

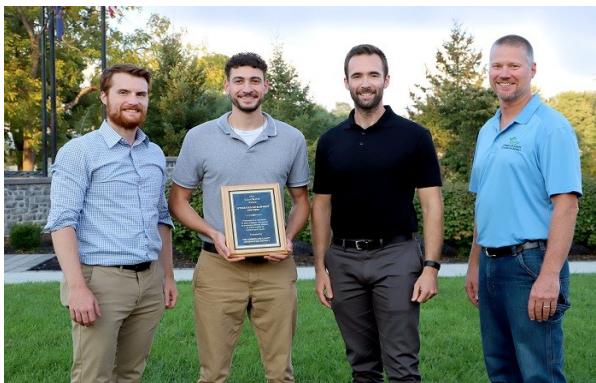


## CUMBERLAND COUNTY CONSERVATION DISTRICT FALL 2021 NEWSLETTER

[www.ccpa.net/cd](http://www.ccpa.net/cd)

### 2021 CONSERVATION AWARD WINNERS

#### CLEAN WATER AWARD INTEGRATED DEVELOPMENT PARTNERS, LLC



Zack Geist, Evan Lescanec, Elliott Shibley, Vince McCollum

#### FARMER OF THE YEAR RnR FARMS



Dylan Varner, Curtis Rabert, Todd Rabert, Kristina Rabert

#### CONSERVATION EDUCATORS OF THE YEAR



Robert Smetana, Lori Glace, Leslie Tritt of the Carlisle High School

#### MEDIA CONSERVATION AWARD CUMBERLAND COUNTY OFFICE OF COMMUNICATIONS



Ben Burner, Samantha Krepps, Michele Marsh, Chris Sechrist



## E&S/NPDES PROGRAM

<b>Construction E&amp;S and NPDES Requirements for Ag Operations</b>	
<b>Activity</b>	<b>Earth Disturbance Counts Towards E&amp;S or NPDES</b>
Building a house	yes
Building a barn	yes
Building chicken/hog houses	yes
Building manure storage facility	yes
Building bunk silos	yes
Installing swales, diversions, waterways, etc.	no
Paving barnyards with associated BMPs	no, if covered in Ag E&S or conservation plan
Paving animal walkways	no, if covered in Ag E&S or conservation plan
Building roofs with associated BMPs	no, if covered in Ag E&S or conservation plan

### **AGRICULTURAL ACTIVITIES MAY REQUIRE AN NPDES PERMIT**

Some agricultural related activities, outside of plowing and tilling, may require a construction erosion and sediment control (E&S) plan or a National Pollutant Discharge Elimination System (NPDES) permit depending on the amount of earth disturbance. An Ag E&S plan is required for any operation that performs earth disturbance activities related to plowing, tilling (including no-till) or animal heavy use areas (AHUAs) totaling 5,000 sf or more. This Ag E&S plan however would not cover any construction activities on the ag operation. If the operation plans to build a new barn, workshop, house or any other building and the earth disturbance exceeds 5,000 sf, a written construction E&S plan is required. If the earth disturbance is one acre or greater an NPDES permit is required. Typically, the paving of barnyards and animal walkways or building a roof over a stack pad or AHUA and any associated best management practices (BMPs) would not count towards this square footage if the activities are covered in the Ag E&S plan or Conservation plan.

All earth disturbance on ag operations require the implementation of E&S BMPs to minimize or control accelerated erosion. The plowing and tilling (including no-till) and the clearing and grubbing to convert land to agricultural production would be covered under an Ag E&S plan. Any earth disturbance associated with the conversion to agriculture may require more traditional BMPs such as silt socks/silt fence or sediment traps or basins to control the sediment runoff.

If you are planning any construction or new conversion to ag on your operation and have questions about what is required, please reach out to the Conservation District.



Earth disturbance associated with construction of a barn, which is required to be covered under an E&S plan related to construction activities

## ENVIROTHON

The 2021 Cumberland County Envirothon was held virtually on April 13, 2021. The Envirothon is a scholastic competition open to high school students in Cumberland County to raise awareness of current resource management concerns. Topics include Aquatics, Current Environmental Issue (new topic every year), Forestry, Soils, and Wildlife. The winning team advances to the Pennsylvania State Envirothon representing Cumberland County.

Congratulations to Cumberland Valley's *CV Hellbenders* for winning the 2021 Cumberland County Envirothon! We had 6 schools compete with a total of 10 teams! Pictured below are photos submitted by teachers (left to right): Camp Hill: *The Golden Eagles*, Boiling Springs: *Angry Beavers*, Big Spring: *Green Beans* and Boiling Springs: *Swaggerculture*.



## ANNUAL GOLF TOURNAMENT

The 19th Annual Cumberland County Conservation District Golf Tournament was held at Rich Valley Golf on Friday September 24, 2021. There were 110 golfers that came out to enjoy a round of golf and support a good cause. The crisp early Fall day was perfect for a day on the golf course. After the round was over, attendees enjoyed a great meal prepared by Nolo's. The team of Nic DiSanto, Tom Watsula, Nate Weiss and Jen Logan won the event with a score of 53! Congratulations to the winning team and all of the participants for supporting environmental education efforts and conservation scholarships in Cumberland County. 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 our hole sponsors. Their contributions allow us to continue our efforts in providing scholarships to Cumberland County students. This year's event raised nearly \$7,000 for scholarships and to date the tournament has raised over \$52,000. And finally, thank you to all the golfers. We hope to see you all again next September!

THE CUMBERLAND COUNTY CONSERVATION DISTRICT WOULD LIKE TO  
THANK OUR HOLE SPONSORS FOR SUPPORTING THE 2021 GOLF TOURNAMENT

Conservationist Hole Sponsor



Cumberland County employees at the 2021 Golf Tournament



Participants in the 2021 Golf Tournament

## DIRT, GRAVEL, AND LOW VOLUME ROADS PROGRAM



*New shallow cross pipe installed with grade break to add additional road drainage.*

### **Dickinson Township, Cold Springs South (DGR)**

Work started on the south side of Cold Springs Road this fall to replace existing drainage pipes, add new drainage pipes, capture springs seeps and fix a section of road that had a poor base.

This project is broken into several phases:

Phase 1: Drainage (under construction)

Phase 2: Road Base (to be constructed late Fall 2021)

Phase 3: Driving Surface Aggregate (future application)

This project will stabilize 4,250 ft (0.80 mile) of road and will reduce sediment and nonpoint source pollution to Sage Run, that flows to Mountain Creek and the Yellow Breeches.



*South Newton Township, Furnace Hollow Road (Low Volume Road) Inlet of the stream crossing. New culvert allows the stream to be connected through the structure and will prevent flooding.*



*Penn Township, Beetem Hollow Road (Low Volume Road) Outlet of the stream crossing. The new culvert will reduce flooding and will allow for stream flow.*

## Apply for a road grant!

Grant Applications open in January 2022 for both Dirt & Gravel and Low Volume Road Programs. Become certified today!

Grants will be open to municipalities in Cumberland County that improve water quality by reducing sediment and nonpoint source pollution. Grants are for public roads that are open to the public for at least three consecutive weeks of the year. Low Volume paved roads must have less than 500 average cars per day.

In order for a municipality to apply for a grant, they must first attend an ESM training session to become certified.

Contact the Conservation District for more information!

### Not ESM Certified? Sign up today!

#### **2021-2022 ESM Trainings**

December 14 & 15 2021 (virtual)

January 18 & 19 (virtual)

February 15 & 16 (virtual)

March 15 & 16 (virtual)

Future Meetings TBD

[Sign up at:](#)

[www.dirtandgravel.psu.edu/education-and-training/esm-course](http://www.dirtandgravel.psu.edu/education-and-training/esm-course)

## WATERSHED

### LETORT COLDWATER CONSERVATION PLAN

This plan was created in partnership with Cumberland Valley Trout Unlimited and focuses on the headwaters of the Letort Spring Run from Route 34 downstream to Interstate 81. The plan identifies areas for conservation practices and will be utilized to apply for future projects.

Data collected included chemical data from the Alliance for Aquatic Resource Monitoring, biological fish data from Pennsylvania Fish and Boat Commission, macroinvertebrate data from Pennsylvania DEP and many other sources. The habitat study was completed by Cumberland Valley Trout Unlimited.

This project was financed in part by a grant from the Coldwater Heritage Partnership on behalf of the PA Department of Conservation and Natural Resources (Environmental Stewardship Fund), the PA Fish and Boat Commission, the Foundation for Pennsylvania Watersheds and the PA Council of Trout Unlimited.

Letort Spring Run  
Coldwater Conservation Plan  
Route 34 to Interstate-81



Plan Prepared by:  
Cumberland Valley Trout Unlimited  
&  
Cumberland County Conservation District



CUMBERLAND COUNTY CONSERVATION DISTRICT



### UPPER ALLEN TOWNSHIP RAIN GARDEN WORKSHOP

Residents in Upper Allen Township had the opportunity to learn about installing and maintaining rain gardens in May. The workshop included presentations by Lori Glace (CCCD) and Andy Yencha (Penn State Extension). The workshop included a live planting demonstration of native plants at the Upper Allen Township municipal building. Funding and other support for this workshop was provided by the Pennsylvania Association of Conservation Districts, through a grant from the Pennsylvania Department of Environmental Protection under Section 319 of the Clean Water Act, administered by the U.S. Environmental Protection Agency.



## RAIN BARRELS



Pre-orders are now being accepted for our 2022 Rain Barrel Sale. If you are interested, please email [lglace@ccpa.net](mailto:lglace@ccpa.net) or call 717-320-3290. Rain Barrels are a great way to conserve water by collecting and using the stored water on your lawn, flower beds, and garden plants which can recharge groundwater and reduce municipal water bills.

2021 was our 20th year of constructing rain barrels. Since the program began, we've distributed over 1,650 rain barrels throughout Cumberland County!

This year, for our Rain Barrel sale, we partnered with the Penn State Extension Master Watershed Stewards of Cumberland County

## MANURE MANAGEMENT PLAN VS. NUTRIENT MANAGEMENT

Every farm or operation that generates and/or utilized manure (including imported manures) is required by state regulation, to obtain and implement an administratively complete Manure Management Plan (MMP). MMPs can be prepared by the farmer or by a trained individual. MMPs do not need to be submitted to the Conservation District for approval but must be available to DEP or Conservation District staff upon request for inspection.

A Nutrient Management Plan (NMP) is only required for farms that fall under the Concentrated Animal Operation (CAO) or the Concentrated Animal Feeding Operation (CAFO) categories. NMPs must be written by a certified plan writer and submitted to the Conservation District for review and approval by the Board of Directors.

If you are unsure what plan you need for your operation, please reach out to the Conservation District and an Ag Technician will be able to assist you.

### **CAFO**

Farms with more than 700 cows, 2,500 hogs, 82,000 layers, 125,000 broilers.

OR

1,000 Animal Equivalent Units are combined.

OR

Farms that are a CAO that have more than 300 AEUs when all animal types are combined.



Nutrient Management Plan

### **CAO**

Farms that meet both of the following criteria:  
Farm contains 8 or more Animal Equivalent Units.

AND

Has an animal density in excess of two (2.0) animal equivalent units (or 2,000 lbs.), on an annualized basis, per acre of land suitable for manure application.



Nutrient Management Plan

Farms that generate and or utilize manure on their operation, have less than 8 Animal Equivalent Units

AND

The animal density is less than 2 Animal Equivalent Units on an annualized basis, per acre of land suitable for manure application.



Manure Management Plan

## TREE SEEDLING SALE



The Cumberland County Conservation District has scheduled our annual Tree Seedling Sale for April 21 & 22, 2022. If you have not ordered from the Conservation District in the past and would like to receive an order form you can call the District Office at 717-240-7812 or send an email to [conservation@ccpa.net](mailto:conservation@ccpa.net) and give us your postal mailing or email address. The 2022 order forms will be sent in the mail by mid February.

Tree seedlings available for 2022 include:

White Pine, Canadian Hemlock, Colorado Blue Spruce, Concolor Fir, White Oak, Fraser Fir and Serviceberry.

The District is also offering three types of Apple trees:

Liberty, Initial & Goldrush

Two Pear trees:

Harrow Sweet & Bell

New this year, plum trees and two blueberry plants.

Myrtle Clumps and a northeast wildflower mix will be sold as groundcover. Four varieties of flowering bulbs and tree shelters ranging from three to five feet will also be included in the list of items for sale. Profits from the tree seedling sale will help offset costs associated with environmental education projects in Cumberland County.

The Conservation District estimates that over 500,000 seedlings and groundcover plants have been added to the Cumberland County landscape from the last forty plus years of the seedling sale. Many customers comment on how their small seedlings that they bought from us years ago are now mature trees and providing the benefits to the natural environment that they had envisioned at that time.

## WATER TESTING PROGRAM

The Cumberland County Conservation District's water testing program is held on the second Wednesday of each month. Water will not be accepted before or after the specified dates listed below. Water samples must be brought into the office on the day of the test between the hours of 8:00 am and 4:00 pm. Samples should be taken on the day of the collection and the time should be noted. A separate bottle is needed for each test. Free bottles for testing are available at the Conservation District office on week days between 8:00 AM-4:30 PM.

### FUTURE TESTING DATES

JANUARY 12

FEBRUARY 9

MARCH 9

### AVAILABLE TESTS

TOTAL COLIFORM BACTERIA  
IRON  
SODIUM  
NITRATE  
SULFATE

TOTAL COLIFORM BACTERIA + E.COLI  
LEAD  
pH  
FLUORIDE  
HARDNESS



NON-PROFIT  
U.S. POSTAGE  
**PAID**  
CARLISLE, PA 17013  
PERMIT NO. 42

**Cumberland County Conservation District**  
310 Allen Road, Suite 301, Carlisle, PA 17013-9101  
717-240-7812  
[www.ccpa.net/cd](http://www.ccpa.net/cd)

RETURN SERVICE REQUESTED

#### **District Directors**

Chairman Duff George  
Vice Chairman Glenn Kimmel  
Commissioner Vince DiFilippo  
Farmer Director Dennis Garman  
Farmer Director Michael Berkheimer  
Farmer Director Victor Barrick  
Farmer Director Mike Wadel  
Public Director

#### **Associate Directors**

James Hoffman  
Kingsley Blasco  
Todd Chestnut  
Paul Wilson  
W. John Madden  
Dan Mains  
Mike Ward  
Steve Taglang

#### **District Staff**

District Manager Carl Goshorn  
Asst. District Manager Vince McCollum  
District Secretary Michele Marsh  
Conservation Coordinator Kim Falvey  
Conservation Coordinator Matt Stough  
District Engineer Mike Lubinsky  
Chesapeake Bay Tech. Charles Heberlig  
Nutrient Mgmt Spec. Dylan Varner  
Conservation Analyst Lori Glace

#### **County Commissioners**

Gary Eichelberger  
Jean Foschi  
Vince DiFilippo