

WAY E-NEWS

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



Monday, July 1, 2013

A PUBLIC-PRIVATE PARTNERSHIP

Volume 13, Issue 13

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- 2014 Keystone Coldwater Conference Call for Papers & Posters - Sep 20
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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
 - 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
 - FISH KILL 1-855-347-4545
- 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 4/27/2011

- Filtering Runoff Phosphorus with a Phosphorus Removal Structure
- Satellite Data Will Be Essential to Future of Groundwater, Flood and Drought Management
- River Dredging Reduced Fish Numbers, Diversity
- NOAA Chesapeake Bay Office Launches Online Oyster Decision Support Tool
- FEMA Risk MAP Launches Enhanced GIS Services for MSC and MIP
- EPA Report Details How Development Can Impact Public Health, Environment
- EPA's Climate Ready Water Utilities Initiatives Release Climate Change Risk Assessment and Adaptation Planning Reports
- Assessing the Economic Impact of Local Food Production
- Proposals Currently Open for Comment



WATERSHED ALLIANCE NEWS

Ag Land Preservation Board of York County - www.york-county.org/gov/AUTH/agri.htm

- For information contact Patty McCandless at 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

Codorus Creek Watershed Association - www.codoruscreek.net

- July 8 – 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

- For more information, contact the York County Community Foundation at 717.848.3733; Email: info@yccf.org

Codorus State Park

- Contact Manager Warren Wernitz, Codorus state Park Ph: 717-637-2816; E-mail: codorusssp@pa.gov

Conewago Canoe Club - www.conewagocanooclub.org

- Club Meets bi-monthly at Mount Zion United Church of Christ, 7:00 pm, at Ridgewood Road in Pleasureville
- Questions or comments e-mail me 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.

Farm & Natural Lands Trust of York County - www.farmtrust.org

- Contact: Sean Kenny at Farm & Natural Lands Trust of York County. Ph: (717) 843-4411 or e-mail skenny@farmtrust.org

Gifford Pinchot State Park - 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. Ph: 717-432-5011

Gunpowder Valley Conservancy - www.gunpowderfalls.org

- Contact: Gunpowder Valley Conservancy, P.O. Box 9733. Towson, MD 21284. Or Assistant Project Manager Rachel Streusand rstreusand@gunpowderfalls.org.

Horn Farm Center for Agricultural Education - www.hornfarmcenter.org

- Contact: Horn Farm Center for Agricultural Education. Ph: (717)654-0571. Email: info@hornfarmcenter.org. Web: www.hornfarmcenter.org.

Izaak Walton League York Chapter #67 - www.yorkchapter67iwla.org/

- Club Open Meetings are held the Third Tuesday of each month at 7pm in the Clubhouse.
- Contact: York Chapter #67 IWLA. Ph: 717-428-2000

Lower Susquehanna Riverkeeper - www.lowersusquehannariverkeeper.org

- Support Lower Susquehanna Riverkeeper and Clean Water - We are working on a shoestring budget. In our 8th year of working for you and all of our children's futures, we've become accustomed to tight budgets. From the very beginning an amazing foundation called the Keith Campbell Foundation for the Environment has been matching our members' contributions. They have now DOUBLED even that commitment! For every dollar you give, they will give us TWO! A \$50 family membership from you today puts \$150 into our efforts to protect and improve our communities, creeks, and the Susquehanna River. We know it is a tough economy, and that's why we don't ask often, but with that tough economy comes more and more attacks on our waterways and landscapes. Too often people see the creeks and rivers as a cheap place to dump their pollution. Now, more than ever, we need to push back against this mentality. And no matter how cliché it sounds this water, these creeks and rivers, need to support all of our children, grandchildren, and all future

generations. Please help us leave them the legacy of healthy, prosperous, and fun creeks, communities, and Susquehanna River by donating to our work today @ www.LowerSusquehannaRiverkeeper.org.

- Contact: Michael Helfrich, Lower Susquehanna RIVERKEEPER®, York, PA. Cell phone: 717-779-7915 E-mail: lawsusriver@hotmail.com.

Maryland's Upper West Shore Trib Team – <http://www.dnr.state.md.us/waters/tribstrat/>

- Contact: Rupert Rossetti, Tributary Team Coordinator, e-mail: RupertRossetti@aol.com

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

- Contact: James Hooper at 717/252-3784 or j.e.hooper@ieee.org

Mid-Atlantic Ecological Landscapes Partnership [MAEscapes] – www.maescapes.org

- Contact: 717-840-7408 or Connie Schmotzer at cxs51@psu.edu

Peach Bottom Concerned Citizens Group Inc. - www.pbccg.com

- Contact Maria Payan by email 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

- Contact: Nancy Shaper at nshaper@ihmi.edu

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

- Contact GVP Sierra Club, P.O. Box 606, Harrisburg, PA 17108-0606. GVPsierraClub@email.com

Shank's Mare Outfitters GO PLAY OUTSIDE! – www.shanksmare.com

- Call Us: 717-252-1616. Email us: Shanksmare@comcast.net

Spoutwood Farm Center for Sustainable Living – www.spoutwood.com

- May 22 – Board of Directors meeting, 6:30 PM, at Spoutwood Farm Center.
- Contact Rob & Lucy Woods at Spoutwood Farm at 717-235-6610 or spoutwood@comcast.net.

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

- Contact Mark Platts, Susquehanna Heritage Corporation. Ph: 717-252-0229. E-mail: info@lyhr.org.

Trout Unlimited Codorus Chapter #558 – www.codorustu.org

- Monthly Chapter Meetings 2nd Wednesday, 7:00 p.m., at Gander Mtn. (winter)
- Contact: Tom Finenze at 840-1372 or tom@codorustu.org

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

- Monthly Chapter Meetings 2nd Wednesday, 7:00 p.m.,
- Contact: Ron Heuston, President MCTU, 244-1851 or Heuy1955@aol.com

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

- WAAC meets the 4th Wed, 8:30AM, at the Adams County Ag Center
- Contact: Adam McClain, Ph: 717-334-0636; E-mail: stilden@adamswatersheds.org

Watershed Alliance of York – www.watershedsyork.org

- July 10, 2013 – Annual Meeting of WAY Board of Directors, 7:00 PM, at The York Water Co., Mt. Rose Ave.
- 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. Distribution: electronic (1,850). Frequency: bi-weekly. Subscription: No charge. Editor: Gary R. Peacock.
- 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

Wecology – www.wecologypa.org/

- Contact: Wecology 130 E.Market St., York, PA 17405. Phone: 717-718-7554.

Yellow Breeches Watershed Association – www.ybwa.org

- Yellow Breeches Paddle Cleanup Jun 23 – Hello sojourners and friends of the Yellow Breeches Creek! Please join the YBWA for an on-the-water paddle cleanup of litter and debris from the Yellow Breeches Creek. Ages 11 and up welcome. YBWA t-shirt, brown-bag lunch, and dinner will be provided for each person that mails in their registration forms by June 10th. Information and registration forms are attached below and are available on our website, ybwa.org. Volunteers are needed on the ground and on the water in boats. Please consider giving your time and effort to take care of the PA Scenic River and treasure that flows through our local community. Did I mention that the Yellow Breeches Creek is the source of your drinking water? The Breeches needs our attention. Please help. Feel free to email or call us with any questions; and by all means, please share with your friends. Thanks! Hope to hear from you! Debbie Goetz deborah.p.goetz@gmail.com; cell- 717-514-4288, or Brook Lenker, brooklenker@comcast.net; cell- 717-756-2637. Yellow Breeches Watershed Association, PO Box 5, Grantham, PA 17027
- Contact: Deborah Goetz, at deborah.p.goetz@gmail.com or phone 717-697-4734

York-Adams Pharmaceuticals Stewardship Alliance

- Contact: Martha King at 717-968-3083.

York-Adams Regional Smart Growth Coalition – www.yorkadamssmartgrowth.org

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

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

- Contact Tom Smith at 717-246-9767 or tls35@psu.edu.

York County Conservation District – www.yorkccd.org

- Board meets 2nd Friday, 11:00 a.m. (December-March) and 2nd Thursday, 7:00 p.m. (Apr.-Nov.), at the York County ANNEX
- Contact: YCCD at 717-840-7430 or yorkccd@yorkccd.org

York County Parks & Recreation – www.YorkCountyParks.org

- For more information, contact York County Department of Parks and Recreation. Ph: (717) 840-7440. E-mail: Parks@York-County.org. Web: www.YorkCountyParks.org.

York County Planning Commission – 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

York County Solid Waste Authority – <http://www.ycswa.org/>

- Contact YCSWA at 717-845-1066



WATERSHED EDUCATION & OUTREACH

Scientists predict smaller than average dead zone for Chesapeake Bay

As algae blooms decompose, dissolved oxygen disappears from the water and suffocating dead zones form. But low spring nutrient loads should lead to a decline in algae blooms and an improvement in Bay water quality this summer. [Read More](#)

Restoration Spotlight: Urban wetland provides refuge for Baltimore wildlife

Built to offset area pollution, the manmade wetland that sits outside the historic Fort McHenry has created a refuge for Baltimore's wildlife and residents alike. The National Aquarium now uses the space as an educational tool.

[Read More](#)

Chesapeake Bay's blue crab stock considered sustainable in 2013

A new report on the blue crab population reveals a sustainable stock that is not overfished. A risk-averse management approach and a 10 percent cut to the female harvest could help maintain a sustainable blue crab fishery.

[Read More](#)

Photo Essay: Biologists track bay grass abundance for clues about water quality

Because underwater grasses are sensitive to pollution, their abundance can tell us a lot about the health of the Chesapeake Bay. This photo essay follows scientists and volunteers as they sample grasses to gauge water quality.

[Read More](#)

Reducing Chesapeake Bay pollution is focus of controversial new plan

Lancaster Online – A bold and controversial initiative has been launched in the Legislature that would dramatically shift how Pennsylvania strives to meet its deadline to reduce nutrients and sediment from agriculture that pollute the Chesapeake Bay. Under the Major Watershed Improvement Act, the plan to stem nutrient runoff would move away from piecemeal financial aid going to farmers, new mandatory stormwater management regulations in all municipalities and sewage-plant upgrades. Read more...

<http://lancasteronline.com/article/local/862866-Reducing-Chesapeake-Bay-pollution-is-focus-of-controversial-new-plan.html>

EPA Will Not OK Nutrient Reductions From Manure Treatment Tech Under SB 944

On June 19 the U.S. Environmental Protection Agency announced that practices and technologies that are not approved by EPA's Chesapeake Bay Program will not be allowed to be counted toward meeting Chesapeake Bay cleanup milestones. The manure treatment technologies at the heart of [Senate Bill 994](#) (Vogel-R-Beaver) now pending in the Senate are not approved by EPA's Chesapeake Bay Program.

Oysters Could Rebound More Quickly With Limited Fishing and Improved Habitat

Science Daily – A new study shows that combining improved oyster restoration methods with limits on fishing in the upper Chesapeake could bring the oyster population back to the Bay in a much shorter period of time. The study led by Michael Wilberg of the University of Maryland Center for Environmental Science's Chesapeake Biological Laboratory assessed a range of management and restoration options to see which ones would have the most likelihood success. Read more... <http://www.sciencedaily.com/releases/2013/06/130613124314.htm>

Practices improving soil health also reduce erosion in extreme weather

Hoosier Ag Today – From drought to flood conditions, it seems there is no longer a "normal" growing season for Indiana farmers. A year of extreme heat and drought in 2012 was followed by a cool, wet spring. These types of weather extremes can be very damaging to Indiana's soils, but farmers who are applying soil health practices, like cover crops and no-till, are benefiting the most. Read more...

<http://www.hoosieragtoday.com/index.php/2013/06/16/practices-improving-soil-health-also-reduce-erosion-in-extreme-weather/>

Foundations Meet to Discuss One Water Management

More than 60 leaders representing a broad spectrum of water stakeholder interests met in Washington, D.C. to discuss and advance a more integrated and holistic approach to water resources: One Water Management (OWM), also known as Integrated Water Resources Management and Total Water Management. "Collaboration and integration lead to smarter water policies," said Ben Grumbles, president of the U.S. Water Alliance, the organization that convened the national meeting. Reflecting the growing momentum toward OWM, the meeting itself was the product of a collaboration among three key water foundations: the Water Environment Research Foundation, the Water Research Foundation and the WaterReuse Research Foundation. Their interests were to inform and be informed by stakeholders and champions for a sustainable integrated approach. http://www.estormwater.com/foundations-meet-discuss-one-water-management?goback=.gde_1982059_member_252844935

Blog Spotlight: Innovative Technology for Water

Nancy Stoner, acting Assistant Administrator for EPA's Office of Water, has blogged about the Water Technology Innovation Blueprint released in March for EPA's national water program. The blueprint promotes technology innovation as a means to speed progress toward clean and safe water. Innovative technology projects show their potential for solving our water challenges. Read the blog at

<http://blog.epa.gov/blog/2013/06/innovative-technology-for-water/>

Proposed Change to the Comprehensive Plan for the Water Resources of the Susquehanna River Basin

On June 20, 2013, the commissioners of the Susquehanna River Basin Commission (SRBC) authorized staff to release proposed updates to the *Comprehensive Plan for the Water Resources of the Susquehanna River Basin* for public review and comment <http://www.srbc.net/planning/compplanfiles.asp>. The draft updated Plan will also be part of a SRBC public hearing to be held on August 15, 2013, in Harrisburg, Pennsylvania. Written comments can be submitted through August 26, 2013. Details on the hearing are available at <http://www.srbc.net/pubinfo/publicparticipation.htm>.

EPA's Science Matters Newsletter Focuses on Climate Change Research

The current issue of EPA's Science Matters focuses on how EPA researchers and partners are developing the latest climate change science and incorporating it into strategies and actions to protect human health and the environment. The issue includes stories on: using climate models and watershed simulations to better understand climate change effects on streams and rivers; protecting salmon from warming waters in the South Fork Nooksack River Watershed; as well as a Q&A podcast with the Associate Director for Climate for the Air, Climate, and Energy Research Program. To view this issue of Science Matters, visit: <http://epa.gov/sciencematters/>

NOAA's National Climatic Data Center (NCDC) Releases 2012 Billion-Dollar Weather and Climate Disasters Information

2012 saw 11 weather and climate disaster events each with losses exceeding \$1 billion in damages. This makes 2012 the second costliest year since 1980, with a total of more than \$110 billion in damages throughout the year. The 2012 total damages rank only behind 2005, which incurred \$160 billion in damages due in part to four devastating land-falling hurricanes. The 2012 billion-dollar events included seven severe weather and tornado events, two tropical cyclone events, and the yearlong drought and its associated wildfires. These 11 events killed over 300 people and had devastating economic effects on the areas impacted. The two major drivers of the damage costs in 2012 were Sandy at approximately \$65 billion and the yearlong drought at approximately \$30 billion. To learn more and to read the NCDC's report, visit: <http://www.ncdc.noaa.gov/news/ncdc-releases-2012-billion-dollar-weather-and-climate-disasters-information>

Looking Back: Social Media during Emergencies

The 2013 Atlantic hurricane season is in full swing. While some states are more vulnerable to hurricanes than others, many are at risk. Social media and other collaborative technologies have played an integral part of preparation, response and recovery efforts. It is important to look back at past ways social media was used, identify areas for improvement and begin to develop and enhance the tools needed to improve response this year and beyond. To accomplish this, the Virtual Social Media Working Group (VSMWG) published its newest document,

- [Lessons Learned: Social Media and Superstorm Sandy](#). The report is the result of input and discussion from across the first response community. It provides an overview of how social media was used to prepare for, respond to and recover from Superstorm Sandy. It also discusses lessons learned and themes in the application of social media and other collaborative technologies. In addition, the VSMWG announced the re-release of three documents focusing on social media in emergency management:
- [Social Media Strategy](#)—a high-level introduction to social media and its benefits to public safety agencies;
- [Next Steps: Social Media for Emergency Response](#)—a follow up to the "Social Media Strategy," presenting challenges, next steps, and best practices for public safety agencies that are developing and implementing their own social media; and
- [Community Engagement and Social Media Best Practices](#)—a guide to successfully using social media to engage whole communities for preparedness.

For more information on the VSMWG, please visit First Responder Communities of Practice at www.communities.firstresponder.gov.

EPA Makes Available Information Collection Request for List of Chemicals for Endocrine Disruptor Screening

EPA has initiated a 30-day public review of the information collection request for collecting data for a list of chemicals that will be screened for their potential to interact with the endocrine systems of humans and wildlife. EPA has also made available the list of chemicals covered by the information collection request and related policies and procedures for collecting data. This is the first time that non-pesticide commercial chemicals will be identified for endocrine screening. This second list of chemicals for endocrine disruptor screening includes 109 chemicals;

20 of the commercial chemicals found in sources of drinking water are also on the Toxic Substances Control Act work plan chemicals list for further assessment. Visit EPA's endocrine disruptor screening program website for more information: <http://www.epa.gov/endo/>

House Environmental Committee OKs Water Well Standards Bill

The House Environmental Resources and Energy Committee Tuesday amended and reported out legislation authorizing the state to set standards for the construction of drinking water wells. The legislation-- [House Bill 343](#) (Miller-R-York)-- was amended to adopt water well construction standards established by the National Groundwater Association rather than authorizing the Environmental Quality Board to establish standards by regulation. The bill was also amended to prohibit the Department of Environmental Protection to issue permits or charge for individual private water wells. Some 20,000 new water wells are drilled each year in Pennsylvania, but the Commonwealth is one of the few states without private well regulations. More than 3 million Pennsylvanians rely on about 1 million private wells for drinking water. Improperly constructed water wells can lead to poor water quality by providing pathways for bacteria and contaminants such as naturally occurring shallow methane gas to migrate into water supplies. Ensuring that the well is constructed properly from the start will help to prevent water quality problems in the future. The bill was reported to the full House and then referred to the House Rules Committee. Rep. Ron Miller (R-York) serves as Majority Chair and Rep. Greg Vitali (D-Delaware) serves as Minority Chair.

Farm Markets and Water Quality

Summer weather is here and many local farm markets have opened for the season. More and more folks are raising produce on their land and selling it at these farm markets. As a producer, it is important to do a little research to ensure that you are providing healthy, safe, edible produce. An important thing to consider is the water source you use to wash and package your final product. If a contaminated water source is used in any of these steps, you, as the producer and seller, could become liable for the health risks. To avoid these situations, you should ensure that the water you use on your operation is from a clean, high quality and reliable source. Read more...

http://extension.psu.edu/natural-resources/water/discovery-watersheds/news/2013/farm-markets-and-water-quality?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+agsci-water-watershedwinds+%28Penn+State+Watershed+Winds+Newsletter%29

DEP Reminds Pool Owners to Handle Waste Water Safely

Private and public pool owners, as well as pool management companies, should remember that chlorinated wastewater must be handled responsibly, Acting DEP Secretary Chris Abruzzo said today. When chlorinated water is drained from a swimming pool into a storm sewer, it can quickly make its way to a stream or other body of water, where aquatic life can be damaged or killed. The discharge of swimming pool water to local waterways without a permit is a violation of the Clean Streams Law. For more information, or to view the Swimming Pool Wastewater Guidelines, visit www.dep.state.pa.us, keyword: pool wastewater.

Septic system basics for homeowners, community leaders, planners and realtors

What is wastewater, and why do we treat it? We all create wastewater multiple times a day – whenever we use the toilet, take a shower, or wash the dishes or our clothes. In general, residential wastewater is defined as any water generated by household fixtures. It's what we dispose of down the drain at home. In most cases, this used water needs to be cleaned before it's put back into the environment or before we use it again. It's for the benefit of the public's health and the Earth's health that we treat wastewater. Of course, wastewater looks and smells bad. Beyond that, and more importantly, untreated wastewater can cause and spread disease. Untreated wastewater can have harmful effects to the water when it is returned to the environment. Sewage depletes oxygen in the water, is harmful to aquatic life, and can result in excess nutrients being discharged into water bodies, resulting in the growth of nuisance vegetation. This article is the second in a series on onsite/decentralized wastewater treatment. The first article is titled "[What is an onsite or decentralized wastewater system?](#)" This article is also part one of a three-part article on the basics of septic systems.

EPA's Nutrient Pollution Website

One of America's most widespread & costly environmental problems is excess nitrogen and phosphorus in the air and water. Visit the EPA Nutrient Pollution website to learn more.

http://www2.epa.gov/nutrientpollution?utm_source=Spring+2013+Water+Policy+News&utm_campaign=Spring+2013+WPN&utm_medium=email

EPA Features Locally Led Efforts in Urban Water Restoration via Video Series

EPA has released Urban Waters Voices, a series of 12 video interviews featuring locally led efforts to restore urban waters in communities across the United States. These videos feature local efforts and strategies to improve urban water quality while advancing local community priorities. This week's video spotlights Darryl Haddock, Environmental Education Director for the West Atlanta Watershed Alliance, describing some of the challenges faced by communities in the watersheds of Proctor, Sandy, and Utoy Creek (e.g. combined sewer overflows, water quality issues, and access to recreational opportunities) and how the organization is using their outdoor activity center to educate and engage residents about these challenges. [Watch the video](#)

Videos from the Baywide Stormwater Partner's Retreat are up!

Videos are brought to you by Chesapeake Watershed ForumPlus, an initiative by Alliance for the Chesapeake Bay. ForumPlus is designed to provide you and your organization with continuous opportunities to learn, network, and inspire each other on a variety of environmental subjects through many social platforms. View the videos by visiting the ForumPlus [Youtube](#) page. There you will find ForumPlus videos from events conducted by the Alliance and their partners. Watch, share, and comment!

NESC Has Free Public Service Announcements PSAs Aid Community Water Quality Efforts

The National Environmental Services Center (NESC) has three video public service announcements (PSAs) about the importance of septic system maintenance for community water quality. The PSAs reflect NESC's ongoing commitment to effective wastewater treatment and source water protection, and are available for communities and watershed groups to use for free. Presented in a humorous light, each video drives

home the message that homeowners are responsible for safe guarding our drinking water through proper septic tank operation and maintenance. NESC encourages communities to use these brief PSAs as part of a public awareness campaign to protect source water. View and download the videos by going to: www.nesc.wvu.edu/subpages/psa.cfm.

StormTV Project

If you are using innovative techniques to manage stormwater, share your success with others via video. WEF's StormTV Project is a video competition with the goal of sharing creative ways of managing stormwater, improving water quality, and informing the public. Winners in four categories will receive complimentary registration to WEF's Stormwater Congress, held in conjunction with WEFTEC 2013. Read more about the competition and check out a map of the projects already submitted: <http://stormwater.wef.org/stormtvproject/>



WATERSHED FACILITATION ASSISTANCE

Spoutwood Farm TEEN BATTLE CHEFS stirring up change this summer! - Jul

The Teen Battle Chef program empowers youth to become ambassadors for healthy eating, through hands-on cooking activities. Teen Battle Chef is an eight session program that teaches teens and "tweens" how to cook using fresh, healthful ingredients. Each session two teams of young chefs learn culinary skills, nutrition, team work and leadership as they make (and taste) delicious multicultural recipes and present their finished products in the weekly "food battles." The chefs learn about the county of origin of the recipes and experience new foods and flavors. Ultimately each team researches and creates a recipe to prepare for the "final battle." Family and special guests are invited to celebrate with the teams at their final presentations. Graduates of the program can go on to become CHEFS (Culinary Health Educators from Spoutwood), leading healthy food demonstrations at community events, schools, health fairs, farmers markets and at Spoutwood Farm events and festivals. Our summer TBC program will be held Monday-Thursday, July 8, 9, 10, 11, 15, 16, 17, 18, 10:00 AM -1:00PM, at Spoutwood Farm 4255 Pierceville Road, Glen Rock, PA 17327. \$100.00 for the eight session program includes lunch. Contact Liz Leinwand to register: 443 695 0015 lizleinwand@comcast.net. Or register on-line www.spoutwood.org.

Monthly webinar series on land-use issues - Jul 17

UNIVERSITY PARK, Pa. – A new series of Web-based seminars offered by [Penn State Extension](#) will cover issues related to land use. Kicking off July 17, the 75-minute, monthly webinars will be offered from noon to 1:15 p.m. on the third Wednesday of the month. The sessions will include time for questions and answers. The workshops are intended to help planners, elected officials and concerned citizens come together to make better land-use decisions. Through this webinar series, you can learn more about planning and current planning issues. The presentations will cover local regulations and how and why they are created, as well as planning tools and resources available to decision makers in Pennsylvania. Participants will learn how to engage in planning to benefit their community.

<http://news.psu.edu/story/280188/2013/06/26/impact/monthly-webinar-series-land-use-issues-start-july-17>

Hydrology 101 (For Those Who Skipped it in College) - Jul 30 & Aug 1

with [David Williams](#), Ph.D., P.E., PH, CFM, CPESC, D.WRE. 2 Sessions: July 30th & August 1st. 0.3 CEU / 3 PDH Credits At a loss when hydrologic engineers start throwing out fancy terms like flood return interval, antecedent moisture condition, initial abstraction, etc.? As a professional working with these technical individuals and their reports, it's essential that you fully understand "where they are coming from". Join former IECA President, [Dr. David Williams](#) for a two-part series exploring the concepts, terms, and analyses behind hydrology, and the basis of the analyses that goes into hydrologic studies. After covering the basics, we'll follow-up with an exploration of advanced topics (e.g., hydrologic losses, determining runoff, developing a hydrograph, and routing the channel downstream), as well as how this information is essential for good hydrologic design.

- July 30: Hydrology 101, Part I. In this session we'll discuss the hydrologic cycle, common terms, frequency analysis (how do you come up with the 100 year storm?), sources and use of precipitation data, and developing hypothetical (synthetic) storms for use in design of flood control projects.
- August 1: Hydrology 101, Part II. In this session, we'll move beyond the basics to advanced topics and how this information is used to develop information essential for hydraulic engineers to develop their designs. Advanced topics include: hydrologic losses, determining runoff, developing a hydrograph, and routing the channel downstream.

<http://www.foresteruniversity.net/webinar-hydrology.html>

Low Impact Development Symposium - Aug 18-21

The 2013 International Low Impact Development (LID) Symposium will be held August 18-21 in St. Paul, Minnesota. The LID Symposium will bring together more than 1,000 experts and professionals to share their research, implementation, policy, financing, and education strategies to build and restore cities while protecting our environment. Session categories include: Policies; Ordinances and Regulatory Compliance; LID Practices; Education and Outreach, Modeling and Computations; Retrofitting and Redevelopment; Planning and Design; Design and Construction; Financing and Cost Benefit; LID Applications, Monitoring and Measurements; and Maintenance of LID Practices. After the conference, more than 290 presentations will be recorded and available to attendees for one year through a password-protected secure website. Early Bird Registration, \$370 for the full symposium and \$185 for pre-symposium short courses, expires on July 15th. For more information or to register, [click here](#).

Pennsylvania Community Forestry Conference 2013 - Trees: The Original Green Infrastructure - Aug 23

Join the Pennsylvania Community Forestry Council, DCNR Bureau of Forestry, and Penn State Extension for a daylong conference that explores the importance of establishing and protecting green infrastructure in our communities. Learn how green infrastructure can improve the quality of life in your community while saving money. If you are a municipal forester, member of a shade tree commission or environmental advisory

committee, community planner, commercial arborist, environmental consultant, or an advocate for community trees, make it a point to attend this annual conference and tour of Green Infrastructure in State College.

<http://www.cvent.com/events/pennsylvania-community-forestry-conference-2013-trees-the-original-green-infrastructure/event-summary-62a32eb0ee0f474ab7052cf51c696ec6.aspx?i=730cd3bd-3c72-4449-8e55-61765ec370b5>

Conservation Landscaping Field day & Tour – Aug 23

York County, PA – Friday, August 23, 2013; 8:30 a.m. to 4:15 p.m.

For landscape architects, landscape designers, contractors, land planners, municipal officials, and other professionals in the landscape design and installation field. Visit 4 sites that illustrate the Eight Essential Elements of Conservation Landscaping which include environmentally sensitive design, conservation of water, use of native plants to create wildlife habitat:

- Public building landscaped with native plants and 2 rain gardens
- Private property with restored woodland and stream
- Suburban home that utilizes a rain garden and native meadow plants to manage storm water
- A development detention basin transformed for wildlife habitat

Each site features a special speaker with technical expertise: Mary Kline, RLA; Mike Hollins, Envirens, Inc.; Claudia West, North Creek Nursery; Tom Smith, Penn State Extension. Tour begins at the County Annex, 112 Pleasant Acres Rd, York, PA 17402. To Register: Fee: \$40.00

includes continental breakfast, lunch, resource materials and transportation to all sites. Register early - tour is limited to 35. Deadline is August 17. REGISTER ONLINE at www.chesapeakelandscape.org. Or make check payable to “Chesapeake Conservation Landscaping Council” and put “PA tour” in the memo line. Mail your check with the registration form to: CCLC PA Tour, c/o Adkins Arboretum, P.O. Box 100, Ridgely, MD 21660 QUESTIONS? Contact: Connie Schmotzer cxs51@psu.edu. 717-840-7408

2014 KEYSTONE COLDWATER CONFERENCE CALL FOR SPEAKERS AND POSTERS – Sep 20

Proposals are now being accepted for presentations and posters for the 2014 Keystone Coldwater Conference, titled “Coldwater Resources: Current Practices in Conservation, Protection, and Restoration”. This conference, hosted by the Pennsylvania Council of Trout Unlimited, will be held on February 21-22, 2014 at the Ramada Inn Conference Center in State College, Pennsylvania. Proposals are welcome on topics related to the conservation, protection and restoration of our coldwater resources in Pennsylvania. Presentations should highlight research, case studies, proactive community action, policy and regulations, or targeted outreach and advocacy that have played a part in ensuring environmental protection. For more information please visit <http://coldwaterheritage.org/keystone-coldwater-conference>.

Urban Waterfronts 2013 – Sep 25-28

September 25-28, 2013. Location: Davenport, Iowa. This event brings together top planners, designers, developers and civic decision makers to share their experiences and thoughts on urban waterfront development issues. The conference format includes interactive sessions where participants network with attendees from all over the world with a shared passion and concern for waterfronts.

<http://waterfrontcenter.org/Conference/Conference13.htm>

STORMWATER FACILITY OPERATION AND MAINTENANCE/A1 (RS-M09-A1) – Oct 2

A new LTAP training course has been scheduled within your county. STORMWATER FACILITY OPERATION AND MAINTENANCE/A1 (RS-M09-A1). 10/2/2013; 8:00 AM - 12:00 PM; LINCOLN FIRE STATION, 800 ROSEVELT AVENUE, YORK, PA 17404. 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. Questions? Please call 1-800-FOR-LTAP for assistance.

2013 Susquehanna Water science Forum – Oct 7-8

The 2013 Susquehanna Water Science Forum will address the need to encourage, publicize and disseminate research to ensure that the best available scientific information is used to establish priorities and support sustainable water resource management in the Susquehanna River Basin. The Forum will bring together researchers and water resource managers to share current water resource research, prioritize research needs and better coordinate research activities in the Susquehanna River Basin. Public and private interests will focus on applied research in aquatic ecosystem management, providing a catalyst for continued coordination and development.

<http://www.srbc.net/waterscienceforum/index.htm>



WATERSHED FINANCIAL ASSISTANCE

National Park Service Rivers, Trails, and Conservation Assistance Program – Jul 1

This program provides technical assistance to community-led natural resource conservation and outdoor recreation projects. Communities selected will receive help in mapping community resources; designing community outreach and participation strategies; developing concept plans for trails, parks, and natural areas; and identifying funding sources. Intent to apply notification due: July 1, 2013. Full applications due: August 1, 2013

Grant Deadline Approaches! – Jul 31

York County Community Foundation is seeking grant proposals for projects that will address one of the three focus areas: Education, Revitalizing Downtowns, or Nonprofit or Municipal Strategic Alliances. Strategic Community Grant Applications will be accepted from nonprofit or government organizations located anywhere in York County for grant amounts up to \$5,000. Proposals must be submitted through the Community Foundation's online application process. The deadline to submit a grant application is Wednesday, July 31, 2013, at 5 pm. Please go to [grants](#) for more information.

DEP Now Accepting Applications For Growing Greener Watershed Restoration Grants – Aug 16

The Department of Environmental Protection is now accepting applications for its latest round of [Growing Greener Plus Watershed Restoration](#) and Protection Grants. Applications are due August 16. ([formal notice](#)). The Department anticipates there will be approximately \$18 million available for Growing Greener grants, \$3 million available for 319 NPS grants and \$2 million available for acid mine drainage set-aside grants in this round. For the upcoming grant round, the Department will invest in projects that will ultimately protect or restore, or both, this Commonwealth's watersheds from impairment due to nonpoint source pollution. Examples of special priority areas include: projects located in "priority" watersheds that reduce the source of impairment; "priority" type activities that lead to water quality restoration or protection; and projects that support the installation of agricultural Best Management Practices to achieve compliance with existing agricultural water quality requirements. Examples of eligible projects include those that will reduce nonpoint source pollution in watersheds where streams are impaired, projects that will help reduce Total Maximum Daily Load pollutants and integrating stormwater management into watershed management and water conservation strategies. Eligible applicants include: counties, authorities and other municipalities; county conservation districts; watershed organizations recognized by the Department who promote local watershed conservation efforts, council of governments and other authorized organizations involved in the restoration and protection of the environment in this Commonwealth. [Click Here](#) to download the application package in Word format or [Click Here](#) to download the application package as a PDF file. visit DEP's [Growing Greener](#) webpage or send email to: GrowingGreener@pa.gov.

Federal Transportation Funding Search Tool

A new tool from Advocacy Advance makes it easier to identify the federal transportation programs that could be used to pay for many types of walking and bicycling programs. The tool also provides helpful information about each type of federal transportation funding source available for biking and walking projects, including what it is, how much funding is available, and who to approach for more information. <http://www.advocacyadvance.org/MAP21/finditfundit>

Gov. Corbett Reminds Residents of Available Alternative Fuel Vehicle Rebates

HARRISBURG – Governor Tom Corbett and the Department of Environmental Protection reminded residents today that \$3,000 rebates are still available for the purchase of large-battery system plug-in hybrid electric vehicles (PHEVs) and battery-electric vehicles (EVs). The \$3,000 rebate amount is now available through December 31, 2013, or until the 500 vehicle mark is reached, whichever occurs first. Rebates of \$3,500 were previously made available to the first 500 applicants. When that milestone was reached in February, rebate amounts of \$3,000 were made available for the next 500 qualified applicants. As of June 18, there were 350 rebates remaining in this amount. Rebate amounts offered in the future will be reassessed at that time. Large battery vehicles that have battery system capacity equal or greater than 10 kilowatt hours (kWh)—including but not limited to models such as the Nissan Leaf and Chevy Volt—are eligible for the highest rebate amount. DEP also offers rebates of \$1,000 for PHEV or EV vehicles with battery system capacity of less than 10 kWh, including but not limited to models such as the Toyota Prius plug-in and Ford C-Max Energi. Rebates of \$1,000 are offered for the purchase of natural gas, propane and hydrogen or fuel cell vehicles. A \$500 rebate is available for electric motorcycles and scooters. DEP provides these rebates as incentives to assist Pennsylvania residents with the incremental cost of purchasing an alternative fuel vehicle. To qualify, the vehicle must be new, registered in Pennsylvania, and purchased no more than six months before the rebate application is submitted. Leased vehicles are not eligible for these rebates. The rebates are funded by the Alternative Fuels Incentive Grant Program, which is supported by a receipts tax on utilities. Rebate applications and updated guidelines are available on DEP's website, www.dep.state.pa.us. Keyword: Alternative Fuel Vehicle Rebates. Information on rebate availability will be updated weekly.



WATERSHED TECHNICAL ASSISTANCE

Filtering Runoff Phosphorus with a Phosphorus Removal Structure

Dr. Josh McGrath (University of Maryland) and I have started a blog on the step-by-step design and construction of a phosphorus removal structure, which is essentially a large landscape filter. The motivation for this technology is that phosphorus is typically the most limiting nutrient in surface waters, and therefore eutrophication. Location of the blog: <http://p-structure.blogspot.com>. The purpose of that blog is to provide a case-study example of designing and constructing a phosphorus (P) removal structure, step by step. A P removal structure is intended to filter dissolved P (DP) from runoff using industrial by-products, before the runoff reaches a surface water body. ...

Satellite Data Will Be Essential to Future of Groundwater, Flood and Drought Management

Science Daily – New satellite imagery reveals that several areas across the United States are all but certain to suffer water-related catastrophes, including extreme flooding, drought and groundwater depletion. The paper, to be published in Science this Friday, June 14, underscores the urgent need to address these current and rapidly emerging water issues at the national scale. The report, entitled Water in the Balance, draws attention to water management as a national, rather than just a regional or statewide problem. The GRACE mission is able to monitor monthly water storage changes within river basins and aquifers that are 200,000 km² or larger in area, and, according to Famiglietti and Rodell, can contribute to water management at regional and national scales, and to international policy discussions as well. Using GRACE data, the researchers were able to identify several water 'hotspots' in the United States, including its key food producing regions in 1) California's Central Valley, and 2) the southern High Plains aquifer; a broad swath of the southeastern U. S. that has been plagued by persistent drought, including 3) Houston, Texas, 4) Alabama, and 5) the Mid-Atlantic region; and 6) the flood-prone upper Missouri River basin. They also noted that since 2003, the wetter, northern half of the U.S. has become wetter, while the drier, southern half has become drier. Read more... <http://www.sciencedaily.com/releases/2013/06/130613142822.htm>

River Dredging Reduced Fish Numbers, Diversity

Science Daily – Comparing dredged and undredged sections of the Allegheny River, reduced populations of fish and less variety of aquatic life occurred in areas where gravel extraction took place, according to researchers in Penn State's College of Agricultural Sciences,.

The researchers investigated navigation pools 7 and 8 near Kittanning and Templeton and published their results in the journal *Freshwater Biology*. The research found that total catch, species richness and diversity were negatively correlated with depth, while species richness, diversity and proportion of species that need rocky habitats to spawn were lower at dredged than at undredged sites. In-stream removal of substratum affects the physical and flow characteristics of the river as the channel is modified, creating relatively homogenous, deep stretches, Freedman explained. The removal of coarse gravel and cobble increases river depth, and subsequent accumulation of fine sediment and detritus can greatly alter habitat characteristics required by aquatic organisms. Subsequent bank erosion and head-cutting – the erosion of the upstream end of the dredged area– also can result, further homogenizing the aquatic habitat. The result is a loss of critical shallow-water habitats. Habitat structure for invertebrates and fish is lost as gravel and rocks, coarse woody debris and other structure are removed from the river, the researchers found. Increased depth, compounded by water turbidity, reduces light penetration to the river bottom and reduces biomass and diversity of submerged vegetation and algae. As a consequence, flowing water species are displaced by still water species, while generalist and invasive species displace native habitat specialists.

NOAA Chesapeake Bay Office Launches Online Oyster Decision Support Tool

The NOAA Chesapeake Bay Office announces the launch of the Oyster Decision Support Tool, an interactive map that highlights oyster restoration efforts and habitat data at <http://www.chesapeakebay.noaa.gov/products/oyster-decision-support-tool>. We hope you find ODS useful and interesting–please let us know if you have any questions! Kim Couranz, NOAA Chesapeake Bay Office, 410-267-5673.

FEMA Risk MAP Launches Enhanced GIS Services for MSC and MIP

We are pleased to announce the successful deployment of NEW [Geographic Information System \(GIS\) services](#) for the FEMA Map Service Center (MSC) and the FEMA Mapping Information Platform (MIP)! These updates and enhancements bring additional capabilities and greater ease-of-use for all users of these systems. Enhancements include: Easier use of the [Map Product Search](#), now incorporating a familiar BingTM Map interface and more flexible search bar; Replacement of the outdated MapViewer-Web (e-z Print and e-z Identify) with an updated National Flood Hazard Layer (NFHL) service for viewing in [Google Earth](#) and display in the [FEMA GeoPlatform](#); Improvement in the usability of the NFHL WMS service and its implementation in Google Earth; Updating of the NFHL to the [2012 FIRM Database schema](#). Plus, these improvements make additional services available to the public for the first time, including access to the [National Flood Hazard Layer \(NFHL\) through REST and WFS services](#). For additional information please contact outreach@riskmapcds.com.

EPA Report Details How Development Can Impact Public Health, Environment

EPA today released its most comprehensive review to date on how the built environment – the way we build our cities and towns – directly affects our environment and public health. The report was announced by EPA Acting Administrator Bob Perciasepe during a national Twitter Town Hall meeting in Washington, DC with Maurice Jones, Deputy Secretary of the U.S. Department of Housing, and Development (HUD), and John Porcari, Deputy Secretary of the U.S. Department of Transportation (DOT) to commemorate the fourth anniversary of the [HUD-DOT-EPA Partnership for Sustainable Communities](#). The publication, [Our Built and Natural Environments: A Technical Review of the Interactions among Land Use, Transportation, and Environmental Quality](#), provides evidence that certain kinds of land use and transportation strategies – where and how we build our communities – can reduce the environmental and human health impacts of development. The publication is important and timely for understanding the most environmentally responsible way to develop as our nation’s population grows over the next half century and beyond. Read the [press release](#). Learn about the [webinar](#).

EPA's Climate Ready Water Utilities Initiatives Release Climate Change Risk Assessment and Adaptation Planning Reports

EPA's Climate Ready Water Utilities (CRWU) initiative and the Climate Ready Estuaries (CRE) initiative have released two new reports that document the joint use of the Climate Resilience Evaluation and Awareness Tool (CREAT) between water systems and the Morro Bay and Albemarle-Pamlico National Estuary Programs (NEP). In both pilots, CREAT was used to identify current and future climate threats and adaptation options. In Morro Bay, participants used CREAT to focus on sustainable groundwater yields considering how changes in precipitation and sea level rise would impact groundwater levels and saltwater intrusion. In the Albemarle-Pamlico NEP, water systems in the towns of Manteo and Columbia used CREAT to focus on sea level rise and intense storm events. This project demonstrated how small communities and utilities can use CREAT to build awareness of the potential impacts from climate change and begin planning to adapt to these new conditions. The reports document the CREAT risk assessment process, results and reports, and next steps for the NEPs involved. They can be viewed at www.epa.gov/climatereadyutilities under the Tools and Resources tab.

Assessing the Economic Impact of Local Food Production

American Farmland Trust assessed the potential economic contribution of increasing fruit and vegetable production in an Illinois county west of Chicago. The research found that approximately 2,000 acres producing two dozen crops could serve about 445,000 people in the greater Chicago metro area, contribute approximately \$15 million in annual economic activity and create more than 100 new jobs. <http://kanehealth.com/PDFs/HIA/DRAFTKaneCountyHIAReport5-31-13.pdf>

Proposals Currently Open for Comment

Date Published In PA Bulletin	Proposal	Comment Deadline
6/15/2013	Nutrient Credit Trading Program; Notice of Certification Requests PA Bulletin Notice	7/15/2013
6/15/2013	Draft Technicle Guidance 391-2300-002–Operator Certification Program State Board for Certification of Water and Wastewater Systems Operators PA Bulletin Notice	7/15/2013
6/22/2013	Draft Technical Guidance 012-0900-003–Policy on Public Participation in the Permit Review Process PA Bulletin Notice ; Draft guidance document	7/22/2013