



YORK COUNTY CONSERVATION DISTRICT

Celebrating our 70th Anniversary



2018 Annual Report



The Lehmans check the growth of the Acer Rubin maples recently planted along their road frontage. Behind the new trees is the area of fields Rolla first put into alternating strip crops nearly a half-century ago.



One of the Lehmans' underground tile drainfields feeds crystal-clear water to the park-like backyard pond of a neighbor's adjoining property. Esther and Rolla admire the waterfall setting from the picturesque bridge.

Director Emeritus Rolla Lehman passed away in 2018. Rolla served on our Board from 1957 until 1979. Nineteen years as Vice Chair and three years as Chair. In 1993 his farm was presented with the Pennsylvania Chesapeake Bay Clean Water Farm Award. Fifty years prior to that Rolla and his wife Esther began farm conservation practices not yet fully appreciated by his neighbors. According to a newspaper article, “the Northern York County farmer began converting from the block-style fields, then common, to planting in strips. Since then, the kinds of practices he instituted on the rich, rolling farm ground near Dillsburg have become recognized as backbone programs of soil conservation.”



Rolla Lehman, II Director Emeritus with Conservation Manager Mark Kimmel

As District Manager, Mark Kimmel, puts it, “Rolla always said and showed by example his belief that conservation doesn’t cost, it pays.”

More of the Year in Review



A Message from our Chair & Manager

2018 proved to be another challenging year with record breaking rain, a booming economy, staff turnover and transfers, continued program changes and funding challenges.

With the flooding and wet weather, it was rather timely that we spent a significant amount of time this year participating in the Stormwater Authority Steering Committee, who worked on developing a proposal for an authority. The hope was that this effort would provide a coordinated, pay-as-you-go approach, vesting all of York County citizens, organizations and businesses in addressing this critical issue. While the future of an authority may be in doubt, the hard work and efforts put forth by so many community leaders will serve the community and the District well in the future.

As we've come to expect, the members of the Board continue to provide excellent leadership and commitment to guiding the mission of the District. This is much appreciated by all of the staff.

Our first significant part-time employee experiment was a resounding success and we plowed into our years-long planning backlog.

We received strong support from the Board of Commissioners as we begin to prepare for the retirement of Gary Peacock by moving Emily Neideigh into a new watershed tech position. And, with County Budget news comes approval of 4 new positions: 2 additional Ag planners, an Eng Tech for E&S and an Engineer to position us to accept the Post Construction Stormwater Management Delegation from PA DEP.

And finally some welcomed news on a future office space, as we begin plans to move to a building the County has located only a few miles away. Thank you Commissioner Byrnes and the Board of Commissioners! We will be glad to have a healthier work environment for our staff and will be busy planning and preparing for a move tentatively planned for late summer.

As we close out 2018, thanks to our tremendous Board for another great year of service to the York County Community. We work to help make York County better than we found it, for the benefit of present and future generations. Work that began more than 70 years ago.

We hope we can count on you for continued support of the District efforts in 2019 and beyond.



*Jeffrey L. Gossert, District Chairman
(at left)*



*Mark Kimmel, District Manager
(at right)*

District Staff

District Manager - Mark Kimmel
Assistant Manager Administration - Jennifer Risser
Administrative Specialist/Financial Coordinator
- Christina Dehoff
Administrative Assistant II - Robin Sharp
Administrative Assistant - MJ Serrano
E&S Resource Conservationist/
Program Manager - Eric Jordan
E&S Resource Conservationist/
Network Administrator - Robert Fetter
Engineering Technician II - Tiffany Crum
Engineering Technician I - Zachary Fry
Engineering Technician I - Tom Smith
Senior Ag Resource Conservationist - Mark Flaharty
Ag Resource Conservation Specialist I - Joe Rebert
Ag Resource Conservation Specialist I - Brita Runkle
Ag Resource Conservation Specialist I - Michele Grove
Ag Resource Conservationist P.T.—Jim Myers
Watershed Specialist - Gary Peacock
Watershed Technician—Emily Neighdeigh
Education/Communication Coordinator - Kim J Young



York County Commissioners 2018

President, Susan Byrnes (C)
Vice President, Doug Hoke (R)
Christopher Reilly (L)



Board Members photographed at Annual Awards Picnic, August 2018

Standing L-R: Keith Eisenhart, Michael Flinchbaugh, Dan Innerst, Harry Bickel, Rochelle Black, Beth Lucabaugh, Gordon Brown, Jeff Gossert, Travis Sherman

Sitting L-R: Jack Dehoff, Jackie Kramer, Commissioner Susan Byrnes, Kenyon Miller, John Riedel

Absent: Jim Rexroth, Randy Craley, Dan Paulus, Leroy Bupp, Bruce

Conservation District Directors 2018 Officers:

Chairman Jeff Gossert, Vice Chairman Travis Sherman

Treasurer Michael Flinchbaugh, Assistant Treasurer Gordon L Brown

Directors: Commissioner Susan Byrnes, Jack Dehoff, Kenyon Miller, Travis Sherman, Jim Rexroth

Associate Directors: Randy Craley, Leroy Bupp, Bruce Holbrook,
Jackie Kramer, Beth Lucabaugh, John Riedel, Rochelle Black, Dan Innerst, Dan Paulus

Directors Emeritus: Ellis Crowl, Rolla Lehman, Keith Eisenhart

Director's State & National Involvement

We are fortunate to have tremendous leadership from our Board of Directors, with several of them active on the state and national level. **Director Jack Dehoff**, below left, serves on the PACD Conservation Committee.

District Treasurer Michael Flinchbaugh, below right, continues to serve as a farmer member of the PA State Conservation Commission (SCC) and was elected Vice-Chair for 2017/2018.



Manager, Mark Kimmel, at left, serves on the PACD District Operations Committee and PACD Managers Advisory Committee.

Pennsylvania Envirothon News

The District's **Education & Communication Coordinator, Kim Young**, far right, continues to serve as an Associate Board member for the state Envirothon as well as serving on the state's Current



District Finances: The audit of the Conservation District accounts for the calendar year of 2018 will be available at the Conservation District office.



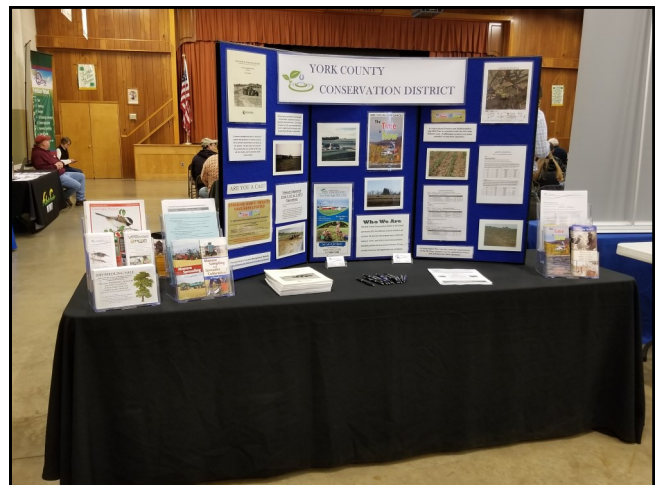
Photo on right: Administrative Specialist/Financial Coordinator Christina Dehoff, Assistant Manager Administration, Jennifer Risser, far right

The mission of the York County Conservation District is to protect and improve the natural resources of York Coun-

Capital Resource Conservation and Development Area Council (RC&D)

The Capital RC&D Area Council builds partnerships of concerned citizens, businesses, agencies and organizations to work together improving the quality of life within the seven county area: Adams, Cumberland, Dauphin, Franklin, Lancaster, Lebanon and York. The District has three representatives serving on the RC&D board: Travis Sherman represents the District Board of Directors, Nedette Otterbein is County Commissioner Representative, and Patricia Devlin, Dillsburg, is a member-at-large. Patricia Devlin has served as Council President, and when her term ends this year Pat has agreed to stay on as an alternate member. Jim Myers, current part-time employee with the District, was appointed as member-at-large. Capital RC&D Council consists of volunteer representatives from local government, conservation districts, business, development organizations, nonprofit groups and individuals.

This council of 21 volunteers initiates and directs program activities. Projects are selected by evaluating local needs that promote conservation of our natural and community resources. The council provides the selected projects with necessary tools, such as technical expertise and assistance in locating funds. Resource Conservation & Development projects can focus on land conservation, water management, community improvements, alternative energy applications, recreation and tourism, forestry resources, recovery/recycling, rural economic development, as well as public information and education. We contracted with Capital RC&D to assist with the tillage survey in York County.





Ag Resources

2018 Agricultural Conservation Program Accomplishments

- Wrote conservation and grazing plans on 234 tracts covering 9,123 acres.
- Implemented conservation plans and practices on 1,686 acres.
- Contracted \$ 9,300 to install best management practices on a horse farm in York Township. Will install stream fencing, stream crossing and watering troughs as part of a grazing system with funding provided by the York County Community Foundation and PPL Brunner Island monies. Construction began but was delayed by rainy weather.
- Provided educational opportunities to farmers, cooperators, and the general public about the York County Conservation District ag program and manure management planning. Staff took displays and handouts to the following four events: the York County Crops Day, the Ag Recognition Banquet sponsored by the Ag Business Council, the 4-H Fair and the South Central PA Cattleman's Banquet.
- District staff published two articles on Pasture Management in the District newsletter and one article explaining the changes to Standard Animal Weights to be used in the Nutrient Management Program.
- Provided support for the REAP program administered by the PA Dept. of Agriculture. Performed four Ag E&S and Manure Management plan verifications for program applicants.
- Continued to support the agreement with DEP and the York County Solid Waste and Refuse Authority to monitor the Land Application of Biosolids program. Assisted with the monitoring of farms for conservation compliance and



Verifying soil type for conservation planning purposes (at left). Residue management, tillage and crop rotation are key considerations in conservation planning (above center). Diversions shorten slope length and reduce erosion (above right).

- Assisted the District E&S staff with implementing the Agriculture Complaint Handling Guidelines. This includes Ag E&S and manure complaints, site visits, and plan reviews.
- Continued participation with PACD and NRCS on a Contributory agreement to support District ag staff. We completed first full year of the agreement, earning \$26,135 for providing conservation planning and tech assistance.
- The District increased assistance to the ag community hiring a part-time planner- Jim Myers- retired from NRCS.
- The Senior Ag Resource Conservationist participated in the York County Bay WIP (Watershed Implementation Plan) development process.
- Ag Team incorporated the Practicekeeper Program and database into our daily work routines. We are using the Nutrient Management module for program documentation and reporting and are starting to complete Ag E&S plans in the Planning module.

2018 Nutrient Management Act Program

The York County Conservation District is delegated by the State Conservation Commission to oversee Pennsylvania's Nutrient Management Act (Act 38) in York County.

Active plans on file:

- 32 current Act 38 Nutrient Management Plans (NMP) are on file in York County.
- 12 are on file for Concentrated Animal Operations (CAOs) in York County.
- 13 are regulated as Concentrated Animal Feeding Operations (CAFOs) and CAOs.
- Two plans are for Concentrated Animal Feeding Operations (CAFOs) only (not a CAO).

An additional, five plans are for Volunteer Animal Operations (VAOs). These operations are not required by Act 38 regulations to have an approved plan, but voluntarily choose to do so.

Annual Status Reviews:

- Under Act 38 regulations all CAOs are required to have an annual review conducted to determine if they are in compliance with the regulations. Twenty-six (26) Nutrient Management Plans received status reviews in 2018.

Under Act 38 regulations, VAOs are required to have an annual status review completed every three years. One VAO received a status review in 2018.

NMP Plan Reviews and Approvals:

In 2018, 16 Nutrient Management Plans were received for review by the District.

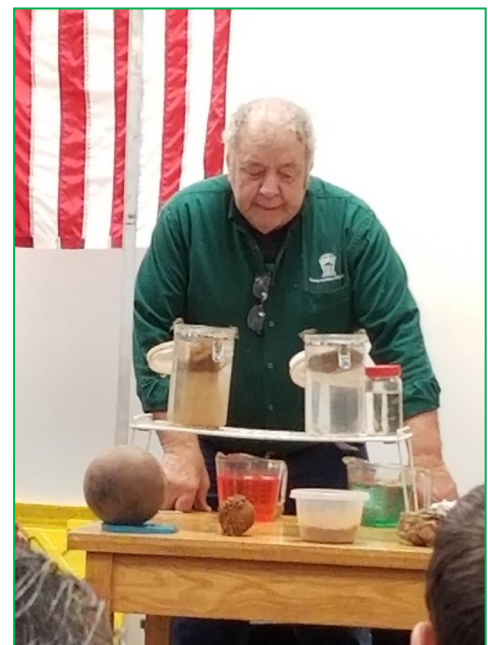
- 14 plans were updates for existing CAO or CAFO plans.
- One plan was for a new CAO.
- One plan was for new a VAO.
- Three plans written by our ag staff (for certification requirements) for new VAOs were submitted to Lancaster County Conservation District for review.
- 17 Nutrient Management Plans were approved by our YCCD Board of Directors in 2018. Two plans are still under review.

Educational Activities

As part of our Pennsylvania Nutrient Management and Manure Management delegated responsibilities, the District provided the following outreach and educational activities:

- Article in YCCD's "Conservation Horizons" Spring Newsletter on the Standard Animal Weights Changes.
- Displays with Manure and Nutrient Management Planning materials (brochures & manuals) at the following events:
 - York County Crops Day on January 24 - 75 attendees and 30 vendors.
 - South Central PA Cattleman's Banquet on March 22 with 70 attendees.
 - York County Agricultural Recognition Banquet on March 29 - 400 attendees.
 - York County 4-H Fair on August 8-12 - over 500 attendees with about 100 farm families participating.

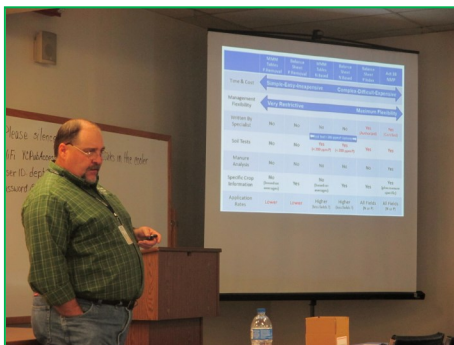
York District Associate Director, Leroy Bupp, shared several soil demonstrations at the Penn State Ex. Soil Health & Cover Crops Workshop on December 17th. (at right)



Educational Activities continued

Educational presentations at the following meetings:

- York County Ag Land Preservation Public Meeting on December 14 - 50 attendees. Presentation included Chapter 102 & 91 regulations and which plans are required.
- Penn State Extension “Soil Health and Cover Crops Workshop” on December 17th had 34 attendees. Presentations included the benefits of manure to soil health, benefits of manure versus inorganic fertilizer, and the requirements if utilizing manure as a nutrient source. The focus was on manure application setbacks, winter spreading restrictions and in-field stacking. Handouts distributed included the “Overview of Manure Management Guidelines for PA Farmers Generating or Using Manure” and the “Pennsylvania Manure Application Setbacks and Requirements”.
- Manure Management Plan Writing Workshop on March 2. Attendance was 22 people representing 16 farming operations. Staff presented manure management principles and assisted attendees with writing their Manure Management Plans in a step by step process. Participants reported that six (6) Manure Management Plans were completed for 142 acres with eight (8) others expecting to complete their plans within 6 months.



Senior Ag Resource Conservationist, Mark Flaharty, guides attendees through manure application rate planning decision (left). Michele Grove, Ag Resource Conservation Specialist I, provides individual assistance to Manure Management Plan Workshop participants (center). Participants complete step-by-step portions of their Manure Management Plan (right).

- In order to obtain certification and keep informed on current nutrient management issues, Ag Staff members attended trainings throughout the year. Joe Rebert and Brita Runkle completed the requirements of writing and reviewing NMPs to receive final Nutrient Management Public Review (NMPR) certification. Michele Grove remains provisionally certified, but wrote a NMP toward the requirements for final certification.
- Ag staff worked with two individually certified nutrient management specialists (certified by PA to write plans

2018 District Cooperators:

David Baker, N. Hopewell Twp.; Randy Hoffman, Franklin Twp.; Michael Saylor, Warrington Twp.; Gerald B. Conrad, Windsor Twp.; Daniel Byrnes, York Twp.; William J. Foehlinger III, Hellam Twp.; Jacob Stoltzfus, L. Chanceford Twp.; Clair Klinedinst, N. Hopewell Twp.; Richard Gottshall, Windsor Twp.; Steven Forry, Newberry Twp.; Eric Gemmill, Peach Bottom Twp.; Melodee S. Sherwood, L. Windsor Twp.; DeeAnna Veilleux, N. Hopewell Twp.; Brock Ickes, N. Codorus Twp.; Aaron S. Lapp, Fawn Twp.; Felix Edem, York Twp.; Glenn F. Cunningham Jr., Chanceford Twp.; Shawn J. Clasing, Shrewsbury Twp.

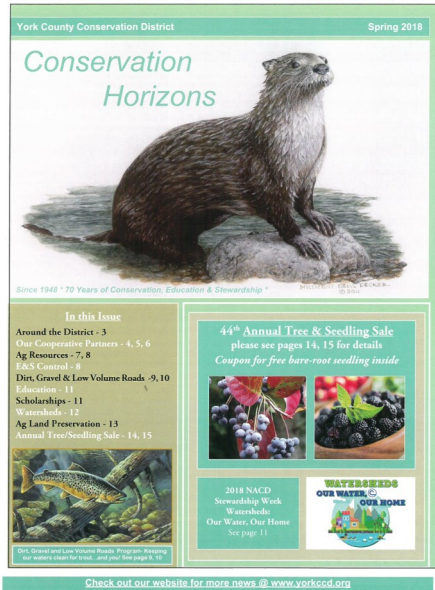
District Ag staff (L-R): Ag Resource Conservation Specialist I, Joe Rebert; Ag Resource Conservation Specialist I, Senior Ag Resource Conservationist, Mark Flaharty; Michele Grove; Ag Resource Conservation Specialist I, Brita Runkle; P.T. Ag Resource Conservation Specialist, Jim Myers





Education & Communication

Our full-color, magazine-style newsletter, **Conservation Horizons**, is mailed to over 8,000 homes & businesses 3 x/year. Featured articles this year included a three-part series on Pasture Health & Maintenance, The Envirothon programs, Dirt, Gravel & Low Volume Roads, Watersheds, Stormwater Authority Proposals, Celebrating our 70th Anniversary, Train-



Scholarship Recipients:

Sean Lauer (at right) is currently pursuing a Wildlife Technologies associate degree at Penn State Dubois before moving on to main campus for a bachelor's degree in Wildlife and Fisheries Science. He also plans to pursue a master's degree in the same subject. His goal is to be a wildlife biologist. Sean is not only academically gifted but skillfully involved in community outreach and research activities for Penn State's Wildlife Technology Program. He is also an Eagle Scout and former long-time Envirothon student.



Nicole Guise (bottom right) is a third generation dairy farmer attending Penn State's Schreyer Honor college majoring in Agricultural Sciences and Extension Education. She is a member of their AgSci Club and Graham Center of Entrepreneurial Leadership. Nicole, a former Envirothon and 4-H student. She had shown 4-H - showing dairy cows for eight years - placing nationally in both Kentucky and Wisconsin. She attended the National 4-H Congress in Atlanta, and represented Pennsylvania 4-H at the National Student Ag Day in Washington. Nicole is also a former York County Dairy Princess, using much of that time to educate the public in energy, carbon emissions and storm-



What do black angus cattle, cecropia & luna moths, and free-range chickens all have in common? Well, this year they all played a role in another successful season of York County Envirothon Events! If diversity is the key to the stability of all of our natural ecosystems, then diversity of Envirothon study resources strengthens the knowledge of our Envirothon students. The Envirothon - which is now international - is the largest and longest-running environmental high school competition in North America. Since we offer events beginning in the 3rd grade, we had over 1,000 York County students on 188 teams studying & competing in extracurricular Aquatics, Environmental Current Issues, Forestry, Soils & Land Use, and Wildlife. Today, more than ever, appreciating and understanding science is a necessary and crucial life skill. With a huge nod to our sponsors we wish to thank you and assure you that the Envirothon will continue to provide students with the critical thinking skills necessary to make informed conservation



deci-
school,
and -
portant
become

Trophies were awarded to the three top-scoring individual shooters: Dale “Chip” Wertz (1st), Rick Myers (2nd), Patick Byrnes (3rd), Joe Rebert (4th), Scott Wertz (5th). The North Mountain team took high score for the third year in a row. New this year: A single High-Score trophy was awarded and it is no longer a traveling trophy. Trophies were awarded to the top five shooters rather than the top three. We eliminated the Ladies High-Score trophy. The top youth shooter was Hunter Jordan. A Novice Trophy was awarded to Michelle Madzellan, and our gun raffle was won by Phil Rhorbaugh. Certificates were awarded to the top shooters in 6th – 10th place.

2018 Envirothon Sponsors

BALD EAGLE PLATINUM LEVEL (\$5,000.00) Sponsor: Aquatic Resource Restoration Company (ARRC)

ELK SILVER LEVEL (\$1,000.00 & up) Sponsors: Covanta York, Glatfelter, Izaak Walton League Chapter #67, Jefferson Sportmen's Assoc., Mr. & Mrs. Randy Byrnes, York County Solid Waste Authority, York Excavating LLC.

BROOK TROUT BRONZE LEVEL (\$500.00 & up) Sponsors: Adams Electric Cooperative Inc., C.S. Davidson, Inc., Exelon Generation & Peach Bottom Atomic Power St., Republic Services; Rotary Club of York-PPE Committee, Spring Grove Area School District, Santac, Stewart & Tate, Inc., York Audubon Society, York Water Company.

MOUNTAIN LAUREL PATRONS (\$250.00 & up): Adhesive Research, Inc., Bruce Holbrook, Deanna & Francis Velazquez, Dehoff Farms, LLC, First Capital Engineering, Inc., Glatfelter Insurance Group, H. Edward Black & Associates, Hively Landscapes, Mr. & Mrs. Carroll L. & Linda Missimer III, Northeastern School District, PTO Southern Elementary, Shrewsbury Elementary, Sinking Springs Elementary PTO, Spoutwood Farm Center, Tammy Grove, W. Craig Adams, Inc., Wolf Farms, Inc., York Township

RUFFED GROUSE PATRONS: Bottom Line Contracting, Inc., Carol Park, Stony Brook PTO, David Leese, Delta Peach Bottom Fish & Game Assoc., Ellis Crowl, Friends of Chris Reilly, Environmental Concepts Landscaping, Gordon L. Brown and Associates, Inc., Grim Trophy and Gifts, Heather A. Raul, Joy Howell, Keith Eisenhart, Keller Brown Insurance Service, Ken Sheffer, Leo & Marjorie Rutter, Lucy Kniseley, Miller Plant Farm, Patricia Sueck, PTO North Hills Elementary, Shiloh Garden Club, Stauffers of Kissel Hill, Stewartstown Elementary PTA, T.C. Warehousing Inc., Travis & Christine Sherman, Water Body Builders, Windsor Township.

Cooperating Agencies & Volunteers: York County Parks & Recreation Dept., York County Planning Commission, Pennsylvania Game Commission, Penn State Cooperative Extension, Natural Resource Conservation Service, Department of Conservation & Natural Resources, PA Department of Environmental Protection, PA Fish & Boat Commission, USDA-NRCS, York County Conservation District, York County Solid Waste Authority, York Water Company, and individual volunteers Amy Slagel, Jill Oles, Beth Lucabaugh, Judy Grove, Kim Richard, Kelly Arcieri, Nancy Heiser, Blaine Snyder and PA Game Commission WCOs Justin Ritter and the PA Fish & Boat Commission's WCO Darrin Kephart.

This year's Non-Testing Stations were presented by Ryan Bridge—The Bug Man, Heritage Creek Farm, and the York County Master Watershed Stewards.



Samuel Zink was awarded the \$500.00 Paul Wilson Conservation Award for 2018, presented by Don Robertson of the Izaak Walton League at Kennard Dale High School Awards night.



YCCD Education & Communications Coordinator, Kim J Young (below)



Annual Conservation Awards Picnic

Our 2018 Conservation Awards Picnic was held at Rocky Ridge Park on Tuesday, August 9th. The following were recognized for their contributions to conservation during an evening of catered dinner and fellow-

Outstanding Environmental Educator—Lindsay Gerner

Outstanding Environmental Educator—Mindy Waltemyer

Outstanding Watershed Steward—Dover Twp. Wastewater Treatment Plant staff



Lindsay Gerner (above center) with Associate Director Beth Lucabaugh (L), Commissioner Susan Byrnes (R)

ship.

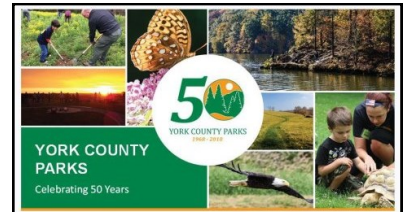
Above left: Commissioner Susan Byrnes, Representative Keith Gillespie, Mindy Waltemyer, Commissioner Doug Hoke; Above center: the staff of the Dover Township Wastewater Treatment Plant

Dirt, Gravel & Low Volume Roads Cooperator—Gerald Shue

Outstanding Conservation Farmers—Brook Run Farms, Keith & Ryan Hoover

York County Clean Water Farm Award—Belview Valley Farm LLC, Eric Gemmill

In Special Recognition of the 50th Anniversary of the York County Parks

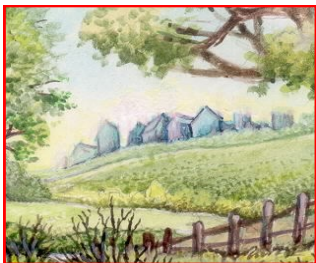


Above right: Carrie Nace (for Rep. Kate Klunk), Gerald Shue, Director Gordon Brown; Above center: Commissioner Doug Hoke, Director Michael Flinchbaugh, the Hoover Family, Rep. Stan Saylor (in back); Above right: The Eric Gemmill family.

Our annual Seedling Sale marked it's 44th year in 2018.

Sales this year totaled \$36,058 with a profit of \$13,026 from the 567 orders. The profit will be used for the District's educational programs as well as discretionary expenses. Again this year, over 20,000 seedlings were sold, including favorites such as the Fraser fir and white-flowering dogwood varieties. We offered a coupon on our website redeemable for a free bare-root white pine seedling. An estimated 800 seedlings were donated to the York County Parks Department for planting on the hillside behind the boat rental area at Lake Redman, which had previously been overgrown with invasive species. In addition, Keep York Beautiful received several hundred seed-





Erosion & Sediment Control

PROGRAM ACCOMPLISHMENTS for Pollution Control and National Pollution Discharge Elimination System (NPDES)

With a booming economy and historic record rainfalls, 2018 was an exceptionally busy year in the E&S/NPDES program. The E&S Team was comprised of Eric Jordan, Robert Fetter, Tiffany Crum, Emily Neideigh, Meghan Anderson, and two administrative staff, Robin Sharp and Alexia Woodard. 2018 also brought a number of E&S staff changes as Emily Neideigh transferred to our District's watershed program as our new Watershed Program Technician, Meghan Anderson took a position with a local civil engineering firm, and Alexia Woodard relocated out of the area. The E&S team welcomed Zach Fry as Emily's replacement and Tom Smith as Meghan's replacement, both in the Engineering Technician I positions. We also welcomed back MaryJean Serrano as our Administrative Assistant. The E&S team continued to review E&S plans, process NPDES permits, and provide an active field presence to ensure that Best Management Practices were fully implemented on the ground. The District continued to administer the E&S/NPDES program at Level III of the PA Department of Environmental Protection (DEP) delegation agreement. Level III includes reviewing E&S plans, processing NPDES permits, investigating complaints, conducting educational workshops, site inspection



Above right: Rob Fetter & Tom Smith; Above center: E&S Team standing—Engineering Tech I Tom Smith, Engineering Tech I Zachary Fry, E&S Resource Conservationist/Network Administrator Rob Fetter, E&S Resource Conservationist/Program Manager Eric Jordan, Seated—Administrative Assist. II Robin Sharp, Administrative Assist. MJ Serrano, Engineering Technician II, Tiffany Crum; Above right: Zachary Fry & Eric Jordan

The following is a summary of the E&S team's activities for 2018:

- Conducted 822 site inspections, pre-construction meetings, site meetings, plan review site visits, and status checks.
- Investigated 179 new complaints.
- Due to lack of voluntary compliance, 4 sites resulted in an enforcement action.
- Reviewed 222 new and 100 revised plans affecting 8,056 project acres and 2,135 disturbed acres.
- Processed 115 General NPDES permits.
- Issued 101 new General NPDES permits.
- Processed 9 new Individual NPDES permits.
- Renewed 30 General NPDES permit and 1 Individual NPDES permit.
- Staff attended 27 formal pre-application meetings with DEP, developers, and engineers to proactively identify and address any issues prior to submittal of NPDES permit applications.
- Staff attended 179 engineer meetings related to informal pre-application meetings and to discuss and resolve administrative/technical review comments generated during our plan reviews.
- Staff continued to foster a working relationship with the County's 72 municipalities.

E&S team's activities for 2018 continued:

- Rob continued to assist Gary Peacock, Watershed Specialist, with education and administration of the Dirt & Gravel – Low Volume Road program through August.
- Rob continued to participate and attend the York County GIS Advisory Council meetings.
- Rob continued to help with District Website updates and attended meeting with Jen Risser – Assistant Manager on developing a new District Website.
- Eric & Zach attended DEP Annual Fall 102 Training held at the DEP Southeast Regional Office in Norristown, PA.
- E&S staff attended PracticeKeeper Agriculture Module training.
- Eric & Emily presented 1.5-hour E&S BMP PowerPoint presentation to 10 employees of Burkentine & Sons Builders, Inc.
- Eric and Tiffany presented and Zach attended 2-hour E&S BMP Power Point presentation to 8 employees of R.J. Fishers & Associates.
- Eric presented a 15-minute PowerPoint presentation to 30 attendees at Representative Stan Saylor's Local Elected Officials' meeting.



Above: Steep slope has been hydro-seeded and mulched.



Above: Skimmer sediment basin with forebay capturing sediment from a residential subdivision under construc-

- Eric presented 1.25-hour long E&S BMPs for Linear Underground Utility Lines to 18 employees of Bucharth-Horn.
- Eric, Rob, Tiffany, and Zach attended DEP Access and Entry training held at DEP Southcentral Region Office in Harrisburg.
- Zach and Meghan attended 3-day Army Corp. of Engineers Basic Wetlands Identification training in Somerset County.
- Tiffany and Zach attended Natural Resource Conservation Service (NRCS) survey training at the Lebanon Agricultural Center.
- Zach attended Natural Resource Conservation Service (NRCS) Hydraulic training at the Lebanon Agricultural Center.
- Eric attended 4 York County Coalition for Clean Waters meetings.
- Zach and Tom attended PA OneStop Ag E&S Mapping & Planning training hosted by York County Conservation District.
- Eric, Rob, Tiffany, Zach, and Tom participated in 1.5 hour long DEP Managed Release Concept webinar.
- Zach attended DEP Engineer General E&S, Sediment Trap, and Sediment Basin design trainings held at DEP SCRO.
- Eric attended Watershed Implementation Plan (WIP) meeting and York County WIP Steering Committee meeting at York County Planning Commission.



Watershed Program Activities 2018

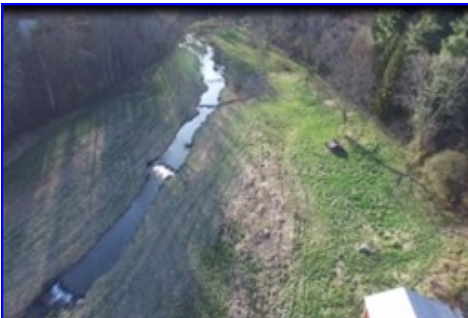
York County's water resources and watershed program continues to be a high priority for the Conservation District.

The Conservation District's Watershed Specialist is a resource to both the public and private sectors, providing technical, informational and organizational assistance that will improve watershed organization development and the quality and quantity of the Commonwealth's surface and groundwater resources. The focus of this work relates to watershed assessment and monitoring, procurement of funding, technical assistance, education and outreach, and the creation, implementation and coordination of work plans and strategies to restore and protect groundwater and surface water

re-

Technical Assistance

- 30 HELP-Streams (Headwaters Environmental Legacy Program) assessments and recommendations made to private and public landowners.
- 8 Flood recovery assessments and recommendations made to private and public landowners.
- 5 Stormwater residential assessments and BMP recommendations made to private landowners.
- 1 Pond assessment and recommendation made to a private landowner.
- 2 Large Woody Debris projects in progress.
- 2 Large Woody Debris sites surveyed for potential projects.



Above left: Aerial view—West Branch Tom's Run Pre- 08/31/18 Flood; Above center: Ground view—West Branch Tom's Run during the 08/31/18 Flood; Above right: Aerial view—West Branch Tom's Run after 08/31/18 Flood with overlay.

Watershed Planning, Restoration, and Protection

- Completed the Chesapeake Bay Special Project Fund grant Riparian Forest Buffer Inventory , including a desktop survey of streamside riparian buffer quality and quantity and field verification, and submitted to DEP (see 2018 Feature Accomplishment).
- Assisted York County Planning Commission (YCPC) with preparing York County's Watershed Implementation Plan (WIP) Phase III in support of Pennsylvania's Chesapeake Bay Agreement restoration goals.
- Assisted YCPC with updating the county's Hazard Mitigation Plan and York2045 Transportation Plan.
- Assisted the Watershed Alliance of York (WAY) with achieving its watershed-based planning, restoration, and protection mission and goals.
- Assisted the Red Lion Municipal Authority's (RLMA) Steering Committee with the implantation of its Source Water Protection Plan.

Watershed Planning, Restoration, and Protection continued.

- Lead the way for York County and its partners in developing and estimating costs of a water quality monitoring program to establish baseline water quality and demonstrate long-term regression trends of improving water quality, through reduced sediment and nitrate nitrogen loads, removing stream impairments, quantifying local municipal stormwater and agricultural Best Management Practices cost-effectiveness and efficiency, in hopes of saving York Countians millions of dollars.
- Assisted the York County Economic Alliance (YCEA) and partners with the vision and scope of the Codorus Beautification Initiative with the goals of improving community access, economic opportunities, and environmental quality of Codorus Creek in the City of York.
- Received 14 Exelon Habitat Improvement Project applications; 2 EXHIP contracted projects were completed, and \$71,747 grant money spent.
- Assisted YCPC with the York County Stormwater Authority development and public participation.
- Supported local Watershed Organizations (25) with financial and technical assistance.
- Our Watershed Department grew by 100 % with the hiring of Emily Neideigh, Watershed Technician!

Dirt and Gravel Road Environmentally Sensitive Maintenance

- 11 contracts awarded for a total of \$726,211.35 grant requested.
- 4 contracts completed for \$352,801.77 grant money spent.
- 2.4 miles of dirt and gravel road environmentally sensitive maintenance.
- 5,747 tons Driving Surface Aggregate (DSA) applied; 1,727 tons fill added.
- 2 Stream crossings replaced; 3 circular culverts installed; 15 cross pipes installed.
- 142 yd² French mattress constructed; 4,160 ft. of select thinning pruning.
- 9 municipalities engaged.

Conservation District Dollars Brought to York County

- \$368,820 Dirt & Gravel Road Program
- \$254,981 Low Volume Road Program
- \$225,000 Exelon Habitat Improvement Program
- \$66,000 Conservation District Watershed Specialist Position

Education & Outreach

- >500,000 Effective public education and outreach through multi-media: Conservation Horizons newsletter; Conservation awards picnic; WAY E-News; educational programs; exhibits and displays at public events; public presentations; radio talk show; website; 10 Watershed Weekend venues; e-mail; Facebook; and other local media contributions.
- Partnered with PA Audubon (300 youth reached), Girls Adventure Club (300), York County Envirothon (1000+), and other programs to educate students.
- Held 11th rain barrel workshop at Nixon Park, with 24 par-



Ferguson and Devers elementary schools during Learn, Explore, Restore Your Watershed (Kiwanis Lake) with PA Audubon.



Above left: Pleasant Valley Road before improvements

Above right: After environmentally sensitive maintenance

Low Volume Road (<500 vehicles/day) Environmentally Sensitive Maintenance

- 6 contracts awarded for a total of \$461,827.16 grant requested.
- 3 contracts completed for \$176,185.39 grant money spent.
- 2.14 miles of low volume road environmental sensitive maintenance.
- 1 stream crossing installed; 2 cross pipes installed; 275 ft² underdrain added.
- 13,802 ft² Full Depth Reclamation of road base; 13,802 ft² paved surface sealed.
- 3 municipalities engaged.
- Watersheds: 1 Yellow Breeches; 1 Conewago; 1 Kreutz/Muddy.



Above photos: First Low Volume Road Project in Monaghan Township, Culvert Replacement.

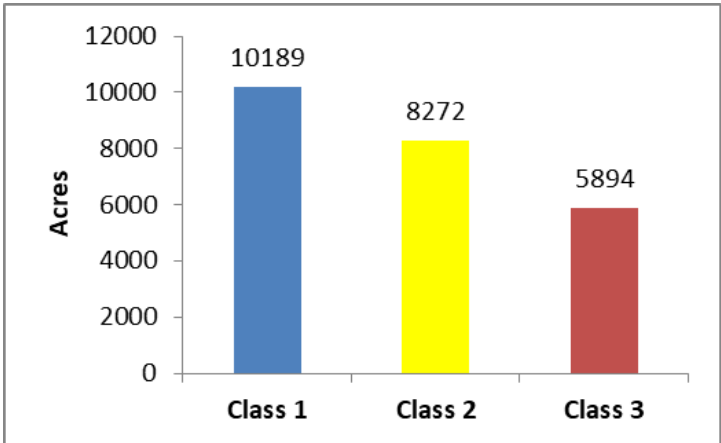
2018 Feature Accomplishment: Riparian Forest Buffer Inventory

- Resource Challenge – The purpose and scope of the Riparian Forest Buffer (RFB) Inventory was to qualify, quantify, verify, and document existing RFBs in order to get it incorporated into the Chesapeake Bay Program's Model 6.0 to improve its accuracy and reduce York County's Total Maximum Daily Load (TMDL) requirements for Total Nitrogen, Total Phosphorous and Total Suspended Sediment.
- Continued on next page* →



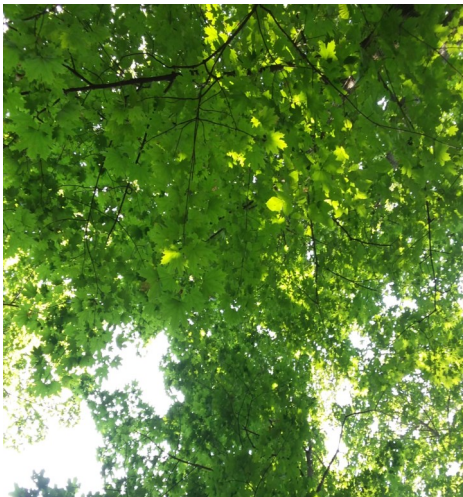
Featured Accomplishments continued:

- Project Summary and Results – Riparian buffers are forested or grassed linear areas located along rivers and streams that help filter nutrients, sediments, and other pollutants from entering adjacent waterbodies. The recommended buffer width for riparian forest buffers is 100 feet, with 35 feet being the minimum width required. The desktop survey of 2,039 streams (1,648 stream miles) qualified and quantified a total of 24,357 acres of riparian streamside buffers county-wide. Agricultural and urban RFB acres were 18,038 and 6,318, respectively. Of these RFB acres, 10,189 acres were Class 1 RFBs (i.e., 100 ft. wide; >60% canopy cover) and 8,272 acres were Class 2 RFBs (i.e., 100 ft. wide; <60% canopy cover). Additionally, 5,894 Class 3 RFBs were identified. These data will be useful to the Department of Environmental Protection (DEP), YCCD, and other partners targeting additional RFB planting projects going forward.
- Key Project Partners – Mackenzie Mills, intern from Bloomsburg University, who completed a significant portion of the desk top survey and data entry. York County Planning Commission for the creation of the paper map atlas. Funding to complete the inventory was provided by DEP’s Chesapeake Bay Program’s Special Project Funding Program grant. The grant was administered by YCCD.



Above left: Riparian forest buffer inventory desktop survey for stream segments. Green highlighted stream segments were classified as Class 1 RFBs, yellow Class 2, and red Class 3.

Above right: Total number of acres for each buffer class identified in York County's Riparian Forest Buffer Inventory.



Above left: Class Buffer 1

Above center: Class 1 Canopy Cover

Above far right: Class 3 Buffer

At right: Class 3 Canopy Cover



York County Agricultural Land Preservation Board

"It shall be the mission of the York County Agricultural Land Preservation Board to protect York County's agricultural resources through the preservation of economically viable farms and the creation and maintenance of stable agricultural communities."

News and Accomplishments for 2018:

- YCALPB welcomed Dolores Krick of Lower Chanceford and Ed Livingston of Dover Township to the Board in 2018 for three year terms.
- YCALPB Agricultural Conservation Easement Purchase Program received Recertification Approval for another 7 year period on August 9, 2018 from the PA Ag Land Preservation Board.
- York County continues to rank 3rd in Pennsylvania in terms of acres of farmland preserved through Pennsylvania's Ag Conservation Easement Purchase Program.
- Since program establishment in 1989, the York County Agricultural Land Preservation Board has preserved 285 farms, covering 42,439 acres of productive farmland.
- Board and staff received a total 43 easement applications on 4,525 acres offered for farmland preservation with 28 qualifying applications ranked, covering 2,591 acres.
- Program inquiries totaled 25 on 2,115 acres.
- The York County Agricultural Land Preservation Board selected 3 farms for preservation, covering 618 acres.
- Staff conducted annual inspection visits on 151 farms, covering 26,421 acres of productive farmland.
- YCALPB staff conducted 4 Municipal Agricultural Security Area reviews, in cooperation with YCPC and Municipal Officials. In total, 74 Resolutions were reviewed by ag staff, involved 726 parcels on 36,777 acres. Also in cooperation with York County Planning Commission, mapping updates of the GIS layers involving conservation easements and agricultural security areas continued.
- The York County Agricultural Land Preservation Program conservation requirements contributed to York County's conservation planning efforts on 11 tracts, covering 1,452 acres.
- The York County Board of Commissioners certified \$284,707 for farmland preservation, resulting in a \$ 1,493,652 match from the State for local preservation efforts.
- The YCALP Office, with Conservation Partners, hosted a "Preserving Your Farm" Workshop on December 13, 2018 with 48 in attendance

Continued on next page



The Wilt Farm

York County Agriculture Land Preservation Board continued.

- YCALPB and staff continued to work with the York County Planning Commission and FNLT to develop a Land Preservation and Protection Strategy Plan.
- YCALPB is a member of the PA Farmland Preservation Association with staff serving on the Policy Committee and attended 1 state association meeting, and Hosted the May 2018 PA Farmland Preservation Association State Conference on Ken and Deb Snyder's preserved farm in Dover Township.
- YCALPB is a member of the York County Agriculture Business Council and assist with Council events such as Ag Exchange, Revs Ag Night, Ag Education Center at the York Fair, and the Ag Recognition Banquet.
- Preserved the Michael and Susan Wilt 40 acre farm in Heidelberg Township by Conservation Easement Donation to the County of York on December 21, 2018
- The YCALPB provides citizens with agency farmland preservation information as they maintain the County's Ag Land Preservation Web Page at www.yorkcountypa.gov

"It shall be the mission of the York County Agricultural Land Preservation Board to protect York County's agricultural resources through the preservation of economically viable farms and the creation and maintenance of stable agricultural communities.

Board Members: Kristine Wilt, Chairwoman; Mack Smith, Vice Chairman; Daniel Innerst, Rep. Farmers; James "Gus" Parlett, Rep. Elected Officials; Delores Krick, Rep. Citizens; Ed Liviston, Rep. Farmers; Andrew Baumgardner, Rep. Farmers

Program Staff: Eric Naylor, Farmland Preservation Technician; David Boose, Farmland Preservation Spe-



U.S.D.A. York Field Team Report

- NRCS and Conservation District employees wrote or updated 208 plans on 8899 acres of land in York County in CY 2018.
- The York Field Team implemented conservation practices that benefited environmental quality on approximately 4439 acres.
- Obligated \$48,800 in 4 new contracts through the Environmental Quality Incentive Program (EQIP)
- Certified 79 contracted items accounting for 27 different practices in 2018. Total incentive money paid to the Farm Bill Program participants totaled over \$166,000.
- Wrote 14 CREP Conservation Plans totaling 133.8 acres.
- Enrolled 2 new Conservation Stewardship Program (CSP) contracts totaling over 158 acres.



Front Row: Eric Huerter, Tara Lauer
Back Row: Steve Ludwig, Ryan Cornelius, Eric Samus, Ana Turosky





The United States Department of Agriculture's York Farm Service Agency (FSA) works to equitably serve all farmers, ranchers, and agricultural partners through the delivery of effective, efficient agricultural programs for all Americans. Agency efforts include facilitating income support, disaster assistance and conservation programs, providing operating loans for the procurement of farm equipment, seed and fertilizer, as well as offering ownership loans to help new and veteran producers purchase a

Waiting on Rick Csutora's report—late due to government shutdown. Will insert later.



**Farm Production and Conservation
Farm Service Agency;
York County FSA Service Center**

3500 Concord Rd. York, PA 17402

Voice: 717-755-2966

Fax: 855-847-3608

L-r: Rick Csutoras, Wendy Kindig, Jan Dehoff, Anne Crist, Tina Gross

Cooperating Agencies

PENN STATE EXTENSION—YORK COUNTY

112 Pleasant Acres Rd, York, PA 17402

PHONE: (717) 840-7408 / extension.psu.edu

District Extension Director: Nina Redding

USDA RURAL DEVELOPMENT

401 E. Louthier St. Suite 304, Carlisle, PA 17013

PHONE: (717) 218-3002

FAX: (717) 218-3006

Supervisor: George Klaus

FARM SERVICE AGENCY

PHONE: (717) 755-2966 ext. 190

Supervisor: Richard Csutoras

YORK CO. PLANNING COMMISSION

28 E MARKET ST 3rd FL, YORK, PA 17401

PHONE: (717) 771-9870

Director: Felicia A. Dell

Watershed: John Seitz

US FISH & WILDLIFE

David Densmore PHONE: (814) 234-4090

DEPT. OF CONSERVATION & NATURAL RESOURCES MGMT:

(DCNR)-FORESTRY: Region 3

Jim Nagy (717) 772-4362

Service Forester: Matt Kern

1066 Blooming Grove Road; Codorus State Park, Hanover, PA 17331

PHONE: (717) 637-1770

ARMY CORPS OF ENGINEERS/BALTIMORE DISTRICT

401 E. Louthier Street, Suite 205 Carlisle, PA 17013

Enforcement-Frank Plewa: PHONE: (717) 249-0425 (717) 249-2522

Permits:

Pat Strong - PHONE: (410)962-1846 FAX: (410)962-6024

Mike Danko PHONE: (717)249-0425 (717) 249-8730

YORK COUNTY DEPARTMENT OF PARKS & RECREATION

400 Mundis Race Road

York, PA 17402 (717) 840-7440

Director—Tammy Klunk 717-840-7227

FISH & BOAT COMMISSION ENVIRONMENTAL SERVICE

For draw down permits, pond assessment, stream classification

PHONE: (814) 359-5147

Mark Martel (717) 657-4521

York County WCO: Darrin Kephart, Rachel Thurner-Diaz

PA GAME COMMISSION—

SOUTH EAST REGIONAL OFFICE

448 Snyder Rd Reading, PA 19605

PHONE: 1-610-926-1966

Land Management: Bruce Metz

York County WCO: Justin Ritter—juritter@pa.gov

PENN DEPARTMENT OF TRANSPORTATION

Penndot District 8

Manager—Glenn Rowe

1920 Susquehanna Trail, York, PA 17404

PHONE: (717) 848-6230

District Engineer: Barry Hoffman (717) 772-0778

Right of Ways – Larry Sarver 717-783-1235

PA ASSOCIATION OF CONSERVATION DISTRICTS- PACD

5925 Stevenson Avenue, Suite A

Harrisburg, PA 17112

PHONE: (717) 238-7223

FAX: (717) 238-7201

Executive Director: Brenda Shambaugh

IZAAK WALTON LEAGUE of AMERICA

(IWLA) – York Chapter

Phone: 717-428-2000,

Secretary – Cathy Wilson

THE HORN FARM CENTER FOR AGRICULTURAL EDUCATION, 4945 Horn Farm Road, York, PA 17406

Cooperating Agencies cont.

PA DEPT OF AG PHONE: (717) 787-8861

State Conservation Commission: Karl Brown

2301 N. Cameron Street, Harrisburg, PA 17110-9408

Eastern Regional Director: Daniel Naylor

(570) 836-6266 email: dnaylor@pa.gov

RT 92 PO Box C, Tunkhannock, PA 18657

DIRT & GRAVEL ROAD PROGRAM

Dave Creamer PHONE: (717) 787-2103

DGR (866)668-6683

PA Department of Environmental Protection

Karen Books

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP)

Conservation District Support

PO Box 8555

Harrisburg PA 17105-8555

kbooks@pa.gov

SOUTH CENTRAL REGIONAL (DEP) OFFICE

Assess & Planning Emergency Response – 888-975-9690

909 Elmerton Ave, Harrisburg, PA 17110-8200

PHONE: (717) 705-4700 FAX: (717) 705-4930

Regional Director: Joseph Adams, P. E.

Service Rep: Valerie Marx, vmarx@pa.gov, 717-705-4709

Program Manager: Scott Williamson (717) 705-4802

Conservation, Restoration & Inspection Section: Andrea Blosser (717) 705-4802

Waste Management Program: Anthony Rathfon (717) 705-4706

York County Recycling Coordinator: Jeff Fox (717) 845-1066

Local DEP offices: WATER SUPPLY MANAGEMENT & AIR QUALITY (outside)

150 Roosevelt Ave . Suite 200 York, PA 17401

Water Testing (717) 771-4481 Supervisor: Susan Foster

BWM : Dir. Office (717) 787-5267 / CD & NM (717) 783-7577

WS Prot. (717) 772-5707 / Planning (717) 772-4048

WW & SWM (717) 787-6827

York County Conservation District



York County Conservation District

118 Pleasant Acres Road, York, PA 17402

Our Vision: The York County Conservation District is committed to the improvement and protection of our environment and the wise use of our County's diverse natural resources.

Our Mission: To achieve that vision, the York County Conservation District will be proactive providing conservation education, technical services and financial assistance, to enable the citizens of York County be good stewards of our natural resources.

District main office Phone: 717-840-7430 / Fax: 717-755-0301

Envirothon Info: 717-840-7190

