TreatMineWater.com; www.EPCAMR.org; & www.AnthraciteHistory.org; administered GobbaDaPile local domain, G Suite for Nonprofits, and social media sites.

Education, Outreach and Admin.:

- EPCAMR Management staff participated in weekly AML Campaign Calls.
- Changed out about 50% of the water in the Trout Tank and added Special Blend beneficial bacteria to help balance the nutrient cycling.
- Sampled Loyalsock Upstream, Downstream, & in/out of 3 treatment systems (Connell B Vein, Connell C Vein and Gutten Drift) with Steve and Frank. Bobby and Morgan came along to aide in the headwater infiltration study photo survey as it was raining. [LCWA]
- Worked on agenda, minutes, and website for EPCAMR Board Meeting coming up this week. Updated the ARIPPA Award Website as well. Started the Treasurer's Report. Updated To-Do list for April, May, & June 2025. Invoiced EC for 1st quarter 2025 Askam Sampling.
- EPCAMR Management staff participated in an AMR Conference Committee Call. We called Toftrees to work out details with contract. Sent tax-exempt paperwork to Toftrees. Emailed a synopsis of the conversation to AMR Conference Committee. Worked on a spreadsheet for the tour. Started a document to collaborate on Watershed "Fireside Chat" Panel. Updated several pages on www.treatminewater.com website.
- Followed up with PKN-OAK-REP team to pick a rain date for site identification next week.
- Completed the Treasurer's Report for EPCAMR Board Meeting and sent to Treasurer for approval.
- EPCAMR staff hosted the EPCAMR 2nd Quarter Board Meeting in the Earth Conservancy Conference room.
- EPCAMR staff counted, placed in buckets, and released 129 rainbow trout into Harvey's Creek.
- Finished 319 reimbursement for Jan-Mar 25 and January Program Manager Progress Report.
- Added Maria Gereda's calendar to the staff calendar on the EPCAMR website. Sent an invite to Join the EPCAMR Development Committee and 30th Anniversary Planning via MailChimp to board members as drafted by Mark Jones, EPCAMR AmeriCorps VISTA. Stopped the EPCAMR TIC Tank live stream and updated the page on EPCAMR to say that "We released

129 trout fingerlings to Harveys Creek on 5/16/25. Please join us again in January when we will have a new batch to raise." Started February Program Manager Progress Report.

- Went to Sam's Club with Mark to get items for the United Way volunteer lunch the next day.
- EPCAMR staff hosted 6 volunteers for the United Way Wyoming Valley Day of Caring who made iron oxide chalk and tie dye t-shirts to sell on our online store as a fundraiser. We were also able to talk to them about EPCAMR's and Earth Conservancy's history and mission.
- Completed February and March Program Manager reports, finished up the 319 reimbursement paperwork, and sent it to PA DEP 319 Program Staff.
- EPCAMR management staff participated in the 2-day 319 Virtual Watershed Planning and Implementation Meeting.
- Sampled Askam Treatment System and upstream/downstream points in the Nanticoke Creek Watershed. [EC]
- Reconnaissance for the PKN-OAK-REP Project. Visited potential monitoring points and brainstormed how to set them up with colleagues. [SCD]

Technical Assistance:

- Searched for Boston Colliery surface maps on PHUMMIS and found 1 not georeferenced. Tried surface mine maps and found 5 all not georeferenced. Georeferenced MSHA_1877-001 a 400 scale map from Shenandoah to Mahanoy City collieries. Searched for Saint Nicholas Colliery surface maps on PHUMMIS and found 2 not georeferenced. One map only showed the old breaker and the other was actually of the Cameron Colliery. Logged in and corrected in PHUMMIS. Searched for Shenandoah Colliery surface maps on PHUMMIS and found 5 all georeferenced, but none were for West Shenandoah Colliery. Searched Turkey Run Colliery (alternate name) and no luck. Searched for Koohinor Colliery surface maps on PHUMMIS and found none. Only a few cross sections for this colliery in all of PHUMMIS. Searched Indian Ridge and found 6 surface maps all georeferenced, but nothing new from Shendandoah City maps found. One was actually a Buck Mountain Vein Underground Mine Map, fixed that in PHUMMS. Added 8 maps found over the past few days to the surface mosaic.
- Searched Maple Hill Colliery on PHUMMIS and found 1 georeferenced map. Also searched Ellengowan Colliery and nothing. Searched Tunnel Ridge Colliery and found nothing. Also searched Tunnel Colliery (in Schuylkill County) for surface mine maps and found 6 maps. Added BMSA_3276-002, BMSA_3593-001, and WBDO_00D-07-18-04 to the surface mosaic. Copied my E drive files over to an external drive for Bobby to start reviewing maps that Shawnese has georeferenced. [MSI]
- Downloaded georeferenced files from Shawnese's Google Drive for March, April and May in preparation for delivery to PA DEP. She reported she is complete (as possible) with georeferencing the KAGE Collection and the spreadsheet is filled out. Next would be to georeference maps in the WBDO collection (both EPCAMR scanned and HACC scanned). [MSI]
- Researched a KMZ file sent by Jim Andrews, PA DEP Pottsville DMO, in preparation for a field recon later in the week. The KMZ show the Pine Hill shaft and the Phonenix Park Shaft among other suggested monitoring locations to consider different from the google spreadsheet. The Pine Hill Shaft is in the Oak Hill mine pool and may have the same elevation as the Oak Hill Shaft, but it is behind an anticlinal ridge, so it could hold a higher pool. The Phonenix Park Shaft looks like a discharge location, but is in the Phonenix Park mine pool. The Lytle-Phonenix Park Shaft, however, is in the Lytle mine pool, but is reported as razed. I explained it will be important to have an elevation monitoring station somewhere in the Lytle mine pool between Jonestown to the east and just past Forrestville to the west, and north of Cass-Branch township boundary. There are 2 anticlinal ridges and a barrier pillar (potential boundaries) that generally run along that township boundary which separate it from the Phoenix Park mine pool. Some complex geologic structures are there with what look like underlap/overlap veins that need to be sorted out as well. [SCD]
- Searched PHUMMIS for Nickerbocker Colliery Surface Maps and found one BMSA_0955. Checked the georeferencing quality and it was off 65 feet. Regeoreferenced the map.

Searched Park surface map 100 scale found 2, searched surface mine map 100 scale found 2. All georeferenced. BMSA_2278-001_B was off 95 feet. Regeoded both map parts. Also regeoded BMSA_2277-001. Searched Primrose surface mine maps and found 3. Regeoreferenced BMSA_2784-001. Searched Vulcan surface mine maps and found 1. Regeoreferenced BMSA_0383-001 as it was off 50 feet. Searched Mahanoy surface maps 100 scale and found 2 not georeferenced. Georeferenced WBDO_00D-09-13. [MSI]

- Added 8 maps to the mosaic for Nickerbocker, Park, Mahanoy, Primrose, and Vulcan collieries.
- Downloaded Office of Surface Mining (OSM) Anthracite Folios to fill in gaps in the Western Middle Surface Mosaic. Looked at the National Mine Map Repository (NMMR) for Locust Gap, Alaska, Enterprise, Buck Ridge #1 - Greenback, Big Mountain, Burnside, Royal Oak, Henry Clay- Sterling, Bear Valley, North Franklin collieries, and maybe others. [MSI]
- Continued bringing in OSM Anthracite Folio surface maps to the Western Middle Surface Mosaic to fill in gaps. Downloaded 35 folios in total to add. Worked from east to west adding folios. Stopped at 7D. Removed BMSA_3276-002 and BMSA_3593-001. Found that Royal Oak (3M, 3L), Sterling (3K, 3J, 3I), Girard Mine, parts of Packer #2 and #5 (8G), and East Bear Ridge (8D) did not have surfaces. Also, parts of Maple Hill (Suffolk) are missing (whole folios 9B, 9F, 9K). Searched NMMR for these as well. [MSI]
- Continued to add OSM folios in the area of the Western Middle field from east to west Starting at 7D. Found North Franklin, Sterling, Burnside, Corbin Excelsior, and Alaska colliery surfaces in NMMR, converted to JPEG, and georeferenced (to make sure they fit). Asked Patrick to SID these maps. Found several WBDO georeferenced TIF maps in the Bear Valley NMMR folder. WBDO_053-01-01 was a surface. Found the corresponding SID in the NotToBeGeo folder of our server, georeferenced it and added it to the surface mosaic. No surfaces for Henry Clay, Big Mountain, Royal Oak, Buck Ridge #1, Greenback, Buck Ridge #2, or Enterprise collieries in NMMR. [MSI]
- Added OSM Folio W4I. Looked for Locust Gap and found WBDO_053-05-01 TIFF in the NMMR folder. Found the corresponding SID in the NotToBeGeo folder on our local server, georeferenced it and added it to the surface mosaic. Nothing more in NMMR for the western portion of Locust Gap. Found NMMR surface map for Girard Colliery. [MSI]

[] - Denotes funding source where applicable.