

Rothrock State Forest District

2022 ACTIVITY PLAN

The mission of DCNR Bureau of Forestry is to conserve the long-term health, viability and productivity of the Commonwealth's forest and to conserve native wild plants. One of the ways the bureau carries out this mission is through the [State Forest Resource Management Plan](#) (SFRMP), a document that guides the management of the 2.2 million-acre state forest system. The SFRMP is updated approximately every 5 years and includes an extensive public engagement process.

One of the policies in the bureau's strategic plan ([Penn's Woods: Sustaining Our Forests](#)) includes, "Public participation will be an integral part of the management of state forest lands." The purpose of this Activity Plan is to communicate to the public about upcoming management activities, projects, and events that will be conducted to implement the SFRMP on Rothrock State Forest. This document will be revised at the start and middle of each calendar year to provide sufficient time for public review, questions, and feedback. The bureau is committed to considering the views and perspectives of the public and stakeholders and strives to accommodate public interests in planning management activities and decision making. We encourage comments or questions regarding planned or proposed activities be directed to the state forest district conducting the activity.

For questions, comments, or more information about this plan, please contact:

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RECREATION

Projects:

- **Musser Gap / Hale Tract Area** - New Trail Construction (Musser Gap Area) – The PA Parks and Forests Foundation (PPFF), Friends of Rothrock (FOR) have been awarded \$387,700.00 in grants from DCNR and the Happy Valley Adventure Bureau to fund new trail field-design, construction, and project management in the Musser Gap area, which will utilize professional trail builders. PPFF has contracted with Applied Trails Research to design and manage the upcoming trail construction. In conjunction with the new trail design and construction, District Staff will continue to finish trail improvements on the existing Musser Gap Trail. The improvements will consist of a major trail reroute involving mechanized equipment where the trail goes through Musser Gap. It will also include the construction and installation of puncheon and foot bridges in various locations along the trail. DCNR in-kind grant match work began in July 2021.
- **Musser Gap Parking Area** – A new CXT Latrine will be installed in the parking area at Musser Gap.
- **Lonberger Trail** – Lasting improvements are scheduled to be completed along sections of the trail identified as problems or potential problems. These areas have been identified with the assistance of local clubs. Work will be completed by DCNR staff and volunteers.
- **Croyle Trail** – DCNR Staff will correct drainage issues on the lower half of Croyle Trail to control runoff and improve user experience.
- **John Wert Path** – A section of trail near Bear Meadows Road was frequently flooded in 2021 due to rising water levels along Sinking Creek. The tread along this section of trail is scheduled to be raised and a culvert installed. Work will begin as soon as conditions allow in the spring of 2022. This project will be completed with the help of volunteers and funding from NMBA (Nittany Mountain Bike Association).
- **Bear Meadows Loop Trail** – This trail was assessed for necessary trail improvements in 2017. The improvements will enhance user safety and enjoyment as well as trail sustainability. In 2019, DCNR, the Friends of Rothrock, Conservation Volunteers, and the PA Outdoor Corp cleared and widened the trail in preparation to install a rustic puncheon style elevated walking

surface. In 2020 DCNR acquired the needed material for approximately 800 feet of puncheon and began staging the material on site. In 2021 the Friends of Rothrock cleared and widened the trail in preparation for the Pennsylvania Outdoor Corps and Boy Scout Troop 245 to begin puncheon installation. The PA Outdoor Corp installed approximately 200 feet of puncheon in September 2021 and Scout JP Zeiders of Boy Scout Troop 245 also installed approximately 200 feet of puncheon for his Eagle Scout Project. The Friends of Rothrock are planning on installing more puncheon in 2022.

- **Brush Ridge Trail** (Coopers Gap Area) – A portion of Brush Ridge Trail off Spruce Mountain Road will be rerouted by DCNR staff to incorporate sustainable trail building features and improve trail user experience. Work will commence during the 2022 season.
- **Laurel Run Trail** – A small reroute will be completed to reduce the number of bridges required along Laurel Run Trail near Trough Creek State Park. Permitting has begun to replace dilapidated bridges that were previously removed. This work will be completed by DCNR staff with assistance from The Friends of Trough Creek State Park.
- **Pine Hill Picnic Area** - A new CXT Latrine will be installed in the Pine Hill Picnic Area.

Organized Events

- January 15th, 2022, Greenwood Furnace Snowfest and 5-Miler, Trail Run
- April 24th, 2022, Seasons of Rothrock – Whipple Dam, Gravel Ride
- May 1st, 2022, Greenwood Furnace Trail Challenge, Trail Run
- May 14th, 2022, YMCA Duathlon, Trail Run and Gravel Ride (*tentatively scheduled*)
- May 22nd, 2022, Rothrock Trail Challenge, Trail Run
- May 24th to May 28th, 2022, Transylvania Epic Mountain Bike Race
- June 11th, 2022, Rothrock Grit, Gravel Ride
- July 14th to July 17th, 2022, Bald Eagle Dual Sport Rally
- July 23rd, 2022, Wilderness 101, Mountain Bike Race
- August 7th, 2022, Centre HomeCare 10K, Trail Run
- August 25th to August 28th, 2022, Transylvania Epic Gravel Race
- September 10th & September 11th, 2022, PSU Cycling Club Collegiate Race, Mountain Bike Race
- September 18th, 2022, YMCA Triathlon (*tentatively Scheduled*)
- September 25th, 2022, Seasons of Rothrock – Greenwood, Mountain Bike Race
- October 23rd, 2022, Tussey MountainBack 50, Ultramarathon

TIMBER MANAGEMENT

Marked and sold, potentially active

- Conklin and Coopers Gap Roads (two age buffer, overstory removal, shelterwood): A 158-acre timber sale on Sand Hole Ridge was marked in the summer and fall of 2020 and sold in the spring of 2021. The stands have excellent tree regeneration and areas of the overstory have seen repeated defoliation by oak leaf roller and anthracnose, as well as gypsy moth. Overstory removal and two age buffer treatments will release tree regeneration while a shelterwood treatment will be implemented to encourage tree seedling establishment. There are no plans of fencing these treatment areas. Haul roads and landings were constructed in 2021 and harvesting could begin as soon as weather permits in 2022.
- Pine Swamp Road: Located near Pine Swamp Trail and buffering the Mid-State Trail, in Jackson Township, Huntingdon County.: (1st stage shelterwood,): 212 acres have been sold to Jacob Swarey along Pine Swamp Road in the Rudy Ridge Landscape. This sale was sold via competitive bid in late 2018 and is currently active. Treatment is focused on improving regeneration across an area that currently has minimal desirable regenerating tree seedlings. This shelterwood treatment will focus on removing the low quality and smaller trees to get regeneration started in some areas of the sale and to improve existing regeneration in others.
- Trough Creek (Coal Removal Sale) (overstory removal): This 288-acre sale will include both overstory removal treatment blocks and shelterwood treatment blocks. The overstory removal blocks (176 total acres) were treated with a shelterwood harvest in 2011. The shelterwood removed just enough of the mature trees to allow some sunlight to reach the ground and help regeneration become established. The regeneration has responded quite well and has reached the point where the remainder of the overstory trees can be removed to allow space for the competitive seedlings. The shelterwood blocks (112 total acres) were mowed several years ago and the smaller, undesirable trees and competing vegetation were removed. Now, more of the smaller, low quality trees will be removed commercially to begin the regeneration process. This timber sale became active in the summer of 2020 and will be worked on over the next year or two.

- **Brickyard Short Mountain Timber Sale: (overstory removal, shelterwood, two-age, and group selection):** A 170 acres timbersale harvest located on Short Mountain, within the Stony Point Division, will include shelterwood and overstory removal treatments. The area is north of Alexandria in Porter and Morris Townships, Huntingdon County. A portion of this area was treated with a shelterwood harvest in 2011. Areas with established, desirable tree seedlings will be treated with an overstory removal to release those seedlings. A shelterwood treatment will be applied to areas where seedlings require disturbance to become established. A two-age and group selection treatment will be implemented within the stream and road buffers as appropriate. Logging operations were completed in fall 2021 with retirement and seeding of the site to be conducted spring 2022.
- **Brady Road Salvage: (overstory removal/two-age):** A 128-acre timber sale that consists of 38 acres of overstory removal and 90 acres of two-age removal. It is located NW of Brady Road in the Stony Point Division, in Franklin Township of Huntingdon County. The goal of the sale is to recover value in the dead and dying chestnut oak overstory due to anthracnose brought on by consecutive excessively wet years. Various native coniferous trees will be planted before and after the sale to increase regeneration and species diversity. Harvesting operations began in August of 2021. Blocks four and five were completed in November and the buyer chose to suspend operations for the winter. Harvesting will begin again when conditions allow in the spring of 2022.
- **Trough Creek Division: (John Tar Point sale)** A timber sale consisting of 222 acres has been marked and sold adjacent to Jon Bum Road in Cass Township. The treatment that will be implemented on much of this site will be an overstory removal, except for the road buffer will be treated as a Two-Age (where more trees are reserved). This sale will allow the existing, natural seedlings on this site to be released and regenerate into a new forest. This sale was sold in the late summer of 2021 and is currently active.
- **Krise Valley/Crowfield Roads Area:** There will be an overstory removal (the Triad Sale) within five deer fence enclosures in three areas in the northern part of the Rothrock State Forest. Two of the fences are on Krise Valley Road, two on Crowfield Road (along the Underwood Trail), and one on Bechtol Road. All three areas have ample regeneration established in them. This timber harvest will aim to remove most of the larger trees in order to allow the seedlings to take over and form a new stand. This sale was sold in the fall of 2020 and is currently active.
- **Trough Creek Area: (overstory removal):** A 211-acre overstory removal has been marked and sold between Coder Road and John Bum Road. Harvesting on this sale began in November of

2021. The sale will be accessed by the snowmobile trail from the Coder Road. The primary goals of the sale are to improve stand health and wildlife habitat by releasing tree regeneration (seedlings). There are no plans of fencing these treatment areas.

Marked but not yet sold

- Laurel Run Road (1st-stage shelterwood, overstory removal, group selection): A 115-acre timber sale is planned along Laurel Run Road, within the Rudy Ridge Landscape on the north-side of Laurel Run between Beidler Road and Sand Knob Shale Pit in Jackson Township, Huntingdon Co. The sale will incorporate primarily 1st-stage shelterwood and group selection treatments along with a component of overstory removal harvest in an area with extensive advanced regeneration. The goal will be to begin the process of successfully regenerating multiple forested stands, particularly stands with a large component of dying eastern hemlock. Marking will be completed by early spring with the sale then going out for competitive bid. An herbicide project to control barberry has been completed on this site.

Proposed (not marked yet)

- Harrys Valley Area: (overstory removal, two-age, and shelterwood): An approximately 200-acre sale area is being laid out along both sides of Harrys Valley Rd in proximity to the two-existing deer exclosure fences. This area is showing signs of mortality and dieback of the overstory trees from recent stresses that include gypsy moth defoliation, frost and hail damage, and anthracnose. The sale is currently being scouted and boundaries determined followed by survey plots and a written sale proposal. It is anticipated that the site will be marked later this summer and then offered for sale in late fall to early winter. Additional deer fencing is not anticipated.
- Alan Seeger Road near Greenwood Tower: Approximately 175-acres is being planned for overstory removal and two-age buffer treatment. This is the second sale to be planned for the mountain-top flat, aimed at establishing young, early successional forest habitat for species such as ruffed grouse, turkey, deer, and songbirds. This sale will be marked and placed for bid in the spring of 2022.
- Two sales in the Greenwood Division are in the early planning stages. The sales include the deer fence area near the Coopers Gap and Kettle Road intersection as well as the two deer fences near Conklin Road at the Indian Trail. Seedling development will be assessed in 2022 to determine when a silvicultural treatment will be planned for these areas.



- Laurel Run Road (overstory removal): An approximately 110-acre sale is planned inside three deer enclosure fences that received a shelterwood treatment in 2008. The regeneration is established. Survey plots are being completed and proposal is started. Marking will begin this spring and it should be offered for sale this summer or early fall.
- Crowfield/Boal Gap Roads: (overstory removal and two-age treatment) an approximately 350-acre timber sale is being laid out between Crowfield and Boal Gap Roads. This sale will include about 50 acres of two-age treatment in the road buffer while the remaining 300 acres will be overstory removal. Most of the trees are of low quality on this site, so the focus of this project is to improve the wildlife habitat through the implementation of this timber harvest. The logging activity will effectively open the canopy to allow more sunlight to reach the forest floor which will stimulate many new trees, shrubs, and forbs to germinate. This should result in a flush of new growth that will greatly benefit many types of game and non-game species of wildlife. This sale will be sold in the summer of 2022 and could become active in late 2022 or early 2023.
- Laurel Run: (overstory removal) An approximately 70-acre timber sale is be planned inside two deer fence enclosures that are close to Laurel Run Road. These two fences were treated with a shelterwood harvest about 6 years ago. Following the previous treatment, the regeneration has responded very well, and it is now time to remove the overstory. This sale will likely be sold in 2023 so the sale will probably not be active until late 2023 or thereafter.

Regeneration projects

- Deer enclosure fence removal project is planned for two deer enclosures along Turkey Hill Road, just south of Route 305 and west of Greenwood Furnace State Park. Tree seedling development has been monitored in these fences for several seasons following the last timber harvest in 2016. Once seedlings attain adequate numbers and height growth fences can be removed. The fence removal project was bid out in 2021 and work may begin in the spring of 2022.
- Deer enclosure fence removal project is planned for a single fence on the Locke Valley Tract. Seedling development following prescribed burn and harvesting has reached adequate numbers and height growth to replace the previous stand. The project was bid out in 2021 and work may begin in the spring of 2022.
- The removal of the last two deer fence enclosures on Treaster Kettle Road is planned to take place in 2022 or 2023. These fences are located in Harris Township, Center County. The

remaining timber was harvested within these fence enclosures in the spring of 2016 and the regeneration has responded very well. Now that most of the seedlings have entered the sapling stage, they are out of the reach of deer. The fences have served their purpose and now must be removed.

RESTORATION AND HABITAT PROJECTS

- An effort is being made this year to continue re-evaluating the conditions of the various permanent herbaceous openings (PHO's) to see if they are still viable and what work is needed to improve them for the future. Work will then begin to mow, reseed, and improve them over the next few years as time, funds, and workloads permit. They will also be known from now on as Special Wildlife Management Areas (SWMAs).
- The Greenwood Division of the Rothrock SF has approximately 50 wildlife openings established in the mid-1970's aimed at habitat improvement for wild turkey and ruffed grouse. Unfortunately, these openings were planted with invasive shrubs. Ten openings have been identified for continued maintenance while the remaining ones will be treated for invasives and allowed to regenerate naturally with trees. Those openings will eventually become part of the surrounding stand.
- A stream habitat improvement project is planned for Laurel Run, upstream from the 2019 and 2021 project area. Habitat improvement structures, consisting of primarily large woody debris (LWD) will be installed at various locations for over 1,000 feet of stream. These structures will provide shelter and hiding cover for brook trout and create vital young of the year habitat areas in addition to stabilizing stream bed and banks and reducing erosion. This work will take place over two weeks in early fall.

ROAD AND BRIDGE PROJECTS

- Spring 2022 – 900 tons of 2A limestone will be placed on Allensville Mountain Road using Liquid Fuels funding, continuing where we left off in 2021
- Community Work Program, Dept. of Corrections, Rockview State Prison - cutting brush along roadside edges – New agreement is in place but on hold until prison is permitted to resume Community work projects off prison grounds, due to covid restrictions
- Spring 2022 -- Spread 7,710 tons of 2A limestone on the section of Tar Kiln Road from the intersection of John Bum Road, easterly to the state forest boundary in the Trough Creek Division.



- Spring 2022 -- Placement of 4,817 tons of DSA on Kepler Road, starting where the 2018 project left off and continuing toward Route 26 in the Stony Point Division.
- 2022 – Act 26 Bridge Maintenance Project - contractor will begin working on 7 different bridges across the district conducting structure repairs, sealing wooden structure parts, improving scour protection, caulking concrete joints, replacing guiderail, etc...
- 2022 – Ongoing design – structure replacement at the intersection of Martin Gap Road and Gessler Run Road. Culverts failed in 2021 and roadway currently is weight restricted at 3 tons. The installation of the new structure is anticipated in 2023.
- Summer 2022 -- Road base repair on Laurel Run Road on the north end by digging out the base and installing geotextile fabric, replacing it with 4 minus stone and then topping with 2A limestone. Project is in coordination with the Center for Dirt and Gravel Roads.
- Spring/Summer 2022 -- build up the base on Trough Creek Drive, through Trough Creek State Park (adjacent to the ball field) with 4 minus stone and top with 2A limestone.
- 2022 – Install underdrain along Tram Road, Treaster Kettle Road, Greenlee Road, Conklin Road and Brady Road as time permits.
- 2022– work on regrading, opening drainage and adding shale on Bechtol Road
- Summer/Fall of 2022 -- Breaching and cleaning up of the Tea Creek Dam
- Summer 2022 -- Regrading and shaping the DSA that has been placed in past years on Stone Creek Road, Kettle Road, Conklin Road, Pine Swamp Road, Laurel Run Road and Colerain Road.

PRESCRIBED FIRE

Currently, there are no areas in consideration for prescribed fire treatments within the Rothrock State Forest.

INSECT, DISEASE, AND INVASIVE PLANT TREATMENTS

- Insect and disease monitoring and reporting will continue in 2022 and will focus on the priority list provided by the Division of Forest Health. Report forms will be forwarded to Forest Health Area Specialist from the District I&D coordinator for ground truthing and possible control efforts for reported insect and disease problems. Aerial survey flight(s) will be conducted in late June/early July to detect possible problem areas as well. Aerial defoliation surveys were not conducted on the Rothrock in 2021. On the ground surveys will continue to take place to monitor insect and disease problems and populations.
- Egg mass surveys for *lymantria dispar* (formally known as gypsy moth) were conducted in the fall of 2021. These surveys are necessary to assess the district’s need for a spray program for 2022. Since the district has a building population, eighteen spray blocks have been proposed for the 2022 program for approximately 3,300 acres of Rothrock State Forest. These spray blocks are located along the Route 26 corridor east to Route 322 in the Whipple Dam and Greenwood Divisions of the Rothrock. Spraying on the Rothrock is slated for the month of May, weather dependent. The Bureau of Forestry will again have a sizable spray program, over 200,000 acres



across multiple counties. This program will be conducted on public land only, as private lands are no longer included in the Bureau of Forestry’s spray program. Egg mass counts will resume in the fall of 2022, to assess the need for a program in 2023.

- Treatment efforts for invasive plants will continue in 2022. Highest priority for control is given to new infestations that are smaller in size where eradication is still a possibility. Japanese Angelica Tree, Oriental Bittersweet, and mile-a-minute vine are just a few species slated for ongoing treatment. Surveys for additional infestations will continue as will control efforts to prevent larger areas from expanding. Foresters continue pre-emergent treatments for Japanese stiltgrass leading into timber sale areas.
- The invasive spray project conducted on the Locke Valley tract in the fall of 2017 will be surveyed in the early spring 2022 to determine the current success, retreatment of needed locations, and direction of future treatments. The invasive spraying is the first step in restoring the riparian buffer of Craig’s Run for wildlife habitat improvement, namely for species such as woodcock and ruffed grouse. The district is also exploring the possibility of contract mowing areas heavily infested with invasive shrubs.
- There are two invasive species control spray projects being laid out. Contract herbicide spraying is being planned for on the Musser Gap and Hale Tracts, Centre County, to control Oriental Bittersweet, Japanese stiltgrass, and invasive shrub populations. Spraying is expected to occur during this spray season.

NATURAL GAS, OIL, AND OTHER GEOLOGIC RESOURCE DEVELOPMENT

- Presently, there are no natural gas and or oil development activities taking place or immediately planned within the Rothrock State Forest.

TOWER AND RIGHTS-OF-WAY PROJECTS

- First Energy: Mowing and herbiciding vegetation control work on high voltage transmission lines.
- Valley Rural Electric Coop – Vegetation control work.
- Dominion Pipeline – vegetation control work
- Texas Eastern pipeline – vegetation control work

OPPORTUNITIES FOR PUBLIC ENGAGEMENT

- Due to covid concerns and difficulties with scheduling and planning, the Rothrock State Forest did not participate in the 2021 Walk in the Woods. Hopes are, to have a Walk in the Woods event on the Rothrock in 2022!! Check back with the Walk in the Woods website, for upcoming details. <https://sites.psu.edu/walkinpennswoods/>
- **Be sure to check our [Facebook Page](#) for the most up to date information related to the Rothrock State Forest, activities, and events.**

SPECIAL PROJECTS

- Spring 2022 – Setting up maintenance and trade training for the maintenance repairmen 2’s in the district. The District hopes to get them enrolled in a welding class this summer.

RESEARCH

Researchers from Penn State University continue conducting a multi-year project called the Deer-Forest Study on the Rothrock, Bald Eagle, and Susquehannock State Forests. This study looks at better understanding the role of deer in context of the many challenges that PA forests face including invasive species, insect outbreaks, soil acidity, tree diseases, and even deer themselves. The goal of this study is to help forest and wildlife managers better manage deer and the forests. This is a cooperative project with researchers from PSU, US Geologic Survey, PA Game Commission, and DCNR Bureau of Forestry. This study area is 25-40 square miles in size and is in the north-eastern most part of the Rothrock State Forest. 2022 is the ninth year of this research project.

Researchers from Penn State University are conducting the “Shale Hills Study” in which they are looking at water flow. The two sites that have activity are along Harry’s Valley Rd on Tussey Mtn. 2022 is the ninth year of this research project. More information on this research may be found at this [link](#).

- Researchers from Penn State University are conducting research on the success of oak regeneration 10-years after the harvest. This research is part of state-wide research project that looks at all forest districts that complete oak forest type regeneration harvests.
- Riparian buffer research and demonstration site located at Rock Springs (Ag Progress Days) has been proposed by DCNR-BOF, Centre County Conservation District and Penn State staff. This partnership between the 3 entities will focus on establishing a conservation cover (grasses,



pollinators, etc.) in a traditional buffer and a multifunctional buffer. Once this cover has been established, seedlings and shrubbery will be planted. Research results will determine if the seedlings/shrubbery can survive the competition from the cover plants and if invasive plant growth will be prohibited/delayed. Progress has been made in establishing the new buffer demonstration site (mapping, mowing). Planting of the traditional buffer demonstration element and herbicide application to control invasive species was completed spring 2021. Work on this project continues in 2022.

- Leading Ridge Experimental Watershed – established in 1958, ongoing research by Penn State University. This is the longest researched watershed in the country. Much applicable research has been published from this project. Future research is to include a better understanding of water, nutrient, and sediment export in streams based on historical changes in a forested landscape.

EMERGENCY RESPONSE/SAFETY

On November 30, 2021 Rothrock Forest District lost our Forest Fire Specialist Supervisor Daniel D. LeCrone following complications from knee replacement surgery. The loss of Dan has hit this staff and the many friends and colleagues in the emergency management services near and far, quite hard. His passing has left an incredible void in not only our hearts but also in the program areas of forest fire suppression and prevention. However, Dan was a true believer in succession planning and through his work and training the district staff and all our EMS cooperators will pull together and continue with the great work that Dan set up for us.

7 Wildfires that impacted 95 acres were responded to in 2021

Nearly 75 Wildland Firefighters were trained in the district at various levels.

Forest Fire Wardens received requested and required training in the district in 2021.

MAJOR ACCOMPLISHMENTS FROM PREVIOUS YEAR

- The greatest accomplishment of the team at Rothrock for 2021 was their cooperation, perseverance, and dedication, as they all maneuvered through the challenges associated with the ongoing pandemic. They all continued to produce great work aimed at conserving the Rothrock's resources and providing for the safety and enjoyment of our visitors. District staff continued to serve our customers, work on great projects with our stakeholders and conservation partners and serve the citizens of Pennsylvania.
- Various regeneration projects that were listed from last year were completed as described.



General Trail Maintenance and Enhancements: Every year, numerous miles of trails are maintained and improved throughout the Rothrock State Forest. This work ranges from brush cutting, blazing, signage, trail tread improvements, dead tree removal, relocations, etc. This work is completed by staff, volunteers, and recreation clubs such as Nittany Mountain Biking Association, Friends of Coopers Gap, Standing Stone Trail Club, Mid-State Trail Association, and several others.

- Many outreach and educational programs were cancelled due to COVID-19 restrictions in Centre and Huntingdon Counties. Events that were cancelled included Tree City USA and Arbor Day programs, local school Family Science Fairs, Centre and Huntingdon Counties Envirothon and STEM Educational Programs. The Timber Show and Ag Progress Days located at Rock Springs were scheduled to occur this year. Timber Show occurred June 4th and 5th with the Bureau of Forestry staffing the DCNR booth, and Ag Progress Days was held August 10th, 11th and 12th, with the Riparian Buffer Demonstration tour a highlighted event.
- CFM major accomplishments for Centre County in 2021 included:
 - Landowner property visits/evaluations totaled 89 and consisted of many Forestry practices including invasive control, tree planting, wire deer exclosure fencing installation, habitat improvement, riparian buffer installation, et. al.
 - The 1st Phase of the multifunctional riparian buffer demonstration project installation located at Rock Springs (Ag Progress Days) was completed. Site preparation, tree planting and protection of “traditional” riparian buffer establishment were elements of Phase 1. Phase 2, “non-traditional” riparian buffer installation and Phase 3, installation of a project wide cover crop consisting of various grasses and pollinators, are scheduled for completion in 2022.
 - Reviewed/approved 16 Alliance for the Bay “Network” Forest Management Plans consisting of 1,017 acres.
 - Reviewed/approved 14 Multifunctional Riparian Buffer Plans consisting of 73 acres with a total installation cost of \$726,977.86 (\$9,907 per acre).
 - Reviewed/approved 2 NRCS CAP 106 Plans consisting of 2,296 acres.
 - Reviewed/approved 2 Forest Family Carbon Program Management Plans consisting of 738 acres.
 - Reviewed/approved 2 Golden-winged Warbler Plans consisting of 82.7 acres.
 - Site inspected/approved dozens of NRCS EQIP practices consisting of hundreds of acres.
 - Reviewed/approved 3 Tree City applications and 1 Tree Campus application.

- Reviewed/approved 5 TreePennsylvania planting plans for 4 communities consisting of 81 bare root saplings.
- CFM accomplishments for Huntingdon County in 2021 included:
 - Numerous landowner property visits/evaluations/phone conversations consisting of information and education on sustainable forestry practices including invasive plant control, forest health concerns, timber harvesting, tree planting, habitat improvement, riparian buffer installation, forest management plan development, etc.
 - Reviewed/approved 14 Alliance for the Bay “Network” Forest Management Plans consisting of 1,758 acres.
 - Reviewed/approved 5 Forest Family Carbon Program Management Plans consisting of 681 acres.
 - Reviewed/approved 5 Multifunctional Riparian Buffer Plans consisting of +-20 acres.
 - Assisted USDA Natural Resources Conservation Service (NRCS) staff with property visits and assessments for federal funded Environmental Quality Incentives Program (EQIP) practices.
 - Multiple Forest Stewardship Plan updates for forest landowners.
 - Reviewed/approved Huntingdon Borough Tree City application.
- Nine forest-fire prevention and other educational programs were completed by our Forest Fire Specialist Supervisor, Forest Fire Wardens, and employees across our service area. (Just a note, plenty of requests were received but due to COVID-19 we were severely limited to how much we could participate.) Support of Staff and the District’s Forest Fire Wardens (volunteers) are critical to this programming and their hard work and dedication is truly appreciated.
- Under the Department’s Mutual Aid Agreement with the US Forest Service, five staff members provided wildfire suppression assistance multiple times to the state of Idaho.
- Through the Volunteer Fire Assistance Grant program \$12,310 dollars was awarded to two local Fire Companies to help with Wildfire response.
- Completed spreading 900 tons of 2A limestone on Allensville Mountain Road using Liquid Fuels Funding
- Completed - A new 3 bay maintenance storage building at the Trough Creek Maintenance facility.
- Rehabbed/Decommissioned the main skid trail on the Hale property