



Eastern PA Coalition for Abandoned Mine Reclamation

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July 2024 Progress Report

Highlights:

- EPCAMR staff georeferenced, mosaicked & digitized mine maps for the **DEP MSI** MMG program. Continue QA/QC of **HU's** Southern Anthracite Mosaic work.
- EPCAMR Management staff participated in weekly **PA AML Campaign** calls, **POWR** CWO calls; continued to register attendees for the NTTP training and AMR Conference.
- Worked on several computers and drives to upgrade/maintain staff productivity.
- Submitted several reimbursements and worked on proposals to supplement 319 funding.
- Sampled Askam AMD Treatment System, upstream & downstream on **Nanticoke Cr.** for **EC**; 3 AMD TS, upstream, downstream in **Loyalsock Creek Watershed** for **LCWA & SCD**
- Updated www.TreatMineWater.com and www.EPCAMR.org; administered GobbaDaPile local domain, G Suite for Nonprofits, and social media sites.

Education, Outreach and Admin.:

- Heard back from the data recovery service and Shawnese's external drive was unrecoverable. With the recent scare and failure of the Western Digital EasyStore external drives, Bobby and I met to make a management decision to require backups of MSI working files every other week to the Google Drive. This way, at most, there's only a possibility of losing 2 week of data if something goes wrong. We can't afford to trust that hardware will function properly forever. The work would be due no later than close of business on the Monday following the end of the 2 week pay period along with timesheets.
- Updated PA AMR Conference registration database with new online orders. Now up to 9 attendees. Participated in AMR Conference Call with the conference committee.
- EPCAMR management staff met with and took Deb Nardone from Foundation for PA Watersheds on a tour of AMD/AML sites in the Southern Wyoming Valley. Though Deb grew up in the valley, she was not familiar with the AMD/AML issues in the Southern Valley and has been living in State College for many years.
- Discussed and worked on a proposal to treat the Pine Knot, Oak Hill, and Repplier Discharges with Schuylkill Conservation District.
- EPCAMR management staff participated in an AML Campaign Call and later a POWR Community-based Watershed Organization (CWO) call to review the work done regarding statistics from the interviews and survey.
- EPCAMR management staff participated in a Teams meeting with WPCAMR and 319 program staff to talk about close out of our grants that just ended in June and the process for reimbursement for the grants that just started in July. Created 2 deliverables spreadsheets for the 319 program grant close out and uploaded them to EPCAMR's SharePoint to collaborate with Bobby on filling in information.

- Got regular bi-weekly uploads of timesheets and work products to the Google Drive from MSI staff. Extremely helpful in preparing reimbursements and serves as a backup to external drives which cannot be trusted.
- Sent a message to watershed groups that we were opening registration for them to attend the NTTP Passive Treatment System Course in State College in September. OSMRE wants our final numbers by August 1st. Processed more NTTP AMD PTS training and AMR Conference registrations.
- Aided POWR CWO AMD Team with categorizing quotes on Zoom WhiteBoard. Anne was unable to stay the whole time and they were unsure if it would save. As a second Zoom Pro account holder, I could access her account. Encouraged the AMD Team to export the whiteboard to PSF and CSV, but after I closed the Zoom Meeting, I could see the whiteboard saved.
- Sorted out some issues with NTTP AMD PTS training registration with Anne and Andy from WPCAMR. Anne contacted the registrants and reported back in the spreadsheet on EPCAMR's SharePoint. Refunded a registration, put 2 on a waiting list, and removed one AMR Conference registration that was accidentally recorded.
- Added AMR Conference registrations to the OpenOffice spreadsheet and sent confirmations. Updated the tour page on treatminewater.com and worked with the website theme to turn links blue.
- Checked, combined, and e-signed documents in 2 PDFs for the November 2023 to March 2024 Bear Creek 319 Reimbursement. Caught up on timesheets from April to June.
- Loaded up the Second PA Geologic Survey maps we scanned for Penn State University (PSU) geology library and dropped off the drive at the post office.
- Checked, combined, and e-signed documents in 2 PDFs for the April to June 2024 Bear Creek 319 Reimbursement.
- Processed more NTTP AMD PTS training and AMR Conference registrations.
- Printed poster of Nescopeck Creek Watershed water quality for Friends of the Nescopeck.
- EPCAMR Management Staff participated in another AML Campaign Call in the morning and POWR CWO call in the afternoon.
- Processed a batch of AMR Conference Registrations (many from the state). Responded to an article that Mike Korb from Tetra Tech sent along regarding bats living in underground coal mines near Shickshinny from 1995.
- Spoke with Frank about upcoming projects that he could help with now that the POWR CWO survey work is complete. He expressed his need for healthcare and was looking at options to stay part-time. Potentially an OM&R position at EPCAMR as discussed with the Foundation for PA Watersheds (FPW) could bring him on full time with the supplemental grant work that he is currently doing.
- Worked on the Dell all-in-one computer Frank donated. It will serve as a workstation for a VISTA and may work nicely to display videos and interactive maps at our AMR Conference display.
- Completed EPCAMR Program Manager May and June 2024 progress reports. Submitted EPCAMR 2nd Quarter Reimbursement to PA DEP 319 program staff. This was the final to close out the previous grant. Working on closeout and deliverables report.

Technical Assistance:

- Sampled Loyalsock Upstream, Downstream, & in/out of 3 treatment systems (Connell B Vein, Connell C Vein and Gutten Drift) with Steve and Frank. [LCWA]
- Continued to work on Lykens Valley Vein Mosaics and Surface Mosaic for the Southern Anthracite Coal Field. Removed BMSA_4698-001 (Colket Colliery) from LV2, LV3, and LV6 mosaics. Re-georeferenced and added it back to LV3 and LV6 mosaics. Uploaded Lykens Valley Vein Mosaics to MSI SharePoint. [MSI]
- Reviewed Southern Field Mosaic from Steve and discovered he had used National Mine Map Repository (NMMR) TIFF images for some of the maps. Uploaded these to the MSI SharePoint

for Patrick to convert to SID format. Also added georeferenced maps from the past few months to SharePoint. [MSI]

- Georeferenced the 9 NMMR map SID images to TIFF images georeferenced by Steve. Saved a footprint shapefile to expediate the process. Removed the TIFFs from the mosaic and added the SIDs to the mosaic. Used the footprint shapefile to redraw the footprints since I could not just import the shapefile (the TIFFs were named differently). [MSI]
- Sent more NMMR TIFF images to be SIDed. Patrick was able to turn them around quickly. Georeferenced several for Lansford Colliery. [MSI]
- Georeferenced EPCAMR_008219-00 surface map of the Glendower Colliery and added it along with EPCAMR_008323-01 thru 04 and EPCAMR_008324-02 thru 08 to the Southern Field Surface Mosaic. [MSI]
- Fixed the blue SID maps showing up in the Southern Field Surface Mosaic. The NMMR TIFF images show up blue when converted to SID, but we applied a grayscale raster function and enhance band 1 to 100% in the mosaic on individual map images without turning all the maps grayscale. Added BMSA_0668 to fill in a gap near Coaldale in the Surface Mosaic. Submitted Surface Mosaic to DEP via their SharePoint also uploaded georeferenced maps for July.
- Aided Frank with his laptop. Completed and submitted MSI Reimbursement for April to June 2024. Helped Steve troubleshoot ArcGIS online (AGOL) maps that were using the classic Story Map app which has now been retired. Found an AGOL app that wouldn't change the view of the map much called Instant Apps Attachment Viewer, but will need to download images from the table and add them as attachments. Steve will work as time allows to convert the Mill Creek, Tobys Creek and Huntsville Creek CHP Story Maps.
- Sampled Askam Boreholes, Treatment System, upstream and downstream on Nanticoke Creek, and 2 flow sites. [EC]
- Call from Patrick about missing re-georeferenced AUX files from Lykens Valley Mosaics for the Southern Anthracite Field. Sent a list. Also had an intern create tables of maps in each mosaic so I can check if a newer AUX file was created.

[] - Denotes funding source where applicable.