

# District Digest

The BCCD Newsletter



BERKS COUNTY  
CONSERVATION DISTRICT

## DEP Releases Updates to Manure Management Manual

*Submitted by: Damian Painter*

This past winter, BCCD offered workshops educating farmers on the new Manure Management Manual. In October of 2011, The PA Department Of Environmental Protection released new regulations that will affect all farms that produce or apply manure. The Manure Management Manual details what is necessary for farmers to develop a Manure Management Plan. If the farm is not a CAFO or CAO, the Manure Management Manual (MMM) is simple enough that farmers can develop the plans themselves, however help from BCCD is available to those who request it. **(continued on page 4)**

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## GULLY EROSION PROTECTION IN BERKS COUNTY

*Submitted by: Kefani Kejela, NRCS*

Locals living in Caernarvon Township knew of "The Grand Canyon of Morgantown". The name was given to the 11ft x 7 ft gully in a hayfield on the Kevin Beiler Farm. The gully site is located on the outskirts of Morgantown, Pennsylvania, at the junction of Rout 23 and Pennsylvania Turnpike (I- 76) in Caernarvon Township, Berks County.

The new Sheetz gas station and Chevrolet Car Dealership, which were constructed in 2000, are considered to be the main sources of storm runoff. Both business are **(continued on page 9)** located within 300 yards of the



## State of the Chesapeake Bay Update

*Submitted by: Jeff Overstreet*

On January 5th, 2012, several representatives from the Berks County Agriculture Department attended the 2012 Chesapeake Bay Program Conservation District and PA Agency Staff Meeting (formerly known as the All-Bay meeting) at Bucknell University in Lewisburg, PA. **(continued on page 4)**

## New Varieties Debut at the Annual Seedling Sale

*Submitted by: Ann Sellers*

The Berks County Conservation District is offering four new varieties of trees and shrubs at our seedling sale this year. The new selection includes: Leyland Cypress, Serviceberry, Witch Hazel, Tulip Poplar **(continued on page 7)**

**BOARD OF DIRECTORS**

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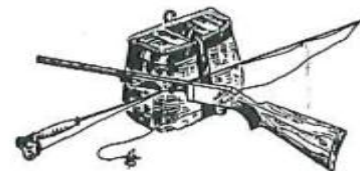
*Watershed Specialist/ Environmental Educator*

**Meet the Staff!**



From Left to Right: Kelly Grube, Anne Sellers, Damian Painter, Holly Kaplan

**(Continued on page 3)**



**STRAUSSTOWN**

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**717-933-8418**

**Kelly Grube, Urban Resource Administrative Assistant**

Kelly Grube has a degree in Environmental Biology and is currently working at the BCCD as a part-time Administrative Assistant.

**Damian Painter, Agriculture Resource Conservationist**

Damian is a graduate of Mansfield University, where he studied Geography with an Emphasis on Watershed Management. As an Agricultural Resource Conservationist, Damian will be involved with Nutrient Management Program and writing conservation plans.

**Ann Seller, Urban Resource Conservationist**

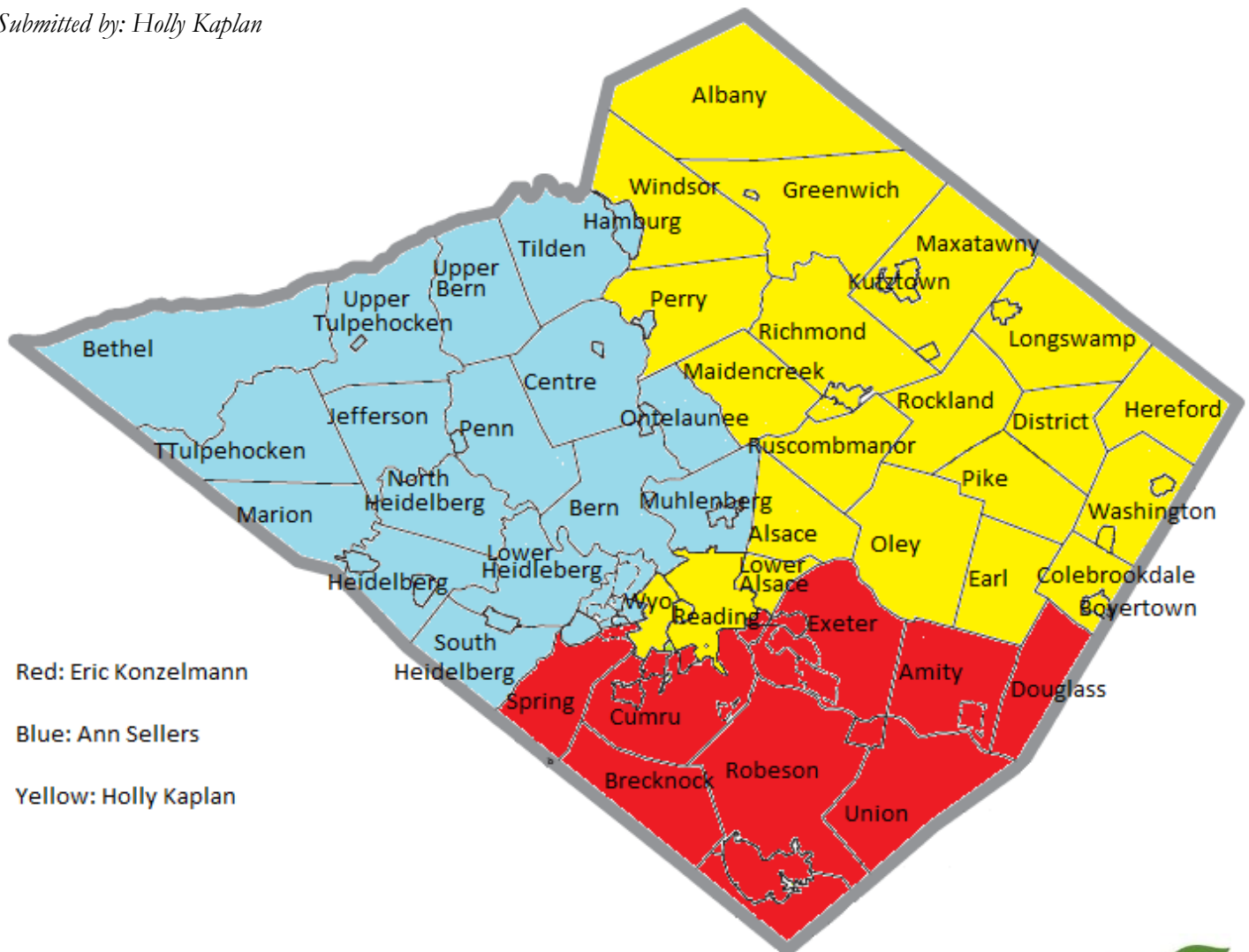
Ann is a graduate of the University of Georgia where she earned a Bachelor of Landscape Architecture and has worked for an engineering firm working on subdivision layout. As a new Urban Resource Conservationist Ann will, review/inspect construction projects and manage stream encroachment permits.

**Holly Kaplan, Urban Resource Specialist**

Holly is one of the new Urban Resource Conservationist. She is focusing on reviewing/inspecting new construction projects for compliance, managing stream encroachment permits and dirt and gravel road projects. Holly has a background in Geography from Rutgers University and worked in conservation in new Jersey.

**NEW URBAN RESOURCE CONSERVATIONISTS “TERRITORY” MAP**

*Submitted by: Holly Kaplan*



## DEP RELEASES UPDATES TO MANURE MANAGEMENT MANUAL (CONT'D FROM P. 1)

CAFOs and CAOs are required to develop more detailed plans called Nutrient Management Plans. Other technical workshops are planned for the future, the goal is to help as many farmers that request assistance as possible. It should be noted that all farms, regardless of size, that have livestock, regardless of the number, must have a written Manure Management Plan. This includes operations that have an Animal Concentration Area (ACA), as well as operations that have pastures. This will affect operations as small as one horse that is pastured.

If a farmer land applies manure or agricultural process wastewater, regardless if they imported it or it was produced on-site, a written Manure Management Plan is required. It should also be noted that the Manure Management Plan that is developed by a farmer is particular to his operation and need not be submitted for approval, but available for review upon request by the DEP or BCCD. The written plan must contain contact information and general infor-

mation about the farm, including maps. It should also have a section for record keeping. The kinds of records to be kept are rate of application, crop yields, manure exports, and observations about the manure storage. The MMM provides blank forms for reporting, but the farmer may continue to use the current recordkeeping form.

The MMM has various options for managing livestock. These include maintaining a pasture that has “dense vegetation throughout the growing season,” developing a Prescribed Grazing Plan—outlined in the NRCS PA Technical Guide Practice Standard 528, or maintaining an Animal Concentration Area (ACA). ACAs are exercise lots, barnyards, feedlots, or other confinement areas. ACAs require more management than a pasture as they call for, among other things, diverting clean water, collecting and treating dirty water that flows from the ACA, routinely removing manure, and limiting animal access to streams.

Winter spreading is defined in the MMM as December 15<sup>th</sup> through February 28<sup>th</sup>, anytime the ground is frozen at least 4 inches deep, or anytime the ground is snow covered. While winter spreading is allowed, the DEP discourages it and has manure application rules just for the winter season.

These include setbacks of 100 feet from the top of stream banks, lakes, and ponds; maximum application rates of 5000 per acre or 20 tons per acre non-poultry manure and 3 tons per acre poultry manure; minimum 25% crop residue or established cover crop; and fields may not have slopes greater than 15%.

If you would like a copy of the Manure Management Manual, need assistance in writing your Manure Management Plan, or need more information, you can check out the BCCD web page dedicated to Manure Management at <http://berkscd.com/agriculture/manure-management/> or call 610-372-4657.

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## STATE OF THE CHESAPEAKE BAY UPDATE (CONT'D FROM P. 1)

Among the many attendees were representatives from the various Conservation Districts in the Chesapeake Bay Water-shed, the PA Department of Environmental Protection, the US EPA, and the Pennsylvania NRCS.

Numerous topics were presented and discussed by the various agencies in attendance. The US EPA discussed implementation of the Chesapeake Bay “pollution diet” that was issued in December 2010 and sets goals for the reduction of nutrients and sediment entering the Chesapeake Bay. There is good news and

not-so-good news concerning the health of the Bay; nonetheless the US EPA reported that PA agriculture is ahead of schedule in meeting its commitment toward the 2009-2011 milestones for implementation of best management practices.

In addition, the Susquehanna River Basin Commission reported that nitrogen, phosphorus, and sediment concentrations are declining at 5 of 7 sampling stations on the Susquehanna River.

The Pennsylvania DEP also provided an update on the Chesapeake Bay

Program. The Manure Management Manual is now available and should make it easier for farmers to implement their own Manure Management Plans.

Also, the PA DEP is developing a strategy to report best management practices that farmers have implemented without cost-share assistance. This strategy would give farmers credit for practices such as no-till that they have implemented on their own.

## AG CENTER CORNER

### **Farm Service Agency 2012 Program Sign-Up Dates:**

Direct & Counter Cyclical Sign Up (DCP) – January 23 – June 1, 2012

Supplemental Revenue Assistance Program (SURE) for 2010 Losses – Deadline June 1, 2012

Small Grain Acreage Reports – Deadline June 15, 2012

All other crops – Deadline July 15, 2012

### **Volunteers Wanted**

The **Maiden Creek Watershed Association (MCWA)** is looking for a few interested people to serve on the Board of Directors. The Association meets monthly at the Virginville Grange in Virginville Berks County. The MWCA is a non-Profit organization whose mission is to promote awareness of the Maiden Creek Watershed as a valuable resource through community education and monitoring. The group consists of individual citizens, farmers, non-profit organizations, & local and state government representatives. If you are interested please contact Elaine at [elaineb125@ptd.net](mailto:elaineb125@ptd.net)

The **Tilden Township Environmental Advisory Council** is also looking for interested individuals who would like to volunteer their time aiding the Council plan annual conservation events/projects. The Tilden Township Environmental Advisory Council meets once a month at the Tilden Township Building. If you are interested contact Tilden Township at 610-562-7410

## GREEN OFFICE CORNER

### GREEN “By the Numbers”

#### **8 Billion:**

The number of gallons of gas saved if every commuter car in the U.S. carried just one more person.

#### **55 percent:**

The amount of water saved by producing recycled paper as compared to virgin paper. Recycled paper also takes 60-70 percent less energy to produce from virgin pulp.

#### **Once:**

The number of times that most 25+ billion cartons manufactured in the U.S. are used.



## Evergreens

### Leyland Cypress



2 years old 10"-18"  
Rapid growth with dense coverage. Perfect for hedge row and wind break. Full-partial sun. Grows to 60'

### Colorado Blue Spruce



3 years old 7"-14"  
An ornamental tree with stiff, silvery blue needles. Can be used as a dense screen or wind break. Full sun. Grows to 70'

### Concolor Fir



3 years old 7"-14"  
Holds needles best of any short needle variety. Best in well-drained soils. Partial shade to full sun. Grows to 60'

### Arborvitae



3 years old 7"-14"  
Dense canopy provides good wildlife and screen cover. Grows in most soil types. Full to partial sun. Grows to 60'

### Douglas Fir



3 years old 7"-16"  
Medium to large evergreen with soft dark green to blue needles. Prefers wetter soils. Grows to 70'

### Norway Spruce



3 years old 7"-16"  
Fastest growing spruce. Excellent wind break and wildlife attraction. Best in moderately to well drained soils. Grows to 75'

### Fraser Fir



3 years old 7"-16"  
Smaller fast growing tree. Prefers sandy soils and partial shade to full sun. Grows to 50'

## Shrubs

### American Cranberry Bush



2 years old 12"-24"  
Orange-red leaves in fall. Large native shrub used for stream bank buffer. Moist soils. Partial shade. Grows to 12'

### Winterberry Holly



3 years old 12"-24"  
Female produces red berries in fall. Must plant 5+ to ensure pollination. Best in wet soil & partial shade. Grows to 8'

### Serviceberry



1 year old 12"-18"  
White flowers in spring, red animal attracting berries in summer, vibrant red in fall. Sun to partial shade. Grows to 25'

### Witch Hazel



1 year old 12"-18"  
Fragrant shrub with bright yellow fall foliage. Full sun or partial shade. Grows to 12'

### Butterfly Bush



1 year old 12"-18"  
Bright flowers and very fragrant. Attracts butterflies and other pollinators. Sun to partial shade. Grows to 10"

## Deciduous Trees

### Sugar Maple



2 years old 12"-24"  
Orange Reddish leaves. Prefers well drained soils and partial shade. Grows to 100'

### Tulip Poplar



2 years old 12"-24"  
Smooth barked tree that produces yellow/orange tulip shaped flowers. Full sun/partial shade. Grows to 80'

### White Oak



2 years old 10"-24"  
Short, but wide spread tree. Leaves are bright red in the fall. Tolerable to both moist and dry soils. Grows to 65'

### Sweet Crabapple



2 years old 10"-18"  
Small tree with broadly spaced branches. White to purple flowers in the spring. Apples attract wildlife. Prefer moist soils. Grows to 30'

### Red Oak



2 years old 12"-28"  
Fastest growing oak, tolerant of urban conditions. Leaves turn deep red. Partial shade. Grows to 80'

### Eastern Redbud



2 years old 10"-24"  
Flowers are reddish purple in bud, opening to rosy pink in early spring. Partial shade. Grows to 30'

## Wildflower Seeds

### Butterfly / Humming Bird



1 or 3 oz packets  
22 varieties of annuals/perennials  
6-8 hours of sun daily

## Rain Barrels



55 gal plastic drum with a spigot, drain hole and inlet. Great for watering plants. **Choose colors: Blue, Green, or White**

## Ground Cover

### Creeping Liriope



2" Potted Plant  
Purple flower blooms in summer. Good for stream banks. Full to partial shade. Grows to 12"-15"

**2012 Order Form** **Order #**

<b>Evergreens</b> Colorado Blue Spruce Concolor Fir Douglas Fir Fraser Fir Leyland Cypress Norway Spruce Arborvitae	<b>Bundle of 10</b> ___ x \$7 = \$____ ___ x \$11 = \$____ ___ x \$9 = \$____ ___ x \$8 = \$____ ___ x \$20 = \$____ ___ x \$7 = \$____ ___ x \$8 = \$____	<b>Bundle of 25</b> ___ x \$15 = \$____ ___ x \$25 = \$____ ___ x \$20 = \$____ ___ x \$18 = \$____ ___ x \$45 = \$____ ___ x \$15 = \$____ ___ x \$14 = \$____	<b>Bundle of 100</b> ___ x \$57 = \$____ ___ x \$94 = \$____ ___ x \$75 = \$____ ___ x \$68 = \$____ ___ x \$150 = \$____ ___ x \$57 = \$____ ___ x \$56 = \$____
<b>Single Seedlings (Bare Root)</b> Red Oak Eastern Red Bud Tulip Poplar Winterberry Holly Sugar Maple Amer. Cranberry Bush Serviceberry Witch Hazel Butterfly Bush White Oak Sweet Crabapple	___ x \$2.00 = \$____ ___ x \$2.00 = \$____ ___ x \$2.00 = \$____ ___ x \$2.00 = \$____ ___ x \$2.00 = \$____ ___ x \$1.75 = \$____ ___ x \$2.00 = \$____ ___ x \$2.00 = \$____ ___ x \$2.00 = \$____ ___ x \$2.00 = \$____ ___ x \$1.50 = \$____	<b>Ground Cover</b> Creeping Liriope <b>Wildflower Seeds</b> 1oz. (covers 156 sq ft) 3oz. (covers 465 sq ft)	___ x \$3 = \$____ ___ x \$4 = \$____ ___ x \$11 = \$____ Name _____ Address _____ Phone _____ Email _____ Amount Enclosed \$ _____
<b>Tree Planting Bars</b> Locally Manufactured <b>Fertilizer Pellets</b> 2 yr. time release <b>Rain Barrels</b> Choose your color! BLUE GREEN WHITE	___ x \$40 = \$____ ___ x \$4 = \$____ ___ x \$75 = \$____	<b>Order Deadline is March 23, 2012</b> Proceeds Support Environmental Education for Berks County Students For Directions Visit Our Website <a href="http://www.berkscd.com">www.berkscd.com</a> Comments, Questions? Call us at: (610) 372-4657	<b>Return form with check payable to:</b> Berks County Conservation District 1238 County Welfare Road Suite 200 Leesport, PA 19533

**NEW VARIETIES DEBUT AT THE ANNUAL SEEDLING SALE** (CONT'D FROM P. 1)

**Leyland Cypress:** The Cypress is a well drained loam. pyramidal evergreen that retains its lush bluish-green hue all year. It is an excellent choice for use in privacy screens, windbreaks and hedges. The Leyland's flat- shaped needles give it a soft feathery affect when hit by a breeze. Tolerant to most soil types, it tolerates salt, drought conditions and is resistant to deer.

**SALE DATES!**  
**April 20: 9am-7pm**  
**April 21: 9am-12pm**

**Tulip Poplar:** The Poplar is a native tree of the eastern United States and is a useful shade tree. Large tulip-shaped green-yellow flowers appear in the beginning of May Fall produc-es beautiful yellow leaves. The Tulip Poplar prefers full sun and moist,

**Serviceberry:** Also called Shadbush, derives its common name from a group of eastern North American shrubs and trees that flower when the shad-fish spawn. Its white flowers are abundant mid to late April. Fall color varies from yellow to apricot-orange, to deep dusty red. Serviceberry is an excellent choice for

naturalistic planting along stream-banks, woodlands, or ponds.

**Witch Hazel:** A native shrub or small tree, the Witch Hazel has fragrant yellow strap-like flowers emerge in January and are a contrast to the barren winter landscape. It prefers moist soil but is adaptable to city conditions and likes full sun.



## 2012 BERKS COUNTY SENIOR AND JUNIOR ENVIROTHON

*Submitted by: Kate O'Brien*

Each spring season, Berks County high school and middle school students compete in the ***Berks County Envirothon***.

The high school teams compete for the chance to go to the state-wide event where schools from all corners of Pennsylvania vie for the chance to move on to the international competition. There, the winning team must go up against the best from the United States and Canada for recognition and college scholarships.

Originally developed in 1979, the *Envirothon* has become the most popular high school environmental knowledge competition in North America. Although, only high schools go on to compete in state and international competitions, the

Envirothon has become so popular that middle schools are participating in informal Envirothon Competitions.

The Berks County Envirothon has existed long enough to witness 8<sup>th</sup> graders go on from college into successful environmental & agricultural careers.

But college & environmentally related careers are not the only goals of the Envirothon. Teamwork, friendship, study skills, nature appreciation, and critical thinking are all part of the program. The benefits speak for themselves--the Envirothon works!

Both the high school and middle school competitions are administered by the Berks County Conservation District with the aid of many cooper-

ating agencies such as: the PA Game Commission, PA Fish & Boat Commission, DCNR Bureau of Forestry, and the Natural Resource Conservation Service.

**2012 Envirothon  
Dates have been set!**

**Senior: May 1st**

**Junior: May 9th**

**Events will be at Nolde State Forest.**

Teams can still register and sponsorship opportunities are available. For more information about the Envirothon, please contact Kate O'Brien at 610-372-4657 ext.: 211.

## DON HARTMAN CONSERVATION LEADERSHIP CAMP

*Submitted by: Kate O'Brien*

The Berks County Conservation District is pleased to announce that we, along with the Pennsylvania Department of Conservation and Natural Resources—Nolde Forest Environmental Education Center, will be hosting the **Don Hartman Conservation Leadership School** at Alvernia University in June 2012.

This week-long residential school, which will run from June 25-29, 2012, is designed to not only acquaint interested Berks County high school students with the field of natural resource conservation, but also to encourage and develop leadership skills that will last a lifetime! This year students will investigate and learn about Pennsylvania Wildlife and perform activities related to that topic.

If you are or know of a high school student that resides in Berks County and are interested in the School, then please visit our website at [www.BerksCD.com/education](http://www.BerksCD.com/education) or call 610-372-4657 ext. 211.



## GULLY EROSION PROTECTION IN BERKS COUNTY (CONT'D FROM P. 1)

farming operation and have led to the formation of the gully, based on the information obtained from the farmer.

Caernarvon Township is 8.9 square miles and is located in Berks County, with a rural community of approximately 4,000 residents in southeastern Pennsylvania, located an hour west of Philadelphia and an hour east of Harrisburg. In 2004, Caernarvon Township, Berks County, was named the 5th fastest growing township in the state of Pennsylvania. Over the last 12 years, much of the development and infrastructure has been built in the township.

Information obtained from producer shows that no gully was present in the hayfield before 2000. It is evident that changes in land use are a resource concern if soil erosion (runoff) is not treated properly.

Land use change is a fact of life for many communities in the area. From cities to suburbs, to rural villages, farmland is being developed to accommodate a population that wants larger homes, larger lots and more shopping, recreation, schools and roads. These land use changes are adding pressure to the natural environment.

When land is under construction, soil erosion can be significant – often many times greater than land used for agriculture. The resulting sediment damages surface water resources (including community water supplies), obstructs roads and degrades wildlife habitat.

Once developed, the land has more roofs, roads, parking lots, and compacted turf. Impervious surfaces like these send more runoff across land-



scapes, and consequently, the risk of flooding is increased.

Urban runoff impairs water quality in streams, by delivering excessive sediment and nutrients. Groundwater recharge is also reduced by impervious surfaces. Runoff coming from gas station parking lot is an example of change in land use affecting farmland.

For the Beiler farm, runoff from parking lots has been a continuous issue by, directing water onto the farm, via a 12 inch pipe passing under Twin Valley Road that drains directly to the gullied hayfield. This stormwater created the formation of a deep gully on the farm, in less than 9 years.

Soil can easily be lost or displaced from its original location, but difficult to replace in a reasonable timeframe. Research shows that it takes approximately **500 or more** years to produce an inch of topsoil. If unprotected, that same inch of soil can be washed away in minutes – affecting both air and water quality. The newly formed Beiler Gully,

ranged from five to seven feet in depth and from nine to eleven feet in width and was 280 feet long.

After field visits with the NRCS Leesport staff, and various discussions with the farm operator, it was determined that the runoff from gas station greatly aggravated the situation, more so than runoff from the field. The farmer contacted the township several times, but with no immediate assistance or solutions.

The NRCS contacted Caernarvon Township and mediated an agreement. The township would participate in the implementation of Best Management Practices (BMPs) to rectify the gully issue, as the gully was formed in part to township roads and would eventually lead to the degradation of Twin Valley Road.

### Chesapeake Bay Initiative Program

The Beiler Farm is located in Conestoga Watershed, which is part of the Chesapeake Bay. During the assessment of the farm it was determined that in addition to treating the gully, the operator would sign a contract to control and treat soil erosion from animal use by: implementing walkways, stream crossings and streambank fencing. Financial assistance was available through the National NRCS Chesapeake Bay Watershed Initiative (CBWI) Program.

The CBWI provides technical and financial assistance to agricultural producers to implement recommended conservation practices for minimizing nutrient and sediment losses. In turn these practices restore, preserve, and **(continued on page 10)** protect local water



## GULLY EROSION PROTECTION IN BERKS COUNTY (CONT'D FROM P. 9)

quality and the Chesapeake Bay.

In implementing the practices on the Beiler Farm, the NRCS staff from Leesport Field Office, as



well as technicians and engineers from Lebanon Technical Center worked tirelessly on the operation, from completing an Inventory and Evaluation assessment through Construction Checks and final contact requirements. Currently the gully locally formally known as "The Grand Canyon of Morgantown" has been returned to an established, and erosion free, hay field.

Participation of Caernarvon Township in this process was greatly appreciated and is a demonstration in the cooperation and teamwork of different agencies makes a large difference when working together for the common goal, minimizing resource concern.

The voluntary, incentives-

based conservation approach is working; the farmer has made forward progress in reducing sediment and nutrient losses from farm fields through conservation practice adoption in the Chesapeake Bay

Our most crucial partner is the land owner/ decision maker who invests his time, energy and money into applying conservation practices on farm resulting in benefits for current and future generations.

### Conclusion

Manage stormwater properly to prevent gullies before they arise. This is much easier than attempting to control them once they have formed, when climatic, geological and fluvial processes sometimes collude in perfect conditions for their enlargement. For example, where gullies start in areas of fragile clay subsoil atop fertile deep erodes and U-shaped channels may eventually develop.



## PRECAST CONCRETE STRUCTURES FOR NPDES PHASE II COMPLIANCE



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- EPA verified 98% removal rate of 200 micron particles.
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- Penn State University verified 83% removal rate using NJCAT protocol.

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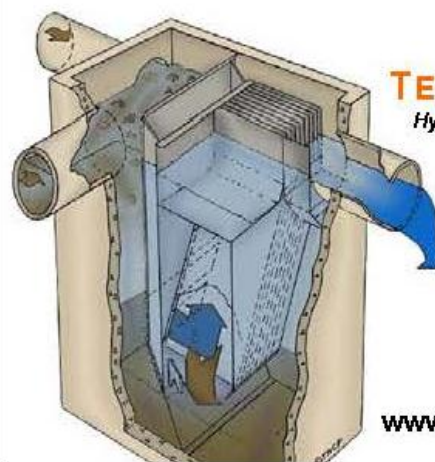
Patent-pending, multi-chambered, precast "Roman Arch" structure for underground stormwater infiltration or detention. Watertight installation when required.

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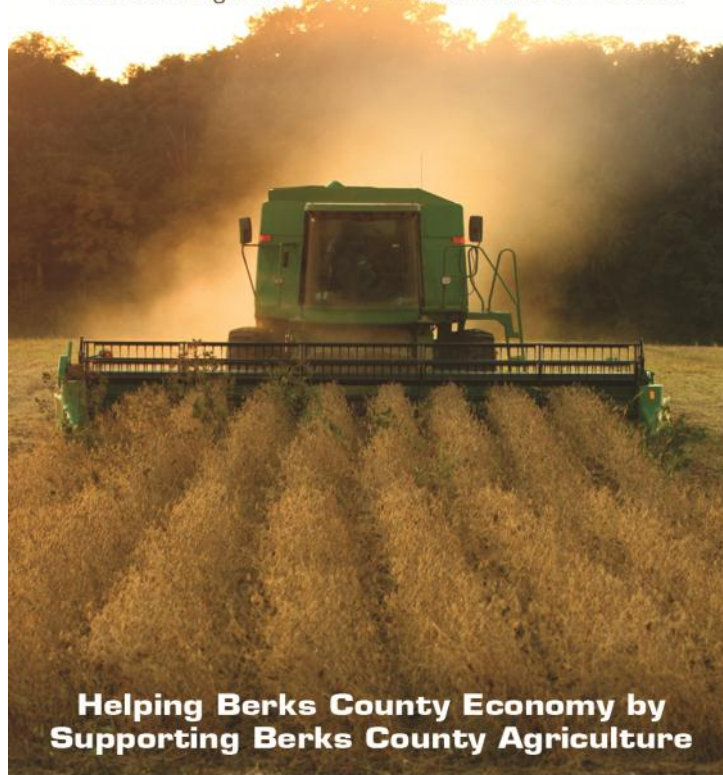
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**NATIVE FLOWERS OF SPRING AND SUMMER WORD SEARCH**



The first THREE people to send the word search back to the Berks County Conservation district with all the words correctly found will win a Berks County Conservation District reusable Tote Bag!

M	L	A	B	T	F	L	O	W	E	R	D	F	N	F
G	T	C	E	V	R	S	B	U	R	E	O	U	Q	A
C	O	B	W	J	H	O	O	L	V	U	O	Y	S	E
F	X	L	X	O	O	B	W	S	C	E	W	T	H	C
W	P	B	D	D	N	A	L	G	N	E	E	W	H	E
N	E	W	B	E	S	J	K	O	A	R	I	R	S	R
R	E	F	L	D	N	Z	G	R	O	R	R	Y	U	P
E	T	U	R	T	L	E	H	E	A	D	E	K	N	F
G	Z	E	E	N	R	I	M	J	O	K	R	A	D	B
N	O	E	N	A	P	M	W	X	N	V	P	O	R	D
I	B	O	N	W	H	M	O	O	H	K	E	S	O	I
G	U	I	T	D	L	W	M	U	W	S	Y	W	P	T
G	U	X	K	M	O	Q	M	S	S	S	C	K	S	G
M	P	K	D	L	X	E	G	V	T	G	H	F	I	J
P	N	Z	G	W	G	F	I	O	S	S	Q	K	C	Y



1. Circle each word you find that is in the below word bank.
2. Scan and email, fax, or mail the word search to the Berks County Conservation District.  
 Berks Co.  
 Conservation District  
 1238 County Welfare Rd  
 Leesport, PA 19533  
[Kathryn.obrien@berkscd.com](mailto:Kathryn.obrien@berkscd.com)  
 Fax: 610-478-7058

- |           |         |        |            |      |
|-----------|---------|--------|------------|------|
| ASTER     | BALM    | BEE    | RAGWORT    | WOOD |
| BLOODROOT | ENGLAND | FLOWER | SUNDROPS   |      |
| MONKEY    | NEW     | PHLOX  | TURTLEHEAD |      |
| GERMANIUM | GINGER  | GOLDEN | WILD       |      |



## CALENDAR

<b><u>MARCH</u></b>	19th 20th 28th	7:00 PM 4:00 PM 1:00PM	FSA/Conservation District Banquet Manure Management Manual Workshop BCCD Board Meeting	Pike Sportsman's Club Berks Agriculture Center Berks Agriculture Center
<b><u>APRIL</u></b>	12th 20th 21st 25th	8AM 9AM-7PM 9AM-12PM 1:00PM	Engineer/Designer Workshop Seedling Sale Pick Up Seedling Sale Pick Up BCCD Board Meeting	Berks Agricultural Center Berks Agricultural Center Berks Agricultural Center Berks Agricultural Center
<b><u>MAY</u></b>	1st 9th 30th	9:00AM 9:00AM 1:00PM	Senior Envirothon Junior Envirothon BCCD Board Meeting	Nolde State Forest Nolde State Forest Berks Agriculture Center
<b><u>JUNE</u></b>	25th-29th 27th	ALL DAY 1:00PM	DHCLS BCCD Board Meeting	Alvernia University Berks Agricultural Center
<b><u>JULY</u></b>	25th	1:00PM	BCCD Board Meeting	Berks Agricultural Center
<b><u>AUGUST</u></b>	29th	1:00PM	BCCD Board Meeting	Berks Agricultural Center



### BERKS COUNTY CONSERVATION DISTRICT

1238 County Welfare Road  
Suite 200  
Leesport, PA 19533

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