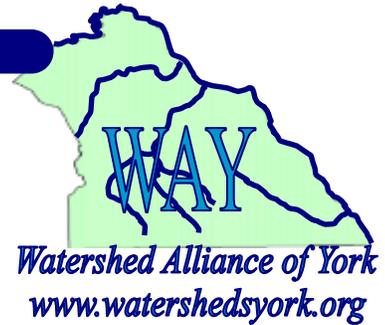


# WAY E-NEWS

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



March 28, 2011

A PUBLIC-PRIVATE PARTNERSHIP

Volume 11, Issue 7

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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*

- Rainwater harvesting study finds roofing material affects water quality
- New organization to focus on sustainable infrastructure
- Penn State researchers have launched a website designed to act as a clearinghouse for satellite data on the Chesapeake Bay watershed
- USDA Releases Final Chesapeake Bay CEAP Study
- New Software Puts Forest Ecology in Public Hands
- Street Sweeping 101 – Using street sweepers to improve water and air quality
- DEP Proposals Currently Open for Comment



## **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.)
  - Apr 16 – Oil Creek Restoration Monitoring at Fuhrman Farm, Gitts Run Rd., near Hanover, from 9:00 AM to 3:00 PM.
- <> 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.
- <> 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)

- May 5 – 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/)

<> 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)

Thoughts of Spring are in the air and new things are “growing” at the Horn Farm. Read all about them in this issue of “Around the Horn.”

- Register Now For Community Gardens at the HFC
  - POTATO PATCH PROJECT AT THE HORN FARM
  - Girl Scout Volunteers Around the Farm
- <> 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)

<> 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)

- We are gearing up for our annual River Sweep, to celebrate Earth Day, Saturday - April 23, 2011 and are seeking supporters. This will be our 11th Annual River Sweep and we expect 500+ volunteers to participate throughout Harford and Cecil Counties. Each participant will be receiving a t-shirt, gloves, bags, equipment and lunch. As a supporter, your logo will be printed on all event related media and publicity and on the t-shirts given to the volunteers. This year our support levels are: Sponsor: \$5,000; Partner: \$2,500; and Friend: \$500. To become a supporter, please contact: Brigitte Carty, [lshginfo@comcast.net](mailto:lshginfo@comcast.net), 410-457-2482. If you'd like to volunteer to assist with this event or volunteer for the clean-up, please register at <http://www.hitourtrails.com/Riversweep.html>
  - YOU ARE INVITED TO Mike Bilek's Final Wade In Retirement Celebration Friday, April 8th, from 3:30 p.m. to 6:30 p.m. At Sandy Point State Park, Flounder Pavilion on the Chesapeake Bay Hosted by ~ Watershed Services Unit/ MD DNR. Please RSVP.
  - Upper Western Shore Tributary Team Meeting Monday, April 4th, 2011. The McFaul Center, Room TBD, 525 MacPhail Road, Bel Air
- <> 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)

- Please mark your calendars and join us to get the garden ready for Spring. Times may change, if the weather really warms up we can start earlier in the morning.
    - April 5, Tues, 10 AM potting for plant fest
    - April 7, Thurs, rain date for potting
    - April 8, Fri, clean up 10 AM
    - April 16 Sat, clean up 10 AM
    - April 20, Weds, cleanup 5 PM
    - April 30, Sat, 9 AM
  - Apr 25 – 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)

- Apr 13 - 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/>

- Apr 20 - 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>

- 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)

**Wecology - NEW!**

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

- YELLOW BREECHES WATERSHED ASSOCIATION BOARD OF DIRECTORS MEETING Wednesday, June 6, 2011, Messiah College Library-Athenaeum Room 6 PM.

<> Contact: Deborah Goetz, at [deborah.p.goetz@gmail.com](mailto:deborah.p.goetz@gmail.com) or phone 717-697-4734

**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/>

- Saturday, April 2, 2011 - Annual YAS Banquet at East Berlin Area Community Center. Speaker Jeffery A. Gordon, writer, photographer and naturalist looks back at "The 10 Greatest Birds of the Last 30 Years" These are individual birds which made a difference to all birders whether we personally saw them or not. Dinner at 5:00 PM. Reservations required.

- Saturday, April 16, 2011 - Pinchot State Park Wild Flower walk. Leaders: Tom and Alice Simmons, 717-428-3673. Meet at park at 9:00 AM.

<> 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**

### **Water quality is top concern among Americans, poll shows**

SAN ANTONIO, TX, Mar. 9, 2011 – More than half of Americans say they have concerns about the [quality](#) of their [water](#) as more people become educated about specific [contaminants](#) and take action in their homes. Those are findings from an independent survey released today at WQA Aquatech USA. The random sample survey, conducted by Applied Research-West Inc., offers a look into Americans' evolving attitude about their water, especially when compared to previous polls. Among the major findings:

- A quarter of consumers are "extremely concerned" about the quality of their water supply, and only 45% say they are confident their water source poses no health risk.
- A majority of consumers are now willing to pay more for the elimination of contaminants such as pharmaceuticals. In previous surveys, less than 50% expressed this opinion.
- Nearly a quarter of consumers say they have primary responsibility in their home for quality water, up from 20 percent in 2008.
- The survey showed that 39% of respondents stated that they believed federal drinking water quality laws are "fair."
- About one-fifth (19%) of respondents were exposed to "boil water alerts." This prompted them to purchase a water filtration device. Typically, a water filter pitcher or end-of-tap device was purchased. More than half of those exposed to boil water alerts purchased home filtration devices afterward, higher than the 38% who said they did so in 2008.
- Americans seem to increasingly believe that responsibility for safe drinking water is a public/private partnership.
- Regarding overall quality, specifically 49% of respondents indicate that they are concerned or very concerned about their household water supply. Further, 54% are concerned about health contaminants in tap water. And 42% of respondents stated that drinking water is not as safe as it should be.

Since the previous survey was completed, news reports have brought many local and national contamination issues to the public attention. The New York Times ran a series of articles entitled "Toxic Waters." The newspaper reported that 10 percent of Americans "have been exposed to drinking water that contains dangerous chemicals or fails to meet a federal health benchmark in other ways." In 2010, the President's Panel on Cancer recommended that people use home filtering devices to decrease exposure to cancer-causing agents. WQA provides Gold Seal certification for products that remove a variety of contaminants. This certification is conducted using independently developed testing standards. Consumers can learn about different treatment systems and find locally certified dealers by visiting the WQA Web site's Gold Seal and Find A Water Professional features. The Water Quality Association is a non-profit international trade association representing the residential, commercial, and industrial water treatment industry. Its membership consists of both manufacturers as well as dealers/distributors of equipment. WQA is a resource and information source, a voice for the industry, an educator of professionals, a laboratory for product testing, and a communicator with the public. WQA has more than 2,500 members nationwide. Web Site: <http://www.wqa.org>

### **ACT NOW! For Rivers Everywhere**

There's no sugar coating this. This is a direct attack on our rivers and your clean water. The budget that the House has pushed through is the greatest single assault on the environment in recent memory. And we have to stop it. [Please contact your Senators and tell them that they must vote to protect rivers.](#) The House Republicans' budget bill slashes this year's remaining EPA budget by more than a billion dollars, and contains numerous amendments that would cripple the EPA's ability to stop polluters from dumping toxic chemicals into our rivers. The bill would put the profits of wealthy corporations ahead of protecting the water that we all depend upon. It has special interest riders that would allow mining companies to dump waste into your rivers and continue to allow big factory farms to dump waste and fecal matter into the Chesapeake Bay. It would also block negotiations to protect the Klamath River and the San Francisco Bay Delta and prevent the protection of small streams that form our mighty rivers. [Tell your Senators to reject the reckless budget cuts proposed by the House and instead invest in protecting our clean water.](#) This battle may be won or lost in the Senate. It's time to reject corporate loopholes and special exemptions that threaten our rivers and our health and to instead invest in clean water and healthy rivers. Please contact your Senators today, tell them to stop this assault on our environment. Thanks for your support, Jim Bradley, Senior Director, Government Relations, American Rivers

### **Pollution Forms an Invisible Barrier for Marine Life**

ScienceDaily (Mar. 10, 2011) – Over 50 percent of the population in the United States and over 60 percent in the world live in coastal areas. Rapidly growing human populations near the ocean have massively altered coastal water ecosystems. One of the most extensive human stressors is the discharge of chemicals and pollutants into the ocean. In the Southern California Bight, more than 60 sewage and urban runoff sources discharge over 1 billion gallons of liquid on a dry day with the two largest sources of contaminants being sewage from municipal treatment plants and urban runoff from highly modified river basins. These discharges transport large loads of known and unknown contaminants including heavy metals, chlorinated hydrocarbons, petroleum hydrocarbons, nutrients, and bacteria, that have shown to be toxic to marine life, including both adult and larval (early development) stages. Most marine organisms such as sea stars (starfish) do not move among locations as adults; instead juveniles swim in the plankton before settling onto the sea floor and growing into a sedentary adult. Despite the known toxicity of terrestrial discharge, no one had investigated if it is limiting dispersal of marine larvae between populations along urban coastal areas. Researchers at UH Mānoa's Hawaii Institute of Marine Biology (HIMB) examined the genetic structure of a common, non-harvested sea star using a spatially explicit model to test whether the largest sewage discharge and urban runoff sources were affecting the genetic structure of this species. They found that these large pollution sources are not only increasing genetic differentiation between populations (presumably by limiting the dispersal of larvae between them) but also decreasing the genetic diversity of populations closest to them. In short, human beings are directly affecting the ecological and evolutionary trajectory of a species that is relatively free of any direct human impacts. The full research report by Puritz and Toonen is published in the online journal Nature Communications.

### **Virginia to Ban Lawn Fertilizer Containing Phosphorus**

Virginia is poised to pass a law banning the sale of fertilizer containing phosphorus, a major pollutant in the Chesapeake Bay and its rivers. Beginning in 2013, the law would reduce an estimated 230,000 pounds of phosphorus from reaching the Bay and Virginia rivers each year. Read article... [http://www.chesapeakebay.net/news\\_vafertilizer11.aspx?menuitem=56867](http://www.chesapeakebay.net/news_vafertilizer11.aspx?menuitem=56867)

### **Who Needs Flood Insurance?**

PHILADELPHIA, Pa. – As the spring flooding season approaches, the Region III office of the Federal Emergency Management Agency (FEMA)

reminds everyone to include a key ingredient in their household's flood safety plan—flood insurance. Flooding is the most costly disaster in the United States. Common flooding misconceptions, oversights and myths can lead to (or compound) disaster. As such, the following are a few myths FEMA wants to dispel in its ongoing effort to help protect lives and property: <http://www.fema.gov/news/newsrelease.fema?id=54045>

### **Time for Spring Cleaning and Getting Outdoors**

Spring is just a week away and groups along the Susquehanna Greenway are gearing up for clean-up events, river festivals, sojourns, hikes and other fun events. This is a great time of year to get outside and volunteer for events and projects in your area. Volunteering along the Susquehanna Greenway is a great way to meet new friends, while conserving the environment and creating healthy and successful communities. It is because of volunteers like you that we are able to accomplish our mission and be the leading champion for the Susquehanna River. There are many exciting opportunities available where your help is needed. Please go to our [website](http://www.susquehannagreenway.org/Pages/Home.aspx), <http://www.susquehannagreenway.org/Pages/Home.aspx> to volunteer with the Susquehanna Greenway Partnership today! Sincerely, Trish Carothers, Program Director

### **Bay 101: Healthy Forests**

Forests once covered nearly all of the Chesapeake Bay watershed. They're critical to our region because they provide habitat and help clean our air and water. Learn all about the importance of forests and the features of a healthy forest in our latest "Bay 101" video. Watch video... <http://vimeo.com/17851496>

### **Plant More Plants This Spring to Help the Chesapeake Bay!**

Bay Program partners have launched a social media campaign called Plant More Plants to encourage people to reduce polluted runoff by planting more flowers and trees in their yard. Plant More Plants uses traditional and social media to offer tips on Bay-friendly landscaping. Learn more... <http://www.plantmoreplants.com/>

### **Planting Trees For Profit**

The Conservation Reserve Enhancement Program (CREP) is a voluntary conservation program, designed to improve water quality, benefit wildlife through habitat development, and reward participants for doing their part to help the environment. You do not need to be a farmer to enroll and even very small streams are eligible. Any producer or landowner can enroll in CREP. Non-forested land along waterways and highly erodible land (HEL) are target areas for CREP enrollment. Stream health is dependent on many factors in the water and along the banks. Water quality and temperature play an important role in determining what can live in a stream. The trees, shrubs, and plants that grow in this area along the stream, known as a riparian corridor, serve a dual purpose. This vegetation helps control water chemistry and temperature, and provides abundant habitat for wildlife. Establishment of wetlands and grasslands also play a role in water quality and wildlife habitat. CREP has a list of conservation practices that have been created to meet both environmental needs and the desired request of the landowner. These practices can be discussed with a CREP planner, who visits the property where CREP will be implemented. Continuous enrollment in CREP is available for a limited time, so don't wait until the last minute to take advantage of this opportunity to cash in on conservation! To learn more call (800) 941-CREP, or click here <http://www.creppa.org/>.

### **Chesapeake Bay Featured in National Park Service Teaching Tool**

The National Park Service has developed a teaching tool about the Chesapeake Bay's cultural history, geologic formation, ecological issues and restoration efforts as part of its online educational resource Views of the National Parks. Learn more... <http://www.chesapeakebay.net/stewardshipanded.aspx?menuitem=14732>

### **Update: Lower Susquehanna Conservation Landscape Initiative (LSCLI)**

As we shared in our December newsletter, we are co-leads of the LSCLI, along with the Lancaster County Conservancy (LCC). Since our public meeting of key stakeholders in November, we have been finalizing the details of the 2011 workplan based on [12 strategic priorities](#). We are pleased to report progress on the following projects in the LSCLI:

- Phase 1 PPL Land Transfer - 324 acres have been transferred from PPL to LCC for preservation.
- LCC Connections Project - LCC has created a base map of area trails and will be going into the field to identify and obtain GPS information on trails that are either currently un-mapped or have no GPS or GIS information available.
- Zimmerman Center for Heritage Enhancement Project - SGHA has selected Murphy & Dittenhafer Architects to lead the consultant team and has begun the permitting and design process (projected project completion summer 2012).
- Northwest Lancaster County River Trail - This year East Donegal and Conoy Townships will be completing an additional 3+ miles of the trail.
- Veteran's Memorial Bridge Lighting Project - Installation of historic lighting on the bridge is funded and expected to take place in 2011.

For more information on the Lower Susquehanna Conservation Landscape Initiative, please visit:

<http://www.dcnr.state.pa.us/cli/lowersusquehanna/index.htm>

### **A clear message in a bottle: Tap water is safe and cheaper for consumers**

Bottled water has been described as one of the greatest marketing successes of the last century. Convincing consumers that the water coming from their home taps is unhealthy, getting them to pay again for more drinking water—in some instances, identical to what they receive from their water treatment facilities—and causing them to believe that their choice of water harms no one. For all these reasons and more, bottled water companies have persuaded customers that purchasing their products is the best choice. But is it? Have you ever compared the cost of bottled water to that of the drinking water you as a utility provide? This article explores the true cost of bottled water. Read article... [http://www.watertrust.org/feature\\_article.asp?nID=161](http://www.watertrust.org/feature_article.asp?nID=161)

### **2011 Environmental Achievement Awards (York County Winning Nomination!)**

Congratulations -- I am sending this message to inform you that the Carroll Citizens for Sensible Growth has been selected for a 2011 EPA Mid-Atlantic Environmental Achievement Award. The Carroll Citizens for Sensible Growth are being honored in the Non-profit / Volunteer category. It is our hope that you and your guests will be able to attend the Awards Ceremony on Wednesday, April 13th at the National

Constitution Center in Philadelphia, Pennsylvania. Bonnie Turner-Lomax, Communications Coordinator, Environmental Assessment and Innovation Division, U.S. Environmental Protection Agency - Region 3, 1650 Arch Street, Philadelphia, PA 19103.

#### **Jeff Corbin Appointed EPA Senior Adviser on Chesapeake Bay**

EPA Administrator Lisa Jackson has appointed Jeff Corbin as her senior adviser on Chesapeake Bay restoration. In his new position, Corbin will help coordinate all aspects of the EPA's strategic Chesapeake Bay initiatives. Read article...

[http://www.chesapeakebay.net/news\\_jeffcorbin.aspx?menuitem=56539](http://www.chesapeakebay.net/news_jeffcorbin.aspx?menuitem=56539)

#### **Explore Your Chesapeake: National Wildlife Refuges**

The National Wildlife Refuge System turns 108 in March. Celebrate by visiting one of the region's 9 public national wildlife refuges: Blackwater, Eastern Neck, Eastern Shore of Virginia, James River, Mason Neck, Occoquan Bay, Patuxent, Presquile and Rappahannock River Valley. Explore...<http://www.fws.gov/refuges/>

#### **Announcing the 4-H Community Garden!**

This garden will be open at 234 South Pershing Ave. to the community for use with organized dates beginning March 30th, 2001. All are invited including individuals, schools, businesses/organizations, churches and 4-H clubs. Garden opportunities include: Individual/group plots, Business plots, An educational demo garden, Native plant educational area, Access to Master Gardeners from Penn State Cooperative Extension and much more! For dates, garden agreements or additional information please call/email Tia Underkoffler (Urban 4-H Educator) @ 717.840.7408 or [timp156@psu.edu](mailto:timp156@psu.edu). Gardens will be reserved on a first come, first serve basis. To reserve your garden plot(s) please contact Tia asap as plots are going fast! Contact Tia Underkoffler, B.S., Urban Youth 4-H Educator, Penn State Cooperative Extension - York County [timp156@ag.psu.edu](mailto:timp156@ag.psu.edu). 717.840.7408 (Office)

#### **Critter of the Month**

March's Critter is a sure sign of spring! Beginning in March, you can hear it emit a short, clear note once every second near ponds, swamps and wooded wetlands throughout the Chesapeake Bay region. Do you know what it is?

[http://www.chesapeakebay.net/bfg\\_springpeeper.aspx?menuitem=49088](http://www.chesapeakebay.net/bfg_springpeeper.aspx?menuitem=49088)



## **WATERSHED FINANCIAL ASSISTANCE**

#### **Funds to Foster Environmental Education – Mar 31**

The Irwin Andrew Porter Foundation has grants ranging from \$500 to \$30,000 for environmental education programs that foster connections among individuals, communities and the environment. The foundation is most interested in projects that require and/or inspire participants to give back to their communities both during the project and into the future. The Irwin Andrew Porter Foundation was founded in 1996. In its first 10 years, the foundation has distributed approximately \$1.1 million in grant awards. Applications are due by March 31. For more information, visit [www.iapfoundation.org](http://www.iapfoundation.org).

#### **Aquatic Invasive Species Panel Requesting Grant Proposals – Apr 1**

The [Mid-Atlantic Panel on Aquatic Invasive Species](#) is soliciting grant proposals through its Small Grants Competition to fund projects on eradication, education and reporting. Proposals are due April 1. Funding proposals can include these components: eradication and control, reporting and monitoring, survey and risk assessment, vector management and public education and outreach. For more information, [download the grant announcement](#).

#### **Lawrence Foundation Seeks Grant Applicants – Apr 30**

The Lawrence Foundation provides grants ranging from \$5,000 to \$100,000 to support environmental education, human services and other causes. The Foundation is seeking funding opportunities for after-school arts, volunteerism, general education, math, reading, safe schools, science and social studies projects. The deadline for proposals is April 30. For more information, visit [www.thelawrencefoundation.org/grants](http://www.thelawrencefoundation.org/grants).

#### **DCNR Offers Federally Funded Grants To Help Volunteer Firefighters – May 19**

The Department of Conservation and Natural Resources is now accepting applications for its [Volunteer Fire Assistance Program](#) to help Pennsylvania's rural communities better guard against the threat of fires in forested, undeveloped and unprotected areas. Applications are due by May 19. Local firefighting forces in rural areas or communities with fewer than 10,000 residents qualify for the aid, which is used for training and equipment purchases directly related to fighting brush and forest fires. Grants and other assistance are offered annually through DCNR's Bureau of Forestry, with funding supplied by the U.S. Department of Agriculture's Forest Service through the Cooperative Forestry Assistance Act of 1978. In reviewing applications, the bureau will place priority on those requests seeking funds for projects that include the purchase of wildfire suppression equipment and protective clothing. Grants also may be used for purchasing mobile or portable radios, installing dry hydrants, performing wildfire prevention and mitigation work, training wildfire fighters, or converting and maintaining federal excess vehicles. These vehicles are presented to the local departments exhibiting the greatest needs and that commit to outfitting them for fire suppression. Aid is granted on a cost-share basis. Grants for any project during a fiscal year cannot exceed 50 percent of the actual expenditures of local, public and private nonprofit organizations in the agreement. To expedite the process, the bureau is accepting only online applications. Applicants should visit the DCNR [Online Grant Applications](#) webpage. For more information, contact the Division of Forest Fire Protection at 717-787-2925; by sending email to: [ra-ffp@state.pa.us](mailto:ra-ffp@state.pa.us); or visit the DCNR [Forest Fire Protection](#) webpage.

#### **Playspace Grants From Playful City USA – Jun 1**

KaBOOM! and Dr Pepper Snapple group will award 103 grants totaling \$2.1 million during the next three years as part of the Playful City USA program. The Playful City USA grants are part of Let's Play – a community partnership led by Dr Pepper Snapple Group to get kids active

nationwide. A total of 103 grants worth \$2.1 million are available to Playful City USA recognized cities and towns between 2011-13. Deadline: June 1, 2011. [http://kaboom.org/take\\_action/playful\\_city\\_usa](http://kaboom.org/take_action/playful_city_usa)

### **PA Farm Energy Audits program**

This note is to let you know about the PA Farm Energy Audits program, just launched with financial support from USDA Rural Development. The program provides 75% of the cost of an energy audit for Pennsylvania farms (including greenhouses), leaving only 25% payable by the farmer. Typically the audits cost \$1300-\$1500, which means the owner pays only \$300-\$350. These audits are carried out either by PSU farm energy professionals, or private consultant partners, providing the farmers with straightforward advice on how to improve energy efficiency for their operation. Full details are in the attached brochure and on the internet at <http://extension.psu.edu/energy/farmers-landowners/pa-farm-energy-audits-program>



## **WATERSHED FACILITATION ASSISTANCE**

### **PA Great American Cleanup Registration Open – Mar 1**

You can participate in litter cleanups, illegal dump cleanups, beautification projects, special collections, and educational events. Cleanups will run between March 1 and May 31. Free bags, gloves, vests, and cleanup supplies are available. During Let's Pick It Up PA days, trash collected can be taken to participating landfills for free disposal. Since 2004, over 54 million pounds of litter and waste have been removed from Pennsylvania. For more information or to register, visit [www.gacofpa.org](http://www.gacofpa.org). NOTE: WAY is looking for local sponsors to support cleanups of Illegal Dump Sites. Planned cleanups include:

March 26 – Gut Rd. IDS AT Saginaw. Cleanup from 8:00 AM to 2:00 PM Saturday March 26, 2011. Volunteer work gloves and trash bags provided. Detailed mapquest directions and updates on website [www.SusquehannaRiverFishing.com](http://www.SusquehannaRiverFishing.com). Sponsor Jst Fishin;

- April 9 – Hall Rd. IDS, Beaver Creek; sponsor RLMA; 9:00 AM to 12:00 Noon. To volunteer please call 244-3475.
- April 15-23 – Codorus Creek; sponsor SOLS; from Richland Ave. to Rt. 30. To donate or volunteer, contact Michael Helfrich, Lower Susquehanna RIVERKEEPER®, York, PA. Cell phone: 717-779-7915 E-mail: [lawsusriver@hotmail.com](mailto:lawsusriver@hotmail.com).
- May 14 – South Branch Codorus Creek; sponsor Glen Rock Boro. Cleanup from 8:00 AM to 12:00 Noon. Volunteer work gloves, trash bags and snacks provided. Contact Lucy Cadwalder at 717-235-7034.

### **TROUT DAY 2011 - Apr 2**

Welcome Fisherman and Outdoor Lovers! The 10th Annual "Trout Day" along the Yellow Breeches Creek, at Slate Hill Rd & Limekiln Rd, takes place Saturday, April 2, 2011. The event is held by United Water Pennsylvania and the Yellow Breeches Watershed Association (YBWA). Food will be served to all that attend. Coffee & Doughnuts from 6:00 AM until 9:00 AM, followed by Hamburgers, Hot Dogs, and Soda until 1:00 PM. Signup for the Biggest Trout Measurement for adults & youths. Sporting Items will be given to trout measurement participants at our tent at 1:00 PM. The food is FREE, but donations will be accepted to benefit YBWA. Watershed maps will be on display at the YBWA table under our tent. [www.ybwa.org](http://www.ybwa.org)

### **Featured Webcast: An Introduction to Monitoring Your Stormwater Run-Off –Apr 5**

April 5, 2011 | 1:00 pm ET – The webcast will start with a short introduction to the federal stormwater regulations, moving on to a discussion of the needs for a typical stormwater monitoring site. The presenter will cover a variety of different components that can be used for a monitoring system and provide practical guidance on selecting the right components for the job. Click here to register for this FREE webcast... <http://video.webcasts.com/events/pmny001/viewer/index.jsp?eventid=37941>

### **LSCLI Volunteer Opportunity – Apr 9-10**

The Lancaster County Conservancy (LCC) is looking for volunteers on April 9 & 10 from 9am-4pm to assist with planting thousands of chestnut seeds and conifer seedlings at the House Rock Preserve. This effort is being done in partnership with the [PA chapter of the American Chestnut Foundation](#) and generous support of Armstrong World Industries. LCC will provide lunch, tools, and gloves. Contact LCC to sign up or with any questions: [volunteerlcc@gmail.com](mailto:volunteerlcc@gmail.com). Directions to the House Rock Preserve can be found here: <http://www.lancasterconservancy.org/houserockdirections.htm>

### **"Designing With Nature": A New Webinar – Apr 12**

Sustainability—we try to incorporate it into our work, and we know that it's an essential component of our projects if we want to remain competitive. But when it comes to actually implementing sustainable practices, the details are too often lacking. Being familiar with the general concept of low impact development, for example, doesn't necessarily tell us what types of BMPs to use on an active construction site or even the best solutions for post-construction stormwater management. A new webinar, which will take place on April 7 and again on April 12, 2011, helps make sense of the details. "Designing With Nature," a one-hour webinar from Forester University, provides an understanding of the current state of stormwater management issues; covers the principles of low impact development and green infrastructure; introduces a design manual, specifications, and 24 compost-based BMPs; discusses concepts for truly sustainable BMPs; and provides case studies in LEED Green Building and MS4 permit compliance. The webinar is taught by Dr. Britt Faucette, ecosystem scientist, Certified Professional of Erosion and Sediment Control (CPESC), and Leadership in Energy and Environmental Design Accredited Professional (LEED AP). Dr. Faucette serves as the Director of Research and Design Services for Filtrexx International. He is one of the authors of a new book, The Sustainable Site, which will be discussed during the webinar. If the webinar sounds like something that will help your work, you'll want the book as a reference. You can purchase the book ahead of time for \$99 and attend the webinar for free, or attend the webinar for \$29 (click [here](#) to order the book and to register). Once you've registered for the webinar you'll receive confirmation by email. Just a reminder for those of you in different time zones: The April 7 webinar starts at 2:00 p.m. Eastern Standard Time (11:00 a.m. Pacific); the April 12 webinar starts at 1:00 p.m. Eastern (10:00 a.m. Pacific). Read more about the webinar below, or click here to read a full description and more about Britt Faucette and his research. <http://forester.net/university/design-with-nature.html>

## **2011 SGHA Events and Lectures**

- First Friday – SGHA offer's guided tours of the Zimmerman Center for Heritage on the first Friday of each month from 10am-3pm. The Visions of the Susquehanna river art collection is also available to view during this time. Tours are also available by appointment during our regular business hours, Monday-Friday 9am-5pm. Please schedule in advance to ensure we are available to receive your group.
- Susquehanna Heritage Lecture - Wednesday April 11 - Jeri Jones will speak about Geology and Mining along the Susquehanna.
- Saturday April 23, 10am-11:30am - Guided walk of Shenk's Ferry Wildflower Preserve with Mark Arbogast. Enjoy a beautiful walk during the peak of wildflower season. Bring along your family or out-of-town guests!

Register: <http://www.susquehannaheritage.org/SGHA2011Events.asp>

## **Be a part of Go Green in the City 2011! – Apr 23**

Downtown Inc is now accepting applications from artists, nonprofits, "green" businesses, food vendors, etc. who wish to have a booth at Go Green in the City! Space is limited, [apply today!](#) Come downtown and Go Green in the City! What: Go Green in the City is a fun, family-friendly festival, celebrating green living! Come learn simple ways to reduce your carbon footprint, checkout eco-friendly products and just have a fun time going green with us! When: Saturday, April 23, 10 a.m. to 3 p.m. Where: First Block of North Beaver Street in downtown York, PA Live Music: The sounds of some fantastic local bands will fill the street during Go Green in the City! Come and check out [Free Breakfast](#), [Susan Brown](#), Drum Circle with Chris Davis, [Megan and the Wheelmen](#), and [Milk Cow and the Honeybee!](#)

## **2nd Making a difference to restore our bay watersheds! – Apr 30**

This year we are partnering once again with the nation to make a difference and create awareness/education about substance/Rx and OTC abuse. Encouraging the community to bring all the expired and unwanted medications for disposal. As our nation continues to face serious chronic and community issues, we believe the country must invest in its children, its health, its neighbors and its future. Local and across the county and country, our organization is going to make a difference in the areas of safety and responsibility with unwanted medications in homes. GIANT FOOD STORES AND THE AWARENESS GROUP OF HANOVER IS GOING TO HELP CUSTOMERS PROPERLY DISPOSE OF UNWANTED MEDICATIONS. Medication collection and disposal drive scheduled for April 30, 2011. GIANT Food Stores, in partnership with The Awareness Group of Hanover, Penn Township Police Department, the Hanover Borough Police Department and the Pennsylvania State Police, will offer a medication collection and disposal drive on Saturday, April 30 from 10 a.m. – 2 p.m. at its Hanover stores located at 801 Baltimore Street and 455 Eisenhower Drive. The purpose of this program is to provide Hanover and other towns area residents with a means to dispose of unwanted prescription and over-the-counter medicines in an environmentally-safe manner. Benefits From the Event:

- Unwanted medicines accumulating in the household present a public safety hazard;
- Diverting medicines from the toilet or trash can decrease the environmental pollution from wastewater treatment discharge and unlined solid waste landfills;
- Collections help educate the general public about the environmental impact of improper medicine disposal;
- A collection program provides the opportunity to inventory unused drugs and can yield wastage data that could prove valuable to physicians in better managing their prescribing practices.

For more information, contact Martha L. King, Treasurer/Board of Directors, The Awareness Group of Hanover, P.O. Box 702, Hanover, Pa. 17331.

## **MAEscapes Native Plant Fest – May 14**

Spring is on its way and the Native Plant Fest held here at our office in York will be here soon. Don't forget to mark your calendars for May 14 from 9am to 2pm. You will find a huge selection of native plants offered by 7 vendors: Harvey's Gardens; Heartwood Nursery; Keystone Wildflowers; Kollar Nursery; Meadowsweet Native Plants; Splash Aquatics; and Spring Haven. Shop for garden items with Gardener of the Owl Valley or look for gently used or new items at the Master Gardener Yard Sale. As always, soil knives, root hooks and a selection of books will be available. Stop by one of the educational exhibits to learn about pollinators, invasive species, west Nile, and more. Or attend one of the four free educational seminars that will be offered during the morning. Hungry from shopping and visiting? Visit the 4-H Wildlife Club table for a hamburger, hot dog, soft pretzel, drink or a home-baked item. Contact [www.maescapes.org](http://www.maescapes.org)

## **Stream Restoration Workshop II – Jun 7-9**

This three-day Stream Restoration Workshop will consist of two half-day field exercises/field trips that integrate sediment transport and stable stream design and two days of lecture. Strategies for designing stable streams will be developed, including sediment transport, and restoration and habitat structures. The stream design process will include a case study developed from field-collected data. Bring boots or waders; laptops. Prerequisite: Understanding of Stream Morphology, Assessment, & Classification. Lunches: Lunches will not be provided but are available at several nearby campus locations. CEUs Earned: 2.1. Prerequisite: Workshop I or Equivalent Experience. Tuesday, June 07, 2011 8:00 AM to Thursday, June 09, 2011 4:30 PM. Location: Penn State University, 114 Agricultural Engineering Building, University Park, PA 16802. Fee \$250. To register contact [A. R. Jarrett](#).

## **Promoting the Region's River Towns**

The small towns that hug the shores of the Susquehanna not only add character to the region, they help define that character. Their connection to the River defines much of their history. Once they were the center of river-based commerce as logs flowed southward from northern counties, and goods moved in and out of Pennsylvania on the canal paralleling the river. In more recent years those living in river towns have discovered new opportunities for outdoor recreation and experiencing nature. The Susquehanna Greenway River Towns initiative seeks to revitalize these small towns, generate tourism, and create business activity, through a focus on the communities' river-based assets. A major element of the initiative begins this spring with three workshops to help community leaders and the public stimulate local tourism and economic development.

- Sustainable Economics for River Towns on April 27
- Treasured Towns & Landscapes on May 25
- Community Building for River Towns on June 28

Workshop agendas and registration information will be announced on SGP's website at <http://www.susquehannagreenway.org/Pages/Home.aspx>; e-mail [Amy Davis](#) or [Becky Digan](#).

### **New LTAP training course has been scheduled in York County – Sep 7-9**

If interested, please visit the LTAP website and register for this class. If you have any questions, please contact your LTAP Administrator via the LTAP website and your question will be answered as quickly as possible. Have a great day!

- RISK MANAGEMENT STRATEGIES (RS-S04); 9/7/2011 - 9/7/2011; 8:00 AM - 12:00 PM; PENN TOWNSHIP (YORK COUNTY), 20 WAYNE AVENUE, HANOVER, PA 17331
- BRIDGE MAINTENANCE & INSPECTION (RS-M01); 9/8/2011 - 9/8/2011; 8:00 AM - 2:00 PM; LOWER WINDSOR TOWNSHIP, 2425 CRALEY ROAD, CRALEY, PA 17368

Questions? Please call 1-800-FOR-LTAP for assistance.

### **Mid-Atlantic Stream Restoration Conference – Nov 15-17**

November 15, 16 & 17, 2011, Rocky Gap Resort, WV. Please join us for the 2011 Mid-Atlantic Stream Restoration Conference. This year's conference will focus on science, engineering, and technology. The conference will provide an opportunity for stream restoration practitioners, researchers, and policy makers to share ideas and lessons learned in stream restoration planning, assessment, design, construction, evaluation, and other topical stream issues. Scientists and practitioners are encouraged to share experiences, network with colleagues, and become involved in shaping the future of stream restoration in the Mid-Atlantic region. Call for Abstracts – The conference committee is accepting abstracts on a variety of topics such as stream impacts, headwater streams, and innovative restoration design tools, methods and adaptations. Abstracts are due May 1, 2011. You can submit abstracts via email at [masrc11@gmail.com](mailto:masrc11@gmail.com). For more information, visit our [conference webpage](#).



## **WATERSHED TECHNICAL ASSISTANCE**

### **Sink or Source? A New Model to Measure Organic Carbon in Surface Waters**

ScienceDaily (Mar. 18, 2011) — A new carbon model allows scientists to estimate sources and losses of organic carbon in surface waters in the United States. Study results indicate that streams act as both sources and sinks for organic carbon. "Model estimates help managers and researchers track carbon transport in streams, which is information that is ultimately needed to improve our understanding of the fate of rising carbon dioxide levels in the atmosphere," said Dr. Richard Smith, a USGS hydrologist and coauthor of the study. "The study contributes new information on the role of rivers as sources and sinks for organic carbon at regional and continental scales, for which scientific knowledge is rather limited. "Findings show that in-stream photosynthesis by algae is a major contributor of organic carbon in large rivers of the United States. It is the largest source of organic carbon delivered to coastal waters from the Mississippi-Atchafalaya River Basin and the Pacific Northwest. Terrestrial sources of carbon, such as from forests and wetlands, are dominant in all other coastal waters, including waters of the North Atlantic, the South Atlantic Gulf, California, the Texas Gulf, and the Great Lakes. The results also provide estimates of how much of the organic carbon transported in streams is then permanently removed from the water column. The removed carbon is either sequestered in sediments over long time periods or oxidized and returned to the atmosphere as carbon dioxide. The specific fate of the carbon is not quantified in the current model. Study findings are estimated using a hydrological mass-balance model based on long-term monitoring at 1,125 stream locations and national geospatial information, including a river network of approximately 62,000 reaches and their connecting drainages, land cover, climate, soils, and estimates of the supply of carbon to streams from primary production. This newly released U.S. Geological Survey Open-File Report (2010 – 1276), titled An Initial SPARROW Model of Land Use and In-stream Controls on Total Organic Carbon in Streams of the Conterminous United States, by Jih-Shyang Shih, Richard B. Alexander, Richard A. Smith, Elizabeth W. Boyer, Gregory E. Schwarz, and Susie Chung is available online only, at <http://pubs.usgs.gov/of/2010/1276/>.

### **Native Trout Fare Best When Dams Use Natural Stream Flow Management Practices**

ScienceDaily (Mar. 15, 2011) — Natural stream flow suits native trout populations best, according to a new study that is the first to examine the impacts of dam operations on threatened freshwater trout. The study appears in River Research and Applications. In a study to identify the potential impacts of Hungry Horse Dam (Montana) operations on declining native trout populations, scientists with the U.S. Geological Survey, Miller Ecological Consultants, Inc., Spatial Sciences & Imaging and Montana Fish Wildlife and Parks examined how changes in river flow affect fish habitat on the upper Flathead River in Montana. Populations of native bull trout and westslope cutthroat trout have declined throughout ranges in western North America due to a many factors, including habitat destruction, fragmentation and non-native species. Dam operations in the Columbia River Basin have contributed to these declines by changing flow and habitat, and disrupting routes of fish migration. Loss of habitat connectivity and habitat modification can be especially detrimental to native trout populations, the study found. These fish migrate to spawn and feed and prefer large, relatively pristine habitats that are connected without any barriers such as dams. Although the upper Flathead River system in Montana and British Columbia, Canada, is considered a regional and range-wide stronghold for bull trout and westslope cutthroat trout these populations may be threatened by the effects of 55 years of altering flow downstream of the Hungry Horse Dam. Results of the study further suggest that dam management strategies that are more similar to the natural flow of the river will likely improve the chances of protecting habitat and help to maintain and restore bull trout and westslope cutthroat trout populations. One caveat to this observation, is the practice of increasing flow in the late summer to help fish species such as salmon and steelhead, known as "anadromous" because they migrate from salt water to fresh water to breed. According to the study, increasing flow to benefit one species is actually reducing the amount of suitable habitat for another – the bull trout, a species listed as a threatened under the Endangered Species Act. Results from the study are featured in the April 2011 early online edition of River Research and Applications. More information about impacts of dam operations on native fish species can be found online at: <http://nrmsc.usgs.gov/research/HungryHorseDam>

### **It's Time to Update the Definition of "Smart Growth"**

It has been a dozen years or so, fifteen at the most, since a broad but committed group of advocates and organizations coalesced around a shared set of beliefs that, borrowing from then-Maryland-governor Parris Glendening's landmark legislation, we called "smart growth." The phrase suited the movement because it emphasized that we were not opposed to population and economic growth, but we felt it was important to accommodate it in a smarter way: one that reduces the environmental, economic and social costs of unchecked suburban

sprawl and brings investment and opportunity back to communities that had been left behind in the building boom on the fringe of our cities and metro areas. Read article... <http://www.greenbuilding.co.za/content/green-building/ejournal/item/1001-its-time-to-update-the-definition-of-smart-growth.html>

#### **Putting Green to Work: Green Infrastructure on the Rise Nationwide**

From coast to coast, demand for green infrastructure is higher than ever. That's the finding of a new report by American Rivers, detailing the \$1.2 billion allotted to green infrastructure, water and energy efficiency, and environmental innovation through the American Recovery and Reinvestment Act. Read more... <http://www.waterworld.com/index/display/article-display/6196235021/articles/waterworld/stormwater-urbanwater/putting-green-to-work.html?cupid=EnlWaterWorldUrbanWaterManagementMarch172011>

#### **Urban Leaders Showcase Green Infrastructure, Sustainability Connection**

At a recent conference hosted by the Clean Water America Alliance, green infrastructure leaders from around the country gathered to share innovations, strategies, and best practices from some of the most progressive "green" cities in the nation. Read more...

<http://www.waterworld.com/index/display/article-display/2737299385/articles/waterworld/stormwater-urbanwater/urban-leaders-showcase-green-infrastructure-sustainability-connection.html?cupid=EnlWaterWorldUrbanWaterManagementMarch172011>

#### **Group Works for Consistent Stormwater Equipment Standards**

Since the implementation of the NPDES Phase II regulations, the management of stormwater has become an increasingly critical issue. With its implementation has come a diverse array of methods for attaining compliance. Read more...

<http://www.waterworld.com/index/display/article-display/7425716843/articles/waterworld/stormwater-urbanwater/group-works-for-consistent-stormwater-equipment-standards.html?cupid=EnlWaterWorldUrbanWaterManagementMarch172011>

#### **Rainwater harvesting study finds roofing material affects water quality**

With funding from Texas Water Development Board, Cockrell School faculty and students conducted an in-depth study examining the effects of conventional and alternative roofing materials on the quality of harvested rainwater. Read more...

<http://www.waterworld.com/index/display/article-display/9837954944/articles/waterworld/stormwater-urbanwater/green-infrastructure/2011/03/Rainwater-harvesting-study.html?cupid=EnlWaterWorldUrbanWaterManagementMarch172011>

#### **New organization to focus on sustainable infrastructure**

WASHINGTON, DC, Feb. 2, 2011 -- A new, independent non-profit organization tasked with developing and administering a sustainability rating system for North American infrastructure -- the Institute for Sustainable Infrastructure (ISI) -- will hold its first board meeting later this week on February 8 and 9. The organization was founded by the American Council of Engineering Companies (ACEC), the American Public Works Association (APWA) and the American Society of Civil Engineers (ASCE). The ISI rating system is founded on the "triple bottom line" concept of sustainability, which includes environmental, economic and social considerations, and it is designed to identify the benefits of sustainable practice for owners, regulators and practitioners. It represents the only comprehensive assessment system that strives to improve a project's social and environmental performance, while also accounting for economic benefits and creating a better long-term value for the community. The rating system will be formally launched in the summer of 2011 as a voluntary, web-based product. However, unlike other tools, the ISI system will include an option for third-party verification, and will be applicable to a wide range of infrastructure projects, from roads and bridges to energy and water systems. Its robust, objective and transparent methods will also promote community and policy acceptance of sustainable solutions and encourage knowledge sharing, innovation and collaboration in the design, construction and maintenance of infrastructure. The rating system will be performance-based and adaptable based on project size and complexity, allowing state and federal agencies to use it for the very largest projects, while allowing local governments to use it for smaller projects. The system will also include an option for self-assessment as well as third-party certification. The new organization's nine-member board of directors will include representatives from the three founding organizations. From ACEC: Gerald Stump, P.E., COO, Wilbur Smith Associates; Terry F. Neimeyer, P.E., Chairman and CEO, KCI Technologies; Timothy Psomas, P.E., FACEC, Exec. Eng.; Chairman, Psomas Engineering. From APWA: Vicki Vikery Quiram, P.E., Public Works Director, Westwood, MA; Howard B. LaFever, BCEE, P.E., Principal, GHD Inc.; Larry Stevens, PE, Senior Project Manager, Howard R. Green Company. From ASCE: Christine F. Andersen, Public Works Director, Santa Barbara, Calif.; Peter D. Binney, P.E., National Director of Sustainable Infrastructure, Merrick and Company; and D. Wayne Klotz, P.E., D.WRE, F.ASCE, President, Klotz Associates and Past President, ASCE. ISI membership will be open to individuals, organizations and agencies, and the organization will also be developing certification and continuing education programs for rating system users.

#### **Penn State researchers have launched a website designed to act as a clearinghouse for satellite data on the Chesapeake Bay watershed**

The website, [www.chesapeakeview.psu.edu](http://www.chesapeakeview.psu.edu), combines information from government, academia, nonprofits and other institutions regarding the bay's 64,000-square-mile watershed, which runs from New York to Hampton Roads. Data comes from federal sources, such as NASA and the U.S. Geological Survey, and smaller, local groups, including the Choptank River Heritage Center in Maryland. The expansion of satellites, wireless communication, and data processing have led to advances in remote sensing, which allows researchers to track changes to the watershed as they occur. The website, which is part of a nationwide effort by the group AmericaView, is funded in part by the Geological Survey and other federal sources. It comes as federal regulators attempt to nurse the bay, the nation's largest estuary, back to health. Pollution discharged into the bay causes algae blooms that lead to oxygen-deprived dead zones that kills marine life and closes beaches. A number of groups, including the American Farm Bureau Federation, oppose the cleanup effort. Researchers say they will continue to expand the website by gathering information from other groups.

#### **USDA Releases Final Chesapeake Bay CEAP Study**

According to a U.S. Department of Agriculture (USDA) study released on Tuesday, March 15, conservation practices and systems used by farmers in the Chesapeake Bay watershed are reducing sediment and nutrient losses from cultivated cropland. The Conservation Effects Assessment Project (CEAP) study finds that conservation practices have reduced edge-of-field losses of sediment by 55 percent, nitrogen in surface runoff by 42 percent, nitrogen in subsurface flow by 31 percent and phosphorus by 40 percent. The study also finds that additional conservation practices on acres with a high need for additional treatment can reduce per-acre sediment and nutrient losses by more than

twice that of treatment of acres with low or moderate conservation needs. For more information, click here [www.nrcs.usda.gov/technical/nri/ceap/chesapeake\\_bay/index.html](http://www.nrcs.usda.gov/technical/nri/ceap/chesapeake_bay/index.html).

**New Software Puts Forest Ecology in Public Hands**

WASHINGTON, March 10, 2011- The U.S. Forest Service and its partners released this morning the newest version of their free i-Tree software suite, designed to quantify the benefits of trees and assist communities in gaining support and funding for the trees in their parks, schoolyards and neighborhoods. U.S. Forest Service Chief Tom Tidwell unveiled the new software suite in a ceremony at the Fairmount Horticultural Center in Philadelphia. i-Tree v.4 , made possible by a public-private partnership, provides urban planners, forest managers, environmental advocates and students a free tool to measure the ecological and economic value of the trees in their neighborhoods and cities.

The Forest Service partnered on the project with The Davey Tree Expert Company, the National Arbor Day Foundation, the Society of Municipal Arborists, the International Society of Arboriculture and Casey Trees. The Forest Service and its partners will offer free and easily accessible technical support for the i-Tree suite. “Urban trees are the hardest working trees in America,” said Forest Service Chief Tom Tidwell. “Urban trees’ roots are paved over, and they are assaulted by pollution and exhaust, but they keep working for us.” Urban trees provide temperature control, clean water, clean air and mitigate climate change by sequestering tons of carbon, said Tidwell. The i-Tree suite of tools has helped communities of all sizes gain funding for urban forest management and programs by quantifying the value of their trees and the environmental services trees provide. Read article... <http://www.erosioncontrol.com/the-latest/forest-service-software.aspx>

**Street Sweeping 101 – Using street sweepers to improve water and air quality**

Since its inception in the early 1900s, mechanized street sweeping has been used to remove what might be termed “cosmetic” or “political” debris from roadways and other paved surfaces. Conventional wisdom has always dictated that if a street looked clean, it was clean. Today however, this reason for sweeping is undergoing significant reappraisal. That is because study after study dating back to the 1970s (Sartor and Boyd 1972; Pitt and Amy 1973; Pitt 1979; Revitt and Ellis 1980; Biggins and Harrison 1980; Pitt and Sutherland 1982; Pitt and Shawley 1982; Pitt 1985; Pitt and McLean 1986; HDR 1993; Sansalone et al. 1998; Sansalone and Tribouillard 1999; Hubbell, Roth, and Clark 2001; Tetra Tech 2001; Townsend et al. 2002; and PWR 2004) have constantly shown that up to 50% of heavy metals and other pollutants of great concern like nutrients and toxics are attached to street dirt particles too small for most mechanical brush sweepers currently being used to effectively remove. Even though a street may look clean after being swept, there still may be a significant loading depending on the sweeper model used and the operational characteristics employed by the driver. But in spite of this overwhelming evidence, a controversy continues to rage over the actual particle pickup effectiveness of modern day sweepers and whether that effectiveness translates into a real reduction in the mass of pollutants being washed from urban streets and transported downstream by stormwater and entering receiving waters (Sutherland 2009a). In addition, extremely small-micron particles are seen to pose a significant air-quality concern. According to EPA estimates, about 30,000 people in the United States die each year as a result of pollutants attached to extremely small-micron particles, and about 1,000,000 more sustain serious lung impairment. Read article.. <http://www.stormh2o.com/january-february-2011/street-sweeping-101.aspx>

**DEP Proposals Currently Open for Comment**

Date Published In PA Bulletin	Proposal	Comment Deadline
2/26/2011	Draft Technical Guidance 275-2101-003: Air Quality Permit Exemptions <a href="#">PA Bulletin Notice</a> <a href="#">Draft Guidance</a>	5/26/2011
2/26/2011	BAQ-GPA/GP 11: Nonroad Engines <a href="#">PA Bulletin Notice</a> <a href="#">Draft GP</a>	5/26/2011
3/12/2011	Non-EGU Ozone Season Nox Emission Limits <a href="#">PA Bulletin Notice</a>	3/28/2011
3/12/2011	Proposed 2015 CAIR NOx Allowance Allocations <a href="#">PA Bulletin Notice</a>	3/28/11

