

Completed Projects – 01/25/2023

- **Michael Coal North Tree Planting Project**
 - Completed 26 acres were planted with 31,000 trees. PA Game Commission donated 2,000 trees. American Chestnut Foundation donated 660 American Chestnut seeds and 600 American Chestnut seedlings. 57 volunteers assisted with planting the site.
 - Grants received \$10,000 Rettew Engineering -- \$5,000 Foundation for PA Watersheds
- **Michael Coal South Tree Planting Project**
 - Completed, planted 8 acres with 8000 trees. PA Game Commission donated trees. Volunteers included National Civilian Conservation Corp (NCCC) team (8 members); local citizens (18)
- **Tremont North Project Berm Removal & Tree Planting**
 - Planted 8,000 on six acres in 2014; removed a berm in 2013 that consolidated water runoff. PA Game Commission donated trees. Volunteers included NCCC team (8 members) -- PSU students (6) – local citizens (8)
- **Abandoned Waterline Across Swatara Creek Behind Guilford Mills**
 - Concrete center post and water line removed from stream channel so they could no longer catch debris and back up water.
 - Obstruction behind north end firehouse to address pinch point in stream.
 - Miller Brothers Construction from Schuylkill Haven removed the abandoned waterline and concrete pillars pro bono.
- **Donaldson North Berm Repair Project**
 - DEP repaired berm breached on mountainside north of Donaldson to prevent overtopping and flooding homes below.
- **Wide Awake St. Stream Channel Day-Lighting**
 - Stream was day lighted via buyouts, mostly accomplished; there could be another phase but it would need buy-in from a local business in order to proceed
- **Middle Creek Streambank stabilization**
 - Stabilized 500 feet of highly eroded streambank – partnered with PA DEP Mining Bond Forfeiture site reclamation to reduce sediment to stream above Tremont
- **Upper Swatara Creek US Army Corps of Engineers Watershed Flood Study**
 - Completed for Pine Grove Borough (North Pine Grove) Flood Risk Area but should be expanded to include Swatara Creek from I-81 bridge upstream to headwaters. Please see Ongoing Projects.
- **Pine Grove Borough Stormwater System Study Restoration**
 - Study was completed, grant applied for not funded for implementation. Phase 1 repair of the VFW tunnel was completed but borough was turned down for phase 2 funding. Street drains were cleaned and repaired. Completed a stream cleanup & berm redesign study. Removed pipe bridge obstruction behind north end firehouse to address pinch point in stream.
- **Pine Grove East Mill Street Bridge**
 - Contractor began removal of sediment build up on 04/16/15
 - Completed stream channel work 04/17/15
- **Donaldson Culmbank/Good Spring Creek Restoration Project – Design**
 - Funded through a \$151,022.00 EPA Section 319 Nonpoint Source Program Grant & a \$25,000.00; National Fish & Wildlife Foundation Grant
 - Both grants are closed out

- **Swatara Creek Floodplain Restoration Project – Design**
 - Project will lower area east of Guilford Mills to relieve flooding in North Pine Grove.
 - Consultants completed final design. All permits were received and approved. Which was funded through a \$300,700.00 2014 Growing Greener Grant
- **Expanded Upper Swatara Creek US Army Corps of Engineers Watershed Flood Study**
 - USACE will expand their flood study to develop a model for the Upper Swatara Creek Watershed (Where Swatara Creek passes under I-81 upstream, includes all tributaries to the headwaters).
 - Received flood study report.
- **Good Spring Creek Bridge**
 - Wing-wall narrows down the stream channel.
 - Removal was completed by Tremont Borough due to damages sustained to structure during recent flooding.
- **Donaldson Culmbank/Good Spring Creek Floodplain Restoration Phase 1A**
 - For Phase 1A the Schuylkill Conservation District received \$689,445 in DEP’s Growing Greener funding, \$300,000 in funding through the DCED’s Watershed Protection & Restoration Program and \$25,000 through the Conservation Fund reconstruct six (6) acres of floodplain along 1,500 feet of Good Spring Creek. This new floodplain will help to capture upstream sediment and also retain floodwaters.
- **Geary Wolf Road, Pine Grove flooding**
 - EWP streambank stabilization completed – gravel bar removed and installed approximately 200 linear feet of riprap – Arthur Pat Aungst contractor \$50,000.
- **Echo Valley Streambank Stabilization**
 - EWP streambank stabilization completed – 3 gravel bars removed and installed approximately 300 linear feet of riprap – Arthur Pat Aungst contractor \$52,000
- **East Main Street, Tremont Flooding**
 - EWP streambank stabilization completed - gravel bar removed and installed approximately 120 linear feet of riprap – Arthur Pat Aungst contractor \$21,000
- **Poplar Creek, Tremont Flooding**
 - EWP streambank stabilization completed – 2 gravel bars to be removed and install approximately 475 linear feet of riprap – Arthur Pat Aungst contractor \$133,000
- **National Fish & Wildlife Foundation Chesapeake Bay Stewardship Fund Grant – Good Spring Creek**
 - Received a \$50,000 NFWF grant to identify additional flood mitigation, floodplain restoration and streambank stabilization projects in the Good Spring Creek Watershed
 - Consultant has completed report and report is available upon request
- **Swatara Creek Floodplain Restoration Phase #1 Construction Project**
 - Project is located on the eastern back of Swatara Creek east of the Guilford Mills facility
 - Project created 10.5 acres of floodplain along with 5.38 acres of wetland habitat along 2,500 feet of Swatara Creek
 - Project construction cost was approximately \$2,576,000.00
 - Guilford employee volunteers planted ~ 300 trees in the floodplain
- **Swatara Creek Floodplain Restoration North End Streambank Stabilization Project**
 - Project completed at a cost of \$184,965.00 by low bidder was Flyway Excavating, Inc
 - Project installed five rock vanes and toe boulders to stabilized 500 feet of streambank along Swatara Creek on North End Fire Company property and removed a gravel bar that formed at the inlet of the Swatara Phase 1 Floodplain project

Funding Received/Ongoing – 01/25/2023

- **Donaldson Culmbank/Good Spring Creek Restoration Project Phase 2**
 - The project will lower and reconstruct eighteen (18) acres of floodplain along 4,600 feet of Good Spring Creek. This new floodplain will help to capture upstream sediment and retain floodwaters.
 - Received \$2,000,000.00 to the 2017 Abandoned Mine Land Reclamation Economic Development Pilot Program with an additional \$6,100,102.92 from the PA Abandoned Mine Land Reclamation Program
 - Heim Construction is again working at site now that site conditions have improved. Anticipate construction complete by end of summer 2022.
 - PG High School – Tri Valley High School – Northern Swatara Watershed – Tremont Borough – Frailey Township Volunteers planted 3 acres with 3000 trees / shrubs.
 - Construction expected to be complete by September. Floodplain seeded and mulched hope to get that stabilized before changing flow of stream at west end.
 - Additional 3000 larger trees planted by contractor
 - **Monitoring of project stabilization and vegetation establishment**
 - **Recreational Park / trail work will be completed under a Frailey Twp. PA DCNR Grant. Park construction work was bid but no contractor was selected due to low bid being higher than grant funding available.**

- **Swatara Creek Floodplain Restoration Phase #2 Project**
 - Additional Swatara Creek Floodplain Restoration Phase 1 Growing Greener Project will be utilized to design floodplain restoration, streambank stabilization and habitat improvement along Swatara & Upper Little Swatara Creeks within Pine Grove Borough and Township
 - Schuylkill County received DCED CDBG funding to construct this project. A portion of the remaining Growing Greener grant Swatara Phase 1 construction funding will be used to construct this project
 - Project scope and design is under major revision. Removing Concrete floodwall and floodplain restoration work in the Swatara and Upper Little Swatara confluence due to lack of sufficient benefit compared to cost. Project in that area would only provide 2 inches of floodwater height drop versus million(s) dollar cost.
 - Plan is to construct project with floodplain restoration and wetland creation to the west of Roots Farm property as originally designed which will provide floodwater height reductions in the Upper Little Swatara Creek and slow flows reaching the Swatara confluence.
 - Ongoing discussions with landowner about potential buyout of the property
 - Entire Pine Grove Homes site would have the potential to provide substantial floodwater height reductions.
 - **Project request for bids was announced on December 16th; the construction pre-bid meeting was held January 10th and the public bid opening will be February 1st at 9:00am in the Commissioners Board Room.**

- **Swatara Creek Floodplain Restoration Phase #3 Project**
 - Additional Swatara Creek Floodplain Restoration Phase 1 Growing Greener Project will be utilized to design floodplain restoration, streambank stabilization and habitat improvement along 5,000 additional linear feet of the Upper Little Swatara Creek upstream of Sweet Arrow Lake on Park property
 - A portion of the remaining Growing Greener grant Swatara Phase 1 construction funding will be used to construct this project
 - LEW Site Construction, LLC was low bidder at \$699,740.00
 - Project consists of “laying” the vertical streambanks back to a more stable 4:1 slope and planting the banks with native plants, shrubs, and trees to provide long-term stability.
 - Streambank stabilization and fish habitat structures are also being installed to improve streambank stability and provide additional fish habitat to enhance the stocked trout fishery.
 - Construction is 95% complete.
 - Planting of trees and shrubs in the spring is the remaining construction task.

- **Swatara Creek Streambank Stabilization & Floodplain Creation at Ravine**
 - SCD received a PA DEP Section 319(h) Nonpoint Source Management grant in the amount of \$240,000.00
 - Project will develop a design to stabilize Swatara Creek’s severely eroded streambanks while creating floodplain in the section of stream between Molleystown Rd and the Route 125 Bridge by Jeck’s.
 - Consultant is developing project design.

- **Good Spring Creek Headwaters Stream Restoration Design and Permitting**
 - Received a PA DEP Environmental Stewardship and Watershed Protection (Growing Greener) Grant in the amount of \$81,000.
 - Design and permit a stream restoration project along 1,500 feet of Good Spring Creek near the Village of Good Spring that will create floodplains and wetlands, reduce sediment and nutrient loading, and reduce flood frequency and severity to downstream communities.
 - Project is for Sites 5,6,7,8, 10 & 11 as identified in the Good Spring Creek Watershed Restoration Plan developed in 2020 through a National Fish & Wildlife Foundation Grant.

- **Guilford Mills Water Treatment Facilities.**
 - Project would decommission Guilford Mills current wastewater treatment plant and send Guilford’s raw wastewater to be treated at the Pine Grove Joint Treatment Authority’s (PGJTA) wastewater treatment plant.
 - Once decommissioned the Guilford treatment plant site would be incorporated into the Phase 1 floodplain restoration project.
 - PGJTA decided to not move forward/continue the project.

- **Good Spring Creek Floodplain Restoration – Tremont Nursing Home Area**
 - Met with LandStudies to discuss the potential of completing a floodplain restoration project on Good Spring Creek in the area across from the Tremont Nursing Home

- This project and mitigation strategies will be listed in the NFWF report referenced in the previous bullet.

- **Franklin Coal Company Floodplain Restoration along Swatara Creek**
 - Consultant developed initial concept plan to create floodplain along Swatara Creek in Ravine
 - Need to set up meeting with landowner to present plan and receive feedback.

- **Pine Grove Borough Storm Drain/Drainage Problems**
 - Survey of storm drain system was completed by Pine Grove Borough's engineer.
 - Next step will be to move forward with finding funding to implement storm drain improvements and repairs (Stormwater Authority creation?)
 - Borough resubmitted FEMA Building Resistance in Communities (BRIC) grant application

- **Old Railroad Bridge Downstream of Route 443 Bridge on Swatara Creek**
 - The center pier of the railroad bridge should be removed to minimize jamming of debris.

- **Tremont Borough Storm Drain/Drainage Problems**
 - Borough is working with the Army Corps of Engineers.
 - Borough should soon receive report from Gannet Fleming and Army Corps of Engineers on flood mitigation alternatives related to stormwater/street flooding and Good Spring Creek flooding

- **Poplar Creek, Tremont Flooding**
 - Need assessment of best options to minimize flooding.

- **Fulltime Flood Recovery Manager Position**
 - High Priority Need
 - County submitted a FEMA BRIC grant to fund the hiring of a consultant for a three-year period