

# McKean County Conservation District

## Other Accomplishments

- **Marilla & Gilbert Reservoir Accesses-** A PA Fish & Boat Commission and Shell grant funded the construction of accessible fishing piers and canoe launches at two Bradford Water Authority recreational properties.
- **Education and Outreach:** Workshops, programs, exhibits, and presentations (51 events) reached 3,146 people.
- **Responsible Waste Management:** 77,588 pounds of Electronics, 1,840 Tires and 10,593 pounds of Household Hazardous waste were disposed of properly at collections around county.



More Work to Do

- **Agricultural Best Management Practices** including streambank fencing, riparian buffers, manure storage and heavy use areas continue on area farms funded by **Growing Greener** and **private grants**
- **Acid Mine Drainage Treatment project** in historical coal mining area affecting Hamlin & Railroad Run streams will be completed.



## 2017 Feature Accomplishment Hedgehog Lane Low Volume Road Project

### Resource Challenge

Hedgehog Lane in Foster Township had become not only a maintenance nightmare for the municipality but also an environmental and public safety concern. The road base in the south lane had been shifting for years and was beginning to slide down the steep slope. Experts from the Center for Dirt & Gravel Road Studies assisted to determine the best way to solve the problem. Soil core sampling was completed in 2016 to determine road base material and the distance between the failing road surface and a stable base. With the information gathered from the soil sampling it was determined that the failure was a result of slope geometry and the subsurface clay soils present. With no bedrock found during sampling the solution was to shift the travel lanes away from the unstable area.

### Project Summary and Results

- Abandon failing lane
- Move lanes 8 feet north toward hillside
- Replace one of three cross pipes; add catch basins
- Install underdrain in north ditch to prevent erosion and filter water
- Geo-fabric installed to existing base; Added blacktop millings & 2rc to bring existing north slope to grade
- South side: Stabilized cross pipe outlets, reshape slope to eliminate vertical drop, replace guard rail

Hedgehog Lane is now a solid, safer road for drivers with lower maintenance needs.

### Key Project Partners:

Foster Township  
McKean County Conservation District  
Center for Dirt & Gravel Road Studies at Penn State



## Contact Information

**Sandy Thompson**  
District Manager

**Kerry Fetter**  
Board Chairman

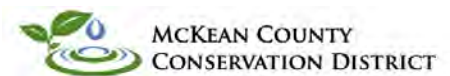
17137 Route 6  
Smethport, PA 16749  
(814) 887-4001

[www.mckeanconservation.com](http://www.mckeanconservation.com)

Grant Money Brought to the County  
From Conservation District Efforts:

2016-2017 Grant Funds:  
\$ 1,589,114.43

**For every \$1 contributed** by McKean County  
to conservation, **\$41.54 is generated** in return  
from additional funding sources



# Mercer County Conservation District

## Other Accomplishments

- Re-develop Environmental Education connections with local schools
- Transportation grant for schools
- 2 mile interpretive trail on Munnell Run Farm
- 6<sup>th</sup> "Watershed Explorer's Adventure Camp"
- Sponsored/presented at Mercer County "Brunch on the Farm"
- Hosted Northwest PA Growers Association CSA
- Assisted newly formed Coolspring Watershed Association
- Aquatic Invasive Species removal in several watersheds
- 4,570 linear feet of roadway maintenance contracted for 3 Dirt & Gravel Road projects
- 2,365 linear feet of roadway maintenance contracted for 2 Low Volume Road projects
- 42 E&SPC plan reviews
- 23 processed general NPDES permits
- 41 Chapter 105 general permits
- Municipal Stormwater Workshop with Lawrence County

Grant Money Brought to the County  
From Conservation District Efforts:  
Envirothon \$700

Environmental Education \$2,930.27  
Low Volume Roads \$118,130.40  
Dirt & Gravel Roads \$390,585.86



## 2017 Feature Accomplishment

### NO-TILL, COVER CROP & SOIL HEALTH WORKSHOP

#### **Resource Challenge**

Exploring solutions to problems farmers are encountering with transitioning to no-till and becoming familiar with advancements in agricultural practices



#### **Project Summary and Results**

The Mercer County Conservation District sponsored and developed a No-Till, Cover Crop and Soil Health Workshop held at East End farm, located in western Mercer County. Featured topics and discussions covered included crop management and soil health, mixed cover crop establishment, planting green with no-till, and transitioning to no-till practices in Northwestern Pennsylvania. Demonstrations on incorporating the use of drones in agriculture as well as the use of an inter-seeder as a way to plant cover crops were also presented. Approximately 70 individuals attended the event.

#### **Key Project Partners**

PA No-Till Alliance and USDA, NRCS, Penn Soil RC&D

## Contact Information

Jay Russell  
District Manager



James Rust  
Board Chairman

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[www.mercercountycd.com](http://www.mercercountycd.com)

[facebook](#)

## More Work to Do

- Connect with local universities to develop a collaborative sustainable agriculture program
- Hold a "farmer to farmer" roundtable meeting to discuss solutions to persistent problems encountered in NW PA
- Implement "Establishing Connections" outdoor education program
- Sandy Creek Watershed Educational Series
- Work with land owners to install riparian buffers and stream bank fencing
- Continue with Aquatic Invasive Species removal
- Increase the number of eligible municipalities in the Dirt, Gravel and Low Volume Roads program
- Fish Habitat rebuilding
- Growing Greener Grants \$249,247.00
  - Elder Run
  - Sandy Creek Watershed

# Mifflin County Conservation District

## Other Accomplishments

### **Agricultural BMPs**

- 5,000 ft. of livestock exclusion fencing
- 2 stabilized livestock crossings
- 2 roofed animal heavy use areas
- 2 roofed manure stacking facilities

### **Dirt & Gravel Rd./Low Vol. Rd.**

- 2 DGR projects contracted
- 2 LVR projects contracted
- Purchased toothed grader blade

### **Environmental Education**

- Mifflin/Juniata Envirothon
- Field Days
- Class Presentations

### **Watershed**

- Upper Kish Watershed Meetings
- 2017 Surface Water Assessment in the Upper Kish and Hungry Run Watersheds

### **Farmland Preservation**

- Preserved 89 acres

Grant Money Brought to the County From Conservation District Efforts: \$655,290.00



## 2017 Feature Accomplishment

### Mifflin County Riparian Forest Buffer Initiative

#### Resource Challenge

Increase acreage of Riparian Forest Buffers (RFBs) in Mifflin County and manage previously established RFBs to ensure maximum water quality benefits.

#### Project Summary and Results

In 2015, the MCCD embarked on a campaign to revive and install RFB's throughout Mifflin County. In 2017 alone, the MCCD planted over 1,000 trees through multiple programs and established over 10 acres of RFB. The MCCD has also actively managed and enhanced over 20 acres of existing RFB plantings since 2015. This management has been critical to RFB success and has enhanced and revived buffers planted many years ago. The MCCD most recently received a \$25,000 grant to continue to prioritize buffer management. This grant will fund the purchase of an equipment trailer to house and transport supplies for volunteer planting crews and buffer maintenance staff.

#### Key Project Partners

National Fish and Wildlife Foundation (NFWF), PA Dept. of Cons. and Natural Resources (DCNR), PA Department of Environmental Protection (DEP), Conservation Reserve Enhancement Program (CREP), Chesapeake Bay Foundation (CBF)

## Contact Information

Daniel Dunmire  
District Manager

Cathy Haughwout  
Board Chairwoman

20 Windmill Hill, Suite 4  
Burnham, PA 17009  
(717) 248-4695

## More Work to Do

- Continue to install RFBs and manage existing RFBs
- Continue to install Agricultural BMPs with priority in Ag impaired watersheds.
- Complete the update to the Upper Kish Watershed Implementation Plan (WIP)
- Continue Surface Water Assessment Program (SWAP)
- Complete stream restoration projects on Hungry Run and Kishacoquillas Creek

# Monroe County Conservation District

## 2017 Feature Accomplishment

### Other Accomplishments

- Updated MCCD website making it more appealing and useful for distribution of both technical and educational information
- Enrolled in the Act 38 program; increasing our capacity to assist the farming community within Monroe County
- Established an agility agreement with PennDot which will increase our ability to tackle larger restoration projects enhancement projects
- Introduced exciting new educational programs for the community, like Creek Snorkeling, which gives people of all ages a close-up look at life beneath the water's surface!



### ***Multi-County NPDES Workshop Series***

#### **Resource Challenge**

Perceived lack of programmatic consistency across county borders.

#### **Project Summary and Results**

Programmatic consistency is a critical element in effectively implementing state and federal regulations. To ensure consistency and promote inter-district cooperation, we worked with our neighbors at the Pike County Conservation District to offer informative and unified guidance on the intricacies of working within Special Protection Watersheds. The results were very encouraging, as we held two full-day sessions and attracted over 115 participants to the workshop. We reviewed common design flaws, application filing issues and the importance of pre-application meetings to list only a few of the topics.

#### **Key Project Partners**

Thanks to all of the great people from the Pike County office for helping us make this program such a success!

### Contact Information

Adam Schellhammer  
District Manager

Joseph Hanyon  
Board Chairman

8050 Running Valley Road  
Stroudsburg, PA 18360  
(570) 629-3060  
[www.mcconservation.org](http://www.mcconservation.org)

### More Work to Do

- Continue to work to improve relationships with local interest groups
- Continue to take a lead role in regional resource planning and help develop a strategic land use plan for Monroe County
- Expand our educational program offerings and increase local awareness of current conservation and environmental issues
- Work more closely with the regulated community to promote strategic sustainable development

# Montgomery County Conservation District

## Accomplishments

- Hired 6 new staff (2 Resource Conservationists, 1 Engineering Technician, 1 Watershed Specialist, 1 Administrative Assistant and District Manager)
- Agriculture: Creation of Urban Ag Conservation Resource Guide
- Agriculture: Held Manure Management Workshop
- Agriculture: Held Pasture Management Field Day
- Agriculture: Held 2 no-till planting demonstration field days
- Agriculture: Established no-till drill reequipment rental program to promote no-till planting and cover crops
- Environmental stewardship outreach initiative to golf courses
- Established County Environmental Stewardship Award
- Perkiomen Township Stormwater Improvements project, Perkiomen Township
- Perkiomen Creek Habitat Improvement project at American Legion, East Greenville
- Dirt, Gravel & Low Volume Road grant program:
  - 2 contracted *Low Volume grant* projects
  - 5 completed *Low Volume grant* projects
  - 1 contracted *Gravel Road grant* project
  - 1 completed *Gravel Road grant* project



District no-till drill available for rental to farmers in Montgomery County for conservation planting



Perkiomen Stormwater Improvement Project

## More Work to Do

- Adjustment to frequent DEP programmatic updates
- Foster improved field compliance across 102 regulations
- Continued outreach to regulated agricultural community for compliance with manure management and 102 regulations

## Contact Information

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District Manager

Sara Erlbaum  
Board Chairman

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Collegeville, PA 19426  
(610) 489-4506

[www.montgomeryconservation.org](http://www.montgomeryconservation.org)



# Montour County Conservation District

## 2017 Feature Accomplishment

### Other Accomplishments

- Installed 9,000 square foot roof over existing barnyard on 200 head beef operation Mahoning Creek Watershed
- Installed 4900 square foot roofed barnyard project for a 40 head beef operation in the Mahoning Creek Watershed
- Buffer Plantings on 2 farms in Limestone Run Watershed
- Installation of Streambank fencing and fish habitat structures on Seven Springs Farm (headwaters of Limestone Run)
- Received \$746,713 Growing Greener Grant for barnyard improvements and manure storage projects located in the Chillisquaque Watershed.
- Completed three (3) Dirt, Gravel & Low-Volume Road projects totaling \$189,571.80.

### Limestone Run Restoration

#### **Resource Challenge**

Ag Impaired Stream due to Agriculture Siltation, lack of adequate stream buffer and runoff controls. Lack of adequate fish habitat and high water temperatures.

#### **Project Summary and Results**

Installation of Best Management Practices on dairy, beef and poultry farms located within the watershed. Increased buffers and Fish Habitat Installation on numerous farms. Improved water quality to the point where there have been two successful stockings of wild brook trout in the upper reach of the stream.

#### **Key Project Partners**

Northcentral PA Conservancy, Pennsylvania Fish & Boat Commission, US Fish & Wildlife Service, Pennsylvania DEP, Chillisquaque/Limestone Run Watershed Association, Milton High School, Bloomsburg University, Susquehanna University, and local landowners

### Contact Information

Sean Levan  
District Manager

Matthew Derr  
Board Chairman

1210 Bloom Road  
Danville, PA 17821  
(570) 271-1140  
[www.montourccd.com](http://www.montourccd.com)

### More Work to Do

- Sittler Barnyard and Manure Storage
- Kitchen Barnyard and Manure Storage
- Beachel Barnyard Projects
- Hoffman Manure Storage
- Bogart Poultry Manure Storage
- Beyer Milkhouse Waste System and streambank fencing
- Appleman Paddock Management Project
- Fletcher Roofed Barnyard Project and stream project
- Kremer walkway and stabilized feeding area
- Betz Barnyard and Manure Storage Tank
- Rine Stream Project



# Northampton County Conservation District

## Other Accomplishments

- Completed over 240 E&S plan reviews, conducted over 190 field inspections, issued/acknowledged 51 NPDES permits and answered 42 complaints
- Provided environmental education programs for schools and watershed groups
- Hired District Engineer to move forward with PCSM Delegation in 2018
- Nathan Pritchard, Watershed Specialist/Agricultural Technician achieved Nutrient Management certification; District signed onto Nutrient Management Delegation
- Established demonstration Rain Gardens at Pen Argyl Borough and Plainfield Township municipal buildings and held corresponding public educational workshops
- Assisting Northampton County with MS4 permit compliance
- Completed first Low Volume Road Project on Books Hill Rd. in Plainfield Township
- Launched a Youth Watershed Steward Program
- Established Memorial Bench at County Park in the name of past District Manager, Chrissy Buchman
- Co-hosted 7<sup>th</sup> Annual Lehigh Valley Watershed Conference

Grant Money Brought  
to the County From  
Conservation District Efforts:

**\$223,936.00**



## 2017 Feature Accomplishment

“Lehigh Valley Geology” Act 48 Teacher Workshop

### **Resource Challenge**

Based on feedback from local teachers, the District identified the need to provide Act 48 training in the study of local geology.

### **Project Summary and Results**

The workshop provided educators with an introduction to the fundamentals of Lehigh Valley geology and the opportunity to visit unique locations in the field. The day started with an introduction and lecture by District staff members (and geologists) James Lawrence and Nathan Pritchard. During lunch, Shawn Casey, P.E., from CMT Services Group, provided an excellent presentation on the impact of sinkholes in the Lehigh Valley. The remainder of the day was spent in the field visiting rock outcrops that represented nearly all of the rock types in the valley. At each field stop, the teachers learned about how the rocks formed (depositional environments) and various mountain building events (orogenies) that shaped the valley as we know it today.

### **Key Project Partners**

Martins-Jacoby  
Watershed Association  
Lower Mount Bethel  
Township  
CMT Services Group



## Contact Information

Sharon Pletchan  
District Manager

Donald Mack  
Board Chairman

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(610) 829-6276

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northamptoncd@northamptoncd.org

## More Work to Do

- Continue to implement E&S and NPDES Program
- Provide E&S / NPDES training for the regulated community
- Seek funding for and continue to offer Act 48 Teachers' Workshop
- Implement the PA DEP Post Construction Stormwater Delegation
- Implement Nutrient Management Delegation
- Build District's Agricultural Assistance Program
- Develop Riparian Buffer Program with local partners
- Deliver 2018 Master Watershed Steward Class for the Lehigh/Northampton Program

# Northumberland County Conservation District

## Other Accomplishments

- Reviewed and approved 44 erosion and sediment plans, 19 NPDES permits, and 25 dam safety and waterway permits
- Performed 83 inspections on active construction sites
- Approved 8 nutrient management plans and performed 26 site reviews
- Assisted with 39 manure management plans and 33 ag erosion and sedimentation plans
- Installed streambank restoration best management practices on 5 sites throughout the county
- Completed an agricultural easement purchase, totaling 21 farms and 2,338 acres purchased
- Provided 19 educational programs to schools and community groups.
- Held 6 workshops for the farming community, municipalities, and the general public
- Sold over 12,000 trees at our annual tree sale
- Administered the mosquito-borne disease control program for DEP in 5 counties
- Provided funding through the Dirt, Gravel, and Low Volume Roads program to 3 municipalities, totaling \$244,550

## 2017 Feature Accomplishment

### Chillisquaque Creek Streambank Stabilization Project

#### **Resource Challenge**

The Chillisquaque Creek is listed on PA DEP's 303(d) impaired streams list and is a priority watershed for the Growing Greener Plus Northcentral Region. Implementing this project will help meet goals established in the Northumberland County Implementation Plan for the Chesapeake Bay Tributary Strategy as well as the Environmental Protection Agency's Chesapeake Bay Watershed Implementation Plan.

#### **Project Summary and Results**

This project was completed the week of July 31, 2017. The following were installed: 10 multi-log vane deflectors, 3 single log vane deflectors, root ball deflector, two 60" modified muddsill cribs, one 80" biomass muddsill crib, and 3 minor road crossings. The entire site was seeded and mulched after installation. As a side note, this particular project was challenging due to flooding rains that hit the area the week before causing major flooding at this area of the creek. Regardless of this setback, the project was completed in a timely manner.

#### **Key Project Partners**

PA DEP (the project was funding through PA DEP's Growing Greener), PA Fish and Boat Commission

## Contact Information

Judy Becker  
District Manager

Michael Hubler  
Board Chairman

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Sunbury, PA 17801  
(570)495-4665  
[www.nccdpa.org](http://www.nccdpa.org)

## More Work to Do

- Reach out to every ag operation in the county and offer our technical assistance.
- Pursue funding to preserve the remaining 56 farms waiting to be preserved in Northumberland County.
- Continue to offer educational programs free of charge to schools, community groups, and the general public.
- Provide information to homeowners on best management practices they can install in their own backyard.

Grant Money Brought to  
the County From  
Conservation District  
Efforts: \$729,819.83





# Perry County Conservation District

## Other Accomplishments

- Assisted 140 farmers with no-till technology on nearly 3,000 acres
- Assisted 35 building sites with Chapter 102 compliance
- Preserved 1 farm (212.34 acres), and reviewed Conservation Plans for 62 farms
- Coordinated an Ag E&S Plan writing workshop along with the Greenwood FFA Chapter and the Center for Dairy Excellence, 13 attendees
- Keep Perry County Beautiful Affiliate coordinated a Tire Collection (605 tires), E-cycling Collection (20 tons) and Juniata River Clean Up (80 tires, 500 lbs trash) events along with help from 60 volunteers
- Fielded over 100 environmental related inquiries from County residents

Grant Money Brought to the County From Conservation District Efforts: \$668,170



## 2017 Feature Accomplishment

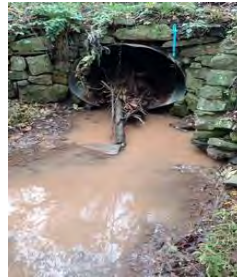
### Stream Crossing and DSA Project

Robinson Road, Juniata Township

#### Resource Challenge

*Improve stream health by reducing culvert degradation, increasing wildlife passage and maintaining stream flow.*

#### Before



#### After



#### Project Summary and Results

Replaced 42" X 60" CMP replaced with 13'11" X 3'2" Aluminum Structural Plate GP-11 Approved by DEP  
1950 Tons DSA placed at 8" lift compacted to 6"  
245' of new cross pipes installed

## Contact Information

Sally Tengeres  
District Manager

Oscar Campbell  
Board Chairman

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New Bloomfield, PA 17068  
(717) 582-8988 ext.4  
[www.perrycd.org](http://www.perrycd.org)

#### More Work to Do

- De-list 8 Ag Impaired streams
- Assist/write 400 manure management and Ag erosion and sediment control Plans for County farms
- Assist with the implementation of the County Greenways Plan
- Outreach program addressing well water quality and safety issues
- Increase preservation rate for 50 farms on the waiting list for Farmland Preservation Program

#### Key District Partners

**USDA NRCS, Penn State Cooperative Extension, Pa No-Till Alliance, PA DEP, SCC, PACD, Keep Perry County Beautiful, Foundation for PA Watersheds, Center for Dairy Excellence**

# Pike County Conservation District

## Other Accomplishments

- Implemented new District staff position focused on Conservation Outreach; expanded social media
- Conducted two spring Municipal Outreach workshops
- Held partner meeting with State and Federal Legislators
- Developed a plan for long-range continuation of on-going surface water monitoring program
- Completed a comprehensive baseline groundwater study of Pike County in cooperation with USGS
- Partnered with Pinchot Institute for Conservation Studies and Wm Penn Foundation to conduct stream monitoring as part of a larger study in the Upper Delaware Watershed
- Completed a new informational brochure entitled Opportunities for Public Input on the NPDES Permit Process
- Assisted County Government with update of Hazard Mitigation Plan
- Completed long-range Financial Plan and a succession plan for District Management

## Grant Money Brought to the County From Conservation District Efforts:

\$2,000 PACD Mini-Grant to conduct Non-Point Source Pollution, Groundwater and Your Drinking Water, homeowner workshops.  
\$188,000 grant funded for baseline groundwater quality study.  
\$137,000 in USGS in-kind matching funds for groundwater study  
\$3,000 PA DEP Environmental Education Grant for Solutions to Maintain Healthy Water – a BMP Tour.  
\$5,000 grant for water quality monitoring.



## 2017 Feature Accomplishment

### ***Baseline Assessment of Groundwater Quality in Pike County, PA*** ***(USGS Scientific Investigative Report)***

#### ***Resource Challenge***

Over 98% of Pike County's drinking water is supplied by groundwater. Little data existed on these groundwater resources in order to characterize groundwater quality conditions in aquifers tapped by wells used to supply drinking water.

#### ***Project Summary and Results***

The study collected and analyzed water samples from 80 privately owned domestic wells in order to extend the spatial extent of baseline groundwater quality data beyond data taken from 20 wells sampled in 2012. Wells were selected to represent groundwater quality throughout Pike County as defined by major land uses and rock types. A full range of parameters were sampled. Results of the study were published in 2017 by USGS as a Scientific Investigative Report.

#### ***Key Project Partners***

United States Geologic Survey USGS  
Pike County Conservation District  
Funded by: USGS and Marcellus Legacy Fund,  
Commonwealth Finance Authority

## Contact Information

Sally Corrigan  
District Manager

Scott Savini  
Board Chairman

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Hawley, PA 18428  
(570) 226-8220  
[www.pikeconservation.org](http://www.pikeconservation.org)

## More Work to Do

- Expand the District's Outreach carrying the District's Mission and Message to targeted audiences within Pike County
- Implement delegated duties in relation to numerous major construction projects including several utility line projects.
- Continue groundwater quantity and quality studies to better assess status and potential impacts.
- Conduct annual stream monitoring of macroinvertebrates in County watersheds to monitor water quality trends.



# Potter County Conservation District

## Other Accomplishments

- Met one-on-one with almost every municipality (30) in the county to provide technical assistance and open up lines of communication
- Completed projects that stabilized over 550 feet of streambank and created additional aquatic habitat
- Installed the 3<sup>rd</sup> public access point in the county for canoes and kayaks
- Assisted local farmers in developing over 50 Manure Management and/or Agricultural Erosion and Sedimentation Plans
- Coordinated with local municipalities to improve 14 municipal owned dirt and gravel roads utilizing over \$830,000.00 in funding
- Provided job shadowing opportunities, mock interviews, and spoke at career days at all 5 local school districts and hosted 6 Conservation Field Days with over 600 students in attendance
- Commenced easement of the 8<sup>th</sup> farm in the county through the Farmland Preservation Program

Grant Money Brought to the County From Conservation District Efforts: \$263,560.36



## 2017 Feature Accomplishment

### Ludington Run Aquatic Organism Passage Project



#### Resource Challenge

Habitat enhancement will require a multifaceted approach to restore stream quality in three ways: stream barrier remediation, fish habitat structure placement, and road sediment reduction. Culvert barrier rectification will remediate the worst fish barrier on this Genesee River tributary to facilitate upstream and downstream connectivity. A gravel road project will stabilize the stream adjacent Pushersiding Road to reduce impacts of excessive sedimentation.

#### Project Summary and Results

1. Connectivity to approximately 10 miles of prime upstream habitat critical for brook trout spawning in this Genesee River tributary.
2. A limestone road surface aggregate designed by Penn State University stabilized an estimated 2.5 miles of stream adjacent road responsible for discharging as much as 496 tons of road material for every .1 feet of surface erosion.
3. Restored approximately 61.18 acres of land between the riparian area around the replaced culvert and the road surface that stabilized.
4. 1,200,000 pounds of sediment loss avoided (600 tons per year).

#### Key Project Partners

NFWF, National Trout Unlimited, God's Country Chapter of TU, Upper Genesee TU, PA DEP, Genesee Watershed Association, Center for DGR/LVR, Bingham Township, Penn DOT.

## Contact Information

**Jason Childs**  
District Manager

**Earl Brown**  
Board Chairman

**107 Market Street**  
**Coudersport, PA 16915**  
**(814) 274-8411 ext.4**  
**www.pottercd.com**

## More Work to Do

- Continue to educate students and citizens about the importance of soil water and our natural resources.
- Install Agricultural BMPs on 3 farms during the 2018 construction season.
- Construct bottomless culvert on Gravel Lick Run (Kettle Creek) with help from Trout Unlimited.
- Finalize easement of the 9<sup>th</sup> farm in the Farmland Preservation Program.
- Complete stream restoration work at a minimum of 5 sites.
- Host a public meeting for participants of a USGS groundwater study to interpret well water test results from 46 sites.
- Host a rain barrel workshop.
- Host the 3<sup>rd</sup> annual Penn/York Ag-stravaganza.
- Construct another 8-10 DGR/LVR projects in 2018.

# Schuylkill County Conservation District

## Other Accomplishments

- Oneida #3 AMD Treatment System Optimization Project
- Good Spring Creek Floodplain Restoration Project



- Upper Swatara Creek AMD Monitoring Project water quality data collection
- Lorberry AMD Treatment System Rehabilitation Project
- Lesher Farm stream crossing
- Nutrient Management planning in Delaware Watershed

Grant Money Brought to the County From Conservation District Efforts:  
\$3,014,000.00



## 2017 Feature Accomplishment

### Swatara Creek Floodplain Restoration Phase 1 Construction Project

#### **Resource Challenge**

Since 2004 Pine Grove Borough has experienced 10 major flood events. Much of the development within Pine Grove is located along Swatara Creek's streambanks, floodplain, floodway or on artificially raised streambanks that were once floodplain.

#### **Project Summary and Results**

Project is designed to restore up to 15 acres of floodplain, create up to 4.4 new acres of wetlands and 6.1 acres of riparian habitat while modeling suggests reducing flood water elevations by nearly 2.5 feet North Pine Grove.



#### **Key Project Partners**

Borough of Pine Grove  
Guilford Performance Textiles by LEAR Corporation  
Schuylkill Economic Development Corporation  
PA Department of Community & Economic Development  
PA Department of Environmental Protection  
Swatara Watershed Flood Recovery Committee  
County of Schuylkill

## Contact Information

Jenna St. Clair  
District Manager

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Board Chairman

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Pottsville, PA 17901  
(570) 622-3742 ext. 5  
[www.schuylkillcd.com](http://www.schuylkillcd.com)

## More Work to Do

- Additional floodplain restoration projects
- Continue AMD discharge pollution remediation projects
- Increase coldwater habitat
- Dunn Dairy Farm Animal Heavy Use Area Protection, Manure Storage and Grassed Waterway
- Dandelion Farm Animal Heavy Use Area Protection
- Additional manure/nutrient management plans completed in Delaware Watershed (goal of up to 8 more)

# Snyder County Conservation District

## 2017 Feature Accomplishment

### AgroForestry Workshop

#### **Resource Challenge**

Private woodlots are not only valuable for timber, they also have the potential to house a marketable resource for a secondary or primary income.

#### **Project Summary and Results**

It was a pleasant surprise when 75 people attended the first ever workshop to introduce forest landowners to the plethora of environmental resources and profit making crops that can be grown and maintained in their private woodlots. Attendees heard presentations on tapping maple syrup, planting riparian buffers, growing medicinal plants and mushrooms as well as producing charcoal.



#### **Key Project Partners**

Snyder County Conservation District  
PA Bureau of Forestry  
Mid-State Partnerships, RC&D

## Contact Information

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District Manager

Roger Reichenbach  
Board Chairman

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Middleburg, PA 17842  
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[www.snyderconservation.org](http://www.snyderconservation.org)

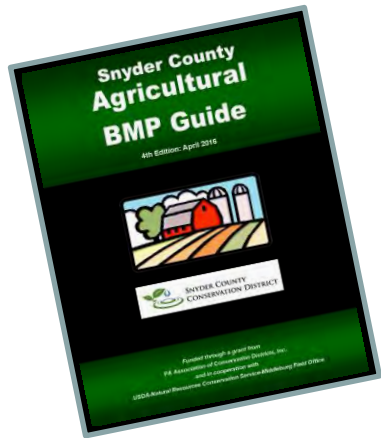
## More Work to Do

- Tree/Plant Sale
- Envirothons
- Bay Farm Inspections
- Eco Day
- Ag Land Preservation
- Chapter 102
- Act 38 Status Reviews
- Riparian Buffers
- Dirt & Gravel/LVR Projects



## Other Accomplishments

- Outdoor Ed Day
- Farm Girls Rock
- Chesapeake Bay Special Projects
- Annual Awards Banquet
- Walk In Penns Woods
- Farmer's Winter Meeting
- Trail Of Trees Nature Trail
- Snyder County BMP Guide



Grant Money Brought to  
the County From  
Conservation District  
Efforts: \$406,600.00



# Somerset Conservation District

## 2017 Feature Accomplishment

### Other Accomplishments

- Construction of first Oven Run AMD System Rehab Project on the Stonycreek River
- Orenda Park Stream Improvement project on Quemhoning Creek completed
- Plank Road Stream Improvement project completed on the Quemahoning Creek tailwater
- Completed two major stream improvement projects on the South Fork of Bens Creek
- Initiated the Soap Hollow Run Knotweed removal and stream improvement project
- Completed the North Fork of Bens Creek Stream Buffer Project
- Requested, received and funded the Shaw Mines Technical Assistance Report

Grant Money utilized - \$450,000.00  
Grant Money Brought to the County From Conservation District Efforts:



### Barron Farm Project

#### **Resource Challenge**

Severe sediment erosion into Laurel Hill Creek

#### **Project Summary and Results**

##### *Pasture Improvements include:*

4,300 feet of stream bank fencing, 660 feet of division fence, 1 solar powered fence charger, 1 rock lined stream crossing for equipment, 3 rock lined stream crossings for cattle, 700 feet of waterline, 2 watering facilities, 150 feet of animal walkway

##### *Stream bank improvements include*

Stream bank grading, rock lined stream bank areas, cross vanes, log vanes, root wads, 2400 live stakes, 1500 tree seedlings

#### **Key Project Partners**

*Landowner, Penn DOT, USDA NRCS*

### Contact Information

Lenny Lichvar  
District Manager

Jack Tressler  
Board Chairman

6024 Glades Pike, Suite 103  
Somerset, PA 15501  
(814) 445-4652 ext. 5  
[www.somersetcd.com](http://www.somersetcd.com)

### More Work to Do

- Complete the Oven Run Rehab Project on the Stonycreek River
- Rehab of the Jenners Passive Treatment System
- Design and fund the Shaw Mines AMD abatement project on the Casselman River
- Continue the Dirt and Gravel Road Program
- Initiate a lake habitat project and Nature Park improvements at Somerset Lake

# Sullivan County Conservation District

## Other Accomplishments

- Grades 4-6 Poster Contest
- 5<sup>th</sup> Grade Environmental Day
- Local and State Envirothon
- Conservationist of the Year- Andrew Trostle
- 8 Dirt & Gravel Projects Completed
- Conservation Tour
- CBP Special Projects
- 2017 Seedling Sale
- Green Career Day Participation
- Conversation with Conservation in the local newspaper
- County Road Maintenance Workshop
- Preserved 56.86 Acres of Farmland
- Job Shadow day with a student from the high school
- Assisted with the repair of an acid mine drainage treatment site

Money Brought to the  
County From Conservation  
District Efforts:  
\$641,175.00



## 2017 Feature Accomplishment

### Elk Creek Stream Restoration Project (Phase III)

#### **Resource Challenge**

Severe erosion, loss of streambank and property, and lack of trout habitat

#### **Project Summary and Results**

The goal was to stabilize the streambank using PA Fish and Boat Commission Habitat Management Practices. The log structures being utilized allow for bank stability, reduced risk of sediment entry to the stream channel, and improved and enhanced in-stream aquatic habitat. With the third phase complete, we have stabilized more than 2,300 feet of stream using multi-log vanes, modified mud sills, and root wads.

#### **Key Project Partners**

PA Fish and Boat Commission's Habitat Management Division, Chief Oil & Gas LLC, and landowners.

## Contact Information

Holly Miller  
District Manager

Francis Moll  
Board Chairman

9219 Route 487 Suite B  
Dushore, PA 18614  
(570) 928-7057  
[www.sullcon.com](http://www.sullcon.com)

## More Work to Do

- Offer more workshops and events
- Streambank stabilization
- Increase Education and Outreach
- Continue to preserve farmland in Sullivan County
- Dirt, Gravel, and Low Volume Roads Projects



# Susquehanna County Conservation District

## Conservation District Efforts:



*Legislative Breakfast*

**SUSQUEHANNA COUNTY  
MANURE MANAGEMENT BUS TOUR**

March 30<sup>th</sup> 2017 ♦ 8:30am - 4:30pm

Susquehanna County Conservation District (SCCD) will be hosting a Manure Management Bus Tour.

You will be able to see how farmers in our county have implemented Manure Management Best Management Practices on their farms.

Learn how SCCD & NRCS can help you with our cost sharing programs and free technical assistance.

**RSVP by March 22<sup>nd</sup>** by contacting SCCD at the address below.

**We will call and confirm your seat & itinerary the week prior.**

Includes travel and lunch!

Bus will leave from Montrose Price Chopper at 8:30am sharp

RSVP: SCCD – 88 Chenango St. Montrose, PA 18801  
570-278-4600 x3052 • soil@suscondistrict.org

## *Nutrient Management Tour*



## 2017 Feature Accomplishment

### Installation of agricultural best management practices



*Claude Bennett covered barnyard*

### Resource Challenge

Keeping cattle contained during winter months to control manure runoff and potentially damaging pasture.

### Key Project Partners

NRCS provided EQIP funding and design.

## Contact Information

Jim Garner  
District Manager

Raymond Warriner  
Board Chairman

88 Chenango St.  
Montrose, PA 18801  
Phone: (570) 278-4600 ext. 3050  
[www.suscondistrict.org](http://www.suscondistrict.org)



70<sup>th</sup> District Anniversary

### **Grant Money Brought to the County From Conservation District Efforts:**

Recently received nearly \$500,000 in Growing Greener funding for construction of agricultural best management practices.



# Tioga County Conservation District

## 2017 Feature Accomplishment

### Other Accomplishments

- 2 Landowner Cost Share Program projects for streambank rehabilitation
- Streambank rehabilitation with Northcentral PA Conservancy grant partnership
- Over 30 environmental education programs
- 11 Dirt and Gravel and Low Volume Roads Projects
- Assisted farmers with Ag erosion and sediment plans, manure management plans, and nutrient management plans
- Assisted with Headwater Hemlock Project

Grant Money Brought to the County From Conservation District Efforts: \$1,934,519

### Salt Spring Run Culvert Replacement and Fish Passage

#### **Resource Challenge**

Improperly constructed culverts cause maintenance headaches and are at risk of washing out during large storm events. This culvert became 'perched' at the outlet which caused erosion and prevented fish and other organisms from migrating, thereby cutting off many miles of habitat that could be used for feeding, refuge, and reproduction

#### **Project Summary and Results**

The replacement of two multi-culverts with bridge structures addressed multiple issues within the watershed including barriers to aquatic organism passage due to perched culvert pipes, sediment loading and the safety hazards associated with deteriorating multi-culvert road crossings. The environmental benefits include:

- Decrease of 5,100 lbs. of sediment annually
- Decrease of 2.5 lbs. phosphorous annually
- Decrease of 5.1 lbs. nitrogen annually
- 10.8 miles of habitat open to aquatic organism passage



#### **Key Project Partners**

Liberty Township, National Fish and Wildlife Foundation, Shell Appalachia, Trout Unlimited, Tioga County Conservation District Dirt and Gravel Roads, USGS, US Fish and Wildlife Service

### Contact Information

Erica Tomlinson  
District Manager

Carl Koch  
Board Chairman

1867 Shumway Hill Rd.  
Wellsboro, PA 16901  
(570) 724-1801

[www.tiogacountypa.us](http://www.tiogacountypa.us)

### More Work to Do

- Continued education
- Morris Run Acid Mine Drainage Cleanup
- Further Dirt and Gravel Road improvements
- Streambank rehabilitation
- Two large agriculture improvement projects



# Union County Conservation District

## Other Accomplishments

- Stream monitoring to measure conservation practice effectiveness
- Ongoing Erosion reviews of Central Susquehanna Valley Thruway project
- Multiple Ag. waste projects
- Cover Crop cost share program
- 2000 acres covered with No-Till Equipment Rental program
- More than 50 Erosion reviews on commercial and agricultural business expansions
- Permanent Ag. Easements on 8500 acres (to date)
- Ongoing Nutrient Management reviews on 40 Concentrated Animal Operations
- Ten Inventory and Evaluations on prospective Ag. projects

Grant Money Brought to the County From Conservation District Efforts: **\$1million(2017)**



## 2017 Feature Accomplishment

### Conley Run stream restoration

#### **Resource Challenge**

Address multiple environmental issues such as loss of aquatic habitat, over grazing of pastures, streambank erosion, unlimited cattle access to stream, lack of stream buffers on 2300 feet of stream.

#### **Project Summary and Results**

The Conley Run project installed 3000 feet of new stream exclusion fencing to limit cattle access to the stream. It involved the installation of 101 log deflectors, 340 feet of streambank toe logs, 300 feet of mounds and 20 grade control structures. The new buffer area averages 50 feet in total width. 400 trees and shrubs will be installed to finish off the project. This project will provide the opportunity for the land and stream to heal itself from years of negative impact from cattle access and restore an ecosystem which will naturally provide habitat for many aquatic and terrestrial species while simultaneously filtering water and storing stormwater.



*Before*



*After*

#### **Key Project Partners**

PA. Fish & Boat Commission, North Central PA Conservancy, PA DEP, Bucknell University, Buffalo Creek Watershed Alliance

## Contact Information

William Deitrick  
District Manager

Donald Fogle  
Board Chairman

155 North 15<sup>th</sup> Street  
Lewisburg, PA 17837  
(570) 524-3860  
[www.unioncountypa.org](http://www.unioncountypa.org)

## More Work to Do

- Continue Agriculturally based Best Management Practice installations
- Install stormwater management facilities on unmitigated critical project sites
- Develop pollinator habitats in both urban and rural settings to aid in the re-establishment of these vitally important invertebrates
- Expand Environmental Education to continually broader audiences
- Assist the general public in the ongoing effort to balance environmental protection with economic development

# Venango County Conservation District

## 2017 Feature Accomplishment

### Other Accomplishments

- 45 Dirt & Gravel Road projects completed
- 5 Low Volume Road projects completed
- Bullion Run Watershed Assessment
- 5 Stream Bank Stabilization Projects
- 3 Aquatic Habitat improvement projects
- Ag. Awareness Day
- 37 Ag. BMP's installed

Grant Money Brought to the County From Conservation District Efforts: 1,159,744.00



## Regional Agricultural Watershed Assessment Program Initiative

### Resource Challenge

The Kahle Lake watershed is a small sub-watershed (4.48sq. miles) of Mill Creek and was identified as being impaired from agricultural runoff by DEP. This Ag. runoff was responsible for a pollution event that resulted in a fish kill to Kahle Lake itself.

### Project Summary and Results

Through a grant awarded by the Department of Environmental Protection an assessment of the watershed identified all the agricultural resource concerns. The District, working with the landowners in the watershed addressed all the planning needs of the Producers, five manure management plans and one nutrient management plan, and implemented all the necessary BMP's (19 separate BMP's) to address each identified resource concern.

### Key Project Partners

The partners involved in completing this grant were the Department of Environmental Protection, Venango and Clarion conservation District's, NRCS Clarion Field Office, landowners, PennDOT, Richland Twp., Venango County Planning, and Team Ag.

### Contact Information

Lance Bowes  
District Manager

Mike Ohler  
Board Chairman

1793 Cherrytree Road  
Franklin, PA 16323  
(814) 676-2832  
[www.venangocd.org](http://www.venangocd.org)

### More Work to Do

- Conduct abandoned oil well plugging
- Implement Ag. BMP's on Ag. Impaired waters in Venango Co.
- Work with municipalities on implementing the Dirt Gravel and Low Volume Road program
- Continue to work with Venango County Planning Commission to implement Act 167 stormwater
- Install stormwater management BMP's
- Remediate AMD in the Scrubgrass and South Sandy Creek Watersheds
- Continue Erosion & Sediment Control Program work
- Provide Environmental Education programming

# Warren County Conservation District

## 2017 Feature Accomplishment Doud Hill Farm Tree Planting

### Other Accomplishments

- Kindergarten Camp
- Children's Nature Camps
- Youth Conservation Camp
- Dirt, Gravel & Low Volume Roads
- E&S Plans Reviewed
- General Permits Issued
- NPDES Permits Issued
- Envirothon
- Tree Planting
- Fish Habitat Structures
- In Class Education Programs
- Multi County Sustainable Forestry Initiative
- Composting Workshop
- Stream Bank Workshop
- Timber Harvest Workshop
- Conservation Education at the Warren County Fair
- Nutrient Management Program
- Water Monitoring
- Hatch Run Conservation Demonstration Area
- Agricultural Programs
- Conewango Creek Clean up
- Stream Bank Stabilization

Grant Money Brought to the County From Conservation District Efforts: \$650,000.00



### **Resource Challenge**

To help establish a Stream Buffer on Coffee Creek in Columbus Township

### **Project Summary and Results**

The agencies worked together to build a buffer with 580 trees and shrubs between the stream and upland area. Approximately 40 volunteers planted 17 different species of native trees and shrubs. As they grow, the trees will help stabilize the stream banks, provide temperature regulating shade, and habitat for land and aquatic wildlife. Tree tubes which will deter wildlife and act like greenhouses were staked over each plant. Geotextile mats for weed and moisture control were placed at the base of each tube. Volunteers also placed netting over the top of the tubes to keep birds out.

### **Key Project Partners**

Warren County NRCS  
DCNR Bureau of Forestry  
Western Pennsylvania Conservancy  
Conewango Creek Watershed Association  
Caldwell Creek Trout Unlimited  
Brokenstraw Watershed Council  
Corry High School Forestry Program  
Warren County 4H Teen Council

### Contact Information

Heather Wilcox  
District Manager

Barry VanOrd  
Board Chairman

4000 Conewango Ave.  
Warren, PA 16365  
(814) 726-1441  
[www.wcconservation.net](http://www.wcconservation.net)

### More Work to Do

- Administer delegated programs
- Conservation Education & Outreach
- Develop conservation education opportunities at Hatch Run Conservation Demonstration Area
- Provide technical assistance



# Washington County Conservation District

## 2017 Feature Accomplishment

### Other Accomplishments

- 11 Low Volume Road projects completed, at a cost of \$232,589
- 3 Dirt & Gravel Road projects completed, at a cost of \$358,295
- Held a Streambank workshop in conjunction with Greene County Conservation District, attended by 47 municipal workers.
- Facilitated the coordination of 2 streambank restoration projects within the county, resulting in over 5,000 ft of stream bank fencing, 6 animal crossings, 3 spring developments, and over 1,000 feet of in-stream stabilization.

Grant Money Brought to the County From Conservation District Efforts in 2017:  
\$44,135.25



### Washington County Conservation Center

#### Resource Challenge

At the end of 2016 we were notified by our lessor that our lease would be ending. The current building is located in a flood plain and has flooded before. Therefore,, we would need to find new premises out of the flood plain (along with the USDA operations that also leased in the building). Our goal was to keep all of our conservation services in one location.

#### Project Summary and Results

In working with the County officials we were able to secure a long-term lease to renovate one of their old buildings. This new structure will house the Conservation District, the USDA Farm Service Agency, and the USDA Natural Resources Conservation Service. The project will be completed in 2018.



#### Key Project Partners

Our work with Washington County officials and the USDA departments made this project come together to benefit everyone in the community.

### Contact Information

Gary Stokum  
District Manager

William Iams  
Board Chairman

2800 North Main St., Suite 105  
Washington, PA 15301  
(724) 705-7098  
[www.pawccd.org](http://www.pawccd.org)

### More Work to Do

- Complete 2 separate Growing Greener funded Agricultural BMP projects at 5 different farms in the Raccoon Creek Watershed
- Complete the building construction and move our offices to the new location: 50 Old Hickory Ridge Road, Washington, PA 15301



# Wayne Conservation District

## 2017 Feature Accomplishment

### Wayne Conservation District Habitat Room

We wanted to create an atmosphere in our office that would allow for us to provide consistent and interactive natural resource education to the community in Wayne County.

The Wayne Conservation District was approved for two separate DEP EE Grants in order to accomplish this project over the course of a 4 year period. We have a mural that covers four walls going from dawn in early Spring to evening in Winter. We also incorporated a great deal of wildlife mounts that we had on hand from the use of our salvage permit. Other educational tools were purchased from grant monies to complete this project including fur, skull, scat and track kits.

Our key project partners for this undertaking included the PA DEP, two local professional artists and the staff here at the District. The project was finally completed and opened to the public in early 2017.



## Other Accomplishments

- Dirt, Gravel and Low Volume Road Program Successful Projects for Water Quality
- Annual Maple Tour
- Annual Woodsmen's Competition
- Annual Envirothon
- Annual Seedling Sale
- Partnership with the Equinunk Watershed Alliance on a Growing Greener Grant for a Watershed Management Plan

Grant Money Brought to the County From Conservation District Efforts:  
\$650,000.00



## Contact Information

Jamie Knecht  
District Manager

Karl Eisenhauer  
Board Chairman

Wayne County Park Street Complex  
648 Park Street  
Honesdale, PA 18431  
(570) 253-0930

<http://waynecountypa.gov/186/Wayne-Conservation-District>

## More Work to Do

- Manure Management Plan Workshops
- Implementation of GG Grant to create Equinunk Watershed Management Plan
- Education on emerging Forest Pest management in Wayne County
- Hydrilla Technical Assistance

# Westmoreland County Conservation District

## Other Accomplishments

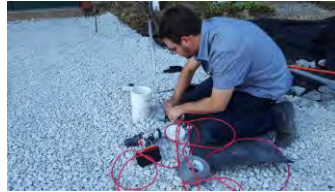
- Continued development of a county-wide Integrated Water Resources Plan.
- Began rehabilitation of a county park that has been impacted by invasive species.
- Completed seven municipal stormwater basin retrofits.
- Completed two streambank stabilization projects totaling 1,700 ft.
- Awarded ten Dirt, Gravel, and Low Volume Road projects.
- Partnered with MS4 communities on a series of workshops.
- Began a West Nile Virus Program with 62 monitoring locations in the county.
- Hosted ten education programs for area farmers.
- Welcomed the District's first Americorps member.

## Grant Money Brought to the County From Conservation District Efforts:

• DGLVR Program	\$450,000
• Stormwater Programs	\$475,000
• Basin Retrofits	\$514,978
• PADOT Mitigation	\$1,097,000
• Agricultural BMPs	\$145,603
• Nature Park Rehabilitation	\$54,500
• Education	\$23,000



## 2017 Feature Accomplishment Green Infrastructure Monitoring Project



### **Resource Challenge**

Land developers, engineers, and municipal officials are looking for proven strategies for managing stormwater on site. Many in the conservation community have touted the benefits of green infrastructure, but there is a lack of local science-based data to provide credibility for these conservation practices.

### **Project Summary and Results**

The Westmoreland Conservation District's Green Infrastructure Monitoring Program was designed to provide data to improve the design and performance of stormwater best management practices.

Electronic sensors were installed on various BMPs to monitor soil moisture, electrical conductivity, and temperature to help determine the effectiveness of each system's performance. Rain gauges were installed on-site to gather rain data that can be cross referenced with each monitor. To date, the District is gathering data from four pervious pavement products, a green roof, a bioswale, and three rain gardens. District staff are sharing the information with local engineers, landscape architects, and municipal staff. The next phase of the project will be the creation of a web interface to share the information with the public.

## Contact Information

Gregory Phillips  
District Manager/CEO

Ronald Rohall  
Board Chairman

J. Roy Houston Conservation Center  
218 Donohoe Road  
Greensburg, PA 15601  
(724) 837-5271  
[www.wcdpa.com](http://www.wcdpa.com)

## More Work to Do

- Complete the county-wide Integrated Water Resources Plan.
- Manage a stream and wetland mitigation project along Rt. 31.
- Finalize and promote an educational video on stormwater basin retrofits.
- Complete the county park rehabilitation with native plantings, deer fencing, and trail improvements.
- Continue monitoring local stormwater BMPs.
- Daylight and restore several hundred feet of long-buried stream on a county brownfield site.
- Organize and host an agricultural E&S plan writing session for area farmers.
- Organize a fieldtrip for small dairy farm operations.

# Wyoming County Conservation District

## Other Accomplishments

- Contractor's Workshop
- Seedling Sale
- Arbor Day Seedlings to Students
- Envirothon
- Conservation Field Days
- Ag Day
- Wyoming County Community Fair
- Banquet
- School Programs & Various Outreach
- Wyoming County Resource Bus Tour

Grant Money Brought to the County From Conservation District Efforts:  
Dirt, Gravel and Low Volume Roads Conservation Fund  
PA State Envirothon Growing Greener II  
Chesapeake Bay Special Projects Program  
PA Farmland Preservation Program

## 2017 Feature Accomplishment

### P.H. Livestock Manure Storage and Heavy Use Area

#### **Resource Challenge**

Provide a stabilized area to feed animals and store manure during the winter months and poor weather conditions

Stop the erosion of soil and traveling of nutrients into the waterways of the commonwealth

#### **Project Summary and Results**

Installation of a manure storage structure capable of holding four months worth of manure

Installed two heavy use areas for livestock

Construction of reinforced animal walkways, stream crossing and access roads

Installation of vegetated treatment areas and filter strips and riparian buffer along the entire length of stream

Installation of rain gutters

Construction of watering facilities for rotational grazing

#### **Key Project Partners**

The Conservation Fund

Williams Transco Atlantic Sunrise Environmental Stewardship Program

Natural Resource Conservation Service

Chesapeake Bay Foundation

## Contact Information

Douglas Deutsch  
District Manager

Bob Robinson  
Board Chairman

21 Hollowcrest Road  
Tunkhannock, PA 18657  
(570) 836-2589 [www.wccdpa.org](http://www.wccdpa.org)

## More Work to Do

- Stabilize streambanks and reduce sediment pollution to the Susquehanna River watershed
- Reduce nutrient pollution to the Susquehanna River watershed
- Increased ESM training for municipalities with Dirt and Gravel Roads
- Continue to monitor pipeline and all construction activities for loss of sediments.
- Preserve more farmland





# York County Conservation District

## Other Accomplishments

- Implement the Erosion & Sediment Pollution Control Program
- Assist landowners and farmers providing conservation and nutrient mgmt. planning, technical & financial assistance for BMP implementation
- Promote Watershed Stewardship by providing education, technical and financial assistance via partnerships at the grass-roots level.
- Implement \$625,000 Dirt, Gravel and Low Volume Road Program promoting BMPs to improve roads and protect water resources w/ local municipalities
- Implement \$225,000 Exelon Stream & Habitat Improvement Program w/ landowners and local governments
- Provide Information to the Public via our website, Facebook page, newsletters, education meetings and mass media
- Host our Annual Seedling Sale & Clay Shoot Fundraisers to support education efforts and engage donors/sponsors
- Carefully manage budgets in difficult economic times with direction from our Citizen Member Board of Directors & County Commissioners

Grant Money Brought to the County From Conservation District Efforts:

\$1,225,000



## 2017 Feature Accomplishment

### York County Envirothon

#### Resource Challenge

Educate and excite our youth about the value and importance of natural resource conservation in order to motivate them to learn about their environment – Soils, Forests, Wildlife, Aquatics, & Issues of the Day, impacting us all, for the benefit of future generations.



#### Project Summary and Results

For 32 years we have coordinated annual Envirothon event competitions, where nearly 1,000 students in grades 3 thru 12 study resource materials, take field trips, attend training sessions all in preparation for the 4 grade-level competitions. At Senior High level, County winning teams compete at State Level, and State winners compete at the Conservation Foundation National Envirothon week-long event.

#### Key Project Partners

- 11 Cooperating Agencies
- 68 Sponsors/Donors
- 29 Envirothon Committee Members
- 16 Public Schools, plus Homeschools & Parochial Schools
- 165 Teams & Coaches



Waterway & Pasture



Low Volume Roads Project

## Contact Information

Mark Kimmel  
District Manager

Jeffrey Gossert  
Board Chairman

118 Pleasant Acres Road  
York, PA 17402  
(717) 840-7430  
[www.yorkccd.org](http://www.yorkccd.org)

## More Work to Do

- Protect our soil and water resources via education, permitting, plan review, field inspection, complaint response and technical & financial assistance to our clients & cooperators
- Seek out resources to address 150 cooperator requests for planning assistance covering 34,000 acres
- Support Collaborative efforts like the York County Regional Pollution Reduction Plan & Stormwater Authority Initiative
- Increase outreach to municipalities not already participating in our Dirt, Gravel & Low Volume Roads Program to encourage project application to fund BMPs to improve roads, reduce pollution and maintenance costs