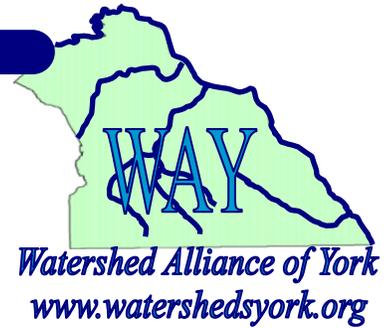


WAY E-NEWS

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



Monday, June 3, 2013

A PUBLIC-PRIVATE PARTNERSHIP

Volume 13, Issue 11

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- Farmer digging deep with more sustainable tilling method
- Building Better Budgets: Examination of the Fiscal Benefits of Smart Growth Development

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

- Local Government Commission: Participation tools for better community planning
- A new resource for engaging community members in brownfield redevelopment
- NRDC and American Rivers Release Guide for States on Preparing for Water-Related Impacts of Climate Change
- Center for Climate Change Communication Release Report on Relationship between Extreme Weather and Public Attitudes
- Georgetown University Climate Center Adaptation Clearinghouse Announces Adaptation Academy
- New stream restoration protocols approved by the Chesapeake Bay Program have just been released



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 Wertz, Codorus state Park Ph: 717-637-2816; E-mail: codoruspp@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

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

- 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 tjs35@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

Hurricane Season Approaches

PHILADELPHIA – Over the past two years, our region has seen numerous major hurricanes and tropical storms. In 2011 Hurricane Irene and Tropical Storm Lee brought fierce winds, and heavy rains. Last year Hurricane Sandy brought battering storm surge to coastal and bay areas, and heavy snows to inland areas. All areas of our region saw the various effects that hurricanes and tropical storms can have. As the 2013 Hurricane Season approaches, FEMA Region III continues to proactively work with its state, local, and federal partners to increase preparedness, coordinate response and recovery capabilities, and empower individuals to take an active role in their community's emergency management team. Starting on June 1st, hurricane season lasts until November; the greatest potential for storm activity is the months of August and September. To assess flood risk for your home or find a local agent selling national flood insurance, visit floodsmart.gov or call toll-free at 888-379-9531. For more preparedness information, visit fema.gov, ready.gov, and nhc.noaa.gov.

Eyes on the Bay Water Quality Website

Underwater grasses declined for the third year in a row in 2012, decreasing another 24% in Maryland and 21% Bay-wide since 2011. Lingering impacts from Tropical Storm Lee in the Upper Bay and declining water clarity — coupled with heat stress in the Lower Bay — have prevented recovery of this resource. [More details](#) and an [interactive map of Bay grasses](#) are available online. Of course, the latest information is always available at eyesonthebay.net.

New State Law Expands Financing Options for Sustainable Community Development

A new Maryland law expands municipalities' and counties' authority to use tax increment financing for infrastructure improvements supporting sustainable community development. The new legislation enables local governments to make important infrastructure and asset investments to spur smart growth and economic development and to ensure quality of life and livable communities for Maryland residents. Read more... <http://www.mdp.state.md.us/YourPart/SustainableCommunities.shtml>

Thinking 'Big' May Not Be Best Approach to Saving Large-River Fish

Science Daily — Large-river specialist fishes — from giant species like paddlefish and blue catfish, to tiny crystal darters and silver chub — are in danger, but researchers say there is greater hope to save them if major tributaries identified in a University of Wisconsin-Madison study become a focus of conservation efforts. Read more... <http://www.sciencedaily.com/releases/2013/05/130522180342.htm>

Pinpointing How Nature's Benefits Link to Human Well-Being

Science Daily — What people take from nature — water, food, timber, inspiration, relaxation — are so abundant, it seems self-evident. Until you try to measure how and to what extent they contribute to humans. Scientists at Michigan State University's Center for Systems Integration and Sustainability, in two parallel papers published in this week's journal PLOS ONE, develop a new integrated approach to measure human dependence on ecosystem services and human well-being so as to promote the understanding of the linkages between them — an important step toward improved understanding, monitoring and management of coupled human and natural systems. Read more... <http://www.sciencedaily.com/releases/2013/05/130522180317.htm>

Water, Water, EVERYWHERE!

Water related issues continued to increase, both in number and importance, during 2012. The staff of the York County Planning Commission (YCPC) participated in a variety of efforts concerning water education, training, and planning. Additional efforts and projects centered mainly around improving local waters that will help to restore the Chesapeake Bay. Some of the key activities are noted below.

- Flowchart Tool Project: The York County Integrated Water Resources Plan (IWRP) identifies water related deficiencies through the Flowchart Tool and sets forth recommendations to address those deficiencies. A project to web-enable the Flowchart Tool and then conduct outreach to other Pennsylvania counties as to the usefulness of the Tool was initiated. The Flowchart Tool, and likewise the IWRP, incorporated the Chesapeake Bay issues and integrated them at the local level.
- York County MS4 Permit: YCPC staff was delegated administrative responsibility for the County's Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Permit. This Permit requires that York County take measures to ensure that the stormwater conveyance systems on County-owned property will not only prevent pollution of receiving waters, but also help reduce existing pollutants to tributaries of the Chesapeake Bay into which these systems discharge.
- York County TMDL Workgroup/Watershed Implementation Plan: There are 43 municipalities designated as MS4s in York County, all with permit obligations concerning their stormwater conveyance systems and impacts on the Chesapeake Bay. Should improvement in Pennsylvania's water quality not meet expectations per the Chesapeake Bay Program, the US Environmental Protection Agency (EPA) could tighten MS4/NPDES Permit obligations. Additionally, new permit obligations could be extended, by EPA, to York County municipalities who aren't currently under permit requirements. These concerns led YCPC staff to assume the lead on an effort of the York County TMDL Workgroup to develop a strategy by which York County can best meet its pollutant reductions, thereby avoiding more stringent regulations being imposed upon York County municipalities by EPA. The County Watershed Implementation Plan is an effort to combine County pollution reductions, MS4 permit requirements, and municipal cooperation in a manner that will produce the greatest benefit for the least amount of money. This project is expected to be completed mid-2013. *Source: 2012 Annual Report*

Potential Merger of Game, Fish-Boat Commissions

The House voted unanimously this week in support of a measure to launch a detailed study of the potential impacts of merging the Pennsylvania Game Commission and the Pennsylvania Fish and Boat Commission. [House Resolution 129](#) calls on the Legislative Budget and Finance Committee to study the financial feasibility, impact, costs and savings that may be realized by combining the agencies. Pennsylvania is the only state in the nation where management and oversight of fishing, boating and wildlife activities are managed by two separate, independent agencies.

Report Reveals U.S. Areas Facing Highest Risk of Water Shortages

Growing Blue – A new report from the Columbia University Water Center, in conjunction with Veolia Water and Growing Blue, reveals that businesses and cities in some of America's most iconic regions are now under even greater risk of water scarcity. By utilizing a new water research metric called the Normalized Deficit Cumulated (NDC) index in the America's Water Risk: Water Stress and Climate Variability study, Columbia was able to estimate measures of water risk to the nation's major cities and agricultural regions. Columbia developed the NDC as a risk metric for evaluating historical periods of drought, using more than 60 years of precipitation and the current water use pattern for U.S. counties. As a result, the NDC measurement tool reveals a more accurate depiction of the discrepancy between water use and water availability. The U.S. metropolitan areas of Washington, D.C.; New York City; Los Angeles; and San Diego are of greatest concern, which could impact approximately 40 million Americans. Numerous counties in 46 states are also facing the same challenge of experiencing drought-induced shortages. Joining the metro areas on the list are the breadbasket regions of Nebraska, Illinois and Minnesota, which produce almost 40 percent of the nation's corn, a key ingredient in many of our foods and an essential feed source for livestock. The findings highlight the importance of "blue growth," a strategic approach to water management that ensures water remains an enabler of economic growth, not a limitation. With the support of Veolia Water, the America's Water Risk: Water Stress and Climate Variability study was conducted by Columbia University's Water Center. The academic group develops projects to analyze water supply chains and examine particular sets of water issues with a long-term perspective, working on both policy and technical analyses. Further underscoring the importance of this research, a recent survey by the World Economic Forum ranked water supply crises as the leading global risk when considering crisis likelihood and impact. Click [here](#) for the 10 U.S. areas at greatest water risk in a dry season listed in order.

Farmers are among the top supporters of cleaning up the Bay and its rivers and streams

Chesapeake Bay Foundation – Some of the biggest successes in cleaning up the Bay have come from farmers working to reduce agricultural runoff. Farmers are able to do this critical work due to funding from the Farm Bill. Right now, that funding is up for review and some members of Congress want to cut this vital funding, putting restoration work to protect the Bay and its rivers and streams at risk. Up and down the watershed, farmers who have a connection to the Bay are changing their practices and doing their part to ensure clean water for generations to come. We put together some of these recent successes. Please take a moment to read them, and then share them with your friends and family. Contaminated groundwater:

- Sometimes, a dirty well is all it takes to realize how everything is connected. That's what it took for Mike Bazzle, a cattle farmer in Rockingham County, Virginia. So what did he do? [The answer may surprise you: Click here to find out.](#)
- Out of the factory (farm): Dissatisfied with farming techniques that were leaving their cattle sick and their bank accounts sicker, a group of dairy farmers in Maryland went back to basics. [Pasture farming left farmers, livestock, and consumers much happier.](#)
- Starting new traditions: In Pennsylvania, the Amish are known for sticking to their traditions. But outreach and education have some Amish farmers [starting new traditions that help reduce pollution.](#)

Cutting conservation funding from the Farm Bill would mean the end of groundbreaking programs like these and many more. And that would be a huge setback for farmers, our communities, and the Bay.

Don't let a summer drought catch you off-guard

Summer is fast approaching, and that means hotter, drier weather for many parts of the country. This summer may not repeat the scorching temperatures and widespread drought conditions of last year, but it is best to hope for the best and prepare for the worst. You can't control the weather, but you can control how you position your water utility for a drought and water shortages. By doing a little planning now, you are simply bringing the future into the present so you can do something about it today. Establishing a water shortage response plan will help your system set up unique "triggers" or weak links in your system that can be used as signals for initiating a specific response. The plan will also show you ways to make the most of the water you treat and will put you on the road to educating your customers on how to responsibly conserve water. A comprehensive plan should not only identify when a crisis is looming, but how to respond before and even after a crisis has occurred. The process of preparing a plan can be broken down into four distinct phases of action:

1. Preparation: Preparing for droughts before they occur (for example, by exploring alternative and emergency water sources, establishing drought triggers, evaluating your rates, putting your drought plan in writing, educating your staff and customers, and reducing water loss).
2. Response: Taking action as a drought begins to put a strain on your system and your community (for example, determining if demand reduction or supply augmentation—using less or finding more water—is required, implementing water-use restrictions, notifying the public, and activating alternative water sources).
3. Enforcement: Enforcing water-use restrictions during a drought (for example, fines, water-use surcharges, and ultimately, termination of water service for those customers who simply refuse to do their part).
4. Return to normal: Ending water-use restrictions once the crisis has passed. It is important that your system emerge from a drought in the same measured stages that you followed when initiating the action (for example, notifying customers and reducing then eliminating restrictions). Remember, droughts rarely end overnight. Returning to normal will generally be completed in stages.

A drought emergency is commonly identified as the point when the loss of supply will result in normal operating conditions of less than 35 psi throughout the entire distribution system. Read more... <http://rcap.org/dropofknowledge>

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. Property owners and pool companies must obtain a permit from their local municipality before disposing of any pool wastewater. This includes pool backwash water, neutralized pool cleaning wastewater and standing water. Pool wastewater should be discharged into the local sanitary sewer system, if possible. If sanitary sewers are not available, the wastewater should be hauled off-site for disposal at an approved treatment facility or otherwise discharged according to the department's Swimming Pool Wastewater Discharge Guidelines. For more information, or to view the Swimming Pool Wastewater Guidelines, visit www.dep.state.pa.us, keyword: pool wastewater.

Call for Presenters- 2013 Pennsylvania Stormwater Management Symposium – Jun 30

Abstract Submittal is now open! You are invited to submit an Abstract to the 2013 Pennsylvania Stormwater Management Symposium "Stormwater From the Ground Up" to be held on the campus of Villanova University 17-18 October 2013. The purpose of the symposium is to advance the knowledge and understanding of sustainable stormwater management for those dealing in all aspects of planning, design, construction, maintenance and operations, and regulatory compliance. A workshop for non-engineers will be held preceding the symposium. This is the ninth symposium on stormwater issues that has been held by Villanova since 1998. The symposium organizing committee is seeking presenters for the proposed sessions. Interested authors are encouraged to submit a brief abstract of not more than 300 words by the 30th of June, 2013. Extended Abstracts are encouraged for both podium and poster presentations, and will be included in the conference proceedings. Electronic submittal is required. Symposium registration fees are reduced for the authors. Due to space constraints, no more than two articles per firm are allowed. More information to include how to submit your proposal is available on the VUSP Website Home page - <http://www.villanova.edu/vusp/> For more information to include sponsorship opportunities contact Dr. Traver, Director, Villanova Urban Stormwater Partnership. robert.traver@villanova.edu

Backyard Wildlife Habitat Certification

Whether you have an apartment, balcony or a 10-acre farm, a schoolyard or a business park, or anything in between, everyone can create a welcoming haven for local wildlife. Turning your space into a Certified Wildlife Habitat® is fun, easy and makes a big difference for neighborhood wildlife. Get started today! http://www.nwf.org/certifiedwildlifehabitat/UserAccount/SignIn?certificationtypeid=b0765847-a710-4746-9a0f-9d5201077d79&campaignid=WH13F2ASEAA&s_email_id=20130518_MEM_BGV_CWH_Native_Plants_Basic|SLLAct

Citizen Science Idea Unleashed - MonitorChange.org

Sam Droege, a prolific researcher and big thinker with USGS Patuxent Wildlife Research Center, has unleashed an idea on the citizen science community. He is sharing the idea in hopes of crowdsourcing changes in the environments where we live, work, play, or care about – parks, our backyards, our rivers, or our city scape. The concept uses little more than a camera phone and a stout piece of bent steel to start. Where does it end? With some photo-stitching software that aligns and pieces together images to show changes over time. I think it will ultimately end with many smart minds coming together to create apps and sites that help communities collect images and stitch together a picture of change. Watch Sam's video and sign up to get involved with the project at: <http://MonitorChange.org> . Possible places/groups to implement: Watershed societies, Riverkeepers, stream crossings, trail clubs, stream monitoring groups; coastal beaches, dunes, marshes; lichen plots, restorations sites, forestry sites, parks, refuges, new developments, your backyard, construction of a building, the greenup in spring and the leaf drop in the fall of forests.

Download the app to explore the South Mountain region and welcome your input!

- Android: https://play.google.com/store/apps/details?id=com.franklincounty.southmountain&feature=search_result#?t=W251bGwsMSwyLDEsImNvbS5mcmFua2xpbnNvdW50eS5zb3V0aG1vdW50
- Apple: <https://itunes.apple.com/us/app/south-mountain-pa/id600064474?mt=8>

WaterSense Releases Tips and Tools for Sprinkler Spruce-ups

Homes with automatically timed irrigation systems use about 50 percent more water outdoors than those without. A system can waste even more water if it's programmed incorrectly, a sprinkler head is pointed in the wrong direction, or if a leak exists. EPA's WaterSense is encouraging homeowners to do a little "sprinkler spruce-up" this summer. WaterSense has developed tips and tools to educate consumers about the importance of maintaining sprinkler systems to promote healthy landscapes and reduce water waste. WaterSense is a partnership program sponsored by EPA that seeks to protect the future of our nation's water supply by offering people a simple way to use less water. To access these tips and tools, visit: http://www.epa.gov/watersense/outdoor/watering_tips.html.

Watch Clean Water: A Long Journey from the Source to Our Tap.

We turn the faucet and it's always there. Clean, safe, and abundant. Water, the essence of life. We use it every day, but we rarely think about the fact that it's been through a complex journey and many changes before it gets to our home. Pennsylvania's source water comes from surface water like our rivers, lakes and streams or from groundwater, the aquifers that lie beneath the earth. Water suppliers tap into these sources and treat the water before delivering it to us, ready to drink. This source water is affected by what happens on the land around it, and although we don't mean to, our daily activities often end up polluting our most essential resource. Our new animated, short video appeals to a wide range of audiences! It explains in an easy-to-understand way the sources of polluted runoff and the much-needed solutions. Polluted runoff is the number one cause of water quality problems today. Through education and action, we can make a difference! Watch [Clean Water: A Long Journey from the Source to Our Tap](#).



WATERSHED FACILITATION ASSISTANCE

MAEscapes Rain Garden Series 2013 – Jun 4 – Jul 23

The York County Penn State Master Gardeners and MAEscapes members will be presenting a series of classes on Rain Gardens. Class topics include the following; Introduction to MAEscapes, Rain Garden Design and Construction, Touring Local Rain Gardens & Stormwater Basins, and Plant Selection for Rain Garden Success. For more information, please see the attached brochure. Cost for each evening is \$10.00. To register, call Kelly at 717-840-7408.

EPA to Host Free Webinar Series on Climate Change Adaptation for States, Tribes and Local Governments – Jun 3-12

EPA's Office of Strategic Environmental Management and North Carolina State University will host a virtual symposium on climate change adaptation for states, tribes, and local governments in a series of on-line sessions over two weeks in June. The series will bring together state, tribal, and local stakeholders; EPA representatives; and experts from a variety of sectors to consider the impact of EPA's new Climate Change

Adaptation Plan on the implementation of federal environmental programs and to present case studies, tools, and solutions to some of the most pressing climate change adaptation challenges. Individual webinars are stand-alone educational opportunities for governments, planners, and policy makers, and participants can attend one or more webinars as meets their particular needs. Participants will obtain the most current knowledge and information applicable to states, tribes, and communities on adaptation practice and implementation to build community resiliency. For more information and to register, visit: <http://climate-adaptation-symposium.org/index.html>

Building Blocks for Sustainable Communities Training Academy – Jun 11

EPA's Office of Sustainable Communities invites you to participate in a listening session on design of the new Building Blocks for Sustainable Communities Training Academy on Tuesday, June 11, from 3:00 - 4:00 Eastern. EPA delivers technical assistance through [Building Blocks for Sustainable Communities](#). As part of this effort, we have developed 12 workshop tools that address common challenges faced by communities working to create more sustainable neighborhoods, cities, and regions. The next step is to create a training program for staff from public agencies and nonprofit organizations that provide technical assistance to communities. The training program will help these staff understand the Building Blocks tools and incorporate them into their technical assistance. During this listening session, we will gather input from key stakeholders on how best to design the training program and request feedback on specific questions such as:

- Who is the best target audience for this kind of training?
- Should it be a one-day training, two-day training, or some other format?
- Should training sessions be coordinated with major national conferences or held as separate events?

Who Should Attend – Staff from public sector, private sector, and nonprofit organizations that provide technical assistance to communities, Federal agencies and philanthropic organizations that support technical assistance programs. Webinar Details: Tuesday, June 11, 3:00 - 4:00 Eastern. No pre-registration is required. Dial into the conference call at 1-866-299-3188, participant code 2025662950. Click on <https://epa.connectsolutions.com/epasmartgrowth>. Log in as a guest. Please test your computer before attending the meeting at http://admin.adobeconnect.com/common/help/en/support/meeting_test.htm. The Connection Test checks your computer to make sure all system requirements are met. If you pass the first three steps of the test, then you are ready to participate in a meeting. If you do not pass the test, perform the suggested actions and run the test again.

Free Registration Available to Pennsylvania Ground Water Association's Summer Field Conference – Jun 14

The Pennsylvania Ground Water Association's (PGWA) Summer Field Conference will be June 14 at a site located next to the Home Depot on the west side of State College at Exit 69 on Interstate Highway I-99. Free registration is offered to conservation district staff and board members. This program will provide 6.5 Professional Development Hours (PDH's) for licensed Professional Geologists and licensed Professional Engineers. Complete program details and a location map for the PGWA Summer Field Conference are available [here](#). All persons who qualify for the free registration must register by June 7 on the [PGWA website](#).

Sustainable PA Program Webinar – Jun 17

What is the Sustainable Pennsylvania program, who is involved, and what does it mean for municipalities? Tune in to the live Environmental Leadership Program webinar on June 17 at 1 p.m. to find out. See the details below (click the title to register). [Bringing a 'Sustainable Jersey' Program to the State of Pennsylvania](#). Sustainable communities require informed government, citizens, businesses and institutions. All of them play a continued role in ensuring a high quality of life. Often though, the barriers to achieving high quality of life are written into the policies and ordinances, corporate rules and institutional by-laws. In order to change them a strong partnership between all parties is required. Nationwide, all types of organizations are implementing measures to further their own independent sustainability, and yet without strong local government leadership with an eye to sustainability, the organizations will be limited in their success. With the help of this grant, we are proposing to expand the Sustainable Pittsburgh and 'Sustainable Jersey' models to encompass all 2,562 municipalities in Pennsylvania. This webinar features ELP Senior Fellows Heather Cowley, Jessica Sprajcar and Lori Braunstein.

Webinar: Sure! I'll Move Out of the Floodplain! – Jun 18

Date: June 18, 2013. Time: 2:00pm - 3:00pm EDT – This webinar will describe the voluntary floodplain buyout offered by the USDA Natural Resources Conservation Service for flood-prone, economically distressed communities. This unique approach prevents future flooding problems where dams, channels, and rebuilding may either be prohibitively expensive or not physically possible. Webinar participants will learn about the floodplain buyout program, and how it can apply to their individual situations.

<http://www.conservationwebinars.net/webinars/sure-i-will-move-out-of-the-floodplain>

Don't Miss One-Day Environmental Educator Conference in Harrisburg – Jun 19

Seats are still available for the 2013 Environmental Educator Conference. The one-day event will be June 19, 2013 at the Benjamin Olevine III Nature Center, Wildwood Park, 100 Wildwood Way, Harrisburg, PA 17110. The conference will run from 9 a.m. to 3:30 p.m. and provides an opportunity for conservation district education and outreach staff, teachers and other educators to learn about environmental education resources that are available to them while networking with their peers. For complete registration details, visit,

<http://events.constantcontact.com/register/event?llr=ojcxsrkab&oeidk=a07e76lzfjdc6860ff4>. Registrations will be taken through June 12. There is a \$25 registration fee which includes program materials, lunch and refreshments. There are plenty of conservation district staff spaces still available for mileage reimbursement (up to \$50).

Mastering the Language of Talking to Elected Officials

Webcast June 19, 12pm to 2pm ES. This webcast will specifically address the best ways to approach and communicate with elected officials, and will feature both noteworthy bloopers as well as success stories. [CWPA members](#) save \$60. Speakers: Chester (Chet) Arnold, NEMO Program Co-Founder and Assoc Director of UConn's Center for Land Use Education and Research; Honorable Mary Ann Lisanti, Councilwoman, Harford County (MD) Council; John Rozum, Land Use-Geospatial Technology Specialist, NOAA Coastal Services Center(CA).

<http://www.cwp.org/mastering-the-language-of-talking-to-elected-officials>

Stormwater Responses to Changes in Land Use and Precipitation-Driven Flooding in the Chesapeake Bay Watershed – Jun 20

York County, Pennsylvania and EPA's Global Change Impacts and Adaptation Program, in partnership with the EPA Chesapeake Bay Program Office, the Chesapeake Bay Local Government Advisory Committee, and the U.S. Global Change Research Program's National Climate Assessment, are hosting a workshop to assist local municipalities and planners in exploring the impacts of projected changes in land use and precipitation-driven flooding on stormwater runoff in the Chesapeake Bay watershed and potential management responses. An all-day workshop has been scheduled for June 20, 2013 which will cover projected changes in local land use and precipitation-driven flooding and allow attendees to participate in mapping exercises and facilitated discussions about stormwater management options. The Workshop will bring together representatives from the Chesapeake Bay region with expertise and/or local knowledge in water quality and stormwater management. The workshop is free; however, registration is required by May 31, 2013. For more information and to register, contact Pam Shellenberger at: pshellenberger@ycpc.org.

Permeable Pavement Master Class Series – Jun 20

This Master Class Series works through the concepts, design, construction, performance, and real-world applications and studies of permeable pavement with a series of four 1-1.5 hour online presentations and Q&A sessions (4 PDH / 0.4 CEU total) focusing on the following advanced topics.

- June 20: Introduction to Permeable Pavement – Brush up on the basics. This webinar is an introduction to permeable asphalt, concrete, and interlocking concrete pavement key features and structural comparisons, as well as best practices, tools, and methodologies.
- July 18: Design and Construction of Permeable Pavements - Drive down to the design and construction details. This webinar discusses the structural and hydrological design and construction features, challenges, and application of permeable pavements through real-world examples and case studies.
- August 15: Impact of Permeable Pavement Design and Construction on Performance – Maximize your performance. This webinar explores the design, specification, and construction elements that may negatively impact the performance of pavements, as well as the primary factors contributing to the long-term functional and structural performance of pavements highlighting what we can do better to ensure cost-effective use of transportation investments.
- Sept. 12: Permeable Pavement Live Case Studies: the Good, the Bad, and the Ugly – Learn from the good, the bad, and the ugly. Join us for an exploration of real-world permeable pavement applications and projects demonstrating permeable pavement design and construction key features and effective application through a series of the good, the bad, and the ugly case studies and photographs focusing on the elements, application, & maintenance designed for long-term system performance

Full 4-Week Session: Cost: \$250.00 (a 20% savings!). Groups: \$250.00/location +\$149.00 each additional attendee (a 20% & 50% savings!)

* [Registration is limited. REGISTER TODAY!](#)

NACD June U&C Webinar Focuses on Green Infrastructure at the Local Level – Jun 20

The next NACD Urban and Community Conservation Webinar is scheduled for 11:00am Eastern time on June 20. Speakers will talk about green infrastructure, which is often defined as 'the interconnected natural systems and ecological processes that provide clean water, air quality and wildlife habitat'. Presentations will be provided by Kris Hoellen, VP, Sustainable Programs and Director, Conservation Leadership Network of The Conservation Fund and by George Boggs, Executive Director of the Whatcom Conservation District in the state of Washington. Held on the third Thursday of each month, these one-hour webinars cover topics that include district and other speakers. This webinar series is sponsored by The Scotts Miracle-Gro Company. While there is no cost to participate, space is limited to 100 registrants on a first-come, first-serve basis. Contact Debra Bogar at deb-bogar@nacdnet.org to sign up for the June webinar by sending an email with your name, title, district or business name and your email address. Information on how to access the webinar will be sent by email.

Brunner Island Preserve – Jun 29

Here at PPL Brunner Island, you'll find a wetland area that provides habitat for a variety of species, excellent fishing in the channel between the plant and the Susquehanna River, a hiking trail and a boat launch area the company maintains for public use. The Brunner Island power plant and environmental preserve demonstrate the successful combination of power generation, recreation, environmental education and land management.

- WETLANDS INSECT WALK Saturday, June 29, 10 a.m.-1 p.m. Meet at Wood Duck Pavilion. Presented by: Ryan "The BugMan" Bridge. Insects are an amazing and varied group of creatures. What better place to find them than at a wetlands? Join us as we explore native insects of the area through a catch-and-release walk through this wetlands habitat. In addition, we examine the plants and habitat that support the insects we encounter. This will be a great walk for the entire family. Wear sturdy shoes and dress for the weather.

Please check the website for more details at <http://www.pplpreserves.com/>

Mid Atlantic Invasive Plant Council Biannual Conference – Jul 31 – Aug 1

July 31-August 1 at NCTC in Shepherdstown, WV. The Mid Atlantic Invasive Plant Council has just released the program for its upcoming biannual invasive plant management conference. The conference, titled "Paths to Restoration Success", will focus on the restoration of habitats after and during invasive plants management. It'll be at the end of July at NCTC, the USFWS training facility in Shepherdstown, WV. The keynote address is "How Will Climate Change Affect the Invasion and Management of Non-native Plants?" by Betsy Von Holle, Ph.D., Assistant Professor, University of Central Florida. Other topics include using prescribed fire, biocontrols, seed banking and meadow restoration, among others. Go to <https://online.morrisarboretum.org/ipc> to see the conference brochure with the entire program. You can register at that website, by phone or by mail.



WATERSHED FINANCIAL ASSISTANCE

USDA–Rural Cooperative Development Grant (RCDG) – Jul 10

The RCDG program seeks to improve the economic condition of rural areas by assisting individuals or entities in the startup, expansion, or

operational improvement of rural cooperatives and other business entities. Grants are awarded to Rural Cooperative Development Centers who in turn provide technical assistance to individuals and entities. Grant funds may be used to pay for 75 percent of the cost of establishing and operating Rural Cooperative Development Centers. Approximately \$6.5 million is available, and up to 30 awards are expected. Individual awards up to \$200,000 may be made. Proposal Due Date: July 10, 2013.

<http://www.grants.gov/search/search.do?mode=VIEW&oppld=235473>

NRCS Announces Sign-ups for CSP, WRP, GRP

NRCS has announced sign-up information for the Conservation Stewardship Program (CSP), Wetlands Reserve Program (WRP), and Grassland Reserve Program (GRP). CSP will provide about \$175 million in funding for up to 12.6 million additional acres enrollment this year. Although applications are accepted all year, farmers, ranchers and forestland owners interested in CSP should submit applications by May 31 to their local NRCS office to ensure they are considered for this year's funding. A self-screening checklist is available to help producers determine if the program is suitable for their operation. For the checklist and additional information, visit the CSP [website](#) or your local USDA NRCS office. Additionally, a new round of funding authorizes \$255 million to enroll as many as 100,000 additional acres into [WRP](#) and \$47 million to enter up to 200,000 additional acres into [GRP](#), both nationwide. Anyone interested in these voluntary programs should contact their state or [local NRCS office](#) (York 717-755-2966). Sign-up dates and deadlines vary by state.



WATERSHED TECHNICAL ASSISTANCE

Penn State Extension Teaches State Building Inspectors About Private Water Supplies

Penn State Extension Water Specialist, Bryan Swistock, and Extension Educators, Jim Clark and Diane Oleson met with the Association of State Home Inspectors early in May to teach them about private water supplies. The conference was held in Grantville, Pennsylvania, and the extension personnel instructed on private water system construction basics, water testing and interpretation, and treatment solutions for common water system problems. http://extension.psu.edu/natural-resources/water/discovery-watersheds/news/2013/penn-state-extension-teaches-state-building-inspectors-about-private-water-supplies?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+agsci-water-watershedwinds+%28Penn+State+Watershed+Winds+Newsletter%29

CLEANER STREETS. CLEANER WATER

Stormwater – Street cleaning is more than “picking up trash”; it may be the first, and least costly, defense against water pollution. Ask the average citizen about “street sweeping,” and chances are she’ll say, “It cleans up the trash people toss out of their cars.” This is, of course, true, and what most people notice. Minutes after Los Angeles’ 2013 Golden Dragon Parade ended, pedestrians quickly returned to Chinatown’s sidewalks as street cleaners whisked along the parade route, collecting the numerous piles of paper confetti and Mylar streamers shot from and to the crowds. However, street sweeping does much more, and not only citizens, but also their municipalities, need to realize what’s actually on the streets, and what that debris can do to local waterways, and, perhaps, residents’ health. Roger Sutherland, P.E., principal water resources engineer with AMEC Environment and Infrastructure in Portland, OR, who’s slated to give a talk on street cleaning at StormCon 2013 in August, points out that “aesthetic” definition is causing problems for America’s cities as well as its rivers and streams. “What I call ‘street dirt’ is composed of heavy metals and other pollutants—items that may be killing fish when they get into waterways via stormwater runoff. Ironically, some cities are trying to solve the problem by using media filters for stormwater treatment, when effective street cleaning could lessen much of that problem at about one-fourth the cost, based on a pound of sediment removed from the stormwater.” Read more... <http://d27vj430nutdmd.cloudfront.net/4264/159118/594b24590fd70d060e9d7c210d90453da260747c.1.pdf>

Separators for State-of-the-Art Pollutant Removal

Stormwater – Rural Texas contains a number of what are termed “farm to market” roads, or “FM” for short. FM 720 is one of those roads, located in Denton County, just northeast of Ft. Worth. The Texas Department of Transportation (TxDOT) is in the process of upgrading the roadway because of population growth in the area. “They’re expanding FM 720 from two to four lanes. Where the road crosses Lake Lewisville, there is an existing double-lane bridge over the lake, and TxDOT has proposed a second bridge, another two-lane bridge, that will sit alongside it,” says David Rubenkoenig of building materials company Cemex Inc. “They’re installing Stormceptor units, from Rinker Materials, along the bridge. Instead of having one big header pipe, they’re putting six units on either side, east and west. It’s a Corps of Engineers lake, so they had to obtain Corps approval. Having been in the Corps of Engineers myself, many years ago, I can tell you that they’re not that easy to get along with. We didn’t even like ourselves,” he jokes. Read more... <http://d27vj430nutdmd.cloudfront.net/4264/159118/594b24590fd70d060e9d7c210d90453da260747c.1.pdf>

TOOLS OF THE TRADE – Monitoring and testing stormwater

Stormwater – Having reliable water-quality and -quantity data makes stormwater management much more effective. Technological advances in monitoring and collecting tools have made possible real-time data that can be custom-programmed for the site. In southwestern Pennsylvania, an average rainstorm can produce 2 inches of rain in a 24-hour period. Even 2 inches of rain falling on a roof can result in runoff of more than 600 gallons of water. As little as 1/10 inch of rain can cause combined sewers to overflow. Like many cities and counties, Allegheny County (Pittsburgh) needs a wastewater system upgrade to solve the problem of extensive combined sewer overflows (CSOs). And just as with other municipalities, it doesn’t have the funds to pay for it. One lower-cost solution is to reduce stormwater runoff so that its smaller volume will decrease the chances of CSOs happening. Toward that objective, Allegheny County officials decided to install a green roof in an urban location as a demonstration project. The green roof above the Allegheny County Office Building is Pittsburgh’s first green roof on a public building. It was built in 2010 for \$621,400, using federal stimulus funds. Half of the existing roof remains as it was, to serve as a comparison. Read more... <http://d27vj430nutdmd.cloudfront.net/4264/159118/594b24590fd70d060e9d7c210d90453da260747c.1.pdf>

NRCS asks farmers to rethink tillage

Iowa Farmer Today – The NRCS is asking farmers to rethink the decision to use tillage as a termination method for their cover crops, instead

of herbicide, noted Barb Stewart, state agronomist with the NRCS in Des Moines, Iowa. "These farmers are concerned the cool, soggy spring may reduce the plant's ability absorb the chemicals," Stewart said. However, tilling the soil under these conditions will cause severe compaction and damage to soil structure — undoing many of the benefits created by the cover crops, she said. Read more...

http://www.iowafarmertoday.com/news/crop/nrcs-asks-farmers-to-rethink-tillage/article_f9c0ad86-be5f-11e2-988c-0019bb2963f4.html

Farmer digging deep with more sustainable tilling method

My Record Journal – Traditional tilling causes erosion, depletes organic matter and causes the compaction of soil. Tilling breaks down the particles of soil, eventually turning it into dust. The relatively new technology of zone tillage is defined by Cornell University as a method of tillage that "essentially combines the benefits of conventional and no tillage, mostly without any of the negative consequences of either."

http://www.myrecordjournal.com/wallingford/article_0bd1533e-c100-11e2-957c-0019bb2963f4.html

Building Better Budgets: A National Examination of the Fiscal Benefits of Smart Growth Development

Collected fiscal comparisons from over a dozen towns, cities and states. The report determines how much, on average, municipalities can expect to benefit by using smart growth strategies. The findings are staggering. Smart growth strategies can not only save significant money on infrastructure and services, this approach can also increase public revenue. Those factors combined could benefit municipal budgets everywhere. [Find out how much smarter growth could benefit your town's finances >>](#) Smarter growth is something every community should consider, and today's findings show why. Find out how much smart growth could benefit your town's or city's budget [in our new report](#).

Local Government Commission: Participation tools for better community planning

This new guidebook focuses public participation in the planning process in low-income, underserved communities. [Read more >>](#)

A new resource for engaging community members in brownfield redevelopment

The Organizing to Promote Targeted Improvements in Our Neighborhoods (OPTIONS) Community Engagement Workbook is a series of seven worksheets with instructions designed to help community groups think about how to organize, what they need, and how to build a strategy to participate in the redevelopment process. [Read more >>](#)

NRDC and American Rivers Release Guide for States on Preparing for Water-Related Impacts of Climate Change

The publication, "Getting Climate Smart: A Water Preparedness Guide for State Action," combines practical planning guidance with real world examples and case studies to demonstrate how states across the U.S. can develop and implement a climate preparedness plan to protect public health, communities, and natural resources. Highlights include: a six-step planning process for state governments, water managers, and other stakeholders; a top ten list of no regrets strategies that are cost-effective and flexible, providing both short-term and long-term benefits; a strategy toolbox detailing more than 600 strategies for dealing with climate-related risks across seven key sectors; and a resource bank containing information on additional planning and funding resources. To view the guide, visit: www.nrdc.org/water/climate-smart.

Center for Climate Change Communication Release Report on Relationship between Extreme Weather and Public Attitudes

This report, entitled: "Extreme Weather and Climate Change in the American Mind, April 2013," takes a look at the relationship between extreme weather and public attitudes on human-driven climate change. To learn more and view the report, visit:

<http://environment.yale.edu/climate-communication/article/extreme-weather-public-opinion-April-2013>.

Georgetown University Climate Center Adaptation Clearinghouse Announces Adaptation Academy

The Georgetown Climate Center's Adaptation Clearinghouse contains more than 1,000 resources for policy and decision makers to help communities prepare for climate change. One recently added resource is the Adaptation Academy. The Adaptation Academy's primary goal is to enable participants to have a solid grounding in conceptual frameworks of vulnerability, climate impacts, and adaptation. The Academy starts with a three-week intensive Foundation Course, focused on developing skills and knowledge to be a "global change maker" in the climate change field. The 2013 Foundation Course will run from August 12-30, 2013 in Oxford, England. The deadline for applications is June 1, 2013. For more information, please visit: <http://www.adaptationacademy.org/home.html>. To learn more about the Georgetown Climate Change Adaptation Clearinghouse, visit: <http://www.georgetownclimate.org/adaptation/clearinghouse>.

New stream restoration protocols approved by the Chesapeake Bay Program have just been released

New stream restoration protocols approved by the Chesapeake Bay Program have just been released and are the result of work done by the Center for Watershed Protection and the Chesapeake Stormwater Network. Read the full press release for more details.

<http://www.cwp.org/news/center-in-the-news/193-chesapeake-bay-program-approved-new-stream-restoration-protocols-for-estimating-sediment-and-nutrient-load-reductions>

