

HIGHLIGHTS OF CONSERVATION DISTRICT ACTIVITIES 2019

Presented by PACD



Adams County Conservation District

2019 Feature Accomplishment



Reforestation Adams County Streams

Resource Challenge

Pennsylvania's Phase 3 Watershed Implementation Plan is driving the county to achieve pollutant reductions through the installation of riparian buffers and urban tree plantings.

Project Summary and Results

14+ acres of riparian buffers were installed by contractors at:

- Carroll Valley Borough Parks – 5.25 acres along Toms Creek & Friends Creek
- Lake Heritage Property Owners Association – 9.6 acres along Plum Run on association owned lots

6+ acres of riparian buffers were installed through ACCD's:

- Install & Educate Program – 750 trees and shrubs were planted on 4 school properties with students while learning the benefits of trees and buffers

Key Project Partners

PADCNR – C2P2 Grant, Western Pennsylvania Conservancy – Stream ReLeaf Grant, Chesapeake Bay Foundation – Keystone 10 Million Trees Partnership, Watershed Alliance of Adams County, local schools

Other Accomplishments

- Agricultural Best Management Practices (BMPs) installed: 7.7 miles of subsurface drainage, 1.54 miles of waterways covering 5.6 acres, 0.46 mile of underground outlet, 0.46 mile of terraces, 464 ft of diversions, 265 ft of spouting, and 2 sediment basins
- Performed 251 E&S inspections with 99% compliance
- Installed 21 acres of riparian buffers and contracted 20+ acres of riparian buffers and wildflower & native grass meadows for 2020.
- Dirt, Gravel, and Low Volume Roads completed 3 sites: 4 stream culvert replacements, 420 ft of underdrains, 650 ton of road fill added, 2800 ft of improved road surface
- Mosquito-borne Disease Program sites treated: 293
- Ticks collected to be analyzed for tick-borne diseases: 65 deer ticks, 88 dog ticks
- County students reached through environmental programs: 1,825+



Funding brought to the County through Conservation District efforts: **\$1,120,604**

Contact Information

Adam McClain
District Manager

Carl Keller Jr
Board Chairman

670 Old Harrisburg Road, Suite 201
Gettysburg, PA 17325
(717) 334-0636
www.adamscounty.us

More Work to Do

- Assist landowners with installing forest buffers
- Assist agricultural operations with installing agricultural BMPs and complying with state regulations
- Assist local MS4 municipalities with installing urban BMPs
- Assist local land developers comply with state soil erosion regulations
- Assist municipalities with installing BMPs along local roads

Allegheny County Conservation District

Feature Accomplishment

Milk Run Abandoned Mine Water Treatment Plant



Milk Run, in North Fayette Township, has been polluted for over a century. The discharge was the single largest source of acidity and aluminum pollution in the Montour Run Watershed. An abandoned mine water passive treatment system will improve water quality and enhance an important resource for residents.

An AMD 5-pond passive treatment system will restore nearly a mile of stream by removing an estimated 72,000 pounds of acid and 7,000 pounds of aluminum per year.

Key Project Partners: Montour Run Watershed Association, Department of Environmental Protection, Stream Restoration Incorporated, and Independence Conservancy with funding from Range Resources, U.S. Office of Surface Mining, S. Kent Rockwell Foundation, and Foundation for Pennsylvania Watersheds

Other Accomplishments

- **Riparian Buffer Plantings** : 1,220 trees planted during five volunteer events
- **Dirt, Gravel and Low Volume Road Grants** : \$364,000 awarded to four municipalities
- **Farmland Preservation:** Three farms preserved totaling 161 acres with a fourth farm (105 acres) to be preserved in early 2020
- **Soil Lead Screenings:** 1900 free tests for community members and partner projects
- **Workshops:** Water Quality Monitoring Workshop, Three Rivers Urban Soils Symposium, Erosion Control Workshop, Western PA Regional Soil Health Workshop, Manure Management Planning Workshops



Funding brought to the County through Conservation District efforts: \$114,000

Contact Information

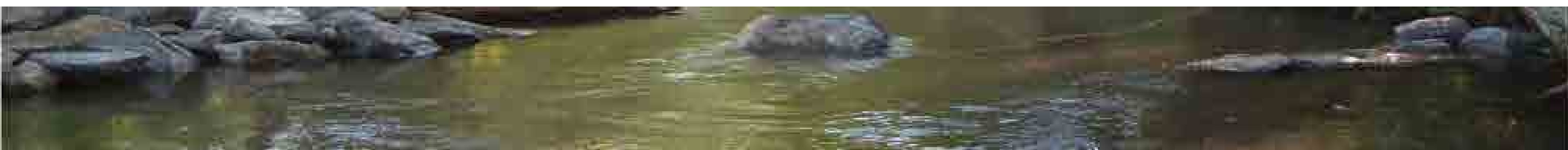
Heather Manzo
Executive Director

Eric French
Board Chair

33 Terminal Way, Suite 325b
Pittsburgh, PA 15219
412-241-7645
accdpa.org

More Work to Do

ACCD continues to build partnerships and capacity between and within municipal and community groups across Allegheny County and to create impactful stormwater and watershed improvements and infrastructure.



Armstrong Conservation District

2019 Feature Accomplishments



- Funded 19 Dirt and Gravel Road Projects and 6 Low Volume Road Projects benefitting 21 municipalities. Total funding allocated to local municipalities in 2018/19 exceeded \$1,010,000.
- Conducted workshops for earthmoving contractors, E&S plan preparers, and agricultural producers interested in managing their manure.
- Sponsored a rain barrel workshop to demonstrate an effective water conservation and utilization technique.
- Began work on the Gerald Kimmel Landowner Reclamation Project developed in conjunction with the State Conservation Commission (SCC)

Other Accomplishments

The Conservation District in 2019 captured \$20.46 in other funding for Armstrong County for every dollar that was allocated to the District from our County Commissioners

Completed work on the Darmac#14, Silver Rock I and Silver Rock II Abandoned Mine Passive Wetland Treatment Projects in conjunction with DEP -Bureau of District Mining Operations



Funding brought to the County through Conservation District efforts: \$ 2.78 Million

Contact Information

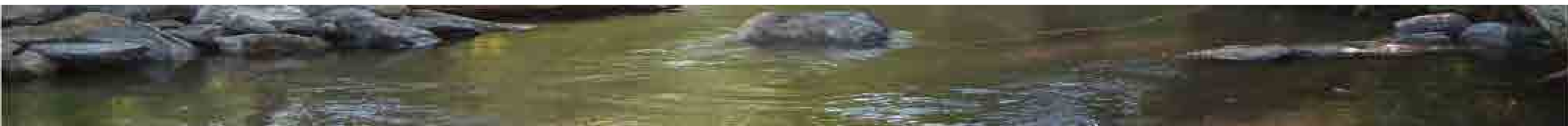
Dave Rupert
District Manager

Andrew Kimmel
Chairman

120 South Grant
Avenue- Suite 2
Kittanning, Pa. 16201
724-548-3425
Armstrongcd.org

More Work to Do

In 2020, we plan to begin work on the Brian Kimmel Ag BMP Project- \$331,541.00 and the Stewart Farm Ag BMP project- \$149,705



Beaver County Conservation District

2019 Feature Accomplishment



Our new Watershed Specialist, Hannah Schrauder, has hit the ground running. She has applied and received several grants this year, but the most fun project was the Cooney Hollow Stream Cleanup. Twenty-two volunteers attended, including several Boy Scouts, to help pick up trash in and along a tributary flowing next to Cooney Hollow Road in Economy Borough. They collected an estimated 30 tires, 20 TVs, and other miscellaneous items that had been dumped. Funding for this stream cleanup was provided by the Henry L. Hillman Foundation in conjunction with RiverWise. We also thank Economy Borough for their support.

Other Accomplishments

We hosted workshops on agricultural E&S, manure management, rain barrels and non-point source pollution, held a forestry field day for landowners, and received a Growing Green grant for a streambank project on Raccoon Creek.

In youth education and outreach, we had 29 teams participate in our county Envirothon and 766 students, teachers, and youth leaders attend wetland and watershed classes at our education facilities.



Funding brought to the County through Conservation District efforts: \$33,854.00

Contact Information

Georgia Miller
District Manager - Interim

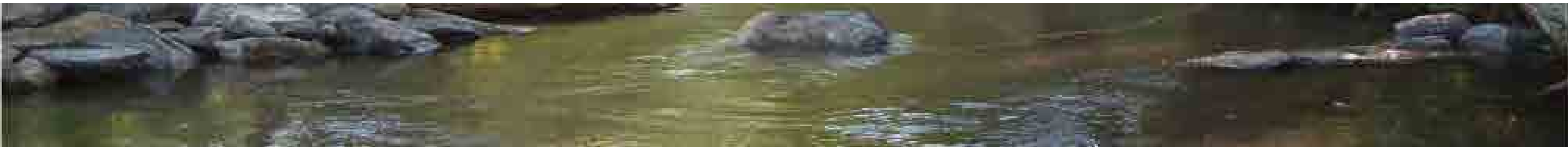
Mike Price
Board Chairman

156 Cowpath Road
Aliquippa, PA 15001
Phone: (724) 378-1701

www.beavercountyconservationdistrict.org

More Work to Do

One of our major goals for 2020 is to increase our outreach to our municipalities and inform them of the resources we provide.



Bedford County Conservation District

During 2019, 13 road projects were completed in the County through the Dirt, Gravel and Low Volume Road Program, eight on unpaved roads and five on low volume paved roads, though some of these were initiated in prior years. Contracts for the work were with nine townships and the Pennsylvania Game Commission. Funds provided to the participants totaled about \$1.13 million.

The most expensive project addressed a slope failure along a road in Londonderry Township, first noticed as the guide rail began sliding down the slope in early Spring 2019. A geotechnical survey revealed failure under about 200 feet of roadway, threatening a tributary to Wills Creek and a railway. Work began in late October and was completed in early November.



Funding brought to the County in 2019 through Conservation District efforts: \$1,278,134

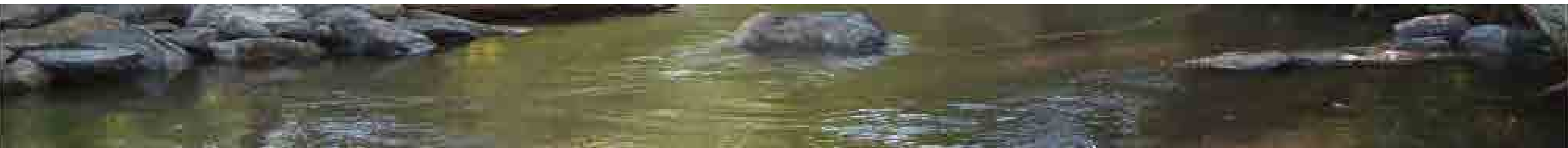
Contact Information

Jennifer Lentz Kovacs
District Manager

James Bence
Chairman

702 West Pitt Street, Suite 3
Bedford, PA 15522
814-623-7900, ext. 4

www.bedfordcountyconservation.com



Berks County Conservation District

2019 Feature Accomplishment



Performed almost \$1.5 Million in projects within the Dirt Gravel Low Volume Road Program. 14 Projects were completed in 2019 to improve roads and water quality.



Other Accomplishments

- Completed almost \$500,000 in SLF Control work in 2019
- Completed 2 Large Stream bank restoration projects in the Borough of Topton and on the Zartman Farm.



- Hiring of a Professional Engineer to expand services to include PCSM and Individual permit reviews.

Funding brought to the County through Conservation District efforts: \$4 -5 Million

Contact Information

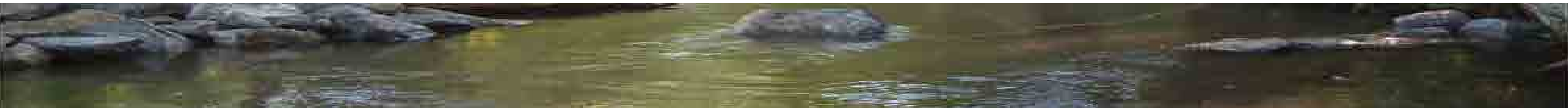
Dean Druckenmiller
District Executive

Piper Sherburne
Chairperson

1238 Count Welfare Rd
Leesport, PA 19533
610-372-4657
www.berkscd.com

More Work to Do

- Spotted Lantern Fly Control
- Stream Buffer Installation
- Mushroom Farm Plans
- PCSM Delegation



Blair County Conservation District

2019 Feature Accomplishment



Work Continues with Intergovernmental Stormwater Committee

Authorization was given to extend the governing body established to work regionally on stormwater implementation in Blair County. The District was again chosen to host the Stormwater Coordinator through December 2023.

Specific to our MS4 area, the District initiated work on two grants promoting green infrastructure and water quality monitoring. Construction will begin in 2020 at Lakemont Park and PNG Field, home of the Altoona Curve Minor League Baseball Team!

Other Accomplishments

Blair County Leads the Central PA Region in Farmland Preservation

Thanks to a generous County Allocation for 2019, the District serving the Ag Land Preservation Board, preserved 4 farms in 2019.

Blair County now has 55 farms totaling 8,133 acres permanently under conservation easements.

Programs Begin at NatureWorksPark

Just one year after the groundbreaking ceremony, the first event was held at the District's Park. Throughout the year we hosted numerous groups and forged many new Partnerships! Captured below is one of our "Paint to Drip" Rain Barrel Workshops with local artist, Sarah Vogel.



Funding brought to the County through Conservation District efforts: \$730,000.00

Contact Information

Donna J. Fisher
District Manager

Harold W. Bailey
District Chairman

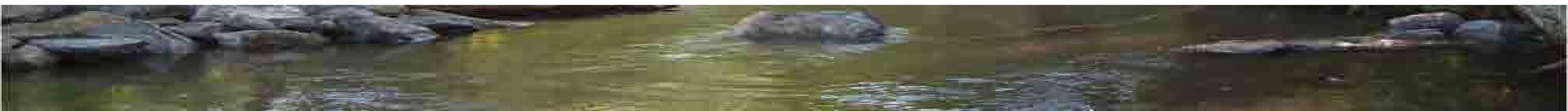
1407 Blair Street
Hollidaysburg, PA 16648
814-696-0877 ext. 5

www.blairconservationdistrict.org

www.natureworkspark.org

More Work to Do

- Continue writing Ag Erosion and Sediment Control Plans for Blair County Landowners
- Host a Municipal Officials Workshop



Bradford County Conservation District

2019 Feature Accomplishment



Project : Comprehensive Watershed Conservation in Dairy and Livestock Landscapes of the Chesapeake Bay – Bradford County Conservation District Regional Conservation Partnership Program(PA)

Main partners : Landowners, local contractors, BCCD, NRCS, NFWF, PA DEP, Upper Susquehanna Coalition, Chesapeake Bay Foundation.

- 22 stream sites rehabilitated (1.86 miles of stream channel and 3.21 miles of riparian zone)
- 12 farm projects (111 Ag BMP's installed)
- 4 Dirt and Gravel road improvement projects
- Annual savings: 10,472,500 lbs. sediment, 36,800 lbs. Phosphorus, 87,500 lbs. Nitrogen

Other Accomplishments

Emergency Stream Intervention – An emergency permit pilot program for Bradford County included as part of BCCD's Chapter 105 Program. Thirty-eight attendees including municipalities, landowners and contractors attended a 3-day classroom and field-based training where they learned the fundamentals of emergency stream intervention and how the emergency permits would be utilized.

Main Partners : Bradford County Commissioners, PADEP, BCCD

American Eel Pilot Program – This program is to educate the community on the importance of eels and their relationship with native mussels in the Chesapeake Bay Watershed. This year 15 eels were transported from the Conowingo Dam to BCCD for observation and potential release in June 2020.

Main Partners : PA Fish & Boat Commission, BCCD, Susquehanna River Basin Commission, USGS Northern Appalachian Research Laboratory, and many more.

County Stream Initiative – This project is designed to protect homes, wells, septic systems, barns, etc. within 50 feet of a stream. Applications are accepted and sites are ranked based on certain criteria. This year 10 stream bank stabilization projects were completed. Sediment reductions are estimated at 2,037 tons annually, which corresponds to annual Nitrogen and Phosphorus reductions of 5,095 lbs. and 2,037 lbs., respectively.

Main Partners : Landowners, Bradford County Commissioners, DEP, BCCD

Funding brought to the County through Conservation District efforts: \$ 2,500,000

Contact Information

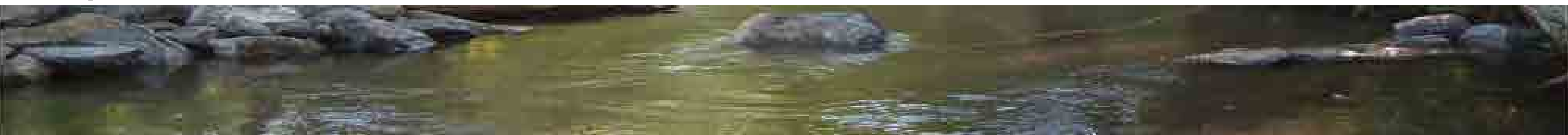
Cathy Yeakel
District Manager

Keith Heimbach
Board Chairman

Stoll Natural Resource Center
200 Lake Rd., Suite E
Towanda, PA 18848
(570) 485-3144
www.bccdpa.com

More Work To Do

- No-Till Gardening
- Annual Soil Health Conference
- High-Clearance Interseeder



Bucks County Conservation District

2019 Feature Accomplishments SARE Grant



BCCD continued its SARE grant activities that allow them to study the effects of manure stacking on areas with a seasonal high-water table. Photos above are ground water samples from the monitoring wells upslope, at the manure pile, and 50ft downslope. Left: when manure was stacked on an earthen surface. Right: four months post installation of a roofed manure stack pad.

Spotted Lanternfly Control

Through a grant from Pennsylvania Department of Agriculture, Bucks CCD was able to:

- Evaluate and scrape SLF egg masses over 150 acres in Central and Upper Bucks County
- Band and regularly monitor over 60 acres of native trees
- Remove 150 tree-of-heaven (*Ailanthus altissima*) trees
- Establish one (1) trap tree

Other Accomplishments

- **Lake Luxembourg Conservation Pool** – Completed design and secured permits for a regional stormwater management project to significantly reduce nutrient and sediment pollution in Lake Luxembourg and Core Creek and create wetland habitat.
- **SARE grant** – Analyzed data to study effects of manure stacking on groundwater.
- **Dirt & Gravel/Low Volume Roads Program** - Three (3) Dirt & Gravel Projects totaling \$89,619.47 were funded in Tinicum Township and Haycock Township.
- **Manure Management Outreach** - Presentations at Delaware Valley University's Equine Seminar, Intro to Soils Class, and Ag Waste Class.
- **Watershed Outreach** – Twenty (20) outreach events reaching approximately 1,300 people on topics including nonpoint source pollution prevention, invasive species, lake and pond ecology and stormwater management.



Spotted Lanternfly Program Photos . Left: Nymphs emerging from an egg mass in May. Right: A member of BSA Troop 1 Sellersville displays a bag of scraped egg masses and Penn State Extension's identification card (photo credit: Chip Kramer).

Funding brought to the County through Conservation District efforts: \$1,308,673

Contact Information

Gretchen Schatschneider
District Manager

Jeffrey P. Garton, Esq.
Chairman

1456 Ferry Road Suite
704

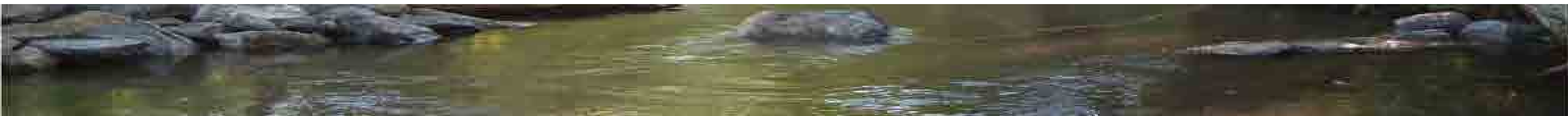
Doylestown, PA 1901
(215)345-7577

www.BucksCCD.org

More Work to Do

In 2020 the BCCD will continue our efforts to eradicate the invasive Spotted Lanternfly.

In addition, BCCD will continue to seek funding to complete the Lake Luxembourg Conservation Pool Wetland BMP project.



Butler County Conservation District

2019 Accomplishments

Contracted five Dirt and Gravel Roads projects totaling \$401,500. Completed three of the five contracts in 2019. Completed 2 DGR project from 2018.

Contracted two Low Volume Roads projects totaling \$185,000. Completed both LVR projects and finished two contracts from 2018, for a total of \$405,000.



Erosion & Sediment Control Program Total Fees Generated \$173,890

Chapter 102 and Chapter 105 programs to help protect our natural resources from impacts of construction activities.

E&S Plans Reviewed	93
NPDES Permits Processed	48
Chapter 105 General Processed	212
Site Inspections Conducted	165
Complaints Received & Processed	99



Watershed Program

- Improved a 925 ft. section of Thorn Creek streambank stabilization and fish habitat improvement; over 360 ft. of mudsills; 41 root wads; 12 deflectors, and 35 boulders.
- Assisted watershed associations with education, and volunteer hours.
- Two of Butler County's streams (Buffalo Creek and Connoquenessing Creek) nominated for River of the Year

Funding brought to the County in 2019 through Conservation District projects and programs:
\$989,750

Contact Information

Chuck Stowe
Board Chairman

Ian Harrell
District Manager

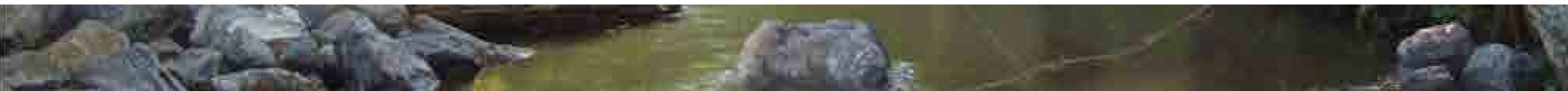
120 Hollywood Drive, Suite 201
Butler PA 16001
724.284.5270

www.bccdonline.org



More Work to Do

- Retain trained and experienced staff.
- Increase educational outreach programs
- Continue to collaborate with neighboring Districts
- Increase collaboration with local environmental organizations.
- Continue to pursue opportunities for funding projects to protect Butler County's natural resources.



Cambria County Conservation District

2019 DGLVR Feature Accomplishment



Barr Township completed a Low Volume Road Project on Mountain Drive in June 2019 and utilized \$55,240.00 in DGLVR funds to fix the huge erosion problem that started on Kline Road. The Township decided to complete the work on Kline Road themselves and use that work as part of their in-kind contributions which totaled \$39,928.61. This work needed to be completed on both roads is because these roads snake up the steep hillside leaving the Township without means to get water off the roads without causing a huge erosion problem, such as the gully that was already created as shown in the “before” picture. The gully continued to erode and clog all the cross pipes on Mountain Drive, leaving the Township continuous work every time it rains. Now that the work is completed, the Township has less maintenance on both roads and sediment runoff was greatly reduced to the West Branch of the Susquehanna River.

Other Accomplishments

Two Days of Family Fun

This year the District held two Family Day events. Day one was held at Duman Lake County Park, with kayaks, a fun game from the PA Game Commission, and a presentation featuring the ever-changing human/wildlife interactions. Day two was held at our environmental center with a theme dedicated all to bugs. We had 74 people of all ages participate in the events!



Streambank Stabilization Projects

The District completed eight streambank stabilization projects this year. The eight projects were: Cherry Tree Phase II, Glendale Shoreline Phase V, Northern Cambria Flood Control Phase II, Nanty Glo Phase II, Chest Creek Phase V, North Branch of Blacklick Creek, Laurel Lick, and West Branch of Blacklick Creek. All projects totaled \$394,221.



Funding brought to the County through Conservation District efforts: \$ 910,892

Contact Information

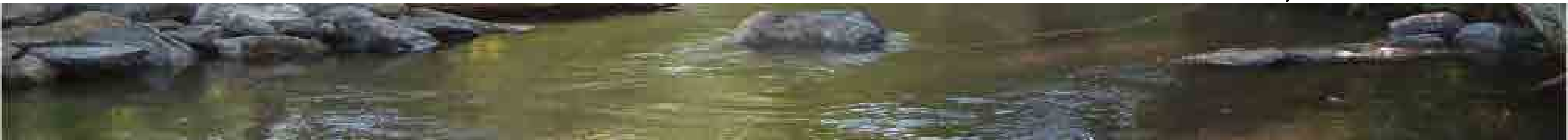
John Dryzal,
District Manager

Dennis Beck,
Chairman of the Board

401 Candlelight Drive, Suite 229
Ebensburg PA, 15931
814-472-2120
CambriaConservationDistrict.org

More Work to Do

Complete a large farm nutrient reduction project that includes a manure storage, silage leachate treatment and riparian buffer. Additional stream bank and shoreline stabilization and Dirt Gravel and Low Volume Road Projects.



Cameron County Conservation District

2019 Feature Accomplishment

Sterling Run AMD Restoration

- Several AMD treatment systems have been constructed and operating within the Sterling Run Watershed.
- Trout and other aquatic life have been restored for the first time in May Hollow, Finley Run, Portable Run, and Sterling Run in approximately 50 years and have reached Class A populations of wild trout.

Other Accomplishments

- Approximately 10 acres of riparian buffer installation
- Over 50 youth/adult educational events
- Approximately ½ mile of streambank stabilization and fish habitat enhancement in the Sinnemahoning Creek Watershed



Funding brought to the County through Conservation District efforts in 2019

\$1,286,800

Contact Information

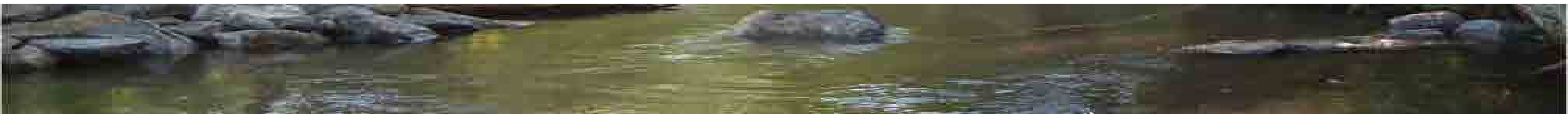
Todd Deluccia
District Manager

Mark Johnson
Chairman

74 East 3rd St
Emporium, PA 15834
814-486-2244
cameroncd.org

More Work to Do

- Continue habitat enhancement streambank stabilization
- AMD Cleanup
- Work with local Ag community to implement BMP's
- Work with local township officials to implement the DGRLVR program



Carbon Conservation District

Funding brought to the County through Conservation District efforts: \$ 115,155

Nesquehoning Creek Restoration Phases I and II

Stream Channel (Before)



Stream Channel (After)



Project Highlights

- Re-established and stabilized over 1,100 feet of streambank
- Re-established floodplain areas for the Nesquehoning Creek
- Project cost: \$347,000.00

Other Accomplishments

- Reviewed a total of 66 E&S plans in 2019
- Reviewed and issued 7 general NPDES permit applications and reviewed 9 individual NPDES permit applications
- Conducted over 350 site inspections
- Received and handled 30 complaint sites.
- 2019 Conservation Camp and Envirothon
- Hosted over 140 school/public programs at our EEC with over 8,000 participants
- Whitewater Rafting and Rattlesnake Run fundraisers

Contact Information

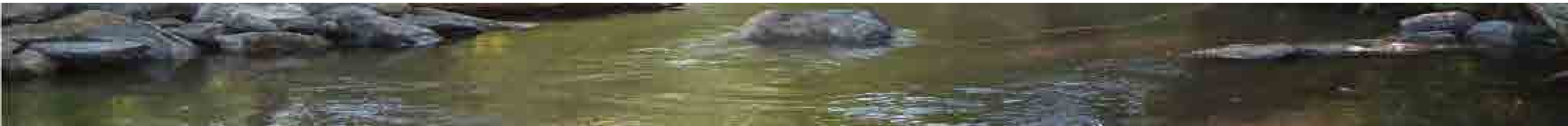
Chris Storm
District Manager

Josiah Behrens
District Chairman

5664 Interchange Rd
Lehighton, PA 18235
(610) 377-4894
carbonconservation.org

More Work to Do

- 2020 Carbon Awareness Meeting
- 2020 Envirothon
- 2020 Conservation Camp
- Nesquehoning Creek Project Phase III
- Continue to administer the Chapter 102, NPDES and DG/LVP Road Programs



Centre County Conservation District

2019 Feature Accomplishment



Meyer Dairy LLC Farm - State College, PA

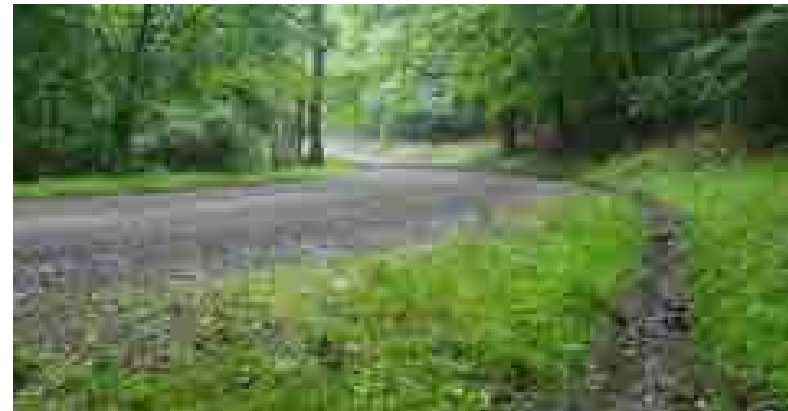
Resource Challenge : Slab Cabin Run is a High Quality, Class A Wild Trout Stream, and is listed as agriculturally impaired on the farm.

Project Summary : Converted pasture to a 17-acre Riparian Forest Buffer, protecting 3,600 linear feet of Slab Cabin Run. Also installed barnyard Best Management Practices (BMPs) at 3 animal facilities, including Roofed Manure Storage areas.

Key Project Partners : Meyer Family, USDA Natural Resources Conservation Services (NRCS), Chesapeake Bay Foundation (CBF), ClearWater Conservancy

Other Accomplishments

- ❖ Promoted and participated in the County, State, and North American Envirothon programs
- ❖ Provided conservation education programs to students, watershed groups, and civic organizations
- ❖ Provided grant funding to landowners to install best management conservation practices
- ❖ Administered the PA Chesapeake Bay Program
- ❖ Administered the PA Erosion Control and NPDES permitting programs
- ❖ Administered the PA Dirt, Gravel, and Low Volume Roads Program



Funding brought to the County through Conservation District efforts: \$1.8 million

Contact Information

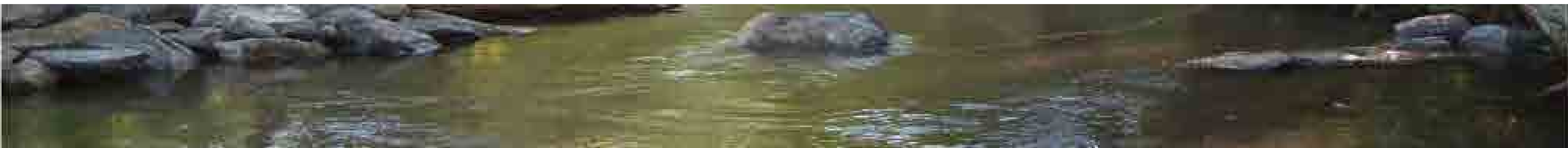
Robert Sweitzer
District Manager

Robert Shannon
Board Chairman

414 Holmes Street Suite 4
Bellefonte, PA 16823
814-355-6817
www.centrecountypa.gov

More Work to Do

Provide technical and financial assistance to facilitate the implementation of BMPs to improve water quality locally, and ultimately the Chesapeake Bay.



Chester County Conservation District

2019 Feature Accomplishment



- \$1.3 million for BMPs obligated through Chesapeake Bay RCPP, \$561,000 obligated through EQIP
- 1,700 trees and shrubs planted on 9 acres utilizing Tree Vitalize
- Chesapeake Bay Special Projects contract completed- \$142,729.70 in BMPs installed
- Preliminary PL-566 application accepted for feasibility study of mushroom composting BMP improvements
- Received \$213,418 in Growing Greener for assistance to mushroom operations

Other Accomplishments

- Created and filled a new Outreach Coordinator position
- New DEP funding received for engineering in the Chesapeake Bay
- PDA Spotted Lanternfly Control grant received to treat two parks
- 100 farms visited as part of the Chesapeake Bay Reboot
- 115 Agricultural BMPs installed
- 878 Disturbed Acres Permitted on 82 General NPDES Permits and 39 Individual Permits. 60 Permits were terminated, and 459 technical assistance meetings held.



Funding brought to the County through Conservation District efforts: \$4,393,969

Contact Information

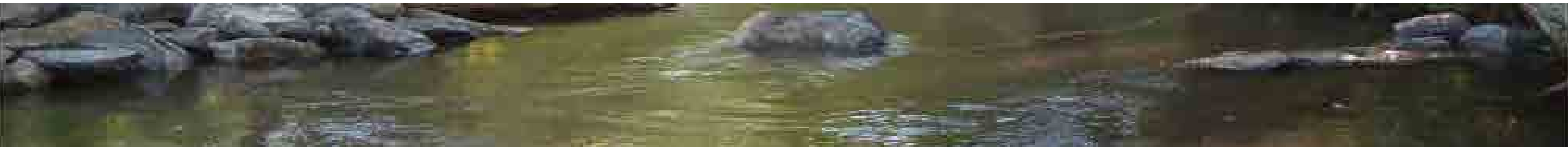
Christian Strohmaier
Managing Director

Tom Brosius
Chairman

688 Unionville Road
Suite 200
Kennett Square, PA 19348
610-925-4920
chesco.org/conservation

More Work to Do

- Year 4 of Chesapeake Bay visits
- Obligate remaining Chesapeake Bay RCPP funds
- Assist in development of Watershed Plan feasibility study for PL-566



Clarion County Conservation District

2019 Feature Accomplishment

Earth Day in Cook Forest

Annual event

For the fourth consecutive year, local public high schools were invited to bring students to this interactive event.

Project Summary and Results

Held in Cook Forest State Park and conducted with fellow conservation-minded agencies and organizations, this event allowed approximately 100 students to participate in four different “stations.” Each of these stations emphasized conservation topics: Forestry, Wildlife, Water Quality, and Biodiversity. This event allows high schools students, university students, and local professionals to interact and share a growing awareness of the impact of human activity on the environment and the need for environmental protection.

Key Project Partners

DCNR

Clarion University

PA Game Commission

Other Accomplishments

- \$352,270 to townships for DGR/LVR road projects
- Series of Invasive Species workshops
- Manure Management Manual plan writing workshops
- 58 Act 167 Stormwater plan reviews for Clarion County
- Earth Day event in Cook Forest State Park
- Regional Envirothon
- 36 E&S plans or NPDES permits issued for Clarion County
- Growing Greener Grant: Clarion County Park Phase 1 completed

Funding brought to the County through Conservation District efforts: \$257,263

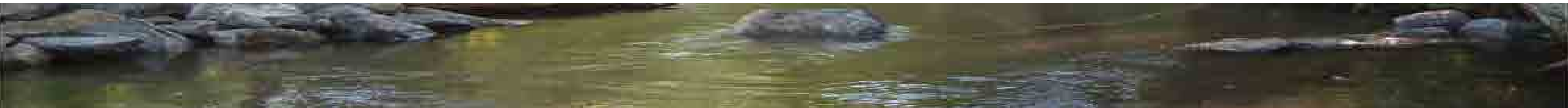
Contact Information

Trudy Alexander
District Manager

George Schmader
Board Chairman

214 S. 7th Ave., Room 106A
Clarion, PA 16214
(814) 297-7813
www.clarionconservation.com

DGLVR Beaver Township
Before and After



Clearfield County Conservation District

Funding brought to the County through Conservation District efforts: \$1.7 Million

2019 Feature Accomplishment



In 2018, Clearfield County Conservation District received funds from the Western PA Conservancy for the installation of a low impact canoe/kayak launch to Chest Creek in Westover. After consistent high-water conditions throughout 2018, we were finally able to install the access in 2019. This gradual step design was installed at a location where the bank was eroding into the stream, thus stabilizing the streambank and preventing tons of sediment load into Chest Creek for years to come.

Other Accomplishments

2019 Grants Awarded

RLB2 AMD Treatment Construction
\$249,500 from SMCRA
MR7 AMD Treatment Construction
\$947,493.00 from Growing Greener
MR7 AMD Treatment Construction \$20,000
from the Foundation for PA Watersheds
CREP Surveys \$2,500.00
Manure Management \$1,500.00
Cover Crop \$2,500.00

Adult Education/Workshops

Backyard Workshop
Women's Intro to Fly Fishing
Bounty Dinner
A Walk in Penn's Woods
Chronic Wasting Disease Workshop
Cover Crop Workshop
Manure Management Workshop



Youth/Family Education
Conservation Day @ CASD
DAMS Watershed Day
Envirothon
State Envirothon
Curwensville 3rd Grade Enviro Day
Conservation Day Camp
Conservation Celebration
PSU College Class Visit to Tuff

Contact Information

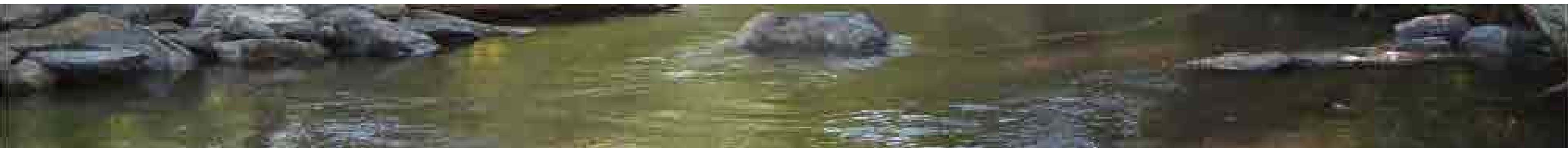
William Null
District Manager

Donald Foster
Board Chairman

6395 Clearfield
Woodland Hwy., Suite 2
Clearfield, PA 16830
814-765-2629
Clfdccd.com

More Work to Do

Continue securing grants for on the ground restoration projects in the County



Clinton County Conservation District

2019 Feature Accomplishment



Clinton County Dirt, Gravel and Low Volume Roads Project – Greene Township, Harbaugh Road.

This project was aimed at replacing an undersized, failing culvert that did not provide passage for aquatic life.

The existing culvert caused severe erosion at the outlet, had sediment deposits, and was a barrier for fish migration in a Class A trout fishery. The culvert inlet was less than half of the width of the stream and had collapsed. An aluminum arch structure with a full plate bottom was constructed at bank-full width in order to accommodate high flows and restore the stream corridor. The new structure does not decrease the width of the stream.

Other Accomplishments

- Growing Greener Grant – Agricultural Best Management Practices in Fishing Creek – This grant was concluded this year working with five landowners to improve water quality on farms, which included stream crossings, barnyard improvements, and stream habitat improvements.
- Provided funding to landowners for development of Manure Management Plans and Agricultural Erosion Control Plans.
- Water quality and biological sampling in Tangascootack Creek, Fishing Creek, and Cooks Run which includes monitoring watersheds with prior AMD remediation efforts.
- Provided Agricultural, Soil Health, and Nutrient Management awareness education programs.
- Our office reached 7,128 people - adults and school students through educational programs.



2019 Conservation Summer Camp Students

Funding brought to the County through Conservation District programs and efforts: \$571,361

Contact Information

Mary Ann Bower
District Manager

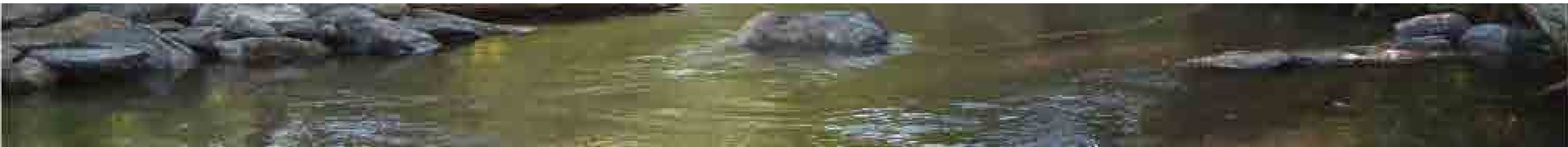
Charles Dotterer
Board Chairman

45 Cooperation Lane
Mill Hall, PA 17751
(570) 726-3798

www.clintoncountypa.com

More Work to Do

- Continue education activities and programs for school students and citizens
- Stream Habitat and Riparian Planting projects planned in Fishing Creek
- Provide technical assistance to local landowners on permitting, water quality, and erosion control issues.
- Assist municipalities with addressing sedimentation problems from local dirt and gravel and paved low volume roads.



Columbia County Conservation District

2019 Feature Accomplishment



The NRCS Emergency Watershed Protection (EWP) Program helped 13 flood -damaged properties in Columbia County

In order to receive EWP funding, an eligible local sponsor must agree to coordinate the projects and payments. The Columbia County Conservation District voted to serve as sponsor for 13 projects in Columbia County that met the EWP criteria for funding. The criteria included flood erosion damage with a home or business located within 50 feet of a stream. The Columbia County Commissioners also provided title search support required before construction could begin.

Funding support of \$525,000 was received to complete 13 Columbia County projects to help safeguard the properties from flooding and erosion. 75% of project funds were from NRCS and 25% of project funds were from DEP.

Other Accomplishments

- Outreach and Education:
Community hikes, native plant sale, County Envirothons, nature camps, demonstrations, school visits, events/presentations, and workshops and field days

Below: Good Water = Good Fish Event with 200+ attending



- Soil Health Conference with nationally recognized keynote speaker
- Agriculture Conference
- Women in Ag Conference
- Grant projects for farm BMPs, cover crop reimbursements, manure management workshops, and drug take-back incentives

Funding brought to the County through Conservation District efforts: \$1.06 Million

Contact Information

Nancy Corbin
District Manager

Donald Edwards
Board Chairman

702 Sawmill Road, Suite 204
Bloomsburg, PA 17815
570-317-9456
www.columbiaccd.org

More Work to Do

- Get BMP's on the ground
- Promote cover crops
- Promote water quality
- Work with watershed association members to promote healthy watersheds
- Work with source water coalition members to help protect our water supplies
- Continue program and environmental education and conservation outreach

Crawford County Conservation District

2019 Feature Accomplishment



The Crawford County Conservation District, with assistance from the Davies Program at Allegheny College, wrapped up phase two of a multi-year outreach and education effort on area lakes. The effort has included workshops on nonpoint source pollution, erosion control and permitting as well locating and identifying permitted recreational boat docks. A GIS data layer of previously permitted docks was created bringing technology to our process and improving efficiency of permit transfers.

Other Accomplishments

- Completed delegated activities
- Preserved one 641-acre farm
- Continued lake quality monitoring program
- Continued 19th year of student riparian plantings; 125 plantings and growing
- Hosted 43 Environmental Education Programs
- Worked to prioritize projects and acquire funding for Watershed Implementation Plan



Funding brought to the County through Conservation District efforts: \$1,769,214.00

Contact Information

Tracey J Crawford
District Manager

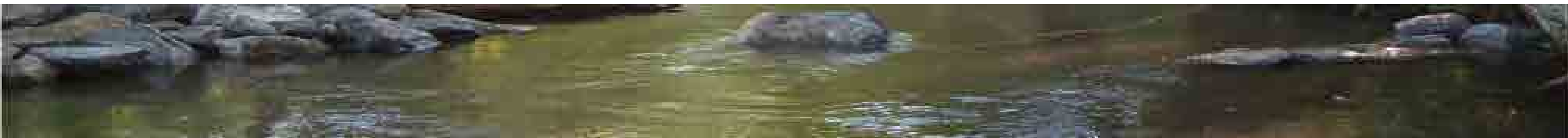
Robert J Waddell
Board Chair

Woodcock Creek Nature Center
21742 German Road
Meadville PA 16335
(814)763-5269

www.crawfordconservation.com

More Work to Do

- Implement agricultural best management practices on local farms
- Increase Agricultural Security Areas and Preserved Farmland
- Complete installation of fish habitat structures and restore streambanks in eroded stream channels
- Implement Dirt, Gravel and Low Volume Road Projects



Cumberland County Conservation District

2019 Feature Accomplishment



Donald McKeehan Project

Roofed Animal Heavy Use Area Protection and Roofed Waste Storage Facility that is 200 ft x 86 ft. funded through Bay Special Projects (\$141,420.46) and Growing Greener Plus (\$74,499.54) Program, total cost-share value: \$215,920.00.

This project will help reclaim previous heavy use areas that had uncontained runoff causing resource concerns.

Key Partners included Natural Resource Conservation Service, PA Department of Environmental Protection, Triple B Construction, Blue Mountain Excavating, and the State Conservation Commission.

Other Accomplishments

2019 Cover Crop Incentive Program

Funding sources through the Marcellus Shale Unconventional Gas Fund and Water Quality Improvement Projects along Mariner East 2 Pipeline Corridor

1,372 acres participated

\$42,160.00 paid out to farmers

2019 Annual Tree Sale Program

Distributed **8,200** seedlings

Water Testing Program

Well Water Testing every month
for the general public

Dirt, Gravel, and Low Volume Roads

\$244,000.00 spent on BMPs

\$100,338.89 Cold Springs Road, Dickinson Twp.

\$135,572.54 Beetem Hollow, Penn Twp.

\$8,029.17 Yorwick Road, North Middleton Twp.

Funding brought to the County through Conservation District efforts: **\$502,020.60**

Contact Information

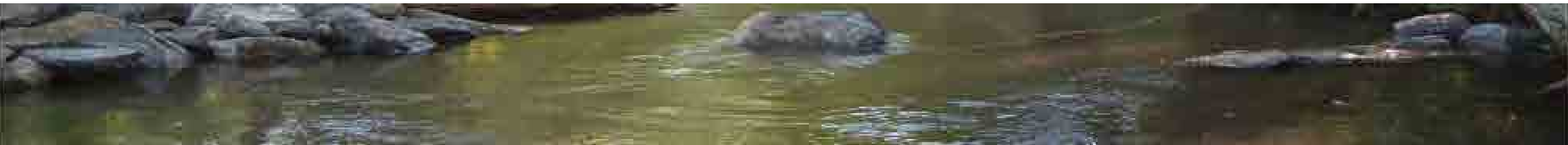
Carl Goshorn
Manager

Duff George
Chairman

310 Allen Road
Carlisle, PA 17013
717-240-7812
www.ccpa.net/cd

More Work to Do

- Jeff Garman (\$103,500) and Maystone Acres (\$106,671.90)
- Roofed Animal Heavy Use Area and Roofed Waste Storage Facility
- Beetem Hollow Road Culvert #3 (\$101,579.20)



Dauphin County Conservation District

2019 Feature Accomplishment



Dauphin County Conservation District facilitated the planting of 845 trees and shrubs on 3.5 acres at two locations this fall as part of the Dauphin County Riparian Buffer Project. The end goal of the project is to plant over 11 acres of trees along streams in Dauphin County to reduce flooding, improve water quality and enhance wildlife habitat. Partners for this project include: Manada Conservancy, PSU Extension – Greening the Lower Susquehanna, Chesapeake Bay Foundation, Hershey Trust Company, Harrisburg International Airport, PA Air National Guard, Derry Twp. Municipal Authority, Middletown Borough, Londonderry Twp., West Hanover Twp. and Lower Swatara Twp.

Other Accomplishments

On April 13, 2019, the Dauphin County Commissioners and the Dauphin County Conservation District helped to sponsor the 2019 Great Harrisburg Litter Clean-Up in conjunction with LCSWMA, Capital Region Water, Covanta and the Harrisburg Downtown Improvement District. 315 volunteers collected 26.17 tons of trash/litter and recycled 300+ tires and 20 televisions. In addition, numerous bikes and bike parts were donated to Recycle Bicycle.



Funding brought to the County through Conservation District efforts: \$ 665,955.00

Contact Information

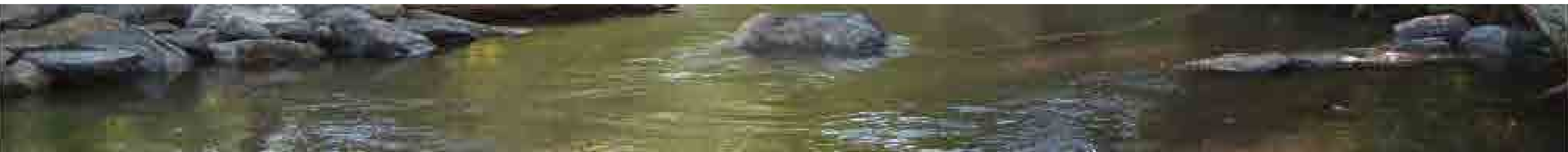
Eric Naguski
District Manager

Timothy Wentzel
Board Chair

1451 Peters Mountain Road
Dauphin, PA 17018
717-921-8100
www.dauphincd.org

More Work to Do

2020 will be a year where the District looks to build on our past accomplishments and increase our presence in the County with increased outreach measures.



Delaware County Conservation District

2019 Feature Accomplishment



- Erosion and Sediment Control & Implementation of the NPDES Permitting Program
- Chapter 105 – Water Obstruction, Encroachments, and Wetlands General Permitting
- County MS-4 Permit Coordinator
- Coordinator for Annual County Envirothon
- Coordinated with USDA - Spotted Lanternfly Control on County owned property
- Riparian Buffer Planting & Earth Day Tree Planting at Kent Park

Other Accomplishments

- Qualified Delaware County for \$84,000 Low Volume Road Program
- Applied for a Grant to Assist with Spotted Lanternfly Control \$46,000
- Cooperative Agreement to provide Agricultural Technical Services
- Conservation Planting Trailer made available to Volunteer Projects



Funding brought to the County through Conservation District efforts: \$ 387,136.04

Contact Information

Edward Magargee
District Manager

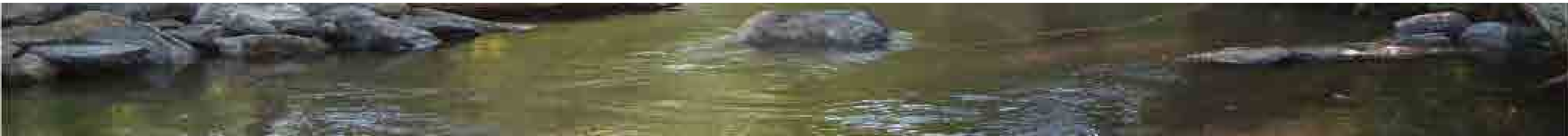
Cheryl Graff Tumola
District Chair

1521 N. Providence Rd.
Media, PA 19063
(610) 892-9484

<https://www.delcocd.org/>

More Work to Do

- Stormwater Management & Flood Control
- Maintaining Riparian Buffer Planted in 3 County parks
- Top 20 workload regarding E&S Program



Elk County Conservation District

2019 Feature Accomplishment



The Herzing family contacted the Elk County Conservation District (ECCD) with concerns about the proximity of an eroding streambank to their camp. To preserve the integrity of the streambanks along the Herzing Camp property, ECCD replaced rip-rap with modified mudsill cribbing and installed root wad deflectors along a high, eroding bank for ~320ft. Funding for this project was through the Headwaters RC&D Council, Sinnemahoning Watershed Grant.

Other Accomplishments

- Hosted a river cleanup along the Clarion River. This event had over 75 students from every high school in the County and covered almost 22miles of stream. (Photo of ECC High School group below)
- Hosted a Clays for Conservation fundraiser to raise money for environmental education programs and to increase community awareness of the Conservation District.
- Participated in the Elk Expo, an annual event that draws over 16K people to Elk County every year. District staff gave educational programs during this weekend-long event.
- Participated in an Industrial Waste Forum, held in Elk County, to teach industries about the various environmental permits and considerations to think about and implement during operations and expansions.
- Completed a Coldwater Heritage Plan for the Elk Creek watershed. With the completion of this plan, the District will be eligible to receive grant monies every year to implement projects in this flood-prone watershed.



Funding brought to the County through Conservation District efforts: \$421,598.83

Contact Information

Kate Wehler, CPESC
District Manager

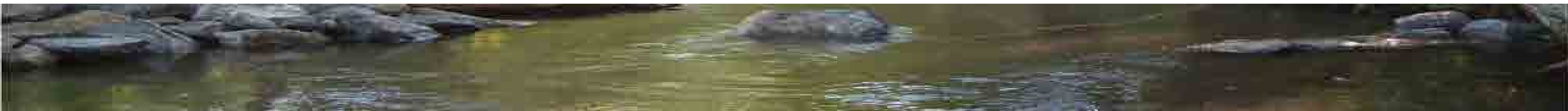
Russ Braun
Board Chairman

850 Washington Street
St. Marys, PA 15857
(814) 776-5373

www.co.elk.us/conservationdistrict

More Work to Do

- Complete final design and permit the West Creek AMD remediation project.
- Secure funding for the construction of the West Creek AMD Passive Treatment Systems



Erie County Conservation District

2019 Feature Accomplishment



PA VinES Program
(Vested in Environmental Sustainability)



Promoting sustainable viticultural practices and reducing sediment and nutrients in the Lake Erie Watershed.

Large scale Growing Greener project on Clover Hill

Farms in North East Township.

- Access Road Improvements
- Grassed Diversions
- Cover Crop and Stormwater Improvements

Other Accomplishments

DCNR Community Conservation

Partnership Program : Trail expansion and conservation practice grant for Headwaters Park-Prepare for 2020 construction

Dirt & Gravel and Low Volume Road

Program : Funded 8 projects with \$375,000

Agriculture Best Management Practice

Grant : Installation of manure management practices on county farms

Expansion of the Memorial Tree Trail

Residential stormwater workshops



Funding brought to the County through Conservation District efforts: \$1,200,000

Contact Information

Tom McClure
District Manager

John Hallenburg
Board Chairman

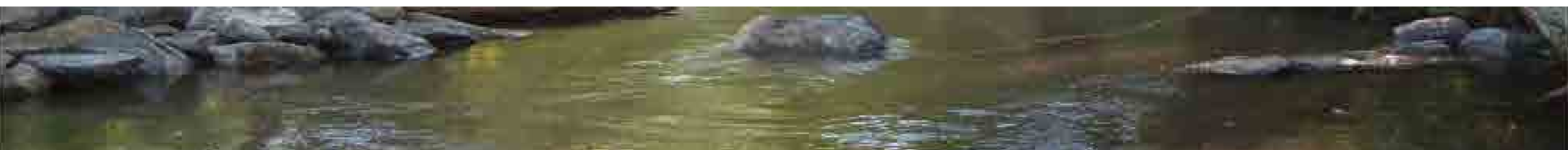
1927 Wager Road
Erie, PA 16509
814-825-6403

www.erieconservation.com



More Work to Do

- Municipal Agreements
- Spotted Lanternfly prevention
- Expansion of Environmental Education Program
- Public workshops



Fayette County Conservation District

2019 Feature Accomplishment



In conjunction with partners, Fayette County Conservation District worked to control invasive species on more than 121,000 acres of land. Over the past 12 years, they have raised nearly \$270,000 and used the funds to treat more than 1,500 acres of land for 14 invasive species utilizing 600 volunteers with over 10,000 hours of volunteer service.

Other Accomplishments

- Conducted and Ag Erosion and Sedimentation workshop utilizing PA One Stop computer program.
- Hosted Southwest Project Grass Spring Field Day.
- Conducted annual Ag Fest for over 600 fourth grade students to showcase livestock agriculture
- Purchase of a new three foot no-till drill for use by farmers and wildlife enthusiasts.
- Held a summer camp for 300 individuals.
- Held stormwater management workshop for consultants and municipal officials.
- Allocated \$20,000 for an AMD operation, maintenance and emergency fund to treat the county's AMD systems, protecting water quality in the County.



Funding brought to the County through Conservation District efforts: \$ 845,684

Contact Information

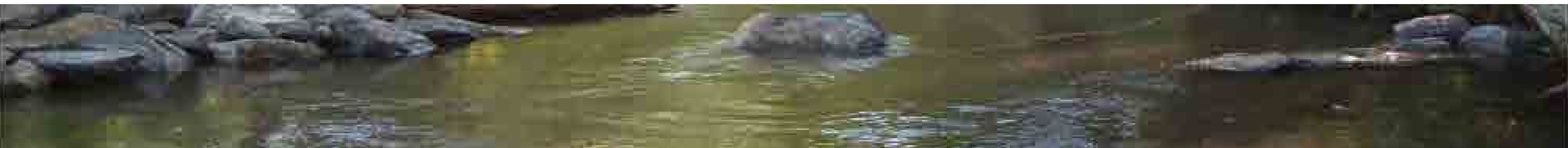
Doug Petro
Manager

Don Bowser
Chairman

10 Nickman Plaza
Lemont Furnace, PA
15456
724-438-4497'
www.fayettecd.org

More Work to Do

- Continue educating County citizens about natural resource protection
- Continue to control invasive species in the County



Forest County Conservation District

2019 Feature Accomplishment



Tionesta Township

Stitzinger Road (after project completion)

Dirt & Gravel Road Project Value: \$155,000.00

3 Dirt & Gravel Projects completed with a total Project Value of: \$267,117.38.

2 Low Volume Projects completed with a total Project Value of: \$35,454.25.

Other Accomplishments

- 3 Teams participated in local Envirothon, 1 team participated in State Envirothon



Funding brought to the County through Conservation District efforts: \$249,586.24

Contact Information

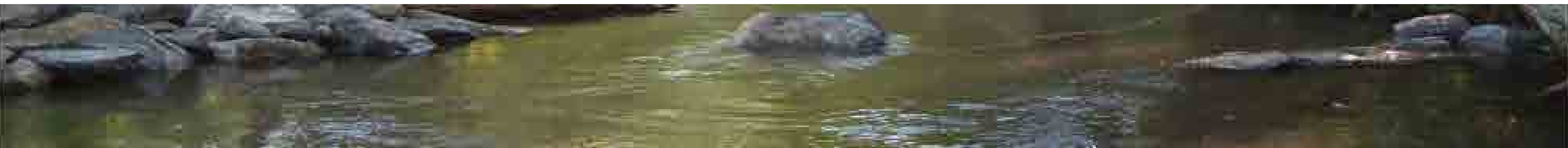
Donna Lynn Zofcin
Executive Director

Robert Summers
Board Chairman

526 Elm Street, Box 4
Tionesta PA 16353
814-755-3450
www.co.forest.pa.us

More Work to Do

- Stream Crossing, DGLVR projects
- Fishing habitat/stream-bank rehabilitation projects



Franklin County Conservation District

2019 Feature Accomplishment First Grade Field Trip



Resource Challenge

Teaching the community that agriculture and conservation can and do co-exist

Project Summary and Results

Nearly all 712 first graders in the Chambersburg Area School District attended over the course of four days. The interactive activities included, but were not limited to, identifying macroinvertebrates, “milking a cow”, creating a “watershed”, and participating in agriculture and forestry games.

Key Project Partners

Penn State Extension (Agronomy, Dairy and 4H) & USDA Natural Resources Conservation Service

Other Accomplishments

- Reviewed & approved 21 Act 38 Nutrient Management Plans
- Assisted 40 farmers with Manure Management Plans
- Completed 34 Agricultural Erosion & Sediment Plans
- Held a Soil Health Workshop
- 4th Annual Summer Conservation Farm Tour
- County Watershed Implementation Plan 3 (WIP3)
- Envirothon Program
- Hosted E&S workshop for contractors
- Issued 75 General NPDES permits
- Conducted 270 site inspections
- Completed EQIP Projects – 3 barnyards with stack pads,, 2 roof gutters, 4 underground outlets, 1 stormwater basin, 10 NMP reviews



Funding brought to the County through Conservation District efforts: \$925,000

Contact Information

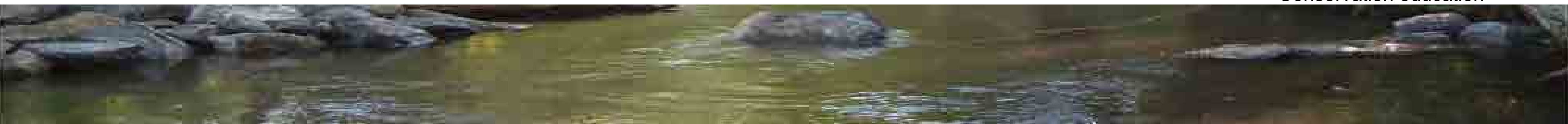
David Stoner
District Manager

Evan Burkholder
Board Chairman

185 Franklin Farm Lane
Chambersburg, PA 17202
(717) 264-5499
www.franklinccd.org

More Work to Do

- Secure funding for BMPs
- Implement WIP3 CAP
- Ag E&S plan development
- Water quality testing
- Stream restoration projects
- DGLVR projects
- Conservation education



Fulton County Conservation District

2019 Feature Accomplishment: District Awarded Additional \$749,000 in Growing Greener Grant Funds for Stream Restoration



In 2019, the Conservation District was awarded just over \$749,000 through the Pennsylvania Growing Greener Grant Program to undertake the design and construction of an additional 4,000 feet of stream restoration work along Big Cove Creek. Combined with matching funds, this project is expected to total nearly one million dollars in environmental improvements to the ag-impaired stream. The project will involve three separate landowners and will take more than two years to design, permit, and construct.

Other Accomplishments

- For the 14th year, District and Bureau of Forestry staff provided hands-on, outdoor learning experiences at the DCNR Kerper Tract to 4th, 5th, and 6th grade students from McConnellsburg Elementary/Middle School.
- Implemented agricultural Best Management Practices on a dairy operation located in an ag-impaired watershed with \$685,000 in grant funding obtained through PennVest.
- Signed contracts and awarded \$103,000 in grant funds for four Dirt & Gravel Road projects and one Low Volume Road project with five municipalities. Projects will involve installing new cross pipes, raising the road profile, the installation of a French Mattress, and replacing an undersized stream culvert.
- District and NRCS hosted an on-the-farm twilight meeting where attendees received practical information on planting green, slugs, chlorophyll meter testing, cover crops, and drones.



Funding brought to the County through Conservation District efforts: \$1,104,900

Contact Information

Seleen Shives
District Manager

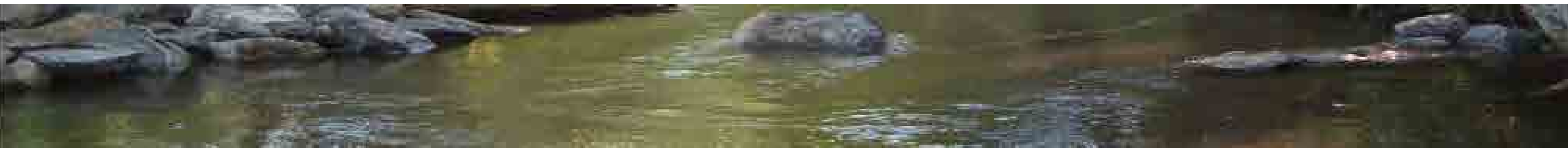
Wayne MacDonald
Board Chairman

216 N. 2nd Street, Suite 15
McConnellsburg, PA 17233
717-485-3547

Follow us on Facebook and Instagram!

More Work to Do

- Develop partnerships with local school districts to grow and plant trees.
- Develop Backyard Conservation Initiative to educate homeowners.
- Develop no-till incentive program.



Greene County Conservation District

2019 Feature Accomplishment

GRACE Program

Resource Challenge:

The GRACE Program provides farmers guidance through technical assistance and cost share to help promote soil and water conservation practices. The program is funded annually by the **PA Act 13**.

GCCD Board of Directors want to give back to the county farming community in hopes these funds would ensure viable farmland for the future. We offer funds to cost share lime, fertilizer, livestock water development, and livestock fencing.



Project Summary:

A total of 49 farmers have been accepted into the 2019 application period. The district contracted \$230,767.90. The District is now accepting new signups for the 2020 application period.

Other Accomplishments

Cultural Heritage Site:

Collaboration with the PA Game Commission and funding from the DEP, the District protected a cultural heritage site in the Dunkard Creek Watershed.

Waynesburg University:

The District developed connections between students from Waynesburg University and local agriculture to combat invasive species.

Rain Barrel Workshop:

The District worked with a local municipality and with funding from the Pennsylvania Association of Conservation Districts to help landowners manage stormwater on their properties using rain barrels.

Key Project Partners:

USDA Natural Resource Conservation Service, DCNR Forestry, Farm Service Agency, Penn State Extension

Funding brought to the County through Conservation District efforts: **\$1,234,121.00**

Contact Information

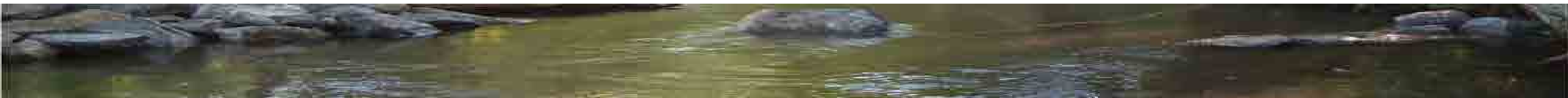
Lisa Snider
District Manager

James Cowell
Chairman

22 W. High St., Suite 204
Waynesburg, PA 15370
(724) 852-5278
www.co.greene.pa.us

More Work to Do

The District leveraged more than \$207,000 in state grants through the DEP to stabilize streams and implement agricultural best management practices on farms in the Brown's Creek Watershed. The District has requested an additional \$198,000 to expand on these projects.



Huntingdon County Conservation District

2019 Feature Accomplishment



Kern Farm – Rotational Grazing

Using funds from the DEP's Water Quality Improvement Program, HCCD completed a rotational grazing system on the Kern Farm in Trough Creek Valley. Fencing and watering systems were installed so that cattle can be moved around to even out their grazing patterns and to reduce nutrient runoff to nearby streams. Most importantly, the project helps improve animal health and helps keep the farm in production.

Other Accomplishments

HCCD is protecting water quality:

- 3,248 feet of streambank restoration
- 6,774 feet of streambank fencing
- 21 acres of riparian buffer planted
- 5.4 miles of Dirt & Gravel and Low Volume Road projects
- 22 Erosion & Sedimentation plans and permits approved
- 2,560 pounds of trash and 31 tires removed from the Juniata River

HCCD is engaging our community:

- 83 Volunteers for cleanups, plantings, and restoration work
- 19 Field experiences for local students
- 1,969 Students in our environmental education program



Ponderosa Road Stream Crossing Replacement – this Dirt and Gravel Road project reduced sediment in Stone Creek and improved safety on this township road

Funding brought to the County through Conservation District efforts: **\$659,977.31**

Contact Information

Celina Seftas
District Manager

Jeffrey Thomas
Board Chairman

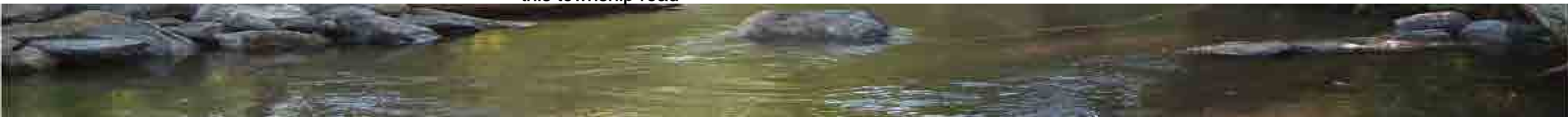
10605 Raystown Road,
Suite A

Huntingdon, PA 16652
(814) 627-1626

www.huntingdoncd.org

More Work to Do

- 3,875 feet of streambank restoration projects
- 13 acres of riparian buffer plantings
- 4 Barnyard runoff control projects
- 2 Manure storage installations
- 1 Rotational grazing system
- 1 Silage leachate system
- Little Juniata River and Warrior's Mark Run stream assessments



Indiana County Conservation District

2019 Feature Accomplishment



Before



After

Tom's Run Stream Restoration Project
Pine Ridge Park, Burrell Twp.

Other Accomplishments

- Implemented a prescribed grazing plan on a farm in a high-quality watershed to reduce nutrient and sediment loading.
- Conducted an educational bus tour for local, state, and federal legislators of dirt/gravel road projects, agriculture BMP projects, and PennDOT highway project E&S controls.
- Awarded a grant from the Community Foundation for the Alleghenies to support and improve the Junior and Senior Envirothon programs.

Funding brought to the County through Conservation District efforts: \$881,000

Contact Information

Douglas M. Beri, Jr.
District Manager

Jason McGinnis
Chair

350 N 4th ST
Indiana, PA 15701
Phone 724.471.4751
Website iccdpa.org

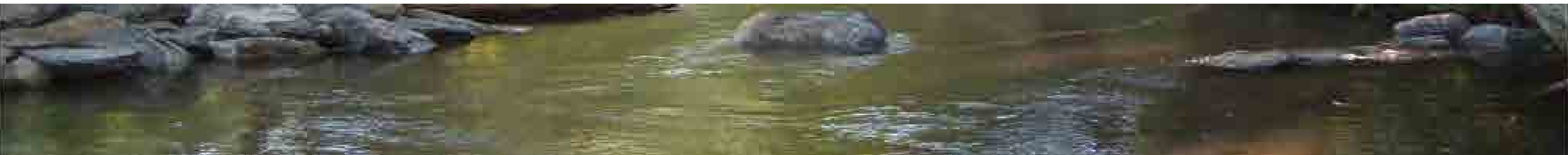
More Work to Do

- Construct new office building and environmental education center
- Continue efforts in the South Branch Plum Creek watershed to install agricultural BMPs on farms adjacent to streams and implement streambank stabilization projects
- Implement the Sunoco ME2 grants

Project Goal – To work with Trout Unlimited to protect and stabilize streambanks and enhance trout fishing habitat in Tom's Run within Pine Ridge Park by installing fish habitat structures.

Project Results – 32 fish habitat structures were installed. These efforts are expected to stabilize 550 feet of streambank, reduce sediment loading in the stream by 9.5 tons per year, and enhance 1500 linear feet of trout habitat along the trout-stocked portion of Tom's Run.

Key Project Partners : Trout Unlimited and Indiana County Parks and Trails



Jefferson County Conservation District

2019 Feature Accomplishment



Kyle Lake Dam Renovation and Fish Habitat Improvements

The District worked with the Pennsylvania Fish & Boat Commission to complete the rehabilitation of the gate house, spillways and embankment of Kyle Lake to ensure that current PADEP standards are being met.

While the Lake was drained, Redbank Creek Watershed Trust funds were used to install a handicap accessible fishing pier, catfish spawning boxes, turtle basking platforms, fish habitat structures, shoreline improvements and to improve the access road and parking areas for the handicap accessible fishing pier.

Other Accomplishments

- Conifer East Rehabilitation
- Completed 7 DGLVR Projects
- Conservation Planning
- Nutrient Management Planning
- High School Envirothon
- 7th Grade Envirodays
- Water Quality Testing
- E&S Plan Review and Approval
- Act 167 Stormwater Management Planning
- Agricultural Newsletters
- Workshops



Funding brought to the County through Conservation District efforts:
\$1,864,500.00

Contact Information

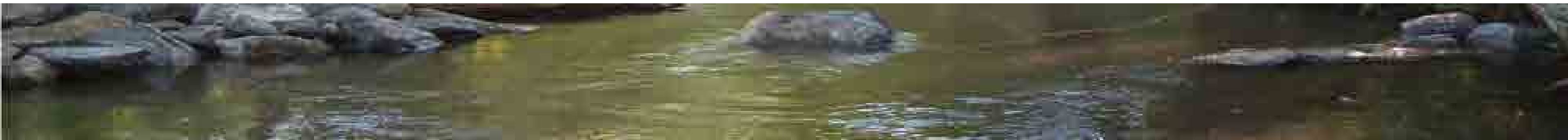
Shaun Wessell
District Manager

Todd Beers
Board Chairman

1514 Route 28
Brookville, PA 15825
(814) 849-7463
www.jeffersonconservation.com

More Work to Do

- Rattlesnake Creek Flood Reduction Study
- Sugarcamp Run Aquaponics Facility
- Pine Run Watershed Agricultural Best Management Practices Implementation



Juniata County Conservation District

2019 Feature Accomplishment

Resource Challenge

To alleviate environmental problems associated with erosion and sediment into a HQ watershed (Willow Run) while providing long term solutions for the continued maintenance of the roadway.

Project Summary and Results

Funding was provided through the PA Dirt, Gravel, and Low Volume Maintenance Program that allowed for installation of the following:

- 25-foot X 16-foot French mattress
- 100 feet of underdrain
- 12-foot 3-inch aluminum plate box culvert replaced a 30" stream crossing
- Streambed material placed inside stream crossing for effective aquatic organism passage (AOP)
- 2RC for road surface aggregate over stream crossing
- Stone lined stream bank stabilization
- Seeding and mulching of roadside ditches and stream banks

Key Project Partners

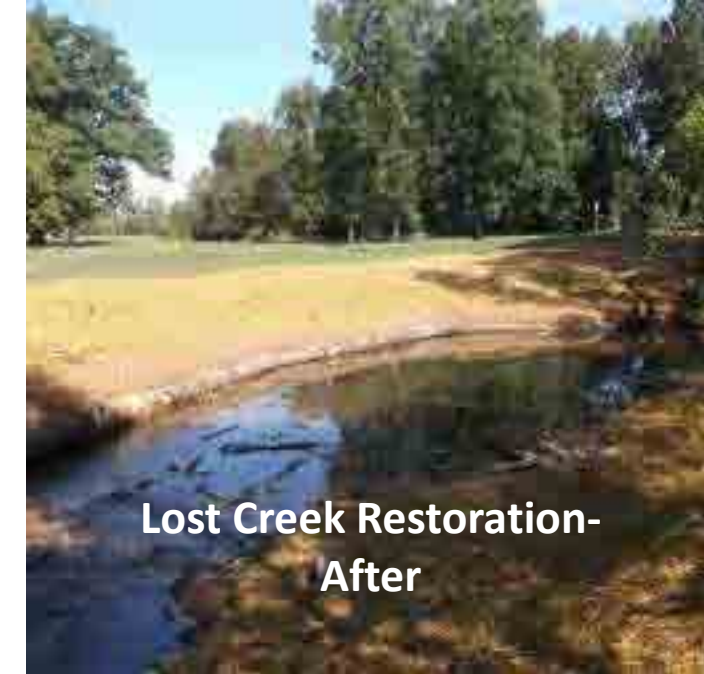
PA State Conservation Commission, Penn State Center for Dirt and Gravel Road Studies, Lack Township Supervisors, Hammond Hauling, LLC



Other Accomplishments



Lost Creek Restoration-
BEFORE



Lost Creek Restoration-
After

- Completed the Lost Creek Restoration Initiative to restore and extend the range of brook trout on one-mile of Lost Creek with funding provided by Growing Greener Plus and contracted services through US Fish and Wildlife Services
- Installed a 700-tree buffer on six (6) acres of an unnamed Lost Creek tributary with funding provided by DCNR Riparian Forest Buffer Grant Program
- 27,088 pounds of unwanted electronics collected for recycling
- 1,068 unusable tires collected for recycling and repurposing
- River cleanups covering five (5) miles of the Juniata River (2013-2019)
- First Juniata County Ag Education Tour held for fourth grade students
- 9 NPEDS permits administered
- 5 small Erosion and Sedimentation Plans approved.
- 11 Dirt/Gravel Road and Low Volume Road contracts awarded
- 21 Nutrient Management Plan reviews, 52 annual status reviews, and six (6) Act 49 Balance Sheet Reviews
- Preserved the county's 23rd farm bringing total preserved acreage to 3,020

Funding brought to the County through Conservation District efforts: **\$232,100**

Contact Information

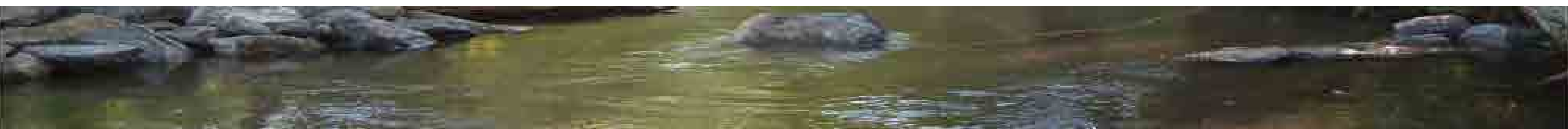
Christopher Snyder
District Manager

Eric Brubaker
Board Chairman

146 Stoney Creek Drive, Suite 4
Mifflintown, PA 17059
(717) 436-8953, ext. 5
www.juniataccd.org

More Work to Do

- ❖ Promotion of riparian buffer installations and maintenance
- ❖ Continued increase in district visibility through program promotion and technical assistance availability



Lackawanna County Conservation District

2019 Feature Accomplishment

- Preserved Farmland on five additional operations totaling 320.37 acres
- 605 acres planted using no-till technology
- 128 plan reviews and 226 inspections conducted under the Chapter 102 program
- Purchased and installed wildlife habitat boxes in Lackawanna County Parks
- Conducted annual Junior High Envirothon competition for students in Lackawanna and Susquehanna Counties
- Partnered with Wyoming Conservation District to conduct annual Senior High Envirothon competition for students in Lackawanna and Wyoming Counties
- Provided tree seedlings to over 100 County residents
- Continued the Environmental Education Program focused on Monarch Butterflies and their value as pollinators
- Three scholarships were awarded to high school seniors planning to major in an environmental or agricultural field
- Conducted Rain Barrel Workshop
- Conducted three Stream Ecology education programs
- Completed one stormwater management project through our Ag BMP Program
- Completed Lackawanna River & Roaring Brook stream assessments

Other Accomplishments

Dirt & Gravel Road/Low Volume Road Program

Resource Challenge

Minimize sediment pollution, upgrade stormwater/groundwater controls, improve road structural integrity, and improve driving surface

Project Summary and Projected Results

Completed six Dirt & Gravel Road and four Low Volume Road projects in seven different municipalities within Lackawanna County. Total value of all projects was \$951,724.71. This figure includes both grant funds and in-kind contributions from the municipalities

Key Project Partners

- Lackawanna County Conservation District
- Dickson City Borough
- Blakely Borough
- Newton Township
- Spring Brook Township
- Jefferson Township
- LaPlume Township
- Madison Township

Contact Information

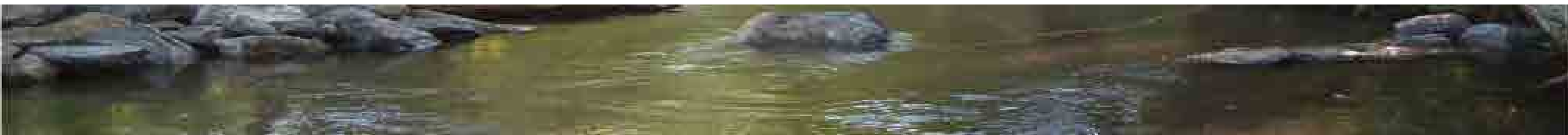
Jerry Stiles
District Manager

Jay Clymer
Board Chairman

1038 Montdale Rd., Suite 109
Scott Township, PA 18447
(570) 382-3086
www.lccd.net

More Work to Do

- Administration of NPDES Permit & Chapter 102 Program
- Administer Chesapeake Bay, Nutrient Management and Soil Health Programs
- Administer Lackawanna County Conservation District's Ag BMP Program including the installation of projects on two (or more) operations
- Administer Farmland Preservation Program including the addition of two new farm parcels in 2020
- Administer 2020 Soil Health Enhancement Program
- Installation of fish habitat enhancement structures along Leggett's Creek
- Complete Roaring Brook Streambank Stabilization Project
- Install PA Game Commission wildlife habitat boxes at County & State Parks



Lancaster County Conservation District

2019 Accomplishments

Coordinated the completion and submission of the County's Action Plan to achieve Chesapeake Bay goals.



Agricultural Conservation Program

Project dollars to landowner projects \$204,400

Funds allocated through NRCS \$1.78mill

- Designed 170 Best Management Practices (BMP's).
- Planned nearly 2,000 acres with a Conservation Plan or Ag E&S Plan.
- Installed 102 BMP's (6 waste storages, 12 waterways, and 4 stream crossings, etc.)
- Reviewed 97 Act 38 Nutrient Management Plans.
- Conducted status reviews of over 250 Act 38 regulated operations.
- Conducted 306 farm compliance visits.

Watershed Program

Project dollars totaling more than \$1,600,000

- Restored over 1.5 miles of by installing; over 1,000 ft. of mudsills ; 5 log/cross vanes to direct high water flows, and planted nearly 5 acres of riparian buffer (1,800 trees planted).
- Assisted over 10 local volunteer watershed associations with education, funding, monitoring, and volunteer recruitment.

Erosion & Sediment Control Program

Total Fees Generated \$550,751

The E&S Department administered the Chapter 102 and Chapter 105 programs to help protect our natural resources from impacts of new development and construction projects

E&S Plans Reviewed	401
NPDES Permits Processed	193
Chapter 105 General Processed	98
Site Inspections Conducted	905
Complaints Received & Processed	96
Enforcement Cases	2

Dirt & Gravel Road Program and the Low Volume Program

Allocated to Municipalities \$680,000

The DGR and LVR programs assisted 15 municipalities with 18 road projects improving conditions on more than over 16 mile of roadways throughout the county.

Conservation Education Program: \$15,210 Fees Collected

- Conducted 184 educational programs including 6,798 participants.
- Collaborated with the public libraries of Lancaster to producing the *Summer Fitness Quest* a program connecting County to natural areas in the county.
- Worked with PBS WITF to develop PA Conservationist - Past & Present video into Envirothon study materials.



Funding brought to the County in 2019 through Conservation District projects and programs:

\$3,211,670

Contact Information

Dan Heller
Board Chairman

Christopher Thompson
Managing Director

1383 Arcadia Road, Room 200
Lancaster, PA 17601-3149

(717) 299-5361 ext. 5

www.lancasterconservation.org



More Work to Do

- Retain trained and experienced staff.
- Administer a county-wide, clean water collaborative.
- Launch the Conservation Excellence Program
- Develop a Buffer Maintenance Program.
- Allocate \$2.475 mill in project grants.
- Administer a Spotted Lanternfly Control Program.
- Work to implement CAP goals and objectives.
- Establish 8 in-stream monitoring stations.

Lawrence County Conservation District

2019 Feature Accomplishment



In 2019, Lawrence County Conservation District completed projects on Grassycrest Farm and the Wilson Farm. Some of the projects completed include a roofed animal heavy use area along with a roofed dry stacking area on Grassycrest Farm. This design provides the livestock with a free-range area and helps prevent soil erosion. The total cost of these projects was \$206,298.09. On the Wilson Farm a 1000 ft. grassed waterway was constructed to reduce erosion in the field at a cost of \$11,952.15. On the Kenny Farm in the Honey Creek Watershed, we installed a 6-month Concrete Manure Storage with a total cost of \$218,424.87. The total money spent on Agricultural Best Management Practices was \$436,666.11. Funds for these projects are through PA Growing Greener grants.

Other Accomplishments

- Completed \$115,000 in DGLVR projects
- Established an Edible Rain Garden in a Community Garden in the City of New Castle
- Conducted 51 plan reviews, 43 site inspections, responded to 14 complaints, issued 11 permits, issued 13 Notices of Termination (NOTs) and provided technical assistance to 1,350 individuals in the Erosion and Sedimentation Prevention Pollution Control Program.
- Participated in multi-agency planning meetings with Munnell Run Farm and Carnegie Science Center to develop curriculum and interactive educational displays for the Climate and Rural Systems Partnership.
- Agricultural Technician Travis Gates became a certified reviewer for the Act 38 Nutrient Management Program.



Funding brought to the County through Conservation District efforts: \$1,187,816

Contact Information

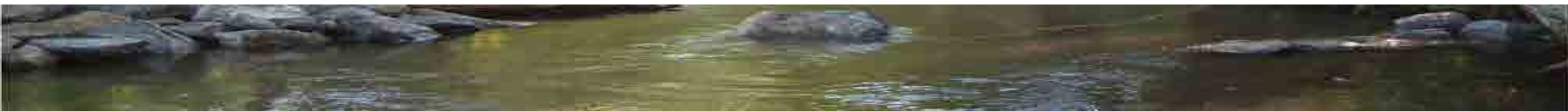
JoAnn McCready
District Manager

Phillip Dean
Chairman

430 Court Street
New Castle, PA 16101
724-652-4512
www.lawrencecd.org

More Work to Do

- Implement the Slippery Rock Creek Watershed Plan on two ag operations
- Oversight of Dirt, Gravel, and Low Volume Road projects in three municipalities
- Work with Penn Soil RC&D to obtain grant to install solar electric car charger in Lawrence County
- Installation of a bottomless arch stream crossing in Hickory Township.



Lebanon County Conservation District

2019 Feature Accomplishment



Low Volume Road Project

East Swatara Drive in Jonestown Borough had been closed for over a year due to deteriorating conditions. LCCD provided both technical and monetary assistance for this low volume road replacement project.

The original road was removed and the new road was constructed with a width two feet less than that of the original road. A sound road base was placed, a vegetated roadside swale was added and the road was paved with conventional bituminous concrete.

Other Accomplishments

- Preserved 329.62 acres of farmland through three agricultural land preservation easements.
- Assisted agricultural operators in developing 44 manure management plans covering over 5,700 acres.
- Reviewed 99 plan submissions, 53 of which were for NPDES permit coverage. (as of October 31, 2019)



Funding brought to the County through Conservation District efforts: \$749,224

Contact Information

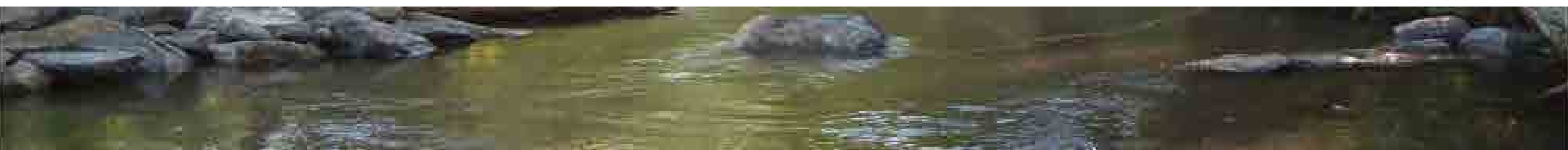
Katie Doster
District Manager

Randall Leisure
Board Chairman

Lebanon Valley Ag Center
2120 Cornwall Road, Suite 5
Lebanon, PA 17042
717-277-5275
www.lccd.org

More Work to Do

- 47 farms totaling over 4,700 acres awaiting agricultural preservation



Lehigh County Conservation District

2019 Feature Accomplishments



24 conservation plans written covering 2966 acres in Lehigh County

Worked with Building 21 in Allentown on Urban Agricultural Program

Hosted 11 high school teams and 20 middle school teams at the Lehigh County Envirothon Competition

Approved 74 NPDES Permits issued on 1601 acres

Established a citizen science banding program for Spotted Lantern Fly

Other Accomplishments

Completed construction on 980 feet of streambank along a tributary to the Liebert Creek including regrading the stream bank and 25 fish habitat structures

Worked with the PA Department of Agricultural on removal of Spotted Lantern Fly habitat and the control of the Spotted Lantern Fly



Funding brought to the County through Conservation District efforts: \$ 598,360

Contact Information

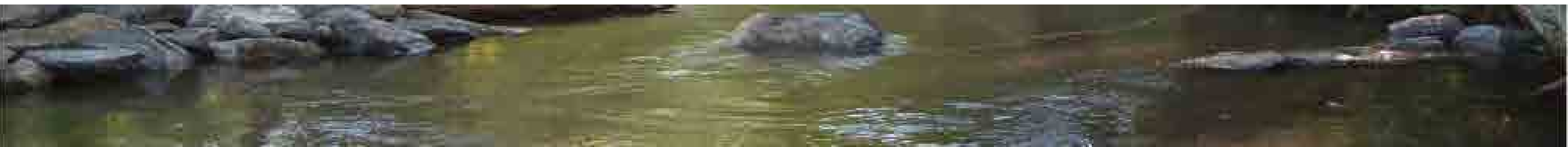
William McFadden
District Manager

William Erdman
Board Chairman

4184 Dorney Park Rd
Allentown, PA 18104
610-391-9583
www.lehighconservation.org

More Work To Do

- Control of the Spotted Lantern Fly
- The Urban Agricultural Program



Luzerne Conservation District

2019 Feature Accomplishment:

Glen Oaks Streambank Stabilization Project Dennison Township, Luzerne County



This project included 300 feet of streambank stabilization approximately 40 feet high and removal of 160 feet of gravel bar, restoring a section of upper Nescopeck Creek to a clean, free flowing, Class A wild brook trout stream through a residential neighborhood. Besides the environmental benefits, the project will help alleviate the threat of catastrophic bank failure and future flooding impacts. It is estimated the stream will be spared from 92 lbs. of Nitrogen, 31.3 lbs. Phosphorus and 142,600 lbs. of Sediment each year. The \$237,368 project was funded through a Growing Greener grant. The District's partners included PA DEP, USDA NRCS, Chesapeake Bay Foundation, Penn State Extension Watershed Stewards, and Dennison Township.

Other Accomplishments

- Authorized 56 NPDES Permits for construction activities, with average approval time of 117 business days
- Responded to 72 complaints related to soil and water issues
- 240 Erosion & Sediment Control Plan Reviews and 223 site inspections for earth disturbance activities in Luzerne County
- Provided over \$293,000 for 8 projects to reduce sediment pollution from municipal dirt & gravel roads
- Provided over \$372,000 for 6 low-volume paved road projects to improve storm water management, drainage, & road base/surfaces
- Preservation of 2 farms totaling 142 acres through administration of the Luzerne County Farmland Preservation Program
- Provided conservation planning and federal Farm Bill Program contract coordination and agricultural conservation projects on more than 2,200 acres of farmland within Luzerne County, in partnership with USDA NRCS, PA DEP & PACD
- Held 40th Annual Luzerne County Envirothon at the County Fairgrounds near Dallas. Nearly 140 high school students representing 28 teams from 5 different high schools competed in the event



Construction of new dairy barn/manure management facility at
The Lands at Hillside Farms

Funding brought to the
County for Direct
Conservation Efforts:
\$1,281,361

Contact Information

Timothy Ference
Board Chairman

Joshua Longmore
Executive Director

325 Smiths Pond Road
Shavertown, PA 18708
570-674-7991
www.luzcd.org

More Work to Do

- Provide natural resource conservation assistance to state and federal partners and Luzerne County municipalities, landowners, & land users
- Implement ongoing and new conservation projects on farms and along streams, wetlands, and lakes
- Coordinate the preservation of more Luzerne County farms through the Farmland Preservation Program
- Provide multiple educational opportunities to promote the stewardship of natural resources

Lycoming County Conservation District

2019 Feature Accomplishment



Resource Challenge:

- Since 2017, Hughesville Water Authority lost over 150 feet of stream bank, threatening the source water well supporting 2,500 customers.

Project Summary and Results:

- Installation of 725 feet of R-8 Rip-Rap and 4 stream barbs.

Key Project Partners:

- Growing Greener
- Watershed Restoration Protection Program
- USDA- NRCS
- County of Lycoming

Other Accomplishments

- Environmental Education –30 + programs reaching more than 3,000 students and county residents.
- Administered mosquito and tick surveillance programs
- Dirt and Gravel Roads program provided nearly \$450,000 to local municipalities.
- Ag Preservation, added 325 acres, bringing the County total to 10,000 + acres
- Woody stream debris removal projects – 2 completed
- Secured \$64,000 through Nutrient Credit Trading.
- 5 Emergency Watershed Protection Projects.
- Fish Habitat Improvement projects on impaired stream



Funding brought to the County through Conservation District efforts: \$ 1.4 million

Contact Information

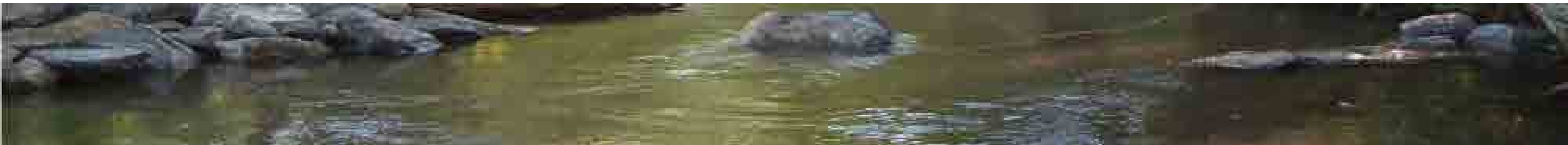
Mark Davidson
District Manager

Carl Schlappi
Chairman

542 County Farm Rd
Montoursville, PA 17754
570-433-3003
www.lyco.org

More Work to Do

- Soil Health Workshops
- Ag Growing Greener projects
- ACT 13 Fish Habitat Projects
- \$500,000 in Dirt and Gravel Road Projects
- Ag Land Preservation



McKean County Conservation District

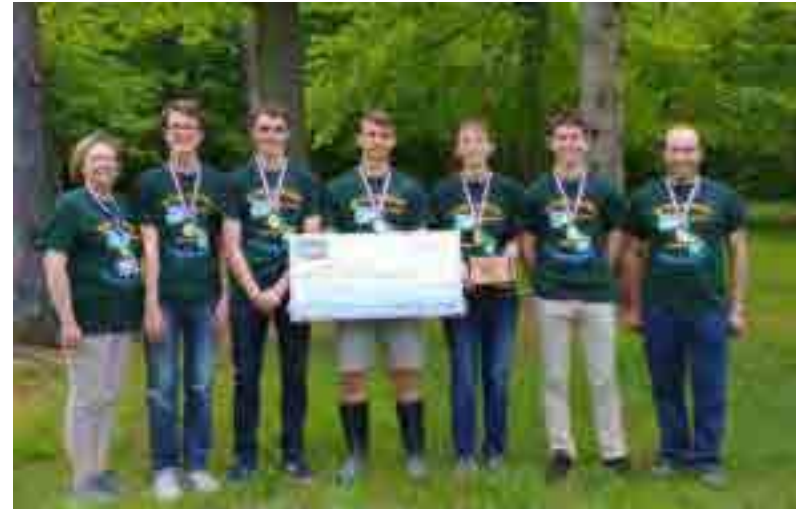
2019 Feature Accomplishment



Invasive Plant and Stream Crossing Inventories

District summer interns collected extensive data on invasive plant populations and stream crossings for aquatic organism passage potential. Their work was partially funded by National Fish & Wildlife Foundation grants (Pulling Together and Central Appalachia Habitat Stewardship Program). The data provides a baseline and helps plan for future plant treatment and crossing replacements; and will help to secure additional funding for this work. They utilized GIS based mobile applications and worked closely with the county GIS coordinator to compile the data. This field work helped both the Allegheny Plateau Invasive Plant Management Area partnership and the Dirt, Gravel, and Low Volume Road program. Grant funding was awarded in the fall from the PA Department of Agriculture (Rapid Response funds) to treat populations of plants posing significant ecological threats that were inventoried.

Other Accomplishments



Environmental Education Programs

The 2019 McKean County Envirothon team, the Bradford Bees, placed fourth at the PA Envirothon. Each of the five team members were awarded scholarships for their accomplishment. This is the highest McKean County has achieved at the event. All District educational programs and events in 2019 reached over 3,200 people.

West Kane Low Volume Road Project

This project involved improving drainage for a road base made of mostly clay soils. Wetmore Township replaced two poorly functioning cross-pipes with one new larger cross-pipe; installed 210 feet of underdrain; installed a 160 foot French mattress to help drain spring seeps in and around the road; and improved the road base. Total amount funded by the grant was \$23,848.00 with \$20,825.38 contributed by the township.



Funding brought to the County through Conservation District efforts: \$1,876,348.60

Contact Information

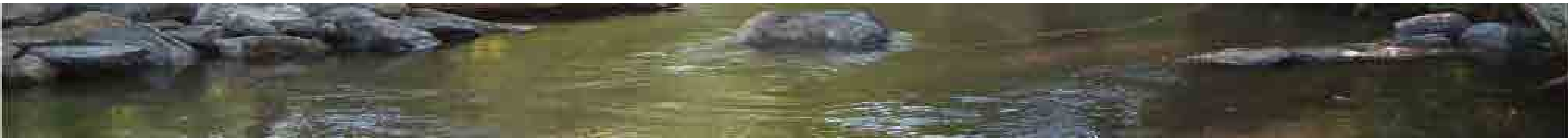
Sandy Thompson
District Manager
Kerry Fetter
Board Chairman

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

www.mckeanconservation.com

More Work to Do

- Growing Greener Grant Projects
 - Agriculture BMP Projects
 - Acid Mine Remediation Project-Hamlin and Railroad Run watersheds
- Municipal Staff Outreach
- Streambank Stabilization program
- Invasive Plant Treatment program



Mercer County Conservation District

2019 Feature Accomplishment

Other Accomplishments

Funding brought to the County through Conservation District efforts: **\$601,243.97**

Contact Information

Jay Russell
District Manager

James P. Rust
Chairman

24 Avalon Court,
Suite 300
Mercer, PA 16137
724-662-2242
Mercercountycd.com

More Work to Do

- Conveyor belt demonstration project at Canon Dairy
- Monitoring/treatment of European Water Chestnut at Pine Run impoundment
- Phase 2 of the Fish Habitat Project on Neshannock Creek
- DEP Education Grant two-fold mission: 9 County schools, in-school lessons with rain barrel decorating contest; 2 Community rain barrel and geo compost bin construction workshops

- Growing Greener Sandy Creek Watershed Projects totaling \$12,244
 - Standard 590 plan for Hillview Acres
 - 100 acres of soybean fields cover cropped
 - Total P sampling on six tributaries
- PALMS Lake Management Award
- European water chestnut article published in iMapInvasives quarterly newsletter
- Growing Greener Elder Run Projects totaling \$41,411
 - Installed-8 single log deflectors, 8 saw toothed deflectors, 8 root wads, 2 cross vanes, and 1 mud sill
- 134 Education programs, reaching 5,900 people
- 2 Dirt, Gravel & Low Volume Road Maintenance demonstration projects
- 2019/20 DEP Environmental Education Grants Program Awardee \$3,000 Backyard Conservation
- 5 Dirt, Gravel & Low Volume Road Maintenance projects totaling \$286,368.82

- 11 General NPDES permits
- 38 Chapter 105 general permits



Day 1: >6ft eroded, undercut banks



Day 2: modified mudsill installations

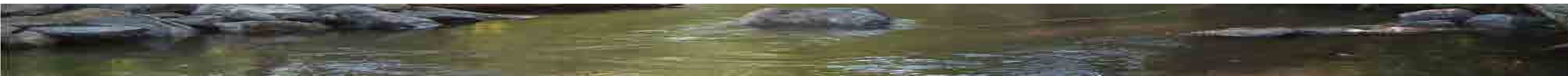


Day 3: backfill and bank grading; grass seed and straw



6 weeks later, looking upstream, grassed banks, new flow patterns, evidenced by ripples

MCCD joined forces with the Neshannock Chapter #216 of Trout Unlimited, Plantation Park Campers Association, and PA Fish & Boat Commission to restore a section of Neshannock Creek, in Mercer. This project was made possible by an Embrace-A-Stream grant. Modified mudsills were installed to 300 feet of streambank to deflect water and decrease erosion. These structures and 'root wads' also create a great fish habitat.



Monroe County Conservation District

2019 Feature Accomplishment



- Awarded Growing Greener funding to complete the engineering and permitting for a stream restoration project on State Game Lands #38
- Expanded educational programming to include creek snorkeling
- Spearheaded local efforts to identify and document the spread of Spotted Lanternfly
- Formalized a strong relationship with the Planning Commission and Economic Development Corporation to improve permitting efficiency
- Supported community-wide sustainability initiatives focusing on recycling and anti-litter efforts

Other Accomplishments

- Worked with local and state agencies to suppress illegal dumping of contaminated material
- Worked with township officials and zoning officers to improve protection of local wetlands
- Worked with local school districts to evaluate environmental education needs in the community and create programming to meet curriculum standards



Grant funding brought to the County through Conservation District efforts: \$125,000

Contact Information

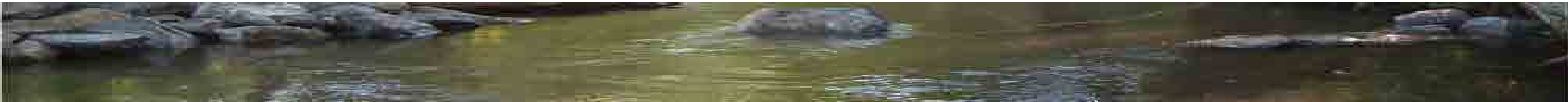
Adam Schellhammer
District Manager

Pat Ross
Chairman

8050 Running Valley Rd
Stroudsburg, PA 18360
(570) 629-3060
www.mcconservation.org

More Work to Do

- Continue to strengthen partnerships with conservation and economic development groups and expand our educational program offerings



Montgomery County Conservation District

2019 Feature Accomplishment

Resource Challenge:

The 2018 Pennsylvania Integrated Water Quality Monitoring and Assessment Report lists causes of surface water quality impairment to Montgomery County surface waters as agriculture, urban runoff/storm sewers, municipal point sources, thermal modifications and sources unknown. Sources of impairment (for fish consumption, recreational and aquatic life uses) include nutrients, siltation, pathogens, organic enrichment/low dissolved oxygen, PCBs, excessive algal growth and causes unknown.

Project Summary and Results:

With funding provided through the Southeast PA Tree Vitalize Watersheds grant program, MCCD partnered with several local watershed organizations, municipalities, academic institutions and volunteers to secure Landowner Agreements, develop Operation and Maintenance Plans and install 12 riparian buffer installation and/or enhancement projects across 23 acres. Through these projects, partners worked to plant and protect 2,093 native trees and 1,080 native shrubs along stream corridors and stormwater management facilities to help capture and treat runoff, reduce soil erosion, improve water quality, enhance aquatic and wildlife habitat conditions and provide educational opportunities for the public.

Key Project Partners *(for TVW program specifically)*

PA DEP, AQUA, Pennsylvania Horticultural Society, Perkiomen Watershed Conservancy, Upper Perkiomen High School, Upper Pottsgrove Township, Philadelphia Cricket Club, Riverbend Environmental Education Center, Upper Merion Township, Pennypack Ecological Restoration Trust, & Wissahickon Valley Watersheds Association.

Other Accomplishments

- Three agricultural education workshops:
 - Equine Pasture & Manure Management Workshop; Cover Crops demonstration field day; and Lawn to Meadow demonstration field day
- Four Workshops held for the regulated Public:
 - Developers Workshop; Municipal MS4 Workshop; Engineers Workshop; and Stormwater basin naturalization demonstration field day
- Worked with partners to secure DCNR Multi-Functional Riparian Buffer Grant funding through PACD to support the installation of two riparian buffer projects across 2.5 acres.
- Participated in Spotted Lanternfly control work & education efforts through a state and federally-funded grant.
- 2019 Montgomery County Envirothon: Participation by 95 high school students and 105 middle school students.
- Successful third year of a NRCS CIG grant promoting no-till planting. Through the project, a no-till drill was available for free rental to farmers for no-till planting, cover crop establishment, pasture renovation, basin naturalizations, lawn to meadow conversion, and pollinator plot establishment. In 2019, approximately 13 farmers used the drill as a demonstration piece of equipment to plant approximately 50 acres. This successful project promoted adoption of conservation planting practices and four demonstration field days were held.
- Contracted 1 gravel road improvement project in Pottstown Borough through the state DGR grant program and 1 paved low volume road improvement project in Salford Township through the LVR grant program. Both projects address stormwater management, improve drainage and water quality, improve road safety and reduce road maintenance and impact to the environment.
- Assisted with the planning and delivering the “Watershed Congress along the Schuylkill River” event.

Grant funding brought to the County through Conservation District efforts : \$516,313.00

Contact Information

Jessica Buck
District Manager

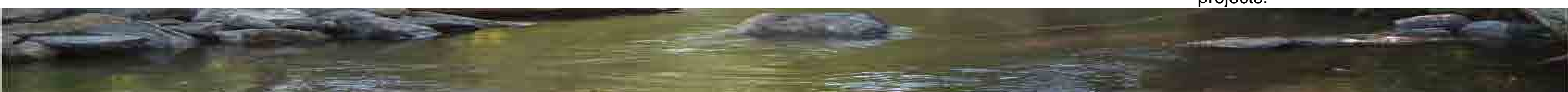
Sara Erlbaum
Board Chairman

143 Level Road
Collegeville, PA 19426
(610) 489-4506

www.montgomeryconservation.org

More Work to Do

- Construction site compliance with NPDES permit requirements remains an area of concern and need for improvement.
- NPDES NOT (Notice of Termination) paperwork is not being completed and submitted, despite effort from the District to bring awareness of the requirement to permittees.
- Funding opportunities to maintain established riparian buffers to ensure long term success of publicly funded projects.



Montour County Conservation District

2019 Feature Accomplishment



The George Streambank Stabilization Project was completed this summer. It stabilized 650 linear feet of Beaver Run by utilizing log structures like cross vanes and mudsills. This project was funded by a Northcentral Pennsylvania Conservancy (NPC) through a cooperative effort by PA Fish & Boat Commission, DEP, the Montour Conservation District and NPC. All the labor for the project was provided by Montour Conservation District staff, Northumberland Conservation District staff, Bloomsburg University Student Interns, DEP and PA Fish and Boat Commission staff.

Other Accomplishments

The Montour Conservation District completed three roofed barnyard/manure storage projects and a roofed manure storage project in 2019. There are three other barnyard stabilization or manure storage projects that are still ongoing. These projects were all funded by the Growing Greener Program. There were also three projects completed through the Dirt and Gravel Roads Program in 2019. We paid out **1,005,298.76** for projects in 2019.



Funding brought to the County through Conservation District efforts: \$ 1,019,818

Contact Information

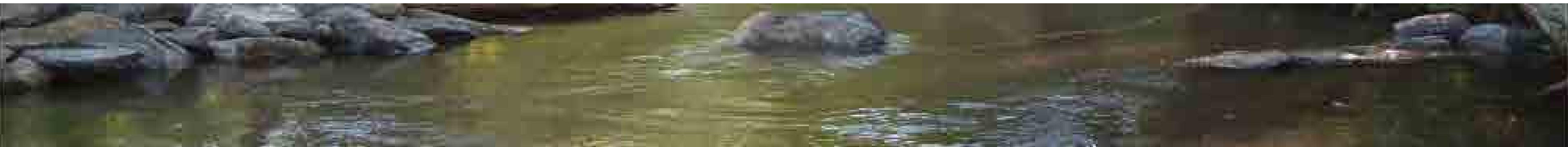
Sean Levan
District Manager

Mathew Derr
Chairman

1210 Bloom Road
Danville, PA 17821
570-271-1140
www.Montourccd.com

More Work to Do

- Kelly Dam Road D&GR
- Woodruff Barnyard
- Biddle Barnyard
- Seven acres of wetlands
- Rine Streambank Project



Mifflin County Conservation District

Funding brought to the County through Conservation District efforts: \$ 729,322.00

2019 Feature Accomplishment

Kish Park Stream Restoration Project

Resource Challenge

A section of Kishacoquillas Creek (HQ-CWF, MF) suffered from severe erosion due to loss of riparian vegetation. The goals of this project were to stabilize the stream banks, improve fish habitat, and restore a native riparian plant community.

Key Components

- Public meetings & Arbor Day planting event
- Installation of 13 Fish Habitat Enhancement Structures
- Planting 1.2 acres of Riparian Forest Buffer

Key Project Partners

Derry Township
PA Fish and Boat Commission
Penn's Creek Chapter of Trout Unlimited
National Fish and Wildlife Foundation (NFWF)
PA Coldwater Heritage Partnership
PA Department of Conservation and Natural Resources (DCNR)

Other Accomplishments

BMP Implementation

- 5,750 ft. of livestock exclusion fencing
- 4.4 acres of riparian forest buffer planted
- 2,500 ft. of stream restoration
- 3 stabilized stream crossings
- 25+ acres of riparian forest buffer management

Dirt & Gravel Rd./Low Vol. Rd.

- 5 DGR projects contracted
- 5 LVR projects contracted

Environmental Education

- Mifflin/Juniata Envirothon
- Field days & class presentations
- 2 summer internships
- Water for Agriculture Project (PSU)
- Manure management workshops

Watershed

- Upper Kish WIP update
- 2019 Surface Water Assessment Program

Farmland Preservation

- Preserved 116 acres

More Work to Do

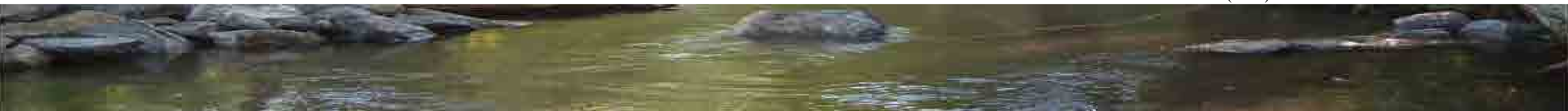
- Additional phases for Kish Park project
- Ag BMP implementation in Upper Kish and Hungry Run
- Multifunctional riparian buffer installation
- Riparian buffer management on past projects
- Surface Water Assessment Program
- Manure management and rain barrel workshops
- Agricultural compliance inspections
- Dirt & Gravel Rd. / Low Volume Rd. projects
- Farmland Preservation
- Environmental Education

Contact Information

Daniel Dunmire
District Manager

Cathy Haughwout
Board Chairwoman

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



Northampton County Conservation District

2019 Feature Accomplishment

8th Lehigh Valley Watershed Conference



Northampton County Conservation District partnered with the Watershed Coalition of the Lehigh Valley and other planning members to present the 8th Lehigh Valley Watershed Conference. The Conference was held on October 15th, at Lehigh University in Bethlehem, PA. Over 170 attendees from varied backgrounds participated in sessions focusing on MS4 concerns, multifunctional riparian buffers and crops, regional planning and recreation, vegetation management, and other topics.

Other Accomplishments

- Completed almost 300 E&S/PCSM plan initial & follow-up reviews, conducted over 270 E&S/PCSM site inspections, established over 25 agricultural assistance sites, issued over 60 NPDES/ESCGP permits, fielded over 55 complaints and had five Chapter 102 enforcements.
- Provided over 50 environmental education programs for schools, fairs, and organizations with almost 6,700 attendees.
- Established summer internship program; hosted two interns
- Organized five MS4 Municipal Roundtable training events.
- Provided over \$647,000 in Dirt, Gravel and Low Volume Road grant funds to municipalities for implementation of environmentally sensitive road projects to reduce sediment pollution in four different watersheds.
- Provided \$13,000 in mini-grant funds for water quality projects in the County.
- Assisted PDA & USDA with efforts to educate the public and control the population of the invasive species, Spotted Lanternfly; provided \$25,000 toward a Tree of Heaven control project



Funding brought to the County through Conservation District efforts: **\$1,376,000**

Contact Information

Sharon Pletchan
District Manager

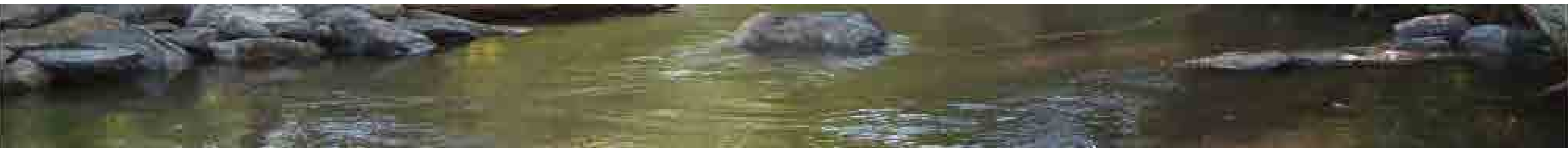
Joel Geiger
Board Chairman

Greystone Building
14 Gracedale Avenue
Nazareth, PA 18064-9211
(610) 829-6276

<https://www.northamptoncounty.org>
northamptoncd@northamptoncd.org

More Work to Do

- Provide environmental training for the community, County and municipalities
- Continue to build District's Agricultural Assistance and mini-grant Programs
- Assist community with Spotted Lanternfly control efforts.
- Continue to assist with County and municipal MS4 education.
- Assist to establish riparian buffers
- Continue summer internship program



Northumberland County Conservation District

2019 Feature Accomplishment



A 3-part barnyard project on a cow/calf operation, located in Upper Augusta Township. Project 1: the construction of a 106' -10^{3/4}" X 68' pole type roof installed over an existing heavy use area and new manure stacking area. Project 2: the construction of a 60' X 76' roofed concrete barnyard gave the landowner ample manure storage and bedding area. Project 3: included reinforced gravel cattle walkways and stream crossing and construction of grassed waterways below the culverts. A grassed waterway was installed at the base of a road culvert to address gully erosion that extended from the culvert to the crop field. Funded in part by a PA DEP Growing Greener Grant (\$156,108.47) and a Chesapeake Bay Special Projects Grant (CBSP) (\$108,323.00).

Other Accomplishments

- Awarded 3 DEP Environmental Education Grants: (1) Purchase of a ground water model, (2) Water quality and Coal Mining History Field Trip, (3) Rain barrel educational event
- Successful completion of three Dirt & Gravel Roads projects (totaling \$172,513.47) and three Low Volume Roads projects (totaling \$98,000.59).
- Installation of streambank restoration project on Limestone Run, including single log vane deflectors, toe logs, log cross vanes, and modified moundsills in cooperation with Northcentral PA Conservancy and Montour County Conservation District (picture below).



Funding brought to the County through Conservation District efforts: \$1,167,835.96

Contact Information

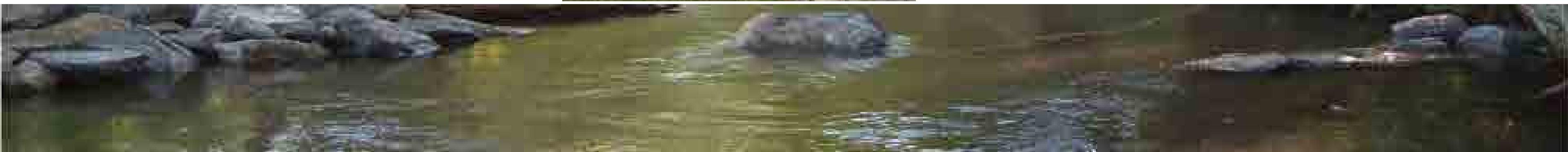
Judy Becker
District Manager

Michael Hubler
NCCD Board Chairman

441 Plum Creek Road
Sunbury, PA 17801
570-495-4665 x305
www.nccdpa.org

More Work to Do

- Warrior Run Watershed designated a priority watershed for National Water Quality Initiative funding for 5 years
- 55 farms totaling over 6,300 acres waiting to be preserved in Northumberland County
- Reach out to every ag operation in the county and offer our technical assistance



Perry County Conservation District

2019 Feature Accomplishment



Coordinated and sponsored a Grass Management Field Day at the Daryl Eberly Farm in Elliptsburg, Pennsylvania to address soil health and water quality issues often associated with over-grazing. Eighty attendees learned about areas that need to be considered in pastures, current regulations involving pastures, animal nutrition, cover crop mixes (pictured above), and soil health. The day was finished with a pasture walk highlighting how grazing fits into the Eberly farm management system. In addition, the use of grazing sticks as a tool in pasture management was demonstrated and participants received a complimentary grazing stick from PACD. District partners were Capital RC&D, NRCS and the PA Grazing Lands Coalition.

Other Accomplishments

- Developed a soil health bucket with Users Guide that can be borrowed by individual farmers or used for small group sessions to provide simple tests for soil health evaluation
- Keep Perry County Beautiful Affiliate coordinated a Tire Collection (702 tires),
- E-cycling Collection(11.25 tons), and the Juniata River Clean Up (70 tires, 2 tons trash) with the help from 53 volunteers.
- District's 4 no-till drills were used to plant a total of 1,896 acres, 1,000 of which were cover crop.



Funding brought to the County through Conservation District efforts: \$ 764,259

Contact Information

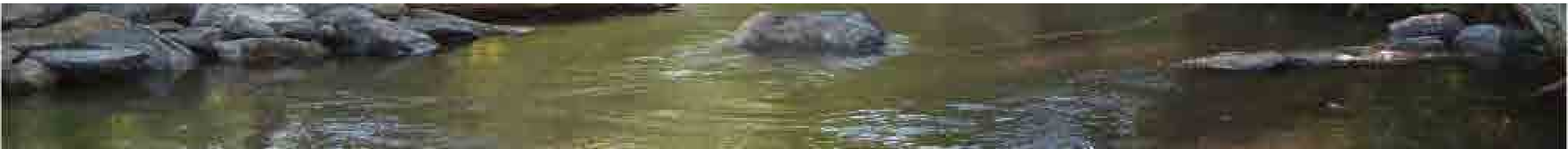
Sally Tengeres
District Manager

Oscar Campbell
Board Chairman

P.O. Box 36
31 West Main Street
New Bloomfield, PA 17068
(717) 582-8988 ext 4
www.perrycd.org

More Work to Do

- Preserve an additional 45 farms in the Ag Land Preservation Program.
- Continue efforts to evaluate, educate, and implement BMPs to delist 8 ag impaired streams and reduce erosion and improve water quality throughout Perry County



Pike County Conservation District

2019 Feature Accomplishment

How your Backyard Activities Affect the Lake Community Association Series



Project Summary : In 2018, a survey of local residents showed that one environmental topic that was most important to them was the health and cleanliness of their local lakes. In response, we held the 3-workshop series titled “*How your Backyard Activities Affect the Lake,*” to reach the great number of residents that live in community associations.

Workshop 1 : *Ways to Help Your Lake Stay Healthy*

Information on watersheds, wetlands and surface water. Methods of directly preserving water quality and the services that the district ways to help.

Workshop 2 : *Homeowner Tips to Protect Clean Water*

Discussion of rain gardens, rain barrels and preserving healthy soil

Workshop 3 : *Maintaining On-Lot Septic Systems*

Discussed the effects of improper septic care and how to maintain a healthy septic system

Other Accomplishments

- Released a survey for public input on upcoming 5-yr Strategic Plan
- Held a legislative breakfast with State and Federal Legislators, presenting our programming concerns and water quality program
- Conducted a municipal outreach program
- Monthly collection of groundwater data partnering with USGS
- Established an educational bioswale on the PCCD property to educate the public about stormwater runoff and groundwater
- Held a Road Maintenance workshop targeting municipal and community association staff that maintain local roadways
- Conducted water quality monitoring in 20 streams in Pike County, studying macroinvertebrates and fish species



Funding brought to the County through Conservation District efforts:

- \$1,600 PACD Mini-Grant to design and place a sign educating the public on bioswales and storm water
- \$1,000 PACD Mini-Grant- Produced and distributed a brochure on general permits titled “*Do I Need a Permit?*”

Contact Information

Michele Long
Executive Director

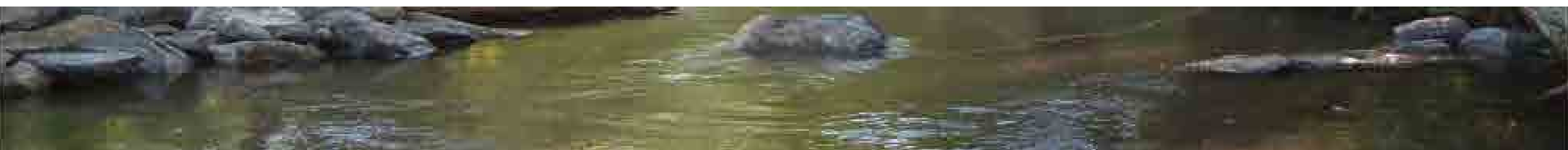
Scott Savini
Board Chairman

556 Route 402
Hawley, PA 18428
570-226-8220

www.pikeconservation.org

More Work to Do

- Conducting a 2020 community association series in the Northern part of Pike County
- Developing a 5-year strategic plan, with input from the public
- Hold a realtors’ workshop partnered with Wayne Conservation District
- Release a podcast sponsored by a DEP EE Mini-Grant to develop, distribute and advertise a podcast of the “*How Your Backyard Activities Affect the Lake*” community association series information



Potter County Conservation District

2019 Feature Accomplishment – Burt Street Culvert Replacements



Outlet before (above left) and Inlet after (above right)

This headwaters tributary of the Genesee River had experienced degraded quality from failing road infrastructure. Burt Street, an unpaved road in Bingham Township, crosses the stream in two locations and interfaces with stream along the entire length. Collaboration by Bingham Township, Ulysses Borough, DCNR, the Potter County Conservation District, Center for Dirt and Gravel Roads, and Trout Unlimited partnered to implement a remediation strategy that restored favorable watershed conditions while enhancing road conditions. The two road stream crossings located on Burt Street were replaced in order to allow for aquatic organism passage and facilitate storm discharge to reduce flooding. The road was then stabilized with pervious aggregate to mitigate sediment contribution to the waterway. These techniques support an array of environmental benefits consistent with river conservation. The conservation-oriented infrastructure put in place during the course of this project allows for safe conditions for the public transit and is a long-term solution to frequent maintenance for both municipalities. The total cost of this project was just under \$177,000.00.

Other Accomplishments

- Streambank erosion / habitat enhancement projects completed on five properties reducing sediment and saving property from washing away.
- A new canoe/kayak launch constructed on Pine Creek in Galetton that will provide recreational opportunities.
- Education and outreach to approximately 1981 adults/youth through 38 different events. Some of these events included a rotational grazing field day at a local beef/dairy farm, pesticide meeting, stream workshop, pollinator workshop, job shadowing and mock interviews, Envirothon, and other hands on field events.
- Assisted several landowners in obtaining emergency permits from DEP due to flooding events.
- Permit approval and project oversight on over 8 large scale sites including: Big Level Wind Project, Sheetz store (Coudersport), new State Police Barracks, AT&T tower (Roulette), UGI, West Penn Power, FM100, and P40 pipeline projects.



Funding brought to the County through Conservation District efforts: **\$122,241.00**

Contact Information

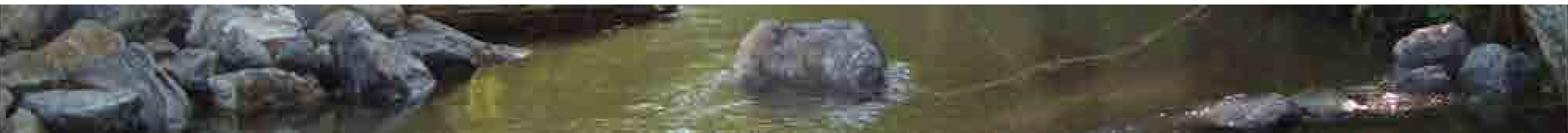
Jason Childs
District Manager

Earl Brown
Board Chairman

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

More Work to Do

- Complete 12 additional Dirt and Gravel / Low Volume Roads projects within the county.
- Complete a minimum of four additional stream restoration projects.
- Continue to promote education and conservation of our natural resources.
- Collaborate with County Commissioners to help develop a Chesapeake Bay Watershed implementation Plan.



Schuylkill Conservation District

Funding brought to the County through Conservation District efforts: ~\$505,000

2019 Feature Accomplishment



Good Spring Creek Floodplain Restoration Phase 1

- Restored six acres of floodplain and wetlands in the Chesapeake Bay Watershed
- Removed over 100,000 cubic yards of highly erodible coal waste material
- Total cost was approximately \$990,000.00
- Next phase to restore an additional 12 acres of floodplain and wetlands is expected to begin construction in Spring 2020

Other Accomplishments

Swatara Creek Floodplain Restoration Phase 1 construction started which will create 10.5 acres of floodplain and wetlands

Lorberry AMD Treatment System Rehab Project was completed to treat abandoned mine drainage from the Rowe Tunnel



Contact Information

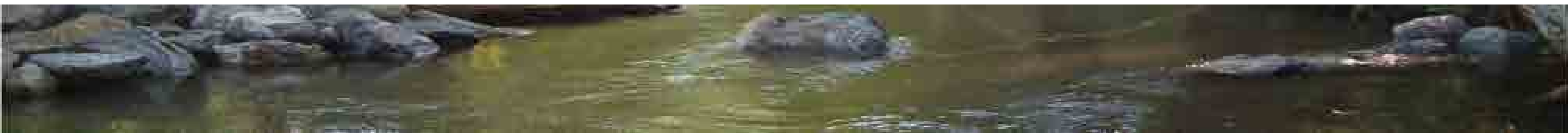
Jenna St. Clair
District Manager

Glenn Luckenbill
Board Chairman

1206 Ag Center Drive
Pottsville, PA 17901
570-622-3742 ext. 5
www.schuylkillcd.com

More Work to Do

- Additional floodplain restoration projects
- Continue AMD discharge pollution remediation projects
- Increase cold water habitat



Snyder County Conservation District

2019 Feature Accomplishment



With the help of various funding sources including DCNR grant funds, County funds, and District funds the SCCD successfully installed buffers and associated Ag BMP's on several sites throughout the County. The District also hosted a driving tour and informational outreach workshop about the buffers and the work that was accomplished.



Other Accomplishments

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



Funding brought to the County through Conservation District efforts: \$524,800

Contact Information

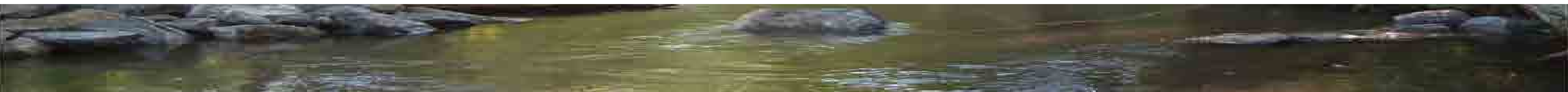
Jason Winey
District Manager

Annette Gray
Chairperson

10541 Rt. 522, Middleburg, PA
17842
570-837-3000
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



Somerset Conservation District

2019 Feature Accomplishment



Rehab and reconstruction of Oven Run AMD Passive Treatment Site E and Site F on the Stonycreek River

Other Accomplishments

Along with other partners the completion of the Valuing of Clean Water Report for the Laurel Highlands Region

Completion of ten Dirt and Gravel and Low Volume Road Projects

Completion of the Soap Hollow Run Stream Improvement Project



Funding brought to the County through Conservation District efforts: \$ 1,034,185.00

Contact Information

Len Lichvar
District Manager

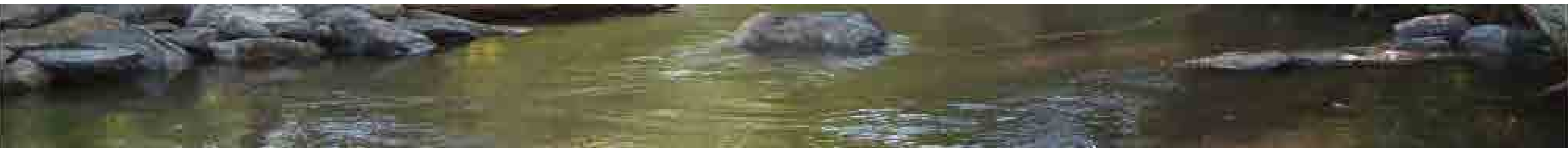
Roger Latuch
Board Chairman

6024 Glades Pike
Somerset, PA 15531,
814-445-4652 Ext.5
www.somersetcd.com

More Work to Do

Lamberts Phase II Project

- Rehab of Oven Run Sites A and D
- Hawk View Re-vegetation Project



Sullivan County Conservation District

2019 Feature Accomplishment



Worlds End Day

Sullivan County Conservation District participated in an environmental celebration held at World's End State Park. Friends of Worlds End State Park organized the event that highlighted dozens of environmental organizations and activities. The event was modeled after the river of the year events held last year and will be offered annually due to the amount of interest and attendance. SCCD offered stormwater demos along with activities for the kids

Other Accomplishments

- 5th Grade Environmental Day
- Local and State Envirothon
- Conservationist of the Year Award
- 11 Dirt & Gravel Road Projects Completed
- 1 Low Volume Road Project Completed
- 2019 Seedling Sale
- Green Career Day Participation
- Conversation with Conservation in the local newspaper
- County Road Maintenance Workshop
- Spotted Lanternfly training and outreach
- Municipal Officials/DGLVR Breakfast
- Pruning workshops
- Stormwater workshops



Funding brought to the County through Conservation District efforts: \$623,644.00

Contact Information

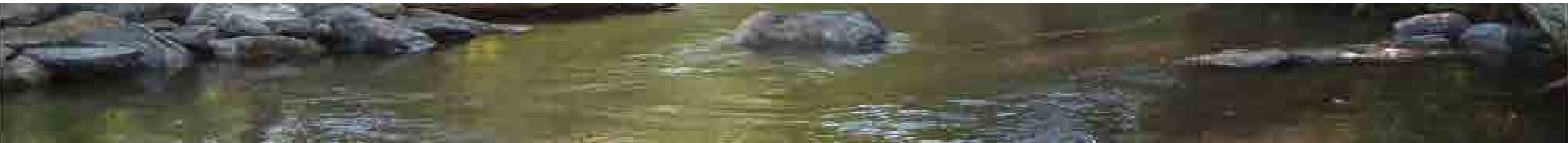
Holly Miller
District Manager

Edward Zinser
Chairman

9219 Route 487 Suite B
570-928-7057
www.sullcon.com

More Work to Do

- Offer training 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

Funding brought to the County through Conservation District efforts: \$1,762,666.48

2019 Feature Accomplishment



New Office Building!

In May of this year, Susquehanna County Conservation District was able to move into a newly constructed building.

Other Accomplishments

- 15 completed Dirt & Gravel road projects totaling 1.3 million dollars
- 8 completed Low Volume road projects totaling \$126,423,33
- Hosted Contractor's Workshop and Natural Gas ESM training
- Awarded 2 new Growing Greener Grants for Agricultural projects
- Weekly Radio/Podcast Show
- Participated in 10 educational outreach events



2019 Envirothon Practice at Salt Springs State Park

Contact Information

Jennifer Ramey
Business Manager

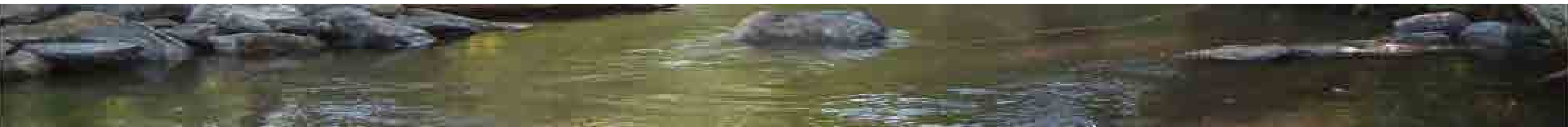
Raymond Warriner
Chairman

89 Industrial Drive
Montrose, PA 18801
570-782-2105

www.suscondistrict.org

More Work to Do

- 10 new Dirt & Gravel Road grants
- 2 new Low Volume Road grants
- Interpretive Trail
- Multi-Use Riparian Buffer Grant



Tioga County Conservation District

2019 Feature Accomplishment



\$ 218,823.86 Chesapeake Bay Special Project Grant

- 1944 sq ft. roofed manure storage and heavy use area
- 4685 sq ft roofed heavy use area
- Underground outlet
- Fencing
- Animal trails and walkways
- Gutters and downspouts
- Access Road
- Milkhouse waste transfer

Other Accomplishments

- Agriculture improvement projects including heavy use areas, animal walkways and manure handling
- Streambank rehabilitation in Canoe Camp, Marsh Creek, North Fork, Holden Brook, and Hills Creek
- Over 30 environmental education programs
- 10 Dirt and Gravel and Low Volume Roads Projects
- Assisted farmers with Ag erosion and sediment plans, manure management plans, and nutrient management plans



Funding brought to the County through Conservation District efforts: \$1,435,759

Contact Information

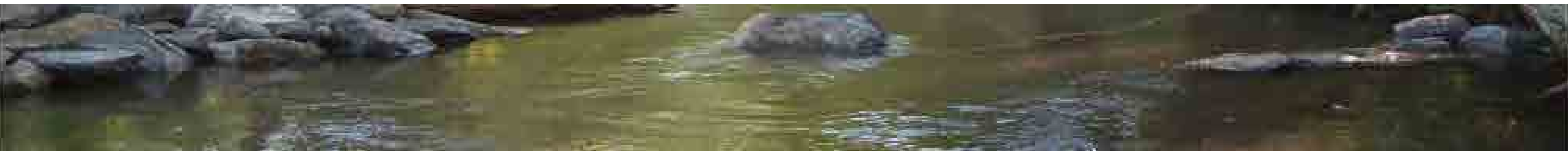
Erica Tomlinson
District Manager

Carl Koch
Chairman

1867 Shumway Hill Rd.
Wellsboro, Pa 16901
570-724-1801
www.tiogacountypa.us

More Work to Do

- Continued education
- Morris Run and Coal Creek Acid Mine Drainage Cleanup
- Further Dirt and Gravel Road improvements
- Streambank rehabilitation
- 3 Large Agriculture improvement projects



Union County Conservation District

2019 Feature Accomplishment

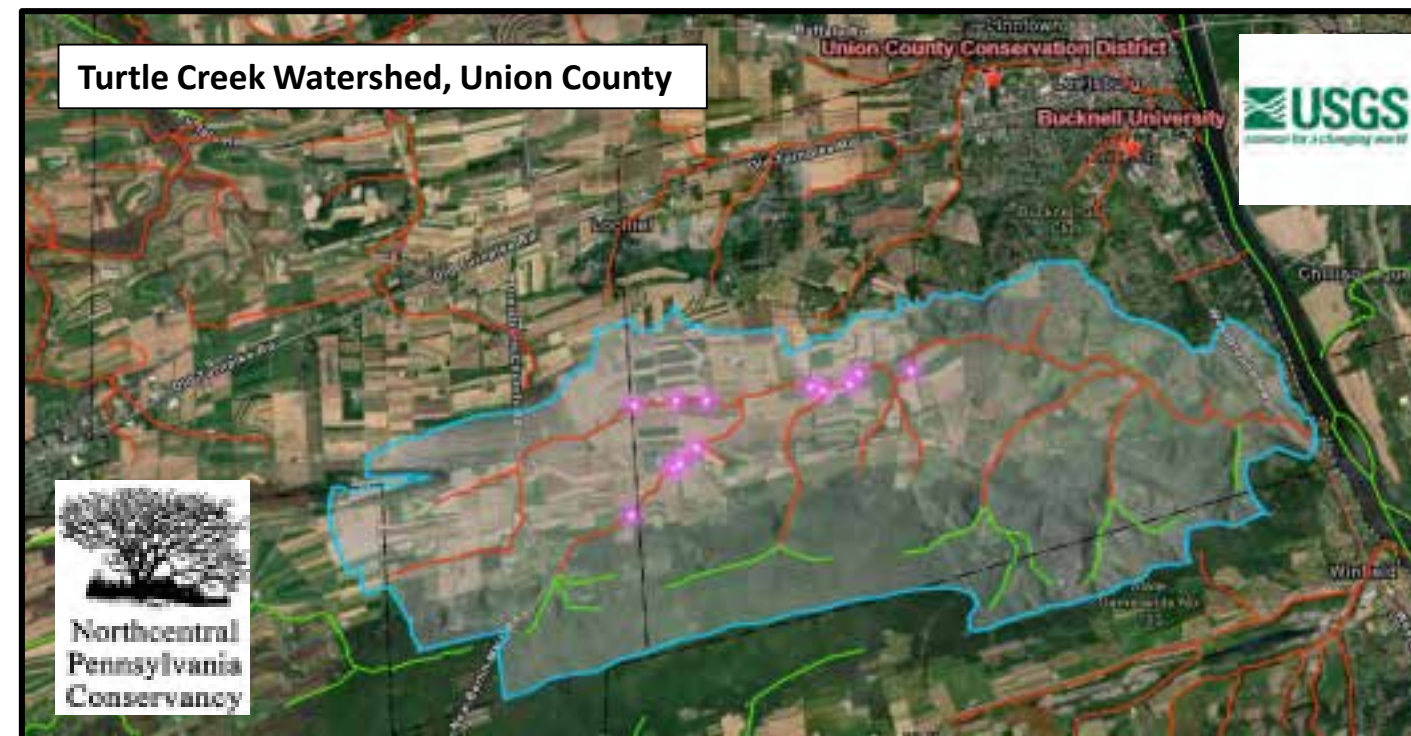


- Sponsored the Susquehanna Valley Envirothon
 - Mifflinburg Team A to State Level– Finished 3rd
 - 65 High School & Middle School kids participated
- Restored 5,000 linear feet of stream bank
- Wetland Restoration at Eichorn Middle School funded by Growing Greener! Provides habitat & education!
- In 2019, we surpassed over 9,000 Acres of Preserved Farmland during our 29 year program!



Other Accomplishments

UCCD is partnering with the Northcentral Pennsylvania Conservancy (NPC) to support a US Geological Survey pilot study to demonstrate how coupling conservation management with tracking/verification can aid Pennsylvania's Phase 3 Watershed Implementation Plan (WIP) to better assess how stream restoration practices are reducing sediment loading to Turtle Creek and eventually the Chesapeake Bay. This 3-year project is funded in part by a Growing Greener grant and will provide published results on the potential sediment reduction of stream restoration activities that can be used by Chesapeake Bay models to develop statewide credits.



Funding brought to the County through Conservation District efforts: \$ 1,278,505.72

Contact Information

Mr. Eric Nyerges
District Manager

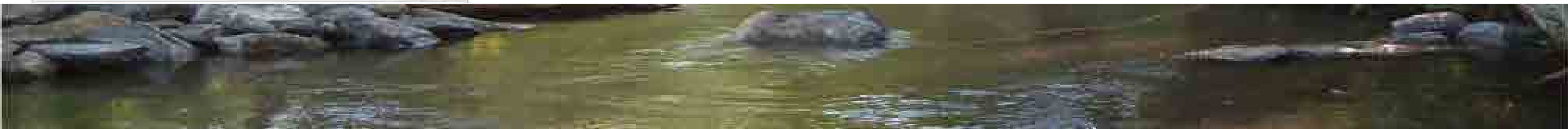
Mr. Lee Spangler
District Chairman

155 N. 15th Street
Lewisburg, PA 17837
Phone: 570-524-3860

Website:
www.unioncountypa.org

More Work to Do

- Install Riparian Buffers on 20+ acres in 2020 and much more in the future!
- Restore 274 miles of impaired streams!
- Invest in technology to make Districts more efficient in the field!



Venango Conservation District

2019 Feature Accomplishment



Through funding by a Northwest Commission Grant, the District was able to assist the Venango Area Handicapped Riding Association with the construction of covered manure . It also serves as a storage area for their bedding.

The District has also assisted VARHA with the development of a nutrient management plan, a stabilized stream crossing, and stabilized heavy-use area and animal walkway

Other Accomplishments

The Venango Conservation District continues to work on plugging abandoned oil wells found through out the county. We are also involved with educating the public on the hazards that abandoned oil wells present to the public. Currently we are approximately halfway through with plugging up to 11 wells in Oil Creek State Park.



Funding brought to the County through Conservation District efforts: \$804,780.00

Contact Information

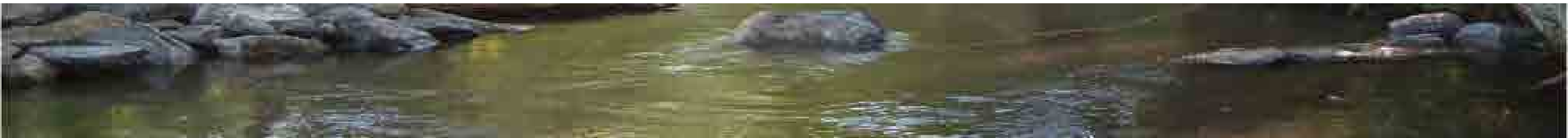
Lance A. Bowes
District Manager

Mike Ohler
Chairman

1793 Cherrytree Road
Franklin, PA 16323
814-676-2832

More Work to Do

- Implement Agriculture BMP's
- Plugging of Abandoned Oil Wells
- Streambank Stabilization
- Stormwater Management
- Abandoned Mine Drainage Reclamation
- Environmental Education
- Riparian Buffer Installation



Warren County Conservation District

2019 Feature Accomplishment



2019 Walk in Penn's Woods!

The WCCD, Hatch Run Conservation Demonstration Area was one of more than 50 sites across the state where Pennsylvanians of all ages got out in the woods on October 6, 2019. The WCCD Staff, Directors, and DCNR Service Forester guided a walk on the maintained hiking trails at the HRCDA. During the walk there was Tree ID, talk about an upcoming Ash Harvest, Historical Selective Cuts and Watersheds. There were 26 adults and 18 children who attended this beautiful educational "Walk in Penn Woods".

Other Accomplishments

- Kindergarten Nature Camp
- Children's Nature Camps
- Youth Conservation Camp
- Dirt, Gravel & Low Volume Roads
- E&S Plans Reviewed
- General Permits Issued
- NPDES Permits Issued
- Envirothon
- Fish Habitat Structures
- In Class Education Programs
- Stream Bank 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

Funding brought to the County through Conservation District efforts: \$ 650,000.00

Contact Information

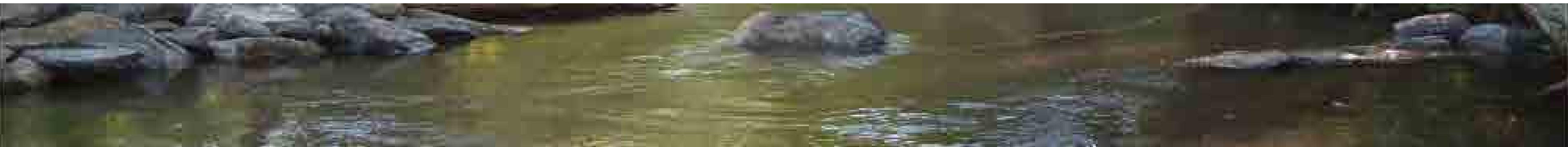
Heather Wilcox, District Manager
Barry VanOrd, Board Chairman

4000 Conewango Ave
Warren, PA 16365
814-726-1441

www.wcconservation.net

More Work to Do

- Administer Delegated Programs
- Conservation Education & Outreach
- Provide Technical Assistance
- Develop Conservation Education Opportunities at Hatch Run



Washington County Conservation District

2019 Feature Accomplishment



A lot of changeover within the Washington County Conservation District but the one constant is outstanding Agriculture Conservation. The Agricultural Conservation Technician coordinated and executed a very successful Field Days event. The event took place at the 2019 PACD Clean Water Farm Awardee's farm. The event consisted of guest speakers, a hands-on tour of the farm, fence building techniques, weeds identification, and discussion agricultural best management practices.

Other Accomplishments

All departments of the Conservation District remained busy throughout 2019. A new district manager, Dirt, Gravel and Low Volume Road (DGLVR) Technician, and Erosion and Sedimentation Technician kept the steady employees busy with constant internal training on top of their regular duties. Their regular duties included reviewing 73 General Permits under Chapter 105, 75 permit and plan reviews under Chapter 102, completed six DGLVR projects, approved funding for 10 additional projects across 11 municipalities, conducted Abandoned Mine Drainage Maintenance (AMD) at two different AMD sites, 27 Watershed monitoring and assessment site visits. Conducted over 150 site inspections for Agriculture, Chapter 102, Chapter 105, and DGLVR programs. Outreach included working with the landowners in the community at multiple events, training to municipalities, meeting with legislators at events and teaching students from seven different school districts throughout the county.



Funding brought to the County through Conservation District efforts: \$ 71,564.22

Contact Information

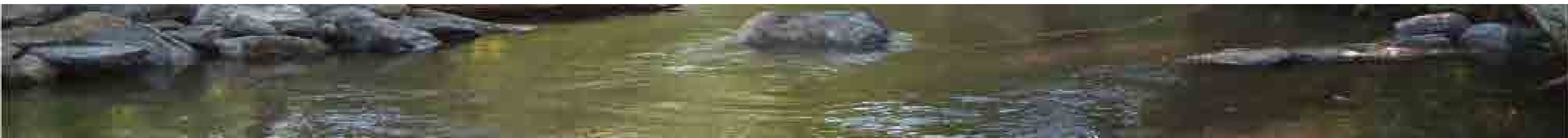
Todd Thornburg
District Manager

Bill Iams
Chairman, Board of Directors

50 Old Hickory Ridge Road,
Washington, PA 15301
724-705-7098
<http://pawccd.org/index.html>

More Work to Do

Washington County Conservation District still has much work to accomplish. Next year, a 5-year strategic plan will be published, more legislative outreach, better information technology and a constant workforce.



Wayne Conservation District

2019 Feature Accomplishment



2019 Wayne County Farm Tour

In September of 2019, the Wayne Conservation District, in partnership with SEEDS (Sustainable Energy Education Development & Support), WEDCO (Wayne County Economic Development Corporation) and PMVB (Pocono Mountain Visitor's Bureau), hosted a full day farm bus tour. A portion of the budget for this tour was provided by a 2019 PACD Mini-Grant. Five different farms were visited including The County-owned Farm; Highland Dairy & Calkins Creamery; Second District Vineyard & Hops Farm; Willow Wisp Organic Vegetable Farm; and Fertile Valley Diversified Beef Farm. There were approximately 75 attendees on the tour. It was very successful, and we plan to make it an annual event.

Other Accomplishments

2019 Cover Crop Reimbursement Program

The District Clean Water Fund reimbursed farmers for planting over-winter cover crops at a rate of 75% of their seed cost and offered a discounted no-till seeder rental rate. In 2019 a total of 182 acres were planted under this program and we reimbursed a total amount of \$5,232.56.

2019 Self-Guided Maple Tour

2019 Annual Wayne Conservation District Seedling Sale

2019 Annual Woodsmen's Competition

Various Dirt, Gravel and Low Volume Road Projects throughout the County

2019 Annual Pike -Wayne Envirothon



Contact Information

Jamie A. Knecht
District Manager

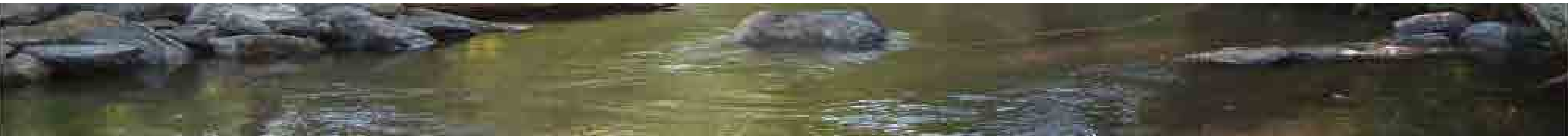
Pete Snyder
Board Chairman

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

www.wayneconservation.org

More Work to Do

In 2020 we are looking forward to the potential of being awarded grant funding to carry out a Conservation Camp and offset the cost for farmers to develop CNMPs in order to be eligible for more funding sources.



Westmoreland County Conservation District

2019 Feature Accomplishment



Since 2008, WCD has worked with local communities to retrofit their stormwater detention basins to detain more water for a longer period of time and provide greater water quality benefits. In 2019 alone, WCD completed the retrofit of seven basins in one municipality. Funding for this project was made possible with a PADEP Growing Greener Grant and contributions by our partner, the Municipality of Murrysville. WCD plans to work on additional basins in other communities in the near future.

Other Accomplishments

- Completed four manure management workshops, one agricultural E&S workshop, a soil health workshop, and a next generation farm summit, attracting more than 210 participants in total.
- Awarded eight Dirt, Gravel, and Low Volume Road Projects totaling more than \$319,000.
- Monitored for West Nile Virus at 71 locations and conducted spring and fall tick surveys.
- Completed a forest stewardship plan and made trail improvements in Ann Rudd Saxman Nature Park.
- Provided presentations to nearly 300 people on stormwater management for homeowners.
- Finalized the multi-year, \$300,000 Integrated Water Resources Plan for county approval. Also submitted the plan to DEP for review as our County's Act 167 Plan.
- Created and distributed 33 educational "No Mow Zone" signs as part of a riparian buffer education program.
- Received a 2019 Governor's Award for Environmental Excellence for the stormwater basin retrofitting educational video.
- Daylighted 700 feet of linear stream that had been in a tunnel for 100 years.
- Hosted 380 attendees at our annual Engineers' Workshop.

Funding brought to the County through Conservation District efforts: \$2,644,000+ since 2015

Contact Information

Gregory Phillips
District Manager

Ronald Rohall
Board Chairman

218 Donohoe Rd.
Greensburg, PA 15601
(724) 837-5271
www.wcdpa.com

More Work to Do

- Meet with 65 municipalities on passage of county's model stormwater ordinance.
- Participate in multiple community flood prevention programs.
- Ongoing water quality monitoring projects.



Wyoming County Conservation District

2019 Feature Accomplishment



Williams Atlantic Sunrise Pipeline

10 Counties

3,469.2 Total Disturbed Acres

193.98 Miles of Pipeline

In Wyoming County

378 Disturbed Acres

23.5 Miles of Pipeline

Williams 605 Compressor Station

Springville Meter Station

62 Inspections Conducted

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
- Special Projects Streambank Stabilization



Funding brought to
the County through
District efforts:
\$320,932.00

Contact Information

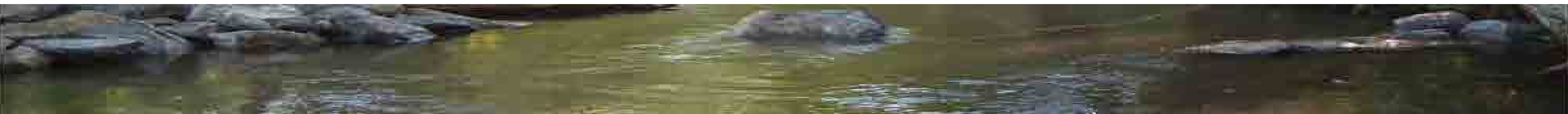
Doug Deutsch
District Manager

Dorne White
Board Chairman

21 Hollowcrest Complex
Tunkhannock, PA 18657
(570) 836-2589 ext. 406
www.wccdpaorg

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

2019 Feature Accomplishment



Low Volume Road Grant Project

Limekiln Alley, Wrightsville, PA

Low Volume Road (<500 car/day)

650 foot long "Green Alley"

Concrete wheel paths and pervious pavers

Subsurface rain water storage and infiltration

Excess runoff overflows into storm sewer system

\$37,280 LVR Grant

\$58,280 Total Project Value

Other Accomplishments

Initiation of Enhanced Water Quality Monitoring with USGS

The Ag Team has written 186 Ag E&S and Conservation Plans covering 6,953 acres so far in 2019.

Erosion & Sediment Control has had 283 Inspections, reviewed 115 Complaints, conducted 255 Plan Reviews and processed 82 Permits.

Education – We have coordinated four **Envirothon** events for over 1,000 students in 14 Districts for 3rd thru 12th Grades, hosted our **Annual Seedling Sale & Clay Shoot Fundraisers** to support educational efforts and engage sponsors & donors.

Watershed & DGLVRs has completed 9 Exelon Habitat Improvement Projects, 14 Dirt & Gravel Road Projects

11 Low Volume Road Projects, 1 Large Woody Debris Project, and Restored 1,000 ft. of the Codorus Creek Water Basin.



Funding brought to the County through Conservation District efforts: \$2.4 Million

Contact Information:

Mark Kimmel
District Manager

Jeffery Gossert
Board Chairman

118 Pleasant Acres Rd.

York, PA 17402

Phone (717) 840-7430

Website www.yorkccd.org

More Work to Do:

- Ag Team Planning backlog– 109 cooperators on 31,725 acres.
- Participate in York Land Preservation Committee
- Provide Conservation Education Technical Assistance & Financial Support