



# CUMBERLAND COUNTY CONSERVATION DISTRICT

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

Winter 2017



## 2017 CONSERVATION AWARDS ANNOUNCED



The Cumberland County Conservation District recently presented Conservation Awards to those who have demonstrated exceptional stewardship practices to improve and preserve natural resources in Cumberland County. The categories for this year's awards are: Farmer of the Year; Clean Water; Watershed Protection Award; Conservation Educator of the Year; and Media Conservation Award. Award recipients for 2017 are:

**FARMER OF THE YEAR AWARD** was presented to JOE JONES AND FAMILY. Joe Jones operates a 486 acre dairy farm in Dickinson Township. He has worked with the Conservation District on several occasions for various projects, such as planting cover crops to limit soil erosion, manure containment and no-till farming practices.

**CLEAN WATER AWARD** was presented to DAMON KLINE of Penn Environmental and Remediation, Inc.. Damon and his staff have consistently submitted good quality and complete National Pollutant Discharge Elimination System (NPDES) permit applications, erosion control and post construction stormwater plans. They incorporate best management practices into their plans which more than adequately protect the site from erosion and promote the infiltration of stormwater.

**WATERSHED PROTECTION AWARD** was presented to JENNIFER HALPIN AND MATT STEIMAN from Dickinson College Farm. The pair worked on various conservation efforts, including constructing access routes for vehicles; pest management; establishing windbreaks; reconstructing an eroded waterway diversion; stabilizing portions of the pasture which are heavily used; and providing nutrient management oversight.

**CONSERVATION EDUCATOR OF THE YEAR AWARD** was presented to STEVE LOCKHART, an earth science teacher at Boiling Springs HS who prepares students for the annual Envirothon. He has encouraged his students to be inquisitive and has promoted a deeper understanding of environmental science for his students since 1989. He uses various teaching techniques to engage with his students and shows them how science correlates with their everyday lives.



**MEDIA CONSERVATION AWARD** was presented to BJ Small, editor of the Gettysburg Times, outdoor writer for the Sentinel, and media and communications coordinator for the Chesapeake Bay Foundation. Small has been a voice in the media for clean water and has written various articles on the work the Conservation District is accomplishing in Cumberland County.

(L to R) Damon Kline, BJ Small, Steve Lockhart, Matt Steiman, Jennifer Halpin, and Joe Jones and family.

## CHESAPEAKE BAY AGRICULTURAL INSPECTION PROGRAM UPDATE

The Cumberland County Conservation District performed 50 inspections between July 1, 2016 and June 30, 2017 as part of the DEP Chesapeake Bay Agricultural Inspection Program. These inspections took place all across the county spanning several townships. Most were voluntary although some were due to complaints received in our office. Inspections are continuing this year focusing in the following townships: Penn, North Newton, Lower Mifflin, and West Pennsboro. If you would like to volunteer for an inspection please call Brady Seeley at 717-240-5357 or email [bseeley@ccpa.net](mailto:bseeley@ccpa.net).

### Completed Chesapeake Bay Ag Inspections FY 16-17

- Total of 5,508.3 acres inspected
- 9 farms (18%) were found to be in full compliance with plans
- 9 farms (18%) were found to be out of compliance needing both MMP and Ag E&S Plan
- 14 farms (28%) were found to be out of compliance needing only Ag E&S Plan
- 18 farms (36%) were found to be out of compliance needing only MMP
- 8 farmers agreed to financial assistance in order to have Ag E&S Plans or Conservation Plans developed
- 22 farms (54%) were brought into full compliance before June 30, 2017
- Ag E&S Plans were developed for 4 farmers; 2 written by District Staff and 2 written by consultants and provided cost share assistance totaling \$1,517.50
- Estimated cost share assistance from District totals \$4,865.00 (funded by Marcellus Shale money)
- 7 MMPs were written in workshops by farmers
- 12 MMPs were written by District Staff

**MMP** – Manure Management Plan

**Ag E&S Plan** – Agricultural Erosion and Sediment Control Plan

An Agricultural Operation (**farm**) under the Standard Operating Procedure (SOP) for the Chesapeake Bay Agricultural Inspection Program is defined as including all lands (tract or parcels) that are contiguous and are under the same ownership or management control.



## NUTRIENT MANAGEMENT PROGRAM

### Manure Management Plans:

- Required of ALL operations generating or utilizing manure
  - Crop operation importing manure as supplemental fertilizer
  - Grazing operations even if they are not land applying mechanically
  - “Niche” farms such as llama, alpaca, goats, etc.
- Can be written by operator/producer
  - Manure management manual available online or hard copy
- Addresses
  - Nitrogen & Phosphorus (if necessary)
  - Pasture management
  - Animal Concentration Areas (ACAs)
- Farmers with ACAs needing corrective actions should contact their local Conservation District, NRCS, or a private consultant and must document that contract and the time frame for developing and implementing Best Management Practices (BMPs)
  - If BMPs for treatment of an ACA are identified in the plan, operator must implement them within 3 years of the completion of the MMP
- Nutrient Balance Sheets are not always a sufficient MMP
- Plan does not need to be formally approved by any government agency but must be available on the operation
- Records must be maintained to prove implementation of plan



### Animal Weight Changes for Concentrated Animal Operations:

- Animal weights used to determine concentration status will increase for many types of animals
  - Dairy/Beef Cattle, Swine, and Poultry have increased in standard weights
- If you are close to 2,000 lbs. of animals per acre (2 AEU/A) you may be required to obtain a Nutrient Management Plan
- Please contact our office with any questions regarding animal weight and level of plans needed



### Manure Management Planning Workshops:

Farmers still needing manure management plans can receive assistance in developing their plan through the Cumberland County Conservation District. The district will be offering workshops devoted to the development of a Manure Management Plan for your farm. If you are interested in Manure Management Planning information to achieve compliance and possibly save on the cost of fertilizers, call Jared McIntire at 717-240-5360 or email at [jmcintire@ccpa.net](mailto:jmcintire@ccpa.net).

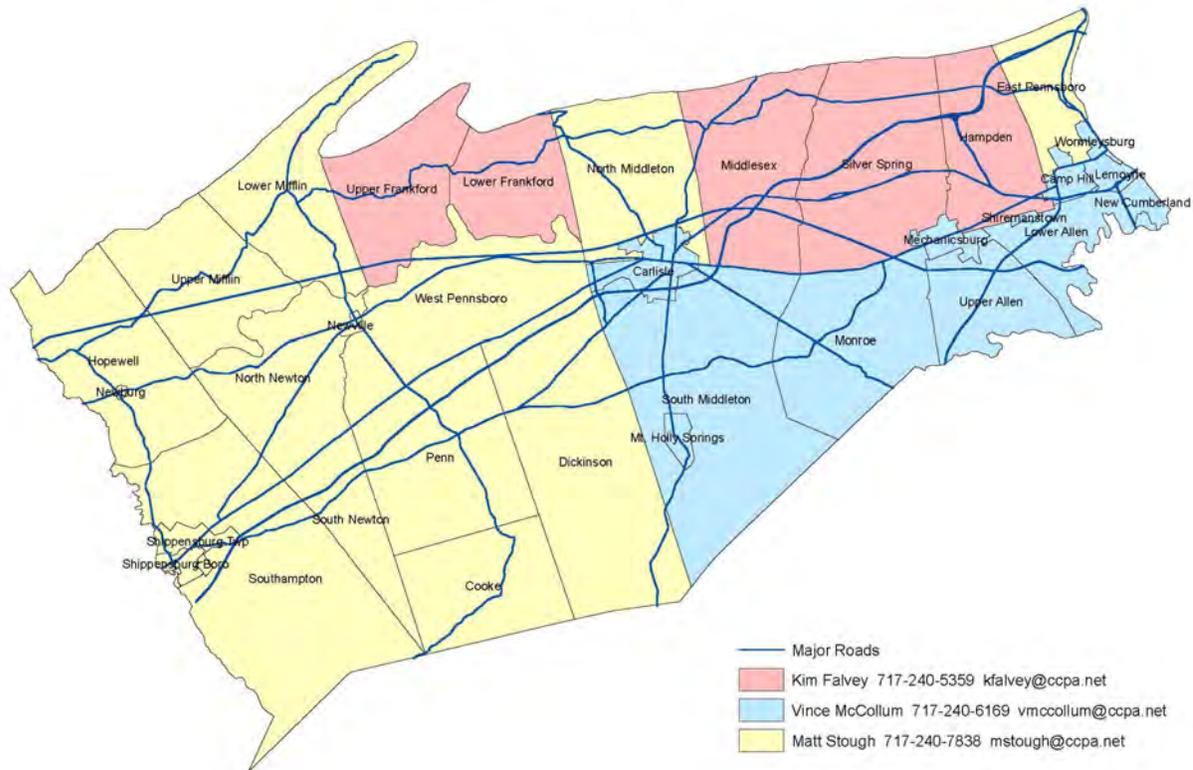
# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PROGRAM ADMINISTRATIVE UPDATES

The Erosion Control staff is preparing for upcoming changes with the expiration of the current General NPDES permit in December. PA DEP is currently working with the EPA to renew this permit. DEP is considering a few changes as a result of concerns identified through the listening sessions DEP held earlier this year with consultants and districts. One of these changes could be a streamlined or simplified permit process for small, low hazard sites. The eligibility criteria for this permit have not been finalized but it could take into consideration the size of the earth disturbance and the proximity of the project site to surface waters. There is also discussion regarding changes as to what qualifies a project for an Individual NPDES permit. Preliminary ideas are larger sites and sites that pose an increased risk to cause pollution would need an Individual Permit. This would also take into consideration the designated use of the receiving waters and proximity to those waters.

At the beginning of 2017, the District hired a new E&S employee (Matt Stough) and divided the county by Municipality between the three E&S staff, shown in the map below. When contacting our office about a potential project please use the map below to determine which Conservation Coordinator you need to speak to.



Cumberland County Conservation District  
Erosion Control Staff Municipality Assignments  
January 9, 2017



## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PROGRAM ADMINISTRATIVE UPDATES

Winter is coming! If you have a project that is going to remain disturbed over winter, it is important to begin thinking about getting that site stabilized now. Consider planting some annual rye and applying straw mulch on the disturbed areas while grass will still grow. Once winter hits, try minimizing new earth disturbances. It is important to remember that moving frozen ground will destroy the soil structure and that snow cover will provide some erosion control. So if possible, leave the frozen ground or snow cover in place if you don't need to move it. Remember to make sure all E&S BMP's are properly maintained. We have recently seen some repairs that have been improperly performed. Take a look at the pictures below. E&S BMP's are to be inspected weekly and after each runoff event. These inspections are to be done all year long and even if the site is not currently active. Also remember to keep a log of these inspections that includes which BMP's were inspected and maintained and what was done to maintain them.



**Silt sock in need of maintenance.**



**Sock just rolled down slope and called maintained**



### RAIN BARRELS

In 2017, the Cumberland County Conservation District held eight Rain Barrel Workshops, reaching out to about 290 people and students. During our annual rain barrel sale, we made 28 rain barrels with help from Cedar Cliff High School students. Other workshops included: Conodoguinet Creek Watershed Association (2 workshops), Wilson Middle School, Lower Allen Township, Silver Spring Township, Upper Allen Township, The Goddard Program, and Diakon. If you would like to sign up for our annual rain barrel sale for Spring 2018, please email Lori Glace at [lglace@ccpa.net](mailto:lglace@ccpa.net).

## Dirt, Gravel, and Low Volume Roads Program

Cumberland County's 2017 Dirt, Gravel and Low Volume Roads Program completed 3 Low Volume Roads projects, has one Dirt & Gravel project on-going and has one LVR project postponed until spring 2018. The program is split into Dirt & Gravel Roads (any road that has a stone, dirt, or gravel surface) and Low Volume Roads (any paved or sealed surface that has less than 500 cars per day). Fall 2017 Applications are currently open.

The traditional Dirt and Gravel Roads Program focuses on projects that improve road impacts from stone, dirt, and gravel roads. This year's projects included the second phase of Cold Springs Road in Dickinson Township. To the right: Cold Springs Road: shallow cross pipe to collect road drainage and direct runoff off of the road.



Cold Springs Road, Dickinson Township



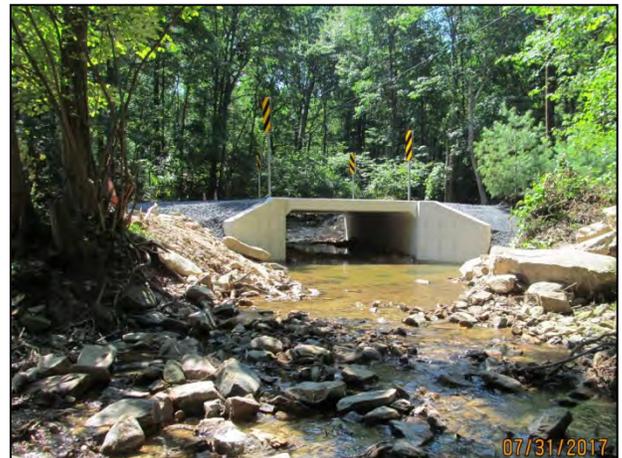
Fry Road, North Newton Township

The Low Volume Road Program focuses on paved roads with less than 500 cars per day that improve road impacts to water sources. This year's Low Volume Roads projects included Beetem Hollow Road in Penn Township, Pipe Line Road in Upper Mifflin Township, and Fry Road in North Newton Township. To the left: 6 inch perforated underdrain on Fry Road to collect spring seeps.

All of the projects focused on increasing water quality, mostly through drainage improvements. These include Environmentally Sensitive Maintenance Practices such as additional cross pipes, capturing spring seeps, creating drainage features, and replacing an undersized stream crossing structure. Below: Beetem Hollow Road, Penn Township. French Mattress Construction and 6" underdrain, under construction and finished 12 foot bottomless box culvert to establish aquatic organism passage.



Beetem Hollow Road, Penn Township



Beetem Hollow Road, Penn Township

## CUMBERLAND COUNTY ENVIROTHON

Students from nine area high schools competed in the annual Cumberland County Envirothon on Tuesday, May 2, at Mechanicsburg Sportsmen's Association, Enola, Cumberland County. 5 Blind Mice from Cumberland Valley High School took first place with a score of 362; second place went to River Otter Spotters from Carlisle High School with a score of 316; and third place went to Catastrophic Caddisflies from Cumberland Valley with a score of 313. The 5 Blind Mice represented Cumberland County at the 2017 Pennsylvania Envirothon at the University of Pittsburgh Johnstown Campus, Johnstown, PA, on May 23 and 24 and placed 20th out of 67 teams.

The Cumberland County Envirothon, presented by the Cumberland County Conservation District, is an academic competition that provides high school students hands-on field experience dealing with natural resource topics. Students complete five exams that test their knowledge on aquatics, forestry, soils, wildlife, and a current issue, which was Agriculture Soil & Water Conservation Stewardship. 116 students participated this year and enjoyed the breezy, sunny day. Schools participating in the competition included Big Spring, Boiling Springs, Camp Hill, Carlisle, Cedar Cliff, Cumberland Valley, East Pennsboro, Mechanicsburg and Shippensburg.



**Cumberland Valley's 5 Blind Mice**

Representatives from the PA Fish and Boat Commission, PA Department of Conservation and Natural Resources, PA Game Commission, the Conservation District, and Natural Resources Conservation Service administered the tests.

Once the competition was over, the students enjoyed a picnic lunch provided by the Conservation District. The Conservation District then presented awards, made from Pennsylvania hardwood, to the top three teams at each station and the top three teams overall. All participating students and advisors received an Envirothon t-shirt sponsored by Adams Electric Co-operative.

Scholarship applications were distributed to seniors to apply for a \$250.00 scholarship, which are provided with money from our annual tree sale and golf tournament..

## NEW EMPLOYEES WELCOMED

In September of 2016 the Cumberland County Conservation District welcomed Kelly Perez as the new District Secretary. Kelly currently resides in Carlisle with her husband and two children. Her father was a large animal veterinarian in Carlisle, and her experience with veterinary practices and farms helped spark her interest in the Conservation District. Before joining the Conservation District, Kelly worked as a Legal Assistant at a local law firm for 10 years. She is a graduate of Boiling Springs High School, and she enjoys gardening, cooking, baking, or just spending time with her family and dog outdoors in her spare time.



In January of 2017 the Cumberland County Conservation District welcomed Matthew Stough as a Conservation Coordinator. Matt is responsible for E&S plan reviews and NPDES permit processing as well as conducting inspections of earthmoving sites to ensure compliance with state and federal regulations. He has also taken on the role of lead inspector for Mariner East II pipeline. Before coming to Cumberland County, Matt was employed with the Adams County Conservation District as the West Nile Virus/Conservation Technician for 8 years. Matt currently resides in Adams County. He graduated from Millersville University with a degree in Environmental Biology. Matt enjoys fishing, boating and spending time outdoors with his two beagles in his spare time.

## 2018 CONSERVATION DISTRICT TREE SEEDLING SALE SCHEDULED

The Cumberland County Conservation District has scheduled their 41st Annual Tree Seedling Sale for April 19th and 20th, 2018. Contact the Conservation District Office at 717-240-7812 to receive an order form or go to our website at [www.cumberlandcd.com](http://www.cumberlandcd.com) and download the order form listed under the tree sale link. Order forms will not be available until January 2018. Seedlings include: Colorado Blue Spruce, Canaan Fir, White Pine, Concolor Fir, Red Maple, White Oak & Red Oak. Also included are a pear pack of two pear trees and an apple pack that includes three varieties of apple trees.



Fruit Trees from Adams County Nursery



White Pine tree seedlings ready to be bundled



2017 Tree Seedling Sale at 310 Allen Road

## 2017 CUMBERLAND COUNTY CONSERVATION DISTRICT ANNUAL GOLF TOURNAMENT

The 15th Annual Cumberland County Conservation District Golf Tournament was held at Rich Valley Golf on Friday September 22, 2017. We had a good turnout with 80 golfers that came out to enjoy a round of golf and support a good cause. This year's winning team shot an impressive 20 under par 51 on a beautiful day. The District would like to thank everyone at Rich Valley Golf and Nolo's that helped make the day a success. Also a special thank you to all of our sponsors! Their contributions allow us to continue our efforts in providing scholarships to Cumberland County students. This year's event brought in over \$3,500 for scholarships and to date the tournament has raised over \$25,000. And finally, thank you to all of the golfers that came out to enjoy the day with us. We hope to see you next September!



**Rich Valley Golf Hole #18**



**(L to R) Jordan Neff, Mitch Gelbaugh, Rick Price,  
Jimmy Price**

This year's winning team was Mitch Gelbaugh, Jim Price, Rick Price and Jordan Neff.  
Congratulations!



THE CUMBERLAND COUNTY CONSERVATION DISTRICT WOULD LIKE TO THANK  
OUR HOLE SPONSORS FOR CONTRIBUTING TO THE 2017 GOLF TOURNAMENT



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Farmer Director	Michael Berkheimer
Farmer Director	Daniel Mains
Public Director	Glenn Kimmel

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Todd Chestnut  
Paul Wilson  
Mike Ward

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District Secretary	Kelly Perez
Conservation Coord.	Kim Falvey
Conservation Coord.	Vince McCollum
Conservation Coord	Matthew Stough
District Engineer	Mike Lubinsky
Chesapeake Bay Tech.	Brady Seeley
Nutrient Mgmt Spec.	Jared McIntire
Conservation Analyst	Lori Glace