

FRANKLIN COUNTY CONSERVATION DISTRICT

# Annual Report

## 2022

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Partnering with our  
community to conserve  
soil and water resources



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## A Message from the District Manager

Thanks for taking time to read Franklin County Conservation District's 2022 Annual Report. I hope you gain a good sense of appreciation for the amount of work the District staff accomplished in 2022. Following is a high level overview of some of these accomplishments, but I encourage you to read the entire report to gain a better perspective of what the staff has done this year.

In the Spring we had a change of guard in the Watershed Specialist position. After 18 years with FCCD, Tammy Piper decided to make a career change. Fortunately, she was able to give several weeks of training to Emily Hartley, the new Watershed Specialist. Emily just graduated from Juniata College and is doing a fine job in her role.

In the Fall we added a fourth Ag Technician when we brought Jonathon Ott on board to assist with the backlog of writing Ag E&S and Manure Management Plans for farmers. Jonathon comes from Nutrien Ag Solutions and will be drawing from his expertise and crop knowledge he gained in that position.

We did a lot of education and outreach activities including the Envirothon, the Chambersburg First Grade Field trip, the Shippensburg Third Grade Field Trip, an E&S Planning workshop, the North American Manure Expo and our Annual Summer Conservation Farm Tour.

The E&S staff continue to stay busy reviewing and ensuring erosion and sediment control plan implementation for solar, warehouse, ag expansion and residential housing projects.

The ag staff were swamped with overseeing the construction of **21** Ag BMP projects. **Over \$2 million dollars** of various grant funds were awarded to farmers for these projects. Time was also spent reviewing Act 38 NMPs and developing Ag E&S plans and Manure Management plans for landowners.

Thanks to the FCCD Board of Directors for their guidance, support and leadership throughout the year.

Enjoy the report,  
*Dave Stoner*  
*District Manager*



# FCCD Directors and Staff



## 2022 District Board of Directors

<b>Chairman</b>	Evan Burkholder
<b>Vice-Chairman</b>	Barry Best
<b>Secretary/Treasurer</b>	Rhoda Crider
<b>Directors</b>	Nelson Egolf
	Dennis Musser
	Mike Ross
	Paul Witter
<b>County Commissioner</b>	David Keller
<b>Associate Director</b>	Sam Worley

### FCCD 2022 District Board of Directors

*Front row: Mike Ross, Chairman Evan Burkholder, Associate Director Sam Worley, Franklin County Commissioner David Keller, Vice-Chairman Barry Best  
Back row: Dennis Musser, Nelson Egolf, Paul Witter*



### FCCD 2022 District Staff

*Back row: Thomas Swartz, John High, Scott Metzger, Dave Stoner, Brady Byers, Jonathon Ott  
Front row: Caitlin Lucas, Rhoda Crider, Chris Swartz, Emily Hartley, Jennifer Bratthauar*

## 2022 District Staff

<b>District Manager</b>	Dave Stoner
<b>Asst Manager/Ag Resource Specialist</b>	Scott Metzger
<b>Administrative Assistant</b>	Rhoda Crider
<b>Watershed Specialist</b>	Emily Hartley
<b>Engineer</b>	John High
<b>E&amp;S Technician/102 Program Manager</b>	Thomas Swartz
<b>E&amp;S Technician</b>	Brady Byers
<b>Ag Conservation Technician</b>	Jennifer Bratthauar
<b>Ag Conservation Technician</b>	Chris Swartz
<b>Ag Conservation Technician</b>	Jonathon Ott
<b>Clean Water Coordinator</b>	Caitlin Lucas



*Left to Right:*

*Board President Evan Burkholder*

*Associate Director Sam Worley celebrating his 101st birthday*

*District Manager Dave Stoner*

# FCCD Personnel

## PACD Award for Scott Metzger

The Franklin County Conservation District is proud to recognize Scott Metzger, FCCD Agricultural Resources Specialist/Assistant Manager, as the recipient of the Conservation District Employee Excellence Award from the Pennsylvania Association of Conservation Districts (PACD).

This award is given to a conservation district employee for their outstanding efforts that have furthered the activities and accomplishments of conservation districts.

Scott Metzger has been with the Franklin County Conservation District for 25 years. In addition to his roles as Assistant Manager and Ag Resources Specialist, he is also the Dirt Gravel and Low Volume Road Technician. Scott is also involved in several regional and statewide initiatives.

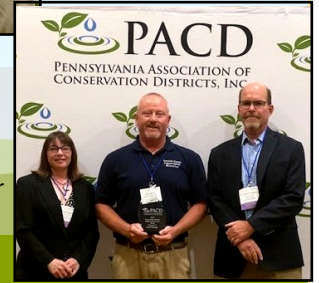
Over the last 25 years, Scott has been instrumental in overseeing over \$6 million in cost-share funds for ag Best Management Practice (BMP) implementation on Franklin County's landscape. This number equates to a large reduction of nutrients ultimately reaching the Chesapeake Bay.

Scott's understanding of the technical side as well as the nutrient management side of his position has afforded him a great rapport among Franklin County's farmers. He is known for taking the time to design a system specific to the individual operation and management style of the farmer while still meeting the required standards and specs.



FCCD Ag Resources Specialist Scott Metzger is pictured with FCCD District Manager Dave Stoner following the PACD annual conference awards ceremony.

Left to Right: PACD President Kelly Stagen, FCCD Ag Resources Specialist Scott Metzger, PACD North Central Region Director Dr. Robert Shannon



## New Watershed Specialist

In May 2022, the Franklin County Conservation District was pleased to hire Emily Hartley as the new Watershed Specialist. Emily is a recent graduate of Juniata College with a degree in Environmental Chemistry. While at Juniata, Emily completed an undergraduate research thesis titled "Nutrient Sequestration in Raystown Lake, Huntingdon County, Pennsylvania" where she examined the patterns of total phosphorus removal in and around Raystown Lake. She also interned with the Huntingdon

County Conservation District as an Agricultural Planning Intern where she learned about agricultural BMPs and worked closely with HCCD's Ag Conservation Technician and Watershed Specialist.

A lifelong resident of Adams County, Emily enjoys spending time outdoors engaging in activities such as kayaking, hiking, hammocking, and boating.



Emily Hartley, New FCCD Watershed Specialist

## Additional Ag Technician

In October 2022, the Franklin County Conservation District hired Jonathon Ott as a new Ag Conservation Technician. Growing up in Antrim Township, he worked on a local dairy farm while attending school and college. Upon graduation from Wilson College with a degree in Environmental Studies, he worked first for Mt. Parnell Fisheries and later for the Fulton County Conservation District in McConnellsburg.

Jonathon was most recently (since 2009) employed by Nutrien Ag Solutions (formerly Four Seasons Crop Care, LLC) in Shippensburg, PA as a field sales representative in both agriculture and turf grass.

Jonathon enjoys spending time with his wife and two daughters, being outdoors, traveling, gardening and fishing.



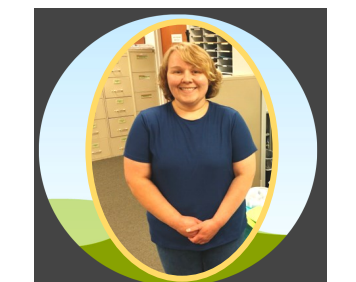
Jonathon Ott, New FCCD Ag Technician

## Farewell to Tammy Piper

For 18 years, Tammy Piper served the Franklin County Conservation District's efforts to coordinate and fund various conservation projects. Listed below are a few facets of her job she particularly enjoyed:

- Being able to get into our local streams and check out their macroinvertebrate life

- Seeing landowners get excited about their stream restoration projects
- Working with numerous partnerships that have developed over the years
- Educating community members of all ages and background about various environmental topics



Tammy Piper, Former FCCD Watershed Specialist

# FCCD ANNUAL EVENTS

## 2022 FCCD Farmer of the Year

In August 2022, Franklin County Conservation District held its annual Summer Conservation Farm Tour at the Lurgan Lions Club near Roxbury. The District took this opportunity to honor the 2022 Conservation Farmer of the Year: Bryan and Tina Kyle of Orrstown.

Approximately 55 attendees visited the Kyle's beef farm and saw firsthand the benefits of no-till cropping and various BMP improvements that have been implemented over the years. They also learned how BMPs can reduce nonpoint source pollution.

After touring the Kyle's farm, guests returned to the Lurgan Lions Club where they were able to view the recently-completed stream restoration project at the Lurgan Lions Club.

*This event was funded through PACD's NPS Mini Grant program.*



*Caption: FCCD Chairman Evan Burkholder (left) presents the annual Franklin County Conservation Farmer of the Year award to Bryan and Tina Kyle.*



**ABOVE: Before and After photos of the stream restoration project at Lurgan Lions Club. Farm Tour attendees enjoyed viewing the benefits of the improvements.**



*Bryan shares the benefits of conservation practices.*

## 2022 Franklin and Fulton Counties Envirothon

Live and "in person" at Cowans Gap, the Franklin and Fulton Counties 2022 Envirothon was held April 26 with 118 students representing eight schools from the two counties. Despite a drizzly day, students and presenters enthusiastically persevered through the five testing stations: Aquatics, Soils & Land Use, Forestry, Wildlife and Current Issues.

Presenters included experts from the PA Game Commission, NRCS, DCNR Bureau of Forestry,

Franklin County Conservation and Fulton County Conservation District.

### Franklin County Placings:

- 1st** - Mourning Doves  
James Buchanan High School
- 2nd** - Mountain Maniacs  
Waynesboro High School
- 3rd** - Team 4est  
Chambersburg High School

### 2022 SPONSORS

- Adams Electric Cooperative
- The Butcher Shoppe
- Donald Spickler Insurance
- Mercersburg Lions Club
- HRG, Inc



*1st Place Team: Mourning Doves, James Buchanan High School*



*2nd Place: Mountain Maniacs, Waynesboro High School*



*3rd Place: Team 4est, Chambersburg Area Senior High School*



## 2022 First Grade Field Trip

After two years of cancellations, the first graders in the Chambersburg Area School District were able to take part in the annual First Grade Field Trip at Caledonia State Park. Approximately 580 first graders attended the field trip over the course of four days in May. The full-day event featured eight stations including water quality/macroinvertebrates, ticks and mosquitoes, forestry, wildlife, water quality/runoff, agriculture, a nature walk scavenger hunt and the playground.

The presenters worked interactively with the students. At the water quality/runoff station, students created "watersheds" and "rainstorms" to demonstrate runoff. Students also learned how to be safe from ticks and mosquitoes, and they discovered that some of the things they use every day would not be possible without trees. This year was also the introduction of the District's new stream table and stream table media, which shows how stream formation and erosion occurs.



*Top: FCCD 102 Program Manager Thomas Swartz demonstrates the difference between antlers and horns.*

# Agricultural Resources Specialist

## Conservation Excellence Grant (CEG)

In 2022, the Franklin County Conservation District (FCCD) worked with multiple agricultural producers to install Best Management Practices (BMP's) on their farms utilizing the **Conservation Excellence Grant (CEG)** program. We were also able to provide assistance to farmers with Resource Enhancement and Protection (REAP) applications, site surveys for upcoming cost share funding and non-cost share technical assistance.

### 2022 Installations funded by CEG:

- 3 roofed animal heavy use areas
- 2 roofed manure stack pads
- 1 open stack pad

### Projects to be completed in 2023 (Round 2 & 3):

- 7 new projects: \$796,000

### Projects funded by CEG to be built in 2023 and 2024 (Round 4):

- \$400,000



Recently completed manure stack pad



BEFORE



AFTER

Left to Right:  
BEFORE and AFTER of a roofed animal heavy use area installed utilizing CEG funding

## ACAP

FCCD Board of Directors recently signed the Agricultural Conservation Assistance Program (ACAP) Delegation Agreement and expect to receive a total of **\$6 Million** over the next three years.

Funds will be used for ag projects similar to the CEG projects shown on this page.

## Dirt & Gravel Low Volume Road Program

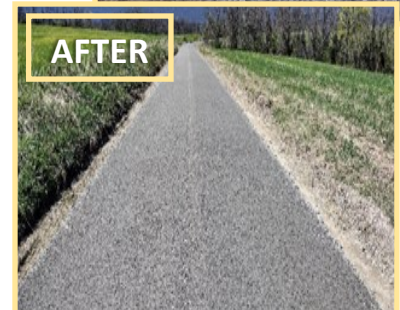
The Dirt and Gravel Low Volume Road Program administered by the Franklin County Conservation District continued to help improve local water quality by improving local road drainage. 2022 saw the installation of Driving Surface Aggregate (DSA) on Brethren Church Road in Lurgan Township, project work on Burnt Mill Road in Lurgan Township and drainage and paving work on Burns Valley Road in Fannett Township.

The Brethren Church Road project was the final phase of the improvements to this road. Previous work included road fill for base improvement, road crowning and new culvert pipes to help with drainage. The final phase installed DSA to give the road an environmentally friendly surface.

The FCCD continues to accept applications from certified municipalities to install practices consistent with the program standards and policies. Applications are available on the District website ([www.franklinccd.org](http://www.franklinccd.org)) under the Dirt and Gravel Low Volume Roads Program or by calling the office. Ag Resources Manager Scott Metzger, along with Ag Conservation Technician Chris Swartz, are willing to work with municipalities to achieve certification necessary for project approval.



BEFORE



AFTER

Brethren Church Road before DSA placement (top photo) and after placement (bottom photo)

# District Engineer

The District Engineer assisted the Chapter 102 staff with Post Construction Storm Water (PCSM) technical reviews, site inspections, site meetings, pre-submission meetings, general meetings with consultants and addressing any technical questions regarding PCSM.

The Engineer also worked with the District Ag staff designing and implementing BMPs to address resource concerns on local farms. This included meetings with farmers, surveys, inspections, designs and addressing questions from farmers and builders.

The ag projects were funded by both CEG and **Countywide Action Plan (CAP)** grants. The Engineer completed several designs, and worked closely with the Ag Resource Specialist to oversee project construction. Upon completion, as-built surveys were performed.

The Engineer performed 29 PCSM Technical Reviews. Four reviews were individual NPDES Permits, five were General Permit applications

for large projects and the remaining 20 were follow-up reviews.

The Engineer participated in several meetings and trainings throughout the year with both Ag and Chapter 102 staff.


## Countywide Action Plan (CAP)



*BEFORE photo shows manure leaking from a barnyard and entering a culvert pipe*



*AFTER photo shows a bedded pack and stack pad nearing the end of construction. Both were designed to address the manure and barnyard concerns.*



**2022 CAP Statistics**

Project funds awarded: \$1,000,000  
 Projects completed: \$750,000  
*(Expected payout for final project: June 2023)*

Total projects funded: 4  
 Projects designed by FCCD Engineer: 3

*BEFORE photos show manure leaking from an open barnyard.*



*District Engineer John High and Ag Resources Specialist Scott Metzger work closely together to survey and design BMPs that will work well for each individual farmer's situation.*



*AFTER: To address the resource concerns, a liquid manure tank was designed and installed as well as a stack pad for bedding and solid material not suitable for the tank.*

# Act 38 Nutrient Management Program

## Chapter 91 Manure Management Manual Program

### Act 49 Commercial Manure Hauler and Broker Certification Program



Winter cover crops retain nitrogen

#### Act 38 Nutrient Management Program

- 16 existing Nutrient Management Plan Amendments were reviewed and approved
- 7 Non-Act 38 plans were verified by the District
- 44 On-Site Status Reviews were completed

#### Manure Management Manual Program

- Provided one-on-one assistance with the completion of Manure Management Plans (MMPs) for 13 livestock operations

#### Act 49 Commercial Manure Hauler and Broker Certification Program

- Administered 12 “Manure Hauler 2” tests
- Reviewed seven Nutrient Balance Sheet packets submitted by Act 49 manure brokers

#### Manure and Nutrient Management Education - Meetings & Events

- ◆ **Source Water Protection Meeting** - Provided information about the steps that could be taken by agricultural producers to minimize nitrates in source water (wells and springs)
- ◆ **West Branch Antietam Creek Meeting** - Taught attendees about water quality testing results, today’s agricultural regulations (Act 38, manure management and agricultural erosion & sediment control), and potential causes of poor water quality results
- ◆ **2022 North American Manure Expo** - Co-Chaired this event with Penn State Extension. The approximately 1200 attendees from across the U.S. and beyond were engaged throughout the event in educational sessions, a water quality/Best Management Practice (BMP) tour, farm tours, live manure application demonstrations, and a manure gas safety demonstration.

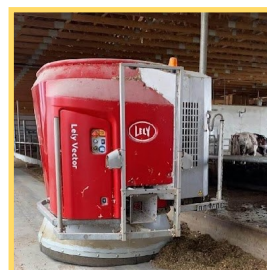
#### 2022 North American Manure Expo Highlights

Over 1200 attendees gathered on grounds owned by Leshor’s Poultry to view the latest manure application equipment and participate in various tours on July 13 and 14, 2022. FCCD and Penn State Extension co-chaired the event. The show hosted 59 exhibitors, 17 educational sessions and local farm and stream tours.

At the end of the second day, there was a live manure spill response demonstration to show attendees the simple actions they can take to prevent liquid manure from reaching environmentally sensitive areas during an accidental manure spill.



An interactive water quality stream tour visited the Owls Club in Waynesboro to see installed streamside Best Management Practices (BMPs) in a predominantly agricultural watershed.



Dairy farm tour attendees witnessed robots pushing up feed, scraping manure and milking cows at the Oakleigh Dairy Farm (Glenn & Karen Brake family). Herbruck’s Poultry (large layer operation with a manure pelletization process) was also included as a stop on the farm tour.



# Erosion & Sediment Control

## 2022 E&S Program in Review

E&S Plan Reviews: .....	200
Project Acres: .....	7,797
Disturbed Acres: .....	1,143
General NPDES Permits: .....	75
Inspections: .....	346
Complaints: .....	74
Educational Events.....	3

The Franklin County Conservation District's Level II delegation with the Department of Environmental Protection (DEP) involves the administration of both the Erosion and Sediment Control (E&S) and the National Pollutant Discharge Elimination System (NPDES) programs. This includes ensuring the installation of E&S controls (compost filter sock, silt fence, rock construction entrances, etc.) to limit negative downslope impacts of earth-moving activity on

water resources, nearby properties, and other sensitive features. The FCCD reviews E&S plans and NPDES permit applications and then performs site inspections in order to verify that those plans are being properly implemented in the field.



*Example of what can happen when E&S controls are not properly installed or maintained. This sediment-laden water eventually affected the Conococheague Creek.*

## E&S Educational Workshop Held

On April 8, 2022, FCCD's E&S department hosted an educational workshop that brought together over 30 licensed professionals to discuss a newly-released DEP permit: PAG-01. The goal of this permit is to provide a simpler, faster review process for smaller projects. More workshops will be hosted in 2023 regarding E&S controls, program updates and the upcoming new version of the Pennsylvania Post-Construction Stormwater Management (PCSM) Manual.



*FCCD presenters included: 102 Program Manager Thomas Swartz, District Engineer John High, and E&S Technician Brady Byers*

# Ag Erosion & Sediment Control

## *If Soil Could Talk . . .*

2022 was a milestone year for Franklin County Conservation District as we surpassed **20,000 acres of county farmland** that have been included in Agricultural Erosion and Sediment Control planning. That's over 20,000 acres that have had generations of farmers tending to the soil in hopes of producing enough feed for their livestock. That's 20,000 acres of land that have experienced the hottest days of summer, the coldest days of winter, the hardest downpours of rain, and the driest days of drought. And that's 20,000 acres that have now been included in our Countywide Action Plan reporting to receive nutrient reduction toward our Chesapeake Bay clean water goals.

From the early days of plowing every acre of cropland, to current trends of utilizing no-tillage management, those 20,000 acres of cropland now have reduced soil loss while increasing the overall soil health through the use of cover crops, crop rotation, and improved nutrient management. As we celebrate this milestone, Franklin County Conservation District staff will continue to reach out and work with producers in an effort to reach our reduction goals for the Chesapeake Bay.

# Watershed Specialist

## Stream Restoration Spotlight: *Paddy Run, Greencastle, PA*

In partnership with the Western Pennsylvania Conservancy (WPC) and the PA Fish and Boat Commission (PFBC), a 1300-foot section of the headwaters of Paddy Run was successfully protected and restored using over 30 fish habitat and bank stabilization structures. From

the first site visit to construction and tree planting in just under one-year's time, this project was FCCD's first "Streamlined Stream Restoration" project, an enormous milestone initiative outlined in our Countywide Action Plan.

The tools, partnerships, and resources gained from this project will allow FCCD to quickly and efficiently complete more stream restoration projects in the seasons to come.



*Flyway Excavating, Inc. placing a rock vane in the stream using an excavator. This was the first structure of the project.*



*After a few structures had been placed, noticeable changes in the stream depth and flow were already observable, meaning that the structures were doing their job.*



*PFBC seasonal technician working to place a log vane after the completion of the modified mudsill in the foreground of the photo.*

## Watershed Group Spotlight: *Falling Spring Trout Unlimited*

Trout Unlimited is a national organization made up of 400 chapters across the United States with a mission to conserve, protect, and restore North America's Coldwater fisheries and their watersheds. Franklin County's local chapter, Falling Spring Trout Unlimited (FSTU), consists of over 200 members from our local communities.

In 2022, FSTU hosted a road cleanup event along Falling Spring Road, participated in Franklin County Youth Day in Waynesboro and Trout in the Classroom at Caledonia State Park, and continued to plant and maintain over 2,600 trees planted along the Falling Spring Branch to improve the stream's riparian buffer. This year, FSTU worked with FCCD to submit a grant application to Franklin County's IMPACT! Grant, a program created using a portion of the county's American Rescue Plan Act allocation. With this grant award, FSTU will work with the PA Council of Trout Unlimited to restore a

1,000 foot stretch of the Falling Spring Branch in 2024. In 2023, FSTU will be holding a Falling Spring Veterans Invitational in March and a barbecue in September, both at Waltonian Meadows. More details can be found on their Facebook page at "Falling Springs Chapter of Trout Unlimited," or visit [www.patrou.org](http://www.patrou.org).



*FSTU members helping plant over 2,600 trees along the Falling Spring Branch.*

# Watershed Specialist

## Trees for Franklin County

This year, FCCD aided in the planning and implementation of multiple tree plantings throughout Franklin County. Here are a few of the highlights:

**May 5, 2022** – Students from the Cumberland Valley Christian School spent a day at the Billy Timmons Farm planting a total of 250 trees (25 different species) and learning about the agricultural BMPs implemented on the Timmons Farm. This planting was the

second of a multi-phase riparian buffer planting plan, where all phases will be completed by local high school students. All trees, supplies, and equipment were provided by the Alliance for the Chesapeake Bay.

*In cooperation with:*



*CVCS students working to plant trees and protect them with shelters, stakes, and bird nets.*



*Ryan Davis, ACB Senior Forests Projects Manager, demonstrating to a group of CVCS students how to properly plant a tree.*

**October 13, 2022** – In collaboration with the Chambersburg Knouse Foods plant, the Alliance for the Chesapeake Bay, and Falling Spring Trout Unlimited, FCCD staff helped plant 115 trees along the Falling Spring Branch to create a half acre riparian buffer as

part of a larger Knouse Foods Cooperative effort to convert large lawn areas to forest or meadow. All trees, supplies, and equipment were provided by the Alliance for the Chesapeake Bay.

*Volunteers and staff from Knouse Foods, the Alliance for the Chesapeake Bay, FCCD, and the Falling Spring Chapter of Trout Unlimited after the planting along the Falling Spring Branch was completed.*



**October 19, 2022** – FCCD joined numerous volunteers from Pennsylvania and beyond to celebrate the planting of the 5-millionth tree as part of the Keystone 10 Million Trees initiative at Franklin County's Furnace Run Park. Following the planting of the milestone White Oak, volunteers helped to plant an additional 100 new trees around the park.



*FCCD Watershed Specialist excitedly helping plant additional trees around Furnace Run Park.*

**November 9, 2022** – Penn State Extension hosted a live stake nursery planting at the Montessori Academy of Chambersburg. FCCD helped facilitate the planting. In total, 60 live stake-bearing trees and shrubs were planted by students from each education level. Once mature, the Academy plans to harvest live stakes from

these trees and shrubs to be distributed to the community via fundraisers, educational events, and more.



*Students, ages 3-6, plant a tree with the help of DCNR staff.*



*Students working together with friend and family volunteers to plant trees.*



*Middle school students learn how to properly plant and protect the trees and shrubs. Later in the afternoon, these students taught elementary students how to do the same process.*

# Clean Water for Franklin County

## A Letter from the Coordinator: *Our Year in Review*

Since we began the Clean Water program in Franklin County, we have spent a lot of time and effort in getting to the root of clean water issues in our community as well as learning who we need to talk to about these issues and how to make real tangible change on the ground. With starting a new program, we often start with no partners, no money, and no real solutions. We usually start with the fact that there is an issue at hand and that it needs to be solved, but not much idea of how to solve it. In 2022, so many of those conversations and ideas came to life, and we, here at the District, had the privilege of seeing the collective accomplishments of those efforts. Below are some highlights!

### *In 2022, we....*

- ◆ . . . piloted several new endeavors via five agreements with **four new partners** including:
  - ⇒ **Western Pennsylvania Conservancy**
  - ⇒ **Capital RC&D**
  - ⇒ **University of Maryland's Environmental Finance Center**
  - ⇒ **LandStudies, Inc.**



*All of these partnership initiatives were experimental, all were successful, and we hope to continue these partnerships and further these initiatives in the coming years. Please see our Winter Newsletter for more details on the partnerships and pilot programs that were launched in 2022!*

- ◆ . . . have reached nearly **80 landowners/organizations** on our list of project inquiries. That means nearly 80 people have learned about our best management practice (BMP) implementation programs and have asked about getting BMPs on their properties! These are also landowners willing and able to get “shovel-ready” for future funding!
- ◆ . . . have secured nearly **\$7.5 Million** for upcoming projects and have several other pending grant applications for projects to assist landowners with their resource concerns, not to mention the millions our partners have also secured for parallel efforts!
- ◆ . . . utilized **municipal feedback to pinpoint areas of concern** throughout the Conococheague Creek watershed. This feedback helped us to begin planning projects watershed-wide, across municipal lines, for more effective projects that benefit communities on a much larger scale.
- ◆ . . . assisted these groups and individuals via **seven applications** to various funding programs to design and implement BMP projects that will help our county toward our reduced nutrient clean water goals.



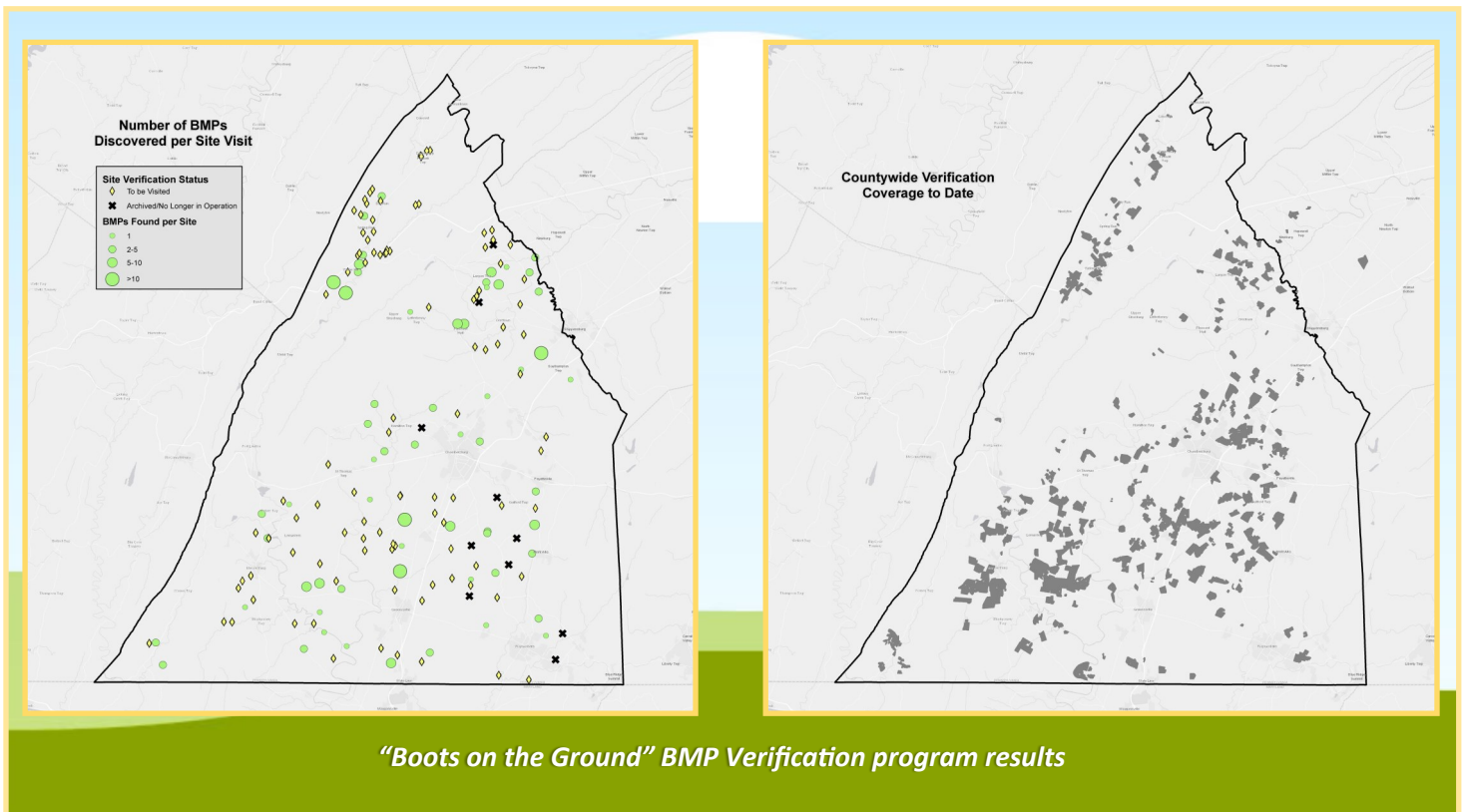
*Clean Water Coordinator Caitlin Lucas speaking at a local event about the importance of partners like Chambersburg Borough and other attending agencies in restoring water quality. At this event, Chambersburg was awarded funding for an improvement project on the Conococheague Creek and recognized by officials from the local, state and federal levels for their innovative green infrastructure proposal.*



# Clean Water for Franklin County

♦ . . . established a new **“Boots on the Ground” BMP verification program**. This program has put our county in the spotlight for its innovative partnership that utilizes a tried-and-true method of data collection – field work and data records. Thanks to our partnership with Capital RC&D, this program has bolstered Franklin County’s collection of real-life conservation effort in this county, which can serve as a ground-truthing database for modeled scenarios. So far, we have captured:

- ⇒ 101 Farm visits
- ⇒ 120 anticipated BMPs RE-verified
- ⇒ 207+ additional, unanticipated, existing BMPs found and verified
- ⇒ 17+ Landowners interested in new/future BMP implementation
- ⇒ 34,959 Total acres of Soil & Water conservation plans verified
  - ◇ 29,026 acres of NMPs
  - ◇ 5,933 acres of Ag E&S plans/field-based BMPs
- ⇒ 11 Operations determined to be “no longer in use”



*“Boots on the Ground” BMP Verification program results*

Most importantly, in the past year, our Clean Water Plan has given us opportunities to meet the right people and secure sufficient funding to make progress a reality rather than a goal. We will maintain our partnerships, grow our new initiatives, and continue to creatively solve existing problems that halt clean water progress.

We thank all of our partners, our willing landowners, and our supportive officials who make our programs a success! We are grateful to you, and we look forward to what we have yet to accomplish together for the future of Franklin County’s water!



# Streamside Grass Buffer Program

The Streamside Grass Buffer Program continues to gain ground in Franklin County. Now entering into the third year of the program, two new operations have agreed to protect an additional 6.65 acres of farmland along streams. Producers see the benefits of installing grass buffers and have been willing to commit land to the Streamside Grass Buffer Program. There are now 9.72 acres of grass filtering out potential nutrients and sediment from reaching water sources and are also being recorded for Franklin County to receive nutrient reduction credits toward our Countywide Action Plan goals to improve both local water and the Chesapeake Bay. Funding for the Streamside Grass Buffer Program, now just over \$48,000, is awarded from the Conservation Excellence Grant (CEG).



*A corn field planted next to a stream*

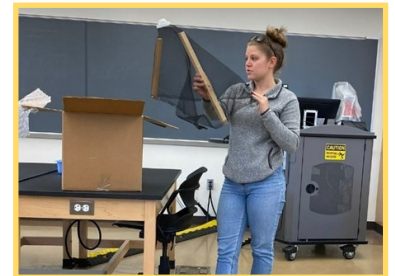


*A grass buffer was recently installed at the bottom of a field with a steep slope to protect the stream that is just below the tree line.*

# Spotted Lanternfly Outreach

As Spotted Lanternfly (SLF) populations continue to soar in Franklin County, FCCD continues to work to stop the spread of this invasive insect and to eliminate existing populations. During the summer of 2022, FCCD Watershed Specialist met with the PA Department of Agriculture (PDA) to learn how to deploy circle traps for SLF control. Capitalizing on the SLFs' tendency to migrate upwards, these traps wrap around infested trees and capture these insects in the bag at the top.

In addition to deploying two traps in the Franklin County EcoPark, FCCD deployed nine additional traps throughout the County at a few local schools, churches, and businesses while educating our local communities about the environmental and economic impacts of this invasive pest.



*Watershed Specialist explaining how to deploy SLF circle traps to a group of students at Wilson College. The students plan to deploy and monitor the traps to collect data on SLF populations.*



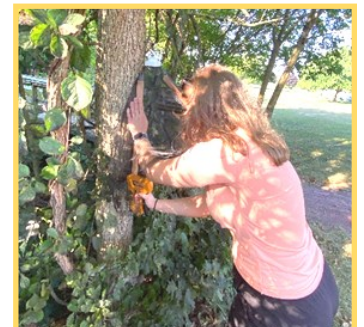
*Just a few minutes after being deployed, a SLF made its way into the trap and began climbing towards the bag.*



*Adult Spotted Lanternfly*



*FCCD Watershed Specialist Emily Hartley with PDA technicians after deploying the first trap in the Franklin County EcoPark.*



*Watershed Specialist deploying a trap at a local school*

# 2022 Tree Seedling Sale

American Red Bud	500
Canaan Fir	850
Colorado Blue Spruce	300
Eastern White Pine	625
Norway Spruce	925
Persimmon	425
Red Oak	475
River Birch	250
Scarlet Maple	300
Crimsoncrisp Apple	31
Galarina Apple	31
Redhaven Peach	25
White Lady Peach	14
<b>TOTALS</b>	<b>4751</b>



# 2022 Affiliate Membership

We are grateful for our partners. These donations benefit FCCD education and outreach efforts.

Marvin & Donna Adams	Horstdale Farm Supply, LLC	Quincy Township Supervisors
Affordable Excavating & Hauling, Inc.	J.A. Horst & Sons	Resource Restoration Group LLC*
Beidel Brothers, Wayne & Bradley*	Land Studies, Inc. *	Rockwell Construction Co., Inc. *
Coldsmith Construction	Letterkenny Township	Rosenberry Enterprises, Inc.
Jeff & Phoebe Conner	Lurgan Township	Snoke's Excavating & Paving, Inc.
Norman Cook	Manada Construction Co.	South Mountain Fish & Game*
Dice Properties, Glenn & Catherine Dice*	Martin Custom Farming*	St. Thomas Township Supervisors
East Coast Green, Inc.	Martin Farms	Stoners Hijos Hill, Inc.*
Falling Spring Farms LLC*	David H. Martin Excavating, Inc.*	Sunnyhill Properties Real Estate
Flyway Excavating, Inc.*	Matthew & Charlotte McAllen	Swailles Farms LLC
Forrester Farms, LTD*	Mercer Vu Farms Inc	Timmons Farms*
Harold S. Forrester	Metal Township	Township of Southampton
Frederick, Seibert & Associates, Inc.	R.R. Miller & Sons, Inc	Washington Township Supervisors
Hamilton Township Supervisors*	Montgomery Township Supervisors	Weaver Hauling & Excavating*
Cliff & Maggie Hawbaker	Kenneth & Martha Myers	William A Brindle Associates, Inc.
Herbruck's of PA*	Myrlawn, Curtis Meyers	
Edward & Betty Hessong	Peters Township Supervisors	

\* Indicates donation amount of \$100 or more

# 2022 Ernie Turner Memorial Golf Tournament & Scholarship Recipients

The Whitetail Golf Resort was the site of the 2022 Ernie Turner Memorial Golf Tournament on Friday, June 3, 2022. First held in 2007, the proceeds from this tournament have funded 71 environmental scholarships awarded to Franklin County college students.

Students majoring in fields such as Ag Business, Ag Extension, Animal Science, Dairy Science, Earth Science, Environmental Law, Environmental Science, Forestry, Geo-environmental Studies, Horticulture, Marine Biology, Turf Management and Veterinarian Science have been the recipients of over \$51,000 to-date. **The funds from the 2022 tournament funded \$750 scholarships to 12 local students!**

Approximately 80 golfers from 23 various businesses came together for this year's fundraiser. Sue Bender was the proud winner of the Yeti cooler, sponsored by Keystone Ford. Her "closest-to-the-pin" stroke at Hole #6 earned her this takeaway. Many additional sponsors and donors provided funding for door prizes and a delicious meal, and FCCD is thankful for the generosity and support of the community.



**Above/Left: Sue Bender wins a Yeti cooler for "closest to the pin".**



**Right: FCCD Engineer John High presents Marty Curfman with a door prize.**



## 2022 SCHOLARSHIP RECIPIENTS

Top Row: Cade Martin, Liam Coulter, Faith Sheldon  
 2nd Row: Kenzie Boyd, Brayden Boyd, Trevor Wisner  
 3rd Row: Kya Lester, Grant Bohn, Laci Hoover  
 4th Row: Hunter Timmons, Cameron Kimple,  
 Elizabeth Hoffeditz

**CONGRATULATIONS  
to all of our WINNERS!**

**THANK YOU  
to all of our SPONSORS!**