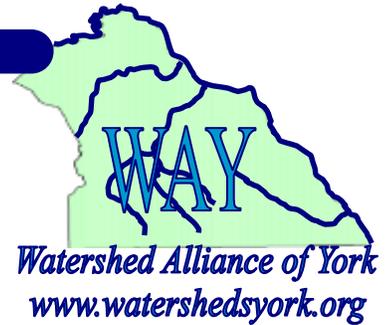


**WAY E-NEWS**

*A coalition of stakeholders committed to being innovative leaders  
encouraging watershed-based planning, restoration and protection*



January 17, 2011

A PUBLIC-PRIVATE PARTNERSHIP

Volume 11, Issue 2

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**WATERSHED CONTACTS****COUNTY PLANNING – (717) 771-9870****CONSERVATION – (717) 840-7430**

- Agricultural conservation planning
- Environmentally sensitive dirt & gravel road maintenance
- Environmental stewardship and watershed protection
- Erosion & sediment control
- Stormwater complaints

**24-HR EMERGENCIES – (877) 333-1904**

- Chemical and oil spills from transport trucks, trains and industrial facilities

**ENVIRONMENTAL – DEP-SCRO**

- General Info 717-705-4700
- Director SCRO 717-705-47047
- Air Quality 717-705-4702
- Energy & Technology 717-705-4703
- Environmental Cleanup 717-705-4705
- Mining (800) 541-2050
- Radiation Protection 717-705-4704
- Waste Management 717-705-4706
- Water Supply Management 717-705-4708
- Water Management 717-705-4707
- Watershed Management 717-705-4704

**FISHERIES – (800) 541-2050**

- Wildlife (fish, reptiles, amphibians) nuisance problems or to report violations

**GAME & WILDLIFE – (888) 742-8001**

- Wildlife (mammals or birds) to report violations or nuisance problems

**ILLEGAL DUMPING**

- Illegal dumping on state forest and park lands (877) 772-3673

**ILLEGAL DUMPING York County 840-7687****MUNICIPAL (Phonebook Blue Pages)**

- Air pollution by burning household garbage
- Dumping waste in surface waters
- Floodplain disturbances
- Municipal and residential septic/sewage problems
- Stormwater management

**NOXIOUS PLANTS – (717) 772-5209****RECYCLING – (717) 845-1066****WETLANDS – (717) 249-2522***Updated 8/17/2010*

- Existing Stream Use updates
- DEP Proposals Currently Open for Comment
- NOTICE – Final Regulations



## WATERSHED ALLIANCE NEWS

### **Ag Land Preservation Board of York County** – [www.york-county.org/gov/AUTH/agri.htm](http://www.york-county.org/gov/AUTH/agri.htm)

<> For information about farmland preservation in York County contact Patty McCandless at [pmccandless@york-county.org](mailto:pmccandless@york-county.org) or call 717-840-7400.

### **Carroll Citizens for Sensible Growth** - <http://carrollcitizens.com/>

<> Contact: Deana Weaver at (717) 432-2211 or [admin@carrollcitizens.com](mailto:admin@carrollcitizens.com)

### **Codorus Creek Watershed Association** – [www.codoruscreek.net](http://www.codoruscreek.net)

- Apr 11 – CCWA Meeting of Members and Board, 7:00 pm, at York Water Co. (Mt. Rose Ave.)
- <> Contact: Jim Leaman at 843-2929

### **Codorus Endowment Implementation Committee** – [www.yccf.org](http://www.yccf.org)

- An advised fund of York County Community Foundation, the Codorus Watershed Endowment (CWE) is a substantial source of charitable support for the stream's improvement and the benefit of the many York Countians who use and enjoy this critical resource - for agriculture, industry, recreation and wildlife, and for drinking water and other municipal purposes. The Endowment was created in December, 2001, with the Foundation's receipt of a \$2 million payment from Glatfelter of Spring Grove, PA, as part of a consent decree settling litigation. A committee of respected environmental, business, and civic leaders has been appointed to lead projects supported by the Endowment.
- <> For more information, contact the York County Community Foundation at 14 West Market Street York, PA 17401-1203. Telephone: York 717.848.3733; Hanover 717.630.1843. Email: [info@yccf.org](mailto:info@yccf.org)

### **Codorus State Park** – [www.dcnr.state.pa.gov](http://www.dcnr.state.pa.gov)

### **Conewago Canoe Club** – [www.conewagocanooclub.org](http://www.conewagocanooclub.org)

- Mar. 3 – Club Meeting – Mount Zion United Church of Christ, 7:00 pm, at Ridgewood Road in Pleasureville
  - Red Lion High School Paddling Instruction Schedule online
- <> Questions or comments e-mail me [oc1mike@comcast.net](mailto:oc1mike@comcast.net), but remember you catch more flies with honey than vinegar.

### **Deer Creek Watershed Association** – <http://deercreekwatershed.com/>

<> Contact Lee McDaniel at [ldmcdaniel@aol.com](mailto:ldmcdaniel@aol.com).

### **Farm & Natural Lands Trust of York County** – [www.farmtrust.org](http://www.farmtrust.org)

<> Contact: Sean Kenny at Farm & Natural Lands Trust of York County • 156 North George Street • Suite 300 • York, PA 17401 • Phone (717) 843-4411 • Fax (717) 854-7452 or [skenny@farmtrust.org](mailto:skenny@farmtrust.org)

### **Friends of Codorus State Park** – [www.friends-of-codorus.org/](http://www.friends-of-codorus.org/)

- March 19 -- Spring Fling-- Hanover Elks
- <> For more information contact Becky Miller at 632-6747 or email [beckymill1@juno.com](mailto:beckymill1@juno.com) or Dave Carbaugh at 637-9875 or email [carbaugh3@embarqmail.com](mailto:carbaugh3@embarqmail.com)

### **Gifford Pinchot State Park** – [www.dcnr.state.pa.us/stateparks/parks/giffordpinchot.aspx](http://www.dcnr.state.pa.us/stateparks/parks/giffordpinchot.aspx)

- Event calendar <http://www.dcnr.state.pa.us/Calendar/list.asp>
- <> Contact Elizabeth Kepley, Environmental Education Specialist, DCNR Bureau of State Parks/Gifford Pinchot State Park, 2200 Rosstown Road, Lewisberry, PA 17339. Phone: 717-432-5011

### **Gunpowder Valley Conservancy** – [www.gunpowderfalls.org](http://www.gunpowderfalls.org)

<> TO VOLUNTEER OR REGISTER FOR FREE or for more information contact Peggy Perry, Program Director for Gunpowder Valley Conservancy at 410-668-0118 or email [little-owl@msn.com](mailto:little-owl@msn.com).

### **Horn Farm Center for Agricultural Education** – [www.hornfarmcenter.org](http://www.hornfarmcenter.org)

- Get involved with the Center! We are looking for Board and Committee members and Center volunteers who have the drive and desire to help move this exciting project forward. If you would like to help, please call or contact: Horn Farm Center 4945 Horn Road York, PA 17406 Phone: (717) 757-6441 Email: [info@hornfarmcenter.org](mailto:info@hornfarmcenter.org) If you're interested in: History, Education, Agriculture, Preservation.....then the Horn Farm Center is the place for you!
- <> Contact: Horn Farm Center for Agricultural Education, 4945 Horn Road, York, PA 17406. Phone: (717)654-0571. Email: [info@hornfarmcenter.org](mailto:info@hornfarmcenter.org). Web: [www.hornfarmcenter.org](http://www.hornfarmcenter.org).

### **Izaak Walton League York Chapter #67** – [www.yorkchapter67iwla.org/](http://www.yorkchapter67iwla.org/)

- Calendar of events – [www.yorkchapter67iwla.org/id21.html](http://www.yorkchapter67iwla.org/id21.html)
- Club Open Meetings are held the Third Tuesday of each month at 7pm in the Clubhouse.

<> Contact: York Chapter #67 IWLA, 7131 Ironstone Hill Road, Dallastown, PA 17313. Club Grounds Phone: 717-428-2000 \*Leave a message for the Committee Contact or Club Officer you are trying to reach. Committee Contacts & Club Officers are listed on the Club Information Page. If no phone or email address is listed contact club grounds phone number.

**Lower Susquehanna Riverkeeper** - [www.lowersusquehannariverkeeper.org](http://www.lowersusquehannariverkeeper.org)

- Seeking a Full-Time OPERATIONS DIRECTOR.

<> Contact: Michael Helfrich, Lower Susquehanna RIVERKEEPER®, York, PA. Cell phone: 717-779-7915 E-mail: [lawsusriver@hotmail.com](mailto:lawsusriver@hotmail.com).

**Maryland's Upper West Shore Trib Team** - [http://www.dnr.state.md.us/bay/tribstrat/upper\\_west/up\\_west\\_shore.html](http://www.dnr.state.md.us/bay/tribstrat/upper_west/up_west_shore.html)

<> Contact: Mike Bilek, Tributary Team Coordinator, MD DNR, Tawes Office Building, Annapolis, MD 21401. Ph: 410-260-8988. E-mail: [mbilek@dnr.state.md.us](mailto:mbilek@dnr.state.md.us)

**Mason-Dixon Trail System, Inc.** - <http://www.masondixontrail.org/>

<> Contact: James Hooper at 717/252-3784 or [j.e.hooper@ieee.org](mailto:j.e.hooper@ieee.org)

**Mid-Atlantic Ecological Landscapes Partnership [MAEscapes]** - [www.maescapes.org](http://www.maescapes.org)

- Jan 24 - Advisory Board meeting, 6:30 pm, York County ANNEX

<> Contact: 717-840-7408 or Connie Schmotzer at [cxs51@psu.edu](mailto:cxs51@psu.edu)

**Peach Bottom Concerned Citizens Group Inc.** - [www.pbccg.com](http://www.pbccg.com)

<> Contact Maria Payan by email [pbccg@hotmail.com](mailto:pbccg@hotmail.com) or mail: Peach Bottom Concerned Citizens Group, P.O. Box 307 Delta, PA 17314. PBCCG, Inc is a nonprofit organization supported solely by volunteers and donations.

**Prettyboy Watershed Alliance** - [www.prettyboywatershed.org](http://www.prettyboywatershed.org)

- Become a PWA Member: Support PWA programs and activities to preserve our watershed.

<> Contact: Nancy Shaper at [nshaper@jhmi.edu](mailto:nshaper@jhmi.edu)

**Sierra Club - Gov. Pinchot Group of PA** - <http://pennsylvania.sierraclub.org/pinchot/>

- Monthly meetings will be held the last Tuesday of the each month at 6:30 pm in the Community Room at the Giant at 2300 Linglestown Rd, Harrisburg, PA 17110. All members are welcome!

<> Kim Anderson at [sgfornyc@aol.com](mailto:sgfornyc@aol.com).

**Spoutwood Farm Center for Sustainable Living** - [www.spoutwood.com](http://www.spoutwood.com)

- Board of Directors meeting January 28, 2011, 7:00 PM, at the farm

<> Contact Rob & Lucy Woods at Spoutwood Farm at 717-235-6610 or [spoutwood@comcast.net](mailto:spoutwood@comcast.net).

**Susquehanna Gateway Heritage Area** - <http://www.susquehannaheritage.org/>

- We are currently developing our 2011 Calendar of Events. The following events have been scheduled:

- Wednesday, April 13 - Susquehanna Heritage Lecture Series - 6:30pm Rocks and Mining History along the Lower Susquehanna River, Presented by Jeri Jones, Jones Geological Services
- Saturday, April 23 - Guided walking tour - Shenk's Ferry Wildflower Preserve - Lead by Mark Arbogast, Park and Recreation Expert - 10am-11:30am

Questions? Please contact Marie Cartwright, Outreach & Communications Coordinator [mcartwright@susquehannaheritage.org](mailto:mcartwright@susquehannaheritage.org) or 717-252-0229 ext. 4

- SGHA is pleased to announce the launch of our new membership program. If you are interested in helping support our work as a Heritage Area, or for more information about the membership program, visit our website [www.SusquehannaHeritage.org](http://www.SusquehannaHeritage.org) or click here <http://www.susquehannaheritage.org/SGHAMembership.asp>.

<> Contact Mark Platts, Susquehanna Heritage Corporation, 1706 Long Level Road, Wrightsville, PA 17368. Office: 717-252-0229. E-mail: [info@lyhr.org](mailto:info@lyhr.org).

**Susquehanna Greenway Partnership** - [www.susquehannagreenway.org](http://www.susquehannagreenway.org)

<> For more information about the Susquehanna Greenway, please contact: The Susquehanna Greenway Partnership, 201 Furnace Road, Lewisburg, PA 17837. Phone: 570-522-7211. Email: [greenway@susquehannagreenway.org](mailto:greenway@susquehannagreenway.org)

**Trout Unlimited Codorus Chapter #558** - [www.codorustu.org](http://www.codorustu.org)

- Feb 9 - Monthly Chapter Meetings 2nd Wednesday, 7:00 p.m., at Gander Mtn. (winter)

<> Contact: Tom Finenze at 840-1372 or [tom@codorustu.org](mailto:tom@codorustu.org). Cancellations due to winter weather will be announced here, and on WSBA Radio, 910 AM.

**Trout Unlimited Muddy Creek Chapter #575** - <http://muddycreektu.org/>

- Jan 19 - Chapter Meeting at [Collinsville Fish & Game](http://Collinsville Fish & Game)

<> Contact: Ron Heuston, President MCTU, 244-1851 or [Heuy1955@aol.com](mailto:Heuy1955@aol.com)

**Watershed Alliance of Adams County** - <http://www.adamswatersheds.org/>

- Meet the 3rd Wednesday @5pm.

<> Contact: Adam McClain, Ph: 717-334-0636; E-mail: [stilden@adamswatersheds.org](mailto:stilden@adamswatersheds.org)

**Watershed Alliance of York** - [www.watershedsyork.org](http://www.watershedsyork.org)

- Apr. 6 – Annual Meeting of WAY Board of Directors, 7:00 PM, at 324 W. Market St., York, PA.
  - GoodShop Deals for WAY - <http://www.goodsearch.com/goodshop.aspx>
    - Weight Watchers – Start Now & Save up to 35%! Choose the weight-loss option that's right for you: Find a meeting near you or sign up for Weight Watchers Online. + \$6 donation to WAY.
    - Botanic Choice - Take 25% off any order at Botanic Choice + get \$2.95 shipping on any order! + 12.5% donation to WAY.
    - 24 Hour Fitness – \$0 initiation fee and \$34.99 monthly dues on an all-club sport membership at 24 Hour Fitness! Exclusions Apply. + 2.5% - 7.5% donation to WAY.
    - Organize.com – Take advantage of Organize.com's biggest sale of the year! Take 20% off more than 2,000+ items. + 4% donation to WAY.
    - OfficeMax – Take 20% off your purchase at OfficeMax.com. + 2%-3% donation to WAY.
    - OfficeDepot – Take \$30 off your delivery order of \$150 or more from OfficeDepot.com! Excludes Technology. +.5% - 3.5% donation to WAY.
  - WAY E-News – Published by the Watershed Alliance of York, Inc. to inform the public about news and information that affect York County watersheds and beyond. PLEASE SHARE WITH YOUR MEMBERSHIP AND E-MAIL LIST. Contributions of news, events and information relating to watershed education, funding, planning, restoration, protection, and stewardship welcome. Send contribution to and contact us for mailing list additions/changes to the e-mail address below. Distribution: electronic (1,850). Frequency: bi-weekly. Subscription: No charge. Editor: Gary R. Peacock.
  - You can make [www.goodsearch.com](http://www.goodsearch.com) and be sure to enter WAY as the charity you want to support.
- <> Contact: Watershed Alliance of York, Inc. (WAY), C/o York County Conservation District, 118 Pleasant Acres Road, York, PA 17402. Phone: (717) 840-7430. Facsimile: (717) 755-0301. E-mail: [gpeacock@yorkccd.org](mailto:gpeacock@yorkccd.org)

**Yellow Breeches Watershed Association** – [www.ybwa.org](http://www.ybwa.org)

<> Contact: John Eby, President, at [john\\_eby@lower-allen.pa.us](mailto:john_eby@lower-allen.pa.us)

**York-Adams Regional Smart Growth Coalition** – [www.yorkadamssmartgrowth.org](http://www.yorkadamssmartgrowth.org)

<> Contact Shanna M. Wiest, Government Affairs Director, REALTORS Association of York & Adams Counties, Inc. 901 Smile Way York, PA 17404. Phone: (717) 843-7891. Fax: (717) 854-0720. <http://www.rayac.com>

**York Audubon Society** – <http://www.yorkaudubon.org/>

- Monday, February 14, 2011: Donald and Marion Wilson present “Our Best Pictures”
  - Monday, March 14, 2011: Harry Campbell presents “From Pennsylvania to the Bay: Challenges and Solutions for Restoring Our Streams and the Chesapeake”
- <> Contact Tom Smith at 717-246-9767 or [tjs35@psu.edu](mailto:tjs35@psu.edu).

**York County Conservation District** – [www.yorkccd.org](http://www.yorkccd.org)

- Board meets 2nd Friday, 11:30 a.m. (December-March) and 2nd Thursday, 7:00 p.m. (Apr.-Nov.), at the York County ANNEX
  - Rain Barrel Sale! Visit our website for more information and prices.
- <> Contact: YCCD at 717-840-7430 or [yorkccd@yorkccd.org](mailto:yorkccd@yorkccd.org)

**York County Parks & Recreation** – [www.YorkCountyParks.org](http://www.YorkCountyParks.org)

- Featuring 11 parks and approximately 4,300 acres, the York County Department of Parks and Recreation awaits your visit. Trails, lakes, pavilions, streams, and creatures of all kinds eagerly look forward to seeing you. So bundle up, pack some hot cocoa, and bring the family out to hike the trails, sled on the hills, watch the stars, and breathe in the crisp, fresh air of the New Year.
- <> For more information, contact York County Department of Parks and Recreation, 400 Mundis Race Road, York PA 17406-9721. Phone: (717) 840-7440. E-mail: [Parks@York-County.org](mailto:Parks@York-County.org). Web: [www.YorkCountyParks.org](http://www.YorkCountyParks.org). Nixon Park Nature Center, 5922 Nixon Drive • York PA 17403. Phone: (717) 428-1961. E-mail: [NixonCountyPark@york-county.org](mailto:NixonCountyPark@york-county.org).

**York County Planning Commission** – [www.ycpc.org](http://www.ycpc.org)

- Meets 1st Tuesday at 7:30 p.m., except Wed. Nov. 1 at 7:30 and Tues. Dec. 1, 6:00 p.m., at 28 E. Market St., 2nd Floor.
- <> Contact YCPC at 717-771-9870 or [planner@ycpc.org](mailto:planner@ycpc.org)



## **WATERSHED EDUCATION & OUTREACH**

**EPA Establishes Landmark Chesapeake Bay ‘Pollution Diet’**

PHILADELPHIA (Dec. 29, 2010) The U.S. Environmental Protection Agency in December 2010 established a landmark “pollution diet” to restore clean water in Chesapeake Bay and the region’s streams, creeks and rivers. This pollution diet is driven primarily by jurisdictions’ plans to put all needed pollution controls in place by 2025 and EPA will hold jurisdictions accountable for results along the way. The pollution diet, formally known as the Chesapeake Bay Total Maximum Daily Load (TMDL), identifies the necessary reductions of nitrogen, phosphorus and sediment from Delaware, Maryland, New York, Pennsylvania, Virginia, West Virginia and the District of Columbia. The TMDL is shaped by an extensive public and stakeholder involvement effort during the past two years, coupled with detailed plans by jurisdictions for how they will achieve pollution reductions. The TMDL is required under federal law and responds to consent decrees in Virginia and D.C. dating back to the late 1990s. The TMDL, as well as evaluations of the state plans and EPA backstops and contingencies can be found at <http://www.epa.gov/chesapeakebaytmdl>

### **DEP, Ag Secretaries With New Federal Guidelines in Place, PA Ready to Help Clean Up Chesapeake Bay**

HARRISBURG – Now that the U.S. Environmental Protection Agency has outlined its final “pollution diet” for states in the Chesapeake Bay watershed, Pennsylvania’s top environmental and agriculture officials say the state is ready to do its part to improve water quality. Environmental Protection Secretary John Hanger and Agriculture Secretary Russell Redding said Pennsylvania’s plan provides a reasonable assurance that it can clean up the water flowing into the bay while keeping industries in the watershed viable. Hanger said that while the state has already reduced its nitrogen contributions to the bay by 28 percent, phosphorus by 46 percent, and sediment by between 38 and 46 percent, more work remains to be done. The total maximum daily load, or TMDL, the EPA imposed today, he added, specifies the additional pollution reductions that are necessary to bring the bay back to good health. The EPA’s final, enforceable allocations call for Pennsylvania to reduce by 2025 annual nitrogen discharges to 76.8 million pounds; phosphorous discharges to 2.7 million pounds; and sediment to between 0.95-1.05 million tons per year. Pennsylvania’s plan, referred to as a watershed implementation plan, or WIP, calls for continuing existing programs that have proven effective and, in some cases, improving the capacity to track and expand those efforts; implementing new programs that take advantage of advanced and innovative technologies; and enhancing common sense compliance efforts, particularly for nonpoint sources such as agriculture and stormwater runoff from development. Hanger noted that the state is not requiring wastewater treatment plants to make further reductions in line with a commitment DEP made in 2006 with its point source strategy. That strategy was incorporated into the state’s WIP. Pennsylvania will improve its ability to track nutrient and sediment reductions made by farmers and other land managers through the plan. Until now, usually only those best management practices, or BMPs, that were associated with a federal or state grant program were reported to the Bay Program, which meant many improvements went unnoticed. Improving communications and cooperation with farmers and partners like county conservation districts will be critical to the success of this effort, Redding added. DEP recently funded a pilot tracking project in Lancaster and Bradford counties to better assess the type and level of BMPs farmers are implementing, and to explore the effectiveness of various tracking and reporting methods. The results will then be used to develop a uniform reporting tool to better capture the pollution reductions from these previously unreported efforts. Pennsylvania’s plan also calls for using new and innovative technologies to reduce pollution. The state has proposed creating a \$100 million program—funded by the federal government, states within the bay watershed and other key stakeholders—that would finance four to eight manure-to-energy projects, for example, each year. Each project could remove close to 1 million pounds of nitrogen from the Chesapeake Bay. DEP and the Department of Agriculture have been working with a number of companies to look for ways to install technologies like manure treatment, methane digesters and electrical co-generation equipment on dairy, poultry and hog farms. These technologies can help reduce nutrient pollution while also producing electricity and marketable soil products that create additional revenue streams for farmers and rural communities. For more information, visit [www.depweb.state.pa.us](http://www.depweb.state.pa.us), keyword: Chesapeake Bay.

### **Farm Bureau sues EPA over Chesapeake Bay cleanup**

HARRISBURG, Pa. (AP) - Farmers' groups are suing the federal government over the Chesapeake Bay clean-up plan, saying its pollution standards aren't legally enforceable. The American Farm Bureau Federation and the Pennsylvania Farm Bureau filed the complaint against the U.S. Environmental Protection Agency in federal court in Harrisburg on Monday, calling the recently enacted standards flawed in several respects. The lawsuit says states, rather than the EPA, have the authority under the Clean Water Act to implement the total maximum daily load levels for nitrogen, phosphorus and sediment. The head of the farm federation says the pollution standards could devastate agricultural operations throughout the bay's watershed.

### **For the Bay: Chesapeake nutrient imbalance must be addressed**

UNIVERSITY PARK, Pa. – The problem plaguing the Chesapeake Bay is widely known and obvious, according to a crops and soils expert in Penn State’s College of Agricultural Sciences. But after decades of trying to save the famous estuary by spending billions of dollars on pollution-control measures, we have made a lot of progress but we still have a long way to go to solve the problem. The bay watershed is out of balance, noted Doug Beegle, Distinguished Professor of Agronomy. Simple to say, easy to see – devilishly difficult to fix in today’s world. And while agriculture is not entirely to blame – excess nutrients are also coming from sewage-treatment plants and urban runoff – about half of the problem involves farm fields and agricultural facilities. Simply put, too many nutrients are brought into the Chesapeake drainage in the form of grain from places like the Midwest to feed cattle, pigs and poultry in Pennsylvania, Maryland and Virginia. The animals convert only about a quarter of the nutrients in the grain into meat, milk and eggs, and the remainder – in the form of nitrogen and phosphorous in manure – doesn’t leave the watershed. Some of the excess nitrogen and phosphorous in manure eventually finds its way to rivers such as the Susquehanna, and ultimately ends up in the bay. There, the nutrients fuel explosive blooms of algae that, when alive, prevent sunlight from reaching the bay’s bottom, and when dead and decaying, absorb virtually all oxygen available in the water. As a result, huge ecological dead zones develop in the Chesapeake each summer, making about a third of the 210-mile-long estuary, the country’s largest, uninhabitable for living creatures. Nutrient pollution from agriculture is one of the contributors to a dramatic decline in the bay’s celebrated oyster fishery and loss of the once-vast beds of eelgrass the Chesapeake’s ecosystem depends on. In an ideal world, Beegle pointed out, the manure would be returned to where the crops were grown, transported out of the Chesapeake watershed. “But it’s hard to see how that could ever happen practically,” he said. “It may sound simplistic and perhaps silly, but honestly, that is the kind of thing that needs to happen.” The imbalance is immense. A recent summary compiled by the Mid-Atlantic Water Program reports that Pennsylvania alone is more than 50 million pounds in excess of crop phosphorous needs. The problem is systemic, Beegle noted. “It results from the way agriculture is organized and goes back to the period right after World War II when people in the Midwest discovered they could grow grain using fertilizer cheaply and sell it to folks in the East for animal agriculture for a nice profit.” Farmers in Pennsylvania and the East who produce animals for food buy grain so economically that they don’t need a lot of land. “You might have nutrients from a 1,000-acre grain farm in Iowa ending up on a 100-acre animal farm in Lancaster County, and this is driven by an economic advantage both producers realize,” Beegle explained. “Historically the farmer who is buying the grain and feeding his animals sees only the cost of spreading manure on his land. The environmental costs of that excess is not borne by anyone, and the whole system has evolved so that the environment is bearing that cost. The real issue now is, if it is unacceptable for the environment to bear that cost, who is going to pay?” Farmers within the bay watershed have become much better at limiting pollution from their animals – incorporating best-management practices into their operations, such as no-till planting to reduce soil loss and erosion, using cover crops in their rotations, observing proper application rates when spreading manure on fields, reducing runoff from barnyards, erecting stream-bank fencing and planting riparian buffers. “Farmers have made great strides, no question, and as new technologies such as manure injection catch on, they will do even better,” Beegle said. “But it’s not enough. The bottom line is the nutrient imbalance continues. We have done a lot with nutrient management, and we will do even more, but we can’t simply manage our way out of this situation given the large

excess in the system." Complicating the bay's excess-nutrient problem is that it is closely tied to food prices. Because the cost of dealing with the nutrient imbalance is not being paid, prices for meat and dairy products produced in the Chesapeake watershed can stay low and be competitive. But if the estuary is to be saved, the cost of environmental stewardship must be covered. "Food consumers are benefitting from the current situation, but now somebody has to pay if we are going to solve the bay problem," he said. "Will people pay higher food prices to benefit the bay, or will they choose to buy food cheaper from other places? Should government and taxpayers pay? Or, should animal agriculture be curtailed in the bay watershed? Can this be addressed through the Farm Bill and national food policy? There are tough choices to be made." Farmers in the Chesapeake watershed are competing in a global market, and if they have to pay the full costs of environmental stewardship, then they can't compete, Beegle contends. "The American people must realize the benefits of having a secure food supply and of having a viable agriculture in the bay watershed," he said. "The question is, how can we get these costs internalized into the global market place so that society is willing to pay the real costs of producing food in a sustainable way? This question currently focuses on the Chesapeake Bay but ultimately affects food and environmental policy globally, according to Beegle. "Farmers in the Chesapeake basin want to do the right thing for the bay and the environment, but we have to figure out how to give them the wherewithal to do it," he said. "All of us who live in the bay watershed and enjoy the beauty and the bounty of the watershed must have the courage to face this issue realistically."

#### **State Issues Updated Fish Consumption Advisories for 2011**

HARRISBURG – State officials today released an updated list of fish consumption advisories that includes nine new advisories and also eases or lifts seven other advisories. The advisories were developed through a partnership between the Pennsylvania Fish and Boat Commission and the state departments of Environmental Protection, Health, and Agriculture. The advisories are only for fish caught recreationally and do not apply to fish raised for commercial purposes or those bought in stores or restaurants. While fish can be part of a healthy, balanced diet, some fish caught in Pennsylvania may contain chemicals of concern such as mercury and PCBs. These contaminants exist in some waterways due to unregulated industrial practices of the past. Consumers can reduce the potential risk of exposure to organic contaminants by properly cleaning, skinning, trimming and cooking fish. Proper preparation generally includes trimming away fat and broiling or grilling the fish to allow remaining fat to drip away. Juices and fats that cook out of the fish should not be eaten or reused for cooking or preparing other foods.

All of Pennsylvania remains under a blanket advisory that recommends limiting consumption of any recreationally-caught fish to one meal per week. This advisory is designed to protect against eating large amounts of fish from waters that have not been tested, or for certain species that have not been tested or fish that may contain other unidentified contaminants. One meal is considered to be one-half pound of fish for a 150-pound person. Consumption advisories have been lifted for the following:

- West Conewago Creek in York County for Smallmouth Bass;

More information on fish consumption advisories and the most current advisories are available online at [www.depweb.state.pa.us](http://www.depweb.state.pa.us), Keyword: "Fish Advisories" and <http://www.fishandboat.com/fishpub/summary/sumconsumption.pdf>.

#### **Governor Rendell: Latest Growing Greener Grants Making Real, Positive Difference for Communities, Environment**

HARRISBURG – In announcing the latest round of Growing Greener grants—as well as funding from the federal government—Governor Edward G. Rendell said that the commonwealth is investing in projects that provide visible and measurable improvements to the environment despite the increasingly limited nature of the funds. All told, the Governor said the state was awarding \$14.1 million for 87 projects in 36 counties that would, among other things, plant more than 100 miles of riparian buffers, improve stream banks along nearly 30,000 feet of waterway, and treat hundreds of millions of gallons of acid mine drainage each year. Additionally, the Governor said a portion of the projects are serving to educate the public, school children and farmers about good environmental stewardship and conservation practices. Those lessons, he added, will pay lifelong dividends. Of the funding announced today, \$8.13 million for 62 projects comes from Pennsylvania's Growing Greener program. Approximately \$4.17 million for 21 projects was provided by the U.S. Environmental Protection Agency's Section 319 Nonpoint Source Management Program, which was created through the federal Clean Water Act to help reduce water pollution from nonpoint sources. The remaining nearly \$1.8 million was funded by a reclamation fund supported by forfeited bond proceeds from mining companies. In this latest grant round, there were 163 applications requesting \$41.7 million. Nearly \$30 million in projects were unfunded, leaving untold miles of streams in need of restoration, protection and treatment and many acres of abandoned mine lands in need of reclamation work to eliminate safety hazards. Governor Rendell said the importance of this work and the demand for additional funding clearly underscore why it is important to continue the Growing Greener program and identify new sources of funding. He noted that the funds available through Environmental Stewardship Fund to support Growing Greener grants and other environmental improvement efforts have declined from \$111 million in 2003 to \$70.6 million in 2009. The fund is supported by tipping fees, but with less waste being disposed of and treated in Pennsylvania, revenues have declined. For more information, including a list of each project receiving funding as part of today's announcement, visit [www.depweb.state.pa.us/growinggreener](http://www.depweb.state.pa.us/growinggreener) and click on "Watershed grants."

#### **MS4 Meeting Promotes Green Stormwater Management**

Urban and suburban development is the fastest growing land use in the Chesapeake Bay Watershed. Along with growth comes an increase in impervious surfaces and increased stormwater discharges. Stormwater carries with it nutrients and pollutants from yards, roads, parking lots, roofs – in fact any surface in the watershed that receives rainwater runoff. The Municipal Separate Storm Sewer System (MS4) Program is a federally mandated initiative, administered by the Pennsylvania Department of Environmental Protection. The Program's ultimate goal is to ensure that municipal stormwater conveyance systems are discharging clean water. Municipalities that are included in the program are required to perform public outreach and education as well as solicit public participation in clean water efforts. Municipalities must develop a map of their stormwater conveyance systems and create a method for detecting illicit discharges as well as a plan to eliminate those discharges. They are also required to participate in regulation of erosion and sedimentation control both during and after construction activities and perform "good housekeeping" activities to prevent pollution. One of a series of programs was held in York, PA to help municipal officials and municipal engineers implement new cost effective stormwater best management practices (BMPs). On December 15, 2010, 53 York County MS4 municipal officials, employees and engineers learned more about the new applications and permitting that will be required to meet total maximum daily loads (TMDLs) for the Chesapeake Bay. According to Vincent Cotrone, Extension Urban Forester, "The greener, the better, when it comes to stormwater management." Penn State Cooperative Extension in partnership with the School of Forest Resources, the York Conservation District, Watershed Alliance of York, DCNR, the Villanova Urban Stormwater Partnership, and the USDA Forest Service provided this training to municipal officials, engineers, community planners, and others interested in managing stormwater and protecting water quality.

### **York County Circuit Rider**

In a new twist on an old idea, York County municipalities and landowners have benefited from a Circuit Rider dedicated to getting projects that help clean-up the Chesapeake Bay implemented. Jake Romig, York County Circuit Rider, was hired to help local governments find the resources, design the projects, apply for grants, get the permits to implement projects that reduced nutrient and sediment loads to the Chesapeake Bay. The Circuit Rider worked directly with eight municipalities and over 40 local landowners including farmers. He wrote grant proposals that pulled in over \$1,000,000 to implement local projects. The York County Circuit Rider Pilot Project has two overarching objectives: 1) Engaging local governments and 2) On-the-ground implementation. A report of the first year's work can be viewed at [https://allianceforthebay.org/wp-content/uploads/2011/01/Circuit-Rider-Final-Report\\_v-2.pdf](https://allianceforthebay.org/wp-content/uploads/2011/01/Circuit-Rider-Final-Report_v-2.pdf). The on-going project is a partnership between the Alliance for the Chesapeake Bay and the York County Community Foundation with funding from the Environmental Protection Agency and the Chesapeake Bay Program.

### **Pennsylvania Game Commission Seedlings for Schools**

The Pennsylvania Game Commission is happy to announce that Seedlings for Schools is back again this year. Pennsylvania schools, K-12, can receive free seedlings to plant on school grounds or send a tree home with a student to plant at home. Please see attachment for the announcement and program description. Two ways to participate:

1. Seedlings for Your Class: The Pennsylvania Game Commission provides a class-room or grade level with enough seedlings for each student to take a seedling home to plant. (This year seedling choices are Silky dogwood or White Pine. One teacher's guide comes with the seedlings.
2. Seedlings to Develop Habitats: Primarily for middle and high school students, the Commission provides a variety of seedlings to students interested in planting seed-lings on school or community grounds to improve habitat, plant along a stream, develop a tree nursery, or create an environmental area.

These programs are open to Pennsylvania K-12 schools. There is no charge to participate in these programs. Homeschoolers, please combine orders with your home school group or association. Orders are taken on-line only!

- Seedlings for Your Class: Order between January 24th- April 1, 2011
- Seedlings to Develop Habitats: Order between Feb. 28- April 1, 2011

Seedling For Schools is coordinated by the Pennsylvania Game Commission's Howard Nursery, Bureau of Wildlife Habitat Management and the Division of Conservation Education, Bureau of Information and Education. Questions? Please contact Theresa Alberici at 717-787-1434 talberici@state.pa.us or Howard Nursery 814/355-4434 .

### **Bay Games Make Great Winter Gifts for Kids**

2010 Bay Games are still available and are great activity books for children during the winter. These free booklets offer fun activities while teaching children about the value of our natural world. MDDNR has begun its fundraising campaign to produce the 2011 Bay Game. To order Bay Games, make a donation or purchase advertising in next year's booklet, please contact Jill Kubatko at [jkubatko@dnr.state.md.us](mailto:jkubatko@dnr.state.md.us).

### **Winter 2011 Environmental Programs at Holtwood**

DATE	PROGRAM	LOCATION*	TIME
Sat., Jan. 29	Native American Life in the Susquehanna River Basin Part 1 Part 2	HEC	1-2:30 p.m. 3-4:30 p.m.
Sat., Feb. 26	Basic Boating Safety Course Registration required by Feb. 20	HEC	9 a.m. to 5 p.m.
Sun., March 6	Eagles in their Habitat	L12	2-3:30 p.m.

\* Location Code: HEC – Holtwood Environmental Center L12 – Lock 12

For more information, please visit our website at [www.pplpreserves.com](http://www.pplpreserves.com),  
call 1-800-354-8383 or e-mail [pplpreserves@pplweb.com](mailto:pplpreserves@pplweb.com).

For information on the current river conditions, call the Lower Susquehanna Hot Line at 1-800-692-6328.

### **Winter 2011 Environmental Programs at Brunner Island**

DATE	PROGRAM	LOCATION*	TIME
Tues., Feb. 8	Day One of the Battle of Gettysburg Advanced registration required by Feb. 3	CR	7-8:30 p.m.
Sat., March 5	Basic Boating Safety Course Advance registration required by March 1	CR	8 a.m. to 4 p.m.

\* Brunner Island: CR – Main Conference Room, Gate A

For more information, please visit our website at [www.pplpreserves.com](http://www.pplpreserves.com),  
call 1-800-354-8383 or e-mail [pplpreserves@pplweb.com](mailto:pplpreserves@pplweb.com)



## **WATERSHED FINANCIAL ASSISTANCE**

### **U.S. EPA Sustainable Chesapeake: A Collaborative Approach to Urban Stormwater Management – Jan 31**

The U.S. Environmental Protection Agency (EPA) is seeking proposals for integrated, transdisciplinary research centers that will advance scientific understanding of how to influence human and institutional behavior to prevent pollution from entering Chesapeake Bay. Presidential Executive Order 13508 (Executive Order, 2010) directs the Federal government to lead efforts to restore and protect the Chesapeake Bay. To that end, as part of its Science to Achieve Results (STAR) program, is seeking applications for "Sustainable Chesapeake" Research Centers to explore sustainable urban stormwater management. EPA is specifically interested in supporting research to identify new, collaborative approaches to reduce urban stormwater inputs into Chesapeake Bay. Each Center research project should include three components: physical/biological science, social science, and measures of success or progress. Research areas of interest include: applying existing stormwater-reduction techniques in new ways; developing new techniques and technologies; identifying the reasons existing strategies to restore or protect the Chesapeake Bay have succeeded or failed; developing methods and metrics to document water-quality improvements in Chesapeake Bay tributaries; and developing sector-specific strategies such as for residential areas, industrial settings, commercial developments, or transportation infrastructure. The closing date for applications is January 31, 2011.

[http://epa.gov/ncer/rfa/2011/2011\\_star\\_chesapeake.html](http://epa.gov/ncer/rfa/2011/2011_star_chesapeake.html)

### **Charles Bullard Fellowship in Forest Research – Feb 1**

The Charles Bullard fellowship program is to support advanced research and study by individuals who show promise of making an important contribution, either as scholars or administrators, to forestry and forest-related subjects from biology to earth sciences, economics, politics, administration, philosophy, humanities, the arts or law. <http://harvardforest.fas.harvard.edu/education/bullard.html>

### **Five Star Restoration Grant Applications Available – Feb 14**

The Five Star Restoration Program is accepting applications for the 2011 round of funding through February 14. This program funds wetland, river or stream restoration in connection with community-based environmental education.

<http://www.naco.org/programs/csd/Pages/FiveStar.aspx>

### **Toyota Tapestry Grants Open to Science Teachers – Feb 23**

Toyota Motor Sales U.S.A. Inc. and the National Science Teachers Association announce the opening of the 21st Toyota TAPESTRY Grants for Science Teachers program. Fifty grants of up to \$10,000 each will be awarded to K-12 science teachers in the United States. This year's topic area is Environmental Science. Proposal applications are online and due Feb. 23. For more information: Toyota TAPESTRY Grants - NSTA Website <http://tapestry.nsta.org/>

### **Change the World Challenge Offers Prizes/Funding – Mar 15**

Students and teachers of grades K-12 are invited to become "Agents of Change" by improving their communities through the Siemens We Can Change the World Challenge. This national sustainability challenge, sponsored by the Siemens Foundation, Discovery Education and the National Science Teachers Association, encourages students to create replicable solutions to environmental issues. Winning entries will receive prizes and/or scholarship and grant money; deadline is March 15. For more information: "We Can Change the World Challenge"

<http://www.wecanchange.com/>

### **Nearly \$180 Million Available for State, Local, and Tribal Governments Climate and Energy Projects**

Nearly \$181 million is available in current or upcoming funding opportunities for state, local, and tribal governments from the U.S. Department of Housing and Urban Development (HUD), U.S. Department of Agriculture (USDA), the U.S. Department of Commerce, and the U.S. Environmental Protection Agency (EPA) that can be used to support climate and energy initiatives, including energy efficiency, regional planning, and community education.

<http://www.sustainablecommunitiesandstates.org/2010/11/nearly-180-million-in-federal-funding-for-state-local-and-tribal-governments/>

### **ShadeFund: Our New Way To Seed Green Businesses**

You've heard about microlenders helping move people from poverty to greater economic self-sufficiency in the developing world. At The Conservation Fund, we're putting a similar strategy to work here at home with a special twist. Our new ShadeFund program provides small loans to green entrepreneurs who use natural resources responsibly. Our goal? Spur a greener economy by supporting sustainable farms, forestry and forest products, eco-tourism and small-scale renewable energy production and, by doing so, sustain working natural lands and the people who depend upon them. We're off to a strong start, thanks to a keystone investment by Mercedes-Benz USA—which has committed to invest in 10-12 green entrepreneurs over the next two years—and a lead grant from the U.S. Endowment for Forestry and Communities. Read about two businesses—a furniture maker that salvages downed trees and a glorious lavender farm—that just received our first ShadeFund loans at <http://community.conservationfund.org/page.redir?target=http%3a%2f%2fwww.conservationfund.org%2fnews%2fmercedes-benz-shadefund&srcid=3980&srctid=1&erid=88865&trid=6bfa1740-71de-4bc2-8f5f-b126de773c98>.

### **Environmental Workforce Development and Job Training Grant**

EPA is soliciting proposals from local government and non-profit organizations, to deliver environmental workforce development and job training programs focused on hazardous and solid waste management, assessment, and cleanup-associated activities.

<http://www07.grants.gov/search/search.do?&mode=VIEW&oppld=60173> or <http://www.epa.gov/oswer/docs/grants/epa-oswer-oblr-11-01.pdf>

### **Source Reduction Assistance Grant Program**

EPA's Regional Pollution Prevention Program Offices (except Region 6) anticipate having up to \$130,000 per region to issue Source Reduction Assistance (SRA) awards in Fiscal Year (FY) 2011 to support pollution prevention (P2)/source reduction projects in FY 2012.

<http://www.grants.gov/search/search.do?mode=VIEW&oppld=60933>

## **WATERSHED FACILITATION ASSISTANCE**

### **York County Corn & Crop Clinic – Jan 25**

Tuesday, January 25, 2011, 9:00 AM – 2:40 PM, York County 4-H Center. Crop Growers: Please join us again this year for the annual Corn & Crop Clinic. Special guest speaker Dr. Doug Beegle, Extension Soil Fertility Specialist, who will talk about “What’s Happening in the Chesapeake Bay; What it Means to Our Farms” and Mark Flaharty, York County Conservation District. The cost to attend is \$5.00 per person for reservations received by January 20, 2011. The fee for late registrations and tickets sold at the door will be \$8.00, so be sure to register in advance. The registration fee helps recover costs of morning refreshments and lunch. To make reservations call 717-840-7408.

### **Woods in Your Backyard workshop offered in Lancaster County – Jan 29**

When: Saturday, January 29th, 8:00 am – 3:30 pm. Where: Farm & Home Center, 1383 Arcadia Road, Lancaster, PA. Cost: \$25 per individual and \$35 per family – includes lunch, light morning refreshments & workshop manual The Woods in Your Backyard Workshop is designed specifically (but not exclusively) for smaller landscapes. These small lots are a big deal, for the vast majority of Pennsylvania’s landowners have less than 10 acres. Owners of even the smallest landscapes can make a positive difference in their environment through planning and implementing simple stewardship practices learned at this event. The entire workshop will take place indoors at the Farm & Home Center on Saturday, January 29th. All participants will remain together in the morning sessions and then choose their afternoon session based on interest. Topics will include: Forest ecology, Woodland management techniques, Controlling invasive species, Creating or improving wildlife habitat, Tree planting and native landscaping, Winter tree identification, Vernal pools, Landowner resources, and more. For more information or to register go to: <http://www.forestryforthebay.org/files/WIYBY.pdf>

### **EPA Watershed Academy Webcast on "Nitrogen and Phosphorus Pollution and Harmful Algal Blooms in Lakes" – Jan 26**

On January 26th EPA's Watershed Academy will sponsor a free webcast on "Nitrogen and Phosphorus Pollution and Harmful Algal Blooms in Lakes" on Wednesday, January 26, 2011, at 1:00 to 3:00 p.m. Eastern. This webcast will highlight an emerging issue of nutrient enrichment leading to harmful algal blooms in lakes. The webcast will explain the connection between nutrients and harmful algal blooms such as blue green algae. These algal blooms are causing loss of recreational uses including fishing, swimming and in some cases are resulting in increasing costs for drinking water treatment. The webcast will provide an overview of the issue and will present case studies on Grand Lake St. Mary's in Ohio and Lake Waco in Texas. This Webcast is a first in a series of Watershed Academy Webcasts on the important issue of nutrients and their impact on water resources. To register for this Webcast, visit [www.epa.gov/watershedwebcasts](http://www.epa.gov/watershedwebcasts). Webcast participants are eligible to receive a certificate for their attendance. Slide presentations are posted in advance and participants are encouraged to download them prior to the webcast at [www.epa.gov/watershedwebcasts](http://www.epa.gov/watershedwebcasts).

### **Online Training for New Master Well Owners Starting Soon! – Feb 1**

Pennsylvania is home to over one million private water wells and springs but it is one of only two states that do not provide statewide regulations to protect these rural drinking water supplies. In 2004, Penn State Cooperative Extension and several partner agencies created the Master Well Owner Network (MWON), a group of trained volunteers who are dedicated to promoting the proper construction, testing, and maintenance of private water wells, springs and cisterns throughout Pennsylvania. Since its inception, hundreds of MWON volunteers have attended Saturday training workshops to learn about proper water supply management practices. Starting on February 1, 2011, this same training will be available entirely online. Prospective volunteers need to submit an application and be accepted into the program. Applications will be limited and will only be accepted through January 25, 2011. Once accepted, each volunteer will receive seven weekly emails with links to short reading assignments and video presentations. Participants in online training will largely be able to determine their own training schedule but attendance at two live, one-hour online meeting is required (this will require a computer with high speed connection and speakers). Volunteers who successfully complete the training course and pass a short exam will receive a free copy of the 80 page publication - A Guide to Private Water Systems in Pennsylvania, a coupon good for a 10% discount on water testing through the Penn State water testing lab, and access to various MWON educational materials. In return, MWON volunteers are asked to pass along what they have learned to other private water supply owners and submit an annual report of their educational accomplishments. To learn more and complete an application, visit the following website: <http://extension.psu.edu/water/mwon/volunteer/online-mwon-volunteer-training>

### **Shank's Mare Susquehanna River Speaker & Dinner Series**

This year's theme – “Susquehanna through the Centuries”. Enjoy a delicious dinner by candlelight in “The Rookery” overlooking the beautiful Susquehanna. Following dinner, during dessert and coffee, enjoy fascinating presentations centered on river culture by our very interesting guest speakers. All our subjects are designed to enhance your paddling or hiking adventures once spring and summer arrive. Make your reservations and join us for a most enjoyable winter evening at the river.

- 17th & 18th Centuries – “Native American Life in the Susquehanna River Basin – Featuring Stephen Runkle. Friday, Jan. 21, 2011, 6:00pm. Fee – Includes Dinner & Speaker - Members \$36/Person, Non-Member \$40/Person.
- 19th Century - Life on the Susquehanna-Tidewater Canal – Featuring Stephen Runkle. Friday, February 4, 2011, 6:00pm. Back by popular demand! Fee – Includes Dinner & Speaker - Members \$36/Person, Non-Member \$40/Person.
- 17th Century & Before - Susquehanna Native American Rock Art – Featuring Mr. Paul Nevin. Fri., February 25, 2011, 6:00pm. Fee – Includes Dinner & Speaker - Members \$36/Person, Non-Member \$40/Person.
- 19th & 20th Centuries – River Commerce Heads into the 20th Century – Featuring Hollis Bedell. Friday, March 11, 2011, 6:00pm. Fee – Includes Dinner & Speaker - Members \$36/Person, Non-Member \$40/Person.
- 19th Century – The Civil War Comes to Wrightsville – Featuring Scott Mingus, Sr. Friday, April 1, 2011, 6:00pm. Fee – Includes Dinner & Speaker - Members \$36/Person, Non-Member \$40/Person

PLEASE NOTE – ADVANCED RESERVATIONS ARE REQUIRED FOR ALL PROGRAMS BY CALLING 717-252-1616.

### **Shank's Mare WINTER HIKE SERIES**

- Winter Waterfowl on the Susquehanna Sun., Feb. 20, 2011, 1:00-3:00pm. With the help of representatives from York County Parks, join us for an afternoon hike in search of the waterfowl that winter on the Susquehanna. We'll get a preview of birding guides, binoculars, and

spotting scopes, and talk about the winter waterfowl that inhabit our area, as well as show us descriptive information on how to spot these birds. Then we'll head outside for a leisurely walk along the River to spot the migratory birds that frequent our area this time of year. Who knows what we'll see. Bring binoculars and field guides. Free Program.

- Wind Cave Exploration, Hike & Lunch Sun., Mar. 27, 2011, 11:00am-2:30pm. Did you know that the Lower Susquehanna is the site of a tectonic cave – a cavern formed by layers of shifting rock versus the typical limestone and water formation? Here's your chance to take a guided tour of this unique cave located on the Conestoga Trail in Lancaster County. Your day will begin at Shank's Mare with a shuttle to the trailhead. Hike in and explore the cave with our guides. Following your spelunking adventure, stop at the Lock 12 Historic Area and enjoy a delicious trailside lunch. Fee includes shuttle, guides and lunch. Members \$35/Person, Non-Members \$39/Person.

PLEASE NOTE – ADVANCED RESERVATIONS ARE REQUIRED FOR ALL PROGRAMS BY CALLING 717-252-1616.

### **Storm Water Management/Water Quality Seminars – Feb & Mar**

Co-Sponsored by the Pennsylvania Landscape and Nursery Association, the Chesapeake Bay Foundation, the Pennsylvania Department of Conservation and Natural Resources, the Lancaster County Clean Water Consortium, LIVE Green, the County of Lancaster, the Building Industry Association, Associated Builders and Contractors, StormwaterPA, and the Centers of Excellence in Renewable Energy and Production Agriculture

- Sustainable Approaches to Grounds Maintenance Tuesday January 18, 2011 / 7:30 am – 11:30 am – Topics revolve around sustainable lawn care and landscaping and include: Sustainable lawn care practices; Rain gardens, meadows, or turf; Fertilizers: Innovative, cost-saving practices, Native landscaping, tree planting, and meadows; and Integrated pest management. PLNA will offer 3.5 CEUs through its program of professional continuing education.
- Sustainable Approaches to Storm Water Management: Design Tuesday February 1, 2011 / 7:30 am – 11:30 am – Topics revolve around new “best practice” ideas in support of the County watershed plans and include: Stormwater design in the context of Act 167; The importance of site analysis; Identifying retrofit opportunities; Making the case for decentralized stormwater management; The Karst Factor; Gaining greater pollutant reductions; Soil specifications for rain gardens, bioswales and other infiltration systems; and Subsurface stormwater retention and infiltration systems.
- Sustainable Approaches to Storm Water Management: Installation Tuesday February 15, 2011 / 7:30 am – 11:30 am - Topics revolve around new “best practice” ideas for building a sustainable infrastructure and include...Why is this important? Avoiding common problems; Decentralize storm water; Reduce size of retention basins; Protecting/restoring soil structure; Introduction to best practices; Retrofitting basins with vegetation; Rain gardens and strategic tree planting; Capture and reuse of rain water; Porous pavements; and Green roofs.
- Sustainable Approaches to Storm Water Management: Maintenance Tuesday March 1, 2011 / 7:30 am – 11:30 am – Topics revolve around the ongoing maintenance of storm water basins and include but not limited to...Why does this matter? Whose job is it anyway? What needs to be done and when? Maintenance with regard to Vegetated swales, wet ponds/retention basins; Rain gardens/bioretention systems; Rain water harvesting systems; Porous pavements; Green roofs; and Forested buffers. PLNA will offer 3.5 CEUs through its program of professional continuing education.

Fee of \$50 for each seminar includes the cost of breakfast, breaks, and all materials. A subsidy of \$25 is available from the Lancaster County Workforce Investment Board for participants that are willing to provide their social security number upon registration...for a total cost after the subsidy of \$25. Make checks to “Lancaster County Center of Excellence in Renewable Energy” and send to Joyce Lenox, Lancaster County Workforce Investment Board, 313 W. Liberty St., Suite 114, Lancaster, PA 17603. Call 717-735-0333 for questions. Find more information at [www.lancastercountyrenewableenergy.com](http://www.lancastercountyrenewableenergy.com).

### **GardenWise – A Continuing Education Series for Gardeners – Mar 12**

Grow your gardening knowledge March 12, 2011, from 8:00 A.M. to 3:30 P.M., at York Suburban High School. Speakers – Jeff Gillman is a professor of horticulture at the University of Minnesota and author of The Truth About Garden Remedies and The Truth About Organic Gardening.; Dr. Michael Raupp is a professor of Entomology at the University of Maryland where he has published more than 200 articles and made more than 800 presentations; and Greg Kern is a landscape designer who has worked with Shiloh Nurseries for the past 18 years. Sponsored by York County's Master Gardeners. Early bird registration (postmarked on or before February 23) \$49.00. Registration (postmarked after February 23) \$60.00. Questions? Call Kelly at 717-840-7408 or e-mail [kfs13@psu.edu](mailto:kfs13@psu.edu).

### **Penn State Offers On Line Pond Management Home Study Course - Apr 6**

Penn State Extension will offer a Pond Management Home Study Course again this year starting on Wednesday, April 6, 2011. This Course has received awards from the National Lake Management Society and the Association of Natural Resource Extension Professionals. Register: <http://extension.psu.edu/water/discovery-watersheds/newsletter/news/2011/penn-state-offers-on-line-pond-management-home-study-course>

### **Smart Legal Strategies for Land Use & Environmental Disputes**

Over the past five years CEDS has been refining two approaches which greatly increase the likelihood individuals, homeowner associations and nonprofits will resolve concerns about land use changes, pollution discharges, noise, odors and other quality of life impacts. We call the two approaches Smart Legal Strategies and Equitable Solutions. In February, CEDS will hold workshops on both approaches in Annapolis, Harrisburg and Richmond. For further detail and to register click Upcoming Workshops at the top left column of either...

- Smart Legal Strategies: <http://ceds.org/sls.htm>
- Equitable Solutions: <http://ceds.org/eqs.html>

The CEDS Smart Legal Strategies webpage introduces citizens to methods for carrying out the research and other actions critical to success. Detailed advice will be provided at the three workshops scheduled for February in Annapolis, Harrisburg and Richmond. To register click on the following text: [Upcoming Workshops](#). For more information, contact Richard Klein, [Community & Environmental Defense Services](#), 811 Crystal Palace Court Owings Mills, MD 21117. Ph: 410-654-3021.



## **WATERSHED TECHNICAL ASSISTANCE**

### **USGS Research Focuses on Ecosystem Science**

The 2010 A Community on Ecosystem Services conference was held recently in Phoenix, AZ. This year's theme was Ecosystems Services. At ACES, USGS scientists presented papers regarding ecosystem services, such as "Ecosystem Goods and Services and the Status and Distribution of Mangrove Forest of the World." Learn more...<http://conference.ifas.ufl.edu/aces/index.html>

### **The Ecosystem Engineer: Research Looks at Beavers' Role in River Restoration**

When engineers restore rivers, one Kansas State University professor hopes they'll keep a smaller engineer in mind: the North American beaver. "Our argument is that the restoration target for streams with forested riparian zones has got to acknowledge the diversity brought to river systems by active beaver populations," Daniels said. Read more...<http://scienceblog.com/41437/the-ecosystem-engineer-research-looks-at-beavers-role-in-river-restoration/>

### **Clean Watersheds Project**

The Clean Watersheds Project is an interdisciplinary collaborative watershed monitoring project that uses Google Earth Pro to store and share watershed data in order to empower communities to collect, post, and analyze data about changing watersheds and improve the health of our nation's watersheds. Participating schools can apply to receive licensed copies of Google Earth Pro in order to participate. Learn how...  
<http://cleanwatersheds.wikispaces.com/>

### **Clearinghouse for Dam Removal Information as a Watershed Restoration Resource**

The Clearinghouse for Dam Removal Information (CDRI) is an online repository for documents about proposed and completed dam removal projects across the country. Dam removal is an increasingly common tool to restore rivers and eliminate safety concerns. However, dam removal information is hard to find. The goal of CDRI is to collect documents from government agencies, consulting firms, universities, and non-profit organizations so that those making decisions about dam removal can access all the information in one place. CDRI is an efficient way to find out about lessons learned from previous dam removal projects, such as the Marmot Dam on the Sandy River, as well as dam removals in progress, such as the Glines Canyon and Elwha Dams on the Elwha River. CDRI also provides news and information about upcoming conferences and workshops related to dam removal. CDRI strives to become the most comprehensive source of dam removal information, and encourages watershed groups, government agencies, academics and consultants to submit any documentation they have related to dam removal. For more information, visit CDRI online <http://wrca.library.ucr.edu/CDRI/> or email [cdri@library.berkeley.edu](mailto:cdri@library.berkeley.edu).

### **Watershed Tool of the Month – Nonpoint Source Outreach Toolbox**

The Nonpoint Source (NPS) Outreach Toolbox is intended for use by state and local agencies and other organizations interested in educating the public on nonpoint source pollution or stormwater runoff. The Toolbox contains a variety of resources to help develop an effective and targeted outreach campaign. Features of the NPS Outreach Toolbox include EPA's Getting in Step Outreach Series, a searchable catalog of outreach materials on the state and local level, and surveys and evaluations of effective outreach campaigns. Toolkit:  
[http://www.epa.gov/owow\\_keep/NPS/toolbox/index.htm](http://www.epa.gov/owow_keep/NPS/toolbox/index.htm)

### **Promoting Sustainability with Drinking Water State Revolving Fund Set-Asides**

EPA is releasing the Analysis of the Use of Drinking Water State Revolving Fund Set-Asides: Promoting System Sustainability. This document includes specific examples of setaside uses that states may find relevant to their own capacity development programs. Copies of this document will be available in hard copy by contacting the Water Resource Center at 202-566-1729 and identifying document number EPA 816-R-10-016. You may also contact the National Service Center for Environmental Publication 1-800-490-9198 to obtain hard copies. Electronic versions may be found on the EPA website at [http://water.epa.gov/type/drink/pws/smallsystems/state\\_guidance.cfm#state](http://water.epa.gov/type/drink/pws/smallsystems/state_guidance.cfm#state).

### **New, Updated Design Manual for Nutrient Removal at Municipal Wastewater Treatment Plants**

EPA has published its new, updated design manual for the removal of nitrogen and phosphorus at municipal wastewater treatment plants (WWTPs). This manual presents an extensive state of the technology review of the engineering design and operation of nitrogen and phosphorous control technologies and techniques applied at WWTPs. <http://www.epa.gov/nrmrl/pubs/600r10100/600r10100.pdf>

### **Web-based Training on a Host of Stormwater Management Topics Available**

The Chesapeake Bay Stormwater Training Partnership (CBSTP) announced some recent additions to their web-based training initiative. This initiative includes Web-based Training Modules that consist of presentations and supplemental resource materials on a host of stormwater topics (such as BMP design, construction and maintenance specifications, and research). Learn more...<http://www.cwp.org/cbstp/index.html>.

### **York County Integrated Water Resource Plan Draft Open for Public Comment – Feb 10**

If you haven't reviewed the draft of the York County Integrated Water Resources Plan, you can do so by following the link below. Once on the website, scroll down until you see the IWRP link. There are separate links for the main plan and appendices.  
[http://www.ycpc.org/public\\_comment.html](http://www.ycpc.org/public_comment.html).

### **Proposed Community Forest and Open Space Conservation Program (CFP) Rule Open for Comments – Mar 7**

The Community Forest and Open Space Conservation Program (CFP) proposed rule will be open for comments through March 7. The CFP is a competitive grant program that helps establish community forests, authorized in the 2008 Farm Bill. CFP helps communities acquire forestland of at least five acres for public recreation, environmental and economic benefits, and forest-based educational programs. CFP also protects forestland that has been identified as a national, regional or local priority for protection. Eligible applicants include local governments, tribal governments and qualified non-profit organizations. In fiscal year 2010, CFP was funded at \$500,000. This year, the President's budget requests \$1 million. A copy of the proposed rule can be found here <http://nacdnet.us1.list-manage.com/track/click?u=4ceb39143b0bf9ed6a847f68d&id=aad1f521ea&e=de76128057>

### **Is Your System Part of a WARN Yet?**

A Water and Wastewater Agency Response Network (WARN) is an intrastate entity of “utilities helping utilities” to respond to and recover from emergencies by sharing resources with one another. The WARN framework provides a forum for maintaining emergency contacts, providing expedited access to specialized resources, and facilitating training on resource exchange during an emergency. At the heart of WARN is a standardized Mutual Aid and Assistance Agreement, outlining the terms through which utilities provide resources to one another. The agreement covers key issues such as indemnification, workers compensation, and reimbursement. The resolution of these issues in advance expedites resource sharing between utilities during emergencies. The National Environmental Services Center (NESC) has been involved in launching a WARN in West Virginia. In many states, more involvement from small utilities is needed. To learn more about WARNs, read the article “Utilities Help Each Other During Emergencies: Have your water and wastewater systems signed up?” on the NESC website at: [www.nesc.wvu.edu/waterwedrink/articles/WARN.cfm](http://www.nesc.wvu.edu/waterwedrink/articles/WARN.cfm). The U.S. Environmental Protection Agency (EPA) has a website devoted to Mutual Aid and Assistance at: <http://water.epa.gov/infrastructure/watersecurity/mutualaid/index.cfm> while the American Water Works Association maintains a national WARN site at [www.nationalwarn.org](http://www.nationalwarn.org). EPA has also launched a newsletter about WARNs.

### **Existing Stream Use updates**

Please be advised that the following streams in your Region have been placed on the DEP Statewide Existing Use Classifications [http://www.depweb.state.pa.us/portal/server.pt/community/existing\\_use/10557](http://www.depweb.state.pa.us/portal/server.pt/community/existing_use/10557) web page. The Bureau of Water Standards & Facility Regulation has determined that the Existing Uses of the streams require greater protection than current designated uses or that the stream was omitted from Chapter 93.

- UNT Little Falls Creek (06882), York County
- UNT Little Falls Creek (06881), York County
- Beetree Run (06860), York County

Please distribute this notice to your staff and any interested parties, as appropriate, if they were not included in this email distribution. If you have any questions, please contact Tony Shaw: Email: [tshaw@state.pa.us](mailto:tshaw@state.pa.us), Phone: 717-783-3862.

### **DEP Proposals Currently Open for Comment**

Date Published In PA Bulletin	Proposal	Comment Deadline
12/25/2010	Draft NPDES Pesticides General Permit (PAG-15) <a href="#">PA Bulletin Notice</a> ; <a href="#">Draft Permit</a>	1/24/2011
12/25/2010	Coal Mining Permit Fees (25 Pa. Code Ch. 86) <a href="#">PA Bulletin Notice</a>	1/24/2011
12/25/2010	Policy for Development and Publication of Technical Guidance (DEP ID: 012-0900-001) <a href="#">PA Bulletin Notice</a>	1/24/2011
1/8/2011	Draft Technical Guidance 385-2125-001: 4-Log Treatment of Viruses Demonstration Guidance <a href="#">PA Bulletin Notice</a>	2/8/2011

### **NOTICE - Final Regulations**

The following final regulations were published in the [Pennsylvania Bulletin](#) on 1/8/2011:

- Administration of the Land Recycling Program.
- Dam Safety and Waterway Management.

Please access the [Pennsylvania Bulletin](#) for copies of the final regulations. The [Pennsylvania Bulletin](#) is the official version of the final regulations until the regulation are codified in Title 25 of the [Pennsylvania Code](#).

