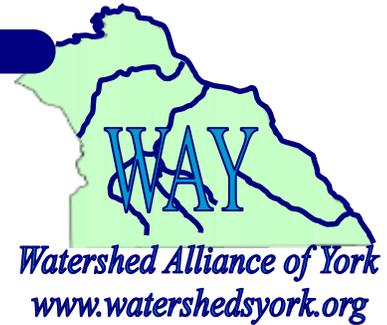


WAY E-NEWS

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



January 30, 2012

A PUBLIC-PRIVATE PARTNERSHIP

Volume 12, Issue 3

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- Rethinking Our Water Ways - A Guide to Water and Watershed Planning for Communities
- EPA to Seek Input on Integrated Municipal Stormwater and Wastewater Management Plans
- EPA Announces Release of Recovery Potential Screening Website
- New Data Added to EPA's Nitrogen and Phosphorus Pollution Data Access Tool
- Potential for Expanding the Nation's Water Supply through Reuse of Municipal Wastewater
- Chesapeake Bay Manure-to-Energy Summit Proceedings Available
- Webinar on "Agricultural Water Usage - Trends, Indicators, and What It All Means"
- Cultec Offers New Stormwater Design Calculator
- Did you know?
- New Look! Stormwater PA
- New Native Plant Resource Online!

WATERSHED CONTACTS

COUNTY PLANNING – (717) 771-9870

CONSERVATION – (717) 840-7430

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

24-HR EMERGENCIES – (877) 333-1904

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

ENVIRONMENTAL – DEP-SCRO

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

FISHERIES – (800) 541-2050

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

- A Strategic Story: A Framework for Story County Economic Development
- Lasting Value—Open Space Planning and Preservation Success
- CNU Sustainable Street Network Principles
- Walkable Community Videos from Dan Burden
- Hard Water? What can be done?
- Pennsylvania's Master Well Owner Network
- Private Well Maintenance
- NOTIFICATION OF PUBLIC COMMENT PERIOD FOR DRAFT MARYLAND PHASE II WATERSHED IMPLEMENTATION PLAN – Mar 9
- DEP Inviting Comments On Noncoal Mining, Dam Safety, Waterways Permit Fees
- Center For Rural PA Still Accepting Comments On Stream Cleaning To Prevent Flooding
- PADEP 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 about farmland preservation in York County 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

- Apr 16 – CCWA Meeting of Members and Board, 7:00 pm, at York Water Co. (Mt. Rose Ave.)
- Contact: Jim Leaman at 843-2929

Codorus Endowment Implementation Committee – www.yccf.org

- For more information, contact the York County Community Foundation at 14 West Market Street York, PA 17401-1203. Telephone: York 717.848.3733; Hanover 717.630.1843. Email: info@yccf.org

Codorus State Park – www.dcnr.state.pa.gov

Conewago Canoe Club – www.conewagocanooclub.org

- Mar 1 – Club Meeting – 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 • 156 North George Street • Suite 300 • York, PA 17401 • Phone (717) 843-4411 • Fax (717) 854-7452 or skenny@farmtrust.org

Friends of Codorus State Park – www.friends-of-codorus.org/

- For more information contact Becky Miller at 632-6747 or email beckymill1@juno.com or Dave Carbaugh at 637-9875 or email carbaugh3@embarqmail.com

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/Gifford Pinchot State Park, 2200 Rosstown Road, Lewisberry, PA 17339. Phone: 717-432-5011

Gunpowder Valley Conservancy – www.gunpowderfalls.org

- How to contact us U.S. Mail: 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, 4945 Horn Road, York, PA 17406. Phone: (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, 7131 Ironstone Hill Road, Dallastown, PA 17313. Club Grounds Phone: 717-428-2000 *Leave a message for the Committee Contact or Club Officer you are trying to reach. Committee Contacts & Club Officers are listed on the Club Information Page. If no phone or email address is listed contact club grounds phone number.

Lower Susquehanna Riverkeeper – www.lowersusquehannariverkeeper.org

- 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/bay/tribstrat/upper_west/up_west_shore.html

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

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

- Mar 24 - Next meeting will be in White Clay State Park, DE, details to be supplied later
- Contact: James Hooper at 717/252-3784 or j.e.hooper@ieee.org

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

- Mar 17 – Strategic Planning Retreat
- May 19 – Native Plant Fest, 9:00 AM to 2:00 PM, at York County ANNEX
- Apr 30 – Advisory Board meeting, 6:30 pm, York County ANNEX
- 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/>

- Monthly meetings will be held the last Tuesday of the each month at 6:30 pm in the Community Room at the Giant at 2300 Linglestown Rd, Harrisburg, PA 17110. All members are welcome!
- Contact GVP Sierra Club, P.O. Box 606, Harrisburg, PA 17108-0606. GVPSierraClub@email.com

Shank's Mare Outfitters – www.shanksmare.com

GO PLAY OUTSIDE!

- Visit the Susquehanna House and Lock 2 Cafe
- Outdoor activities <http://www.shanksmare.com/html/activities.html>
- Shank's Mare: Call Us: 717-252-1616. Email us: Shanksmare@comcast.net

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

- Apr 28 – Board of Directors meeting and strategic planning session, 9:00 Am to 4:00 PM, in New Park
- 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, 1706 Long Level Road, Wrightsville, PA 17368. Office: 717-252-0229. E-mail: info@lyhr.org.

Susquehanna Greenway Partnership – www.susquehannagreenway.org

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

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. Cancellations due to winter weather will be announced here, and on WSBA Radio, 910 AM.

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

- Chapter Meeting 3rd Wednesday of month at [Collinsville Fish & Game](#)
- Contact: Ron Heuston, President MCTU, 244-1851 or Heuy1955@aol.com

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

- Meet the 3rd Wednesday @5pm.
- Contact: Adam McClain, Ph: 717-334-0636; E-mail: stilden@adamswatersheds.org

Watershed Alliance of York – www.watershedsyork.org

- Apr 4 – Annual Meeting of WAY Board of Directors, 7:00 PM, at The York Water Company, Mt. Rose Ave., York, PA.
- GoodShop Deals for WAY - <http://www.goodsearch.com/goodshop.aspx>
- WAY E-News – Published by the Watershed Alliance of York, Inc. to inform the public about news and information that affect York County watersheds and beyond. PLEASE SHARE WITH YOUR MEMBERSHIP AND E-MAIL LIST. Contributions of news, events and information relating to watershed education, funding, planning, restoration, protection, and stewardship welcome. Send contribution to and contact us for mailing list additions/changes to the e-mail address below. Distribution: electronic (1,850). Frequency: bi-weekly. Subscription: No charge. Editor: Gary R. Peacock.
- You can make www.goodsearch.com and be sure to enter WAY as the charity you want to support.

- Contact: Watershed Alliance of York, Inc. (WAY), C/o York County Conservation District, 118 Pleasant Acres Road, York, PA 17402. Phone: (717) 840-7430. Facsimile: (717) 755-0301. E-mail: gpeacock@yorkccd.org

Yellow Breeches Watershed Association – www.ybwa.org

- Board of Directors meets quarterly at Messiah College Library-Athenaeum Room 6 PM.
- Contact: Deborah Goetz, at deborah.p.goetz@gmail.com or phone 717-697-4734

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

- Mar 28 – Board meets from 9:00 to 11:00 Am, at RAYAC, York
- Contact Shanna Wiest, Government Affairs Director, REALTORS Association of York & Adams Counties, Inc. 901 Smile Way York, PA 17404. Phone: (717) 843-7891. Fax: (717) 854-0720. <http://www.rayac.com>

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

- 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
- Rain Barrel Sale! Visit our website for more information and prices.
- 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, 400 Mundis Race Road, York PA 17406-9721. Phone: (717) 840-7440. E-mail: Parks@York-County.org. Web: www.YorkCountyParks.org. Nixon Park Nature Center, 5922 Nixon Drive • York PA 17403. Phone: (717) 428-1961. E-mail: NixonCountyPark@york-county.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



WATERSHED EDUCATION & OUTREACH

PennVEST OKs \$98 Million Water Infrastructure, Non-Point Source Grants, Loans

The [PA Infrastructure Investment Authority](#) Wednesday approved the investment of \$98 million in 23 non-point source, drinking water, and wastewater projects in 19 counties. Of the \$98 million total, \$71 million is for low-interest loans and \$27 million is offered as grants. The awards include a \$28 million grant/loan combination to upgrade a sewage treatment plant in Clinton County that will allow the plant to eliminate the discharge of partially treated sewage into a local stream as well as come into compliance with its Chesapeake Bay nutrient discharge requirements. A list of funding approved [is available online](#).

Agriculture Secretary Comments on Manure in Chesapeake Bay Watershed

In response to the recent Environment Maryland report “An Unsustainable Path: Why Maryland Manure Pollution Rules are Failing to Protect the Chesapeake Bay”, Maryland Agriculture Secretary Buddy Hance issued the following statement. Discussions are underway with agricultural, environmental groups, municipal interests, and Governor Martin O'Malley's staff to iron out additional changes to the proposed nutrient management regulations that will make them both more effective at protecting water quality and easier to implement. The proposed changes aim to adopt the latest science and technology into our regulatory framework. Ultimately, the goal of the revised regulations is to help Maryland meet nitrogen and phosphorus reduction goals spelled out in its Watershed Implementation Plan (WIP) for the Chesapeake Bay. Compliance assurance and enforcement of Maryland's Nutrient Management Law are key features of Maryland's WIP. Currently 99.9 percent of the state's 1.3 million acres of crop land and 99.9 percent of the state's 5,700 eligible farmers are complying with the state's nutrient management law requiring farmers to have a plan. MDA is currently pursuing enforcement actions against two farmers who have not submitted nutrient management plans for 132 acres. A number of environmentally-sound nutrient management alternatives are being studied for feasibility and implementation both on farms and as separate business enterprises. Effective December 31, 2000, all contract feed produced in Maryland for chickens must include phytase (or another enzyme/additive) to reduce phosphorus to the maximum extent feasible. Perdue AgriRecycle's multipurpose facility includes numerous technologies (pelletizing, composting, etc.) for the production of products from poultry waste, providing alternatives to land application of this material. Additionally, the State of Maryland is reviewing proposals for alternative energy uses for animal manure including a 10 megawatt facility. Since 1999, through Maryland's Manure Transport Program, 719,000 tons of excess poultry litter and manure have been transported from areas with excess manure or high soil phosphorus levels to other farms or alternative use facilities that can use the product in an environmentally-sound manner. Well-managed agricultural land provides many more environmental benefits than developed land. At a time when development pressure may be at its greatest, it is in the Bay's best interest for Maryland to keep farmers farming the land. The poultry industry is Maryland's leading agricultural sector, accounting for \$691 million (40 percent) of farm income in 2010. Maryland broiler production ranked eighth among states in broilers produced in 2010. Most of the grain grown on Maryland's Eastern Shore is used for chicken feed. According to the Delmarva Poultry Industry, Inc., poultry companies operating on the Delmarva Peninsula employ 14,700 people. There are over 1,660 family farms that raise chickens in association with the five poultry integrators operating on the Delmarva Peninsula.” Source: *Baynet.com, The*

Buying and Selling Water-Quality Credits

Erosion & Sediment Control Magazine – Trading water-quality credits is a sometimes-controversial but growing trend. An [article in Stormwater magazine](#) last year explored how Philadelphia is offering incentives for private property owners to invest in stormwater controls and clean-

water technologies. Those with enough space and capital to build extended detention ponds, bioretention systems, underground storage systems, or similar measures would receive substantial discounts on their stormwater fees, enough so that the investment would pay for itself relatively quickly—and, if enough owners took advantage of the incentives, it would ease the burden on the municipal stormwater system. Although a credit-trading structure was not in place when the article was published, it was being considered as a future possibility: Property owners with space and money to spare could choose to “over-manage” stormwater on their own property and eventually might be able to sell credits to owners with too little capacity to retain and treat their stormwater onsite. This [earlier article](#) looked at how the process might work in a particular Cincinnati-area watershed. The US Department of Agriculture is now providing grants—up to \$10 million worth—to fund projects related to water-quality credit trading. Approximately half the money is intended for projects in the Chesapeake Bay watershed.

Another Aspect to Density

Stormwater Magazine – We’ve run several articles in *Stormwater* exploring the potential stormwater benefits of high-density development, from a [case study in Grand Rapids](#) to [this article](#) examining the relationship between per capita pollutants and density on a watershed scale. Although areas of denser development tend to have a higher percentage of impervious area, from a watershed perspective, high-rise living can actually result in less impervious area per person—and certainly more preserved open space—than the same number of people living in low-rise single-family homes with the necessary roads, driveways, and sidewalks to get to them. Of course, density of development has implications for far more than just stormwater. A recent [article in the Washington Post](#) reported that people in urban areas are willing to pay a premium to obtain housing within walking distance of public transportation—specifically in this case, that those in the Washington DC region will pay up to 28% more to be near a Metro station, and in some particularly congested areas, as much as 40% more. As more public transit systems are built or expanded, some are arguing that we’re putting them in the wrong place, or at least restricting development near newly built systems in the wrong way. This [opinion piece](#), for example, recommends allowing greater density and fewer height restrictions around Metro stations and the like—and says we might then need fewer huge (and impervious) parking areas near them. “If you build the lines but don’t allow the density, you’ve really just created a private benefit for people who happen to live near the stations.” Do you see zoning ordinances in your area changing to allow greater density and more open space, or a continuing trend to allow development on previously undisturbed land—which, in many cases, still makes it easier for developers to comply with existing site-based stormwater requirements? How does public transport figure into the equation in your city?

Watershed Audit Halts Massive Mud Pollution Cooperatively

Nearly twenty acres of exposed construction site soil was placed under a protective cover of mulch and grass recently. What makes this unusual is that it resulted not from enforcement action but a letter sent by the local watershed association. And even more unusual is that the letter contained a neighborly request; not a threat. In the past watershed advocates would have started with complaints, then threats and even legal action to achieve the same result. And after weeks or months of contention the problem would get solved. But with the approach used here the problem got fixed quickly with minimal expense to the watershed group. Of course this cooperative approach doesn't work in all situations. But it is sufficiently successful that it should always be the first step taken to resolve a water pollution problem. To judge for yourself how well cooperation-first works, click the following link to see how that massive construction site went from an eroding mess to fully stabilized. Read more... <http://ceds.org/audit/MassiveSitePanoramas.pdf>

WEF : Biosolids Recycling and Resource Recovery

Alexandria, VA – The Water Environment Federation’s (WEF) Board of Trustees has approved a revised position statement that calls for innovative and beneficial uses of biosolids. The statement expands on the Federation’s existing support of federally regulated land application by encouraging a comprehensive approach to wastewater treatment and solids management that ensures the recycling and recovery of all associated resources including water, nutrients, organic matter and energy. WEF believes that a cultural move toward sustainability has the potential to shift policy-maker and public perception of biosolids from a waste to a community resource that can help achieve sustainability goals. This shift is creating unprecedented opportunities for the wastewater and biosolids community to position biosolids as a valuable commodity. Also recognizing that biosolids recycling remains a local decision, WEF encourages the use of whatever associated practice—land application, composting, energy generation, product development, landfilling, incineration, or other uses—is best suited to a community’s economic and technological capabilities. To take full advantage of the inherent resource value of biosolids, WEF supports development of multiagency coordinated regulations that are based on sound research and best practices; advancements, innovation, and development of new technologies; recognition of the expanded role of wastewater and solids management; enhanced sharing of knowledge both within the profession and with other organizations, the regulatory community, and the public; and continued research. This position is consistent with decades of scientific research and years of field practice that have clearly established the value and environmental benefits of biosolids, when properly treated and managed. It is also consistent with the U.S. Environmental Protection Agency’s (EPA) position and those of other federal agencies, which encourage the beneficial use of biosolids through policies and regulations, including the Clean Water Act. Source: <http://www.wef.org/>

Great American Cleanup of PA 2012!

I am writing to thank you for your efforts to make your community clean and beautiful and also to announce that we have opened registration today for the Keep Pennsylvania Beautiful 2012 Great American Cleanup of PA! The 2012 Great American Cleanup of PA will begin on March 1st and end on May 31st. During this period, registered events can get free bags, gloves, and vests from PennDOT district offices. Events consist of litter cleanups, illegal dump cleanups, beautification and community greening projects, special collections, and educational events. Events must be registered through the Great American Cleanup of PA website, www.gacofpa.org, to get these free cleanup supplies. As part of this event, the Pennsylvania Department of Environmental Protection, Pennsylvania Waste Industries Association, and local landfills are sponsoring Let’s Pick It Up PA – Everyday. During the Pick It Up PA Days, registered event coordinators will be able to take the trash collected during their cleanup to participating landfills for free disposal. The Let’s Pick It Up PA – Everyday event will begin on April 21st and end on May 7th. The focus day will be April 21st. More information and resources for the Great American Cleanup of PA can be found at the website www.gacofpa.org. If you have any questions or need additional information, please contact Michelle Dunn, Program Coordinator, at 1-877-772-3673 ext. 113 or mdunn@keepbeautiful.org. Last year, over 159,000 volunteers participated in events in each of the 67 counties of the state. We thank all of you for your commitment to help keep Pennsylvania beautiful. We hope that you will participate in the Great American Cleanup of PA again this year.

New Heritage Video

Stories of the Land is a new informational film that showcases the rich heritage of Lancaster and York Counties. Learn about the Susquehannock Indians, the underground railroad, Civil War events, as well as farming and manufacturing traditions that are still apparent in the area today. With a soundtrack by the Lancaster and York Symphonic Orchestras and beautiful aerial flyovers of the Susquehanna River, this video illustrates the special stories of the Lower Susquehanna region. Enjoy the 15 minute video here:

<http://www.susquehannaheritage.org/learn/ourworkalongthesusquehanna/storiesoftheland.aspx>



WATERSHED FINANCIAL ASSISTANCE

Agriculture Soliciting Applications For County Ag Land Conservation Grants – Feb 16

The Department of Agriculture will be accepting applications for county Agricultural Land Conservation Assistance Grants starting January 2 and ending February 16. ([formal notice](#)). Information and grant application forms may be obtained from April Orwig, Bureau of Farmland Preservation, Department of Agriculture, 2301 North Cameron Street, Room 402, Harrisburg, PA 17110-9408.

Nominate Your School For The Pathways To Green Schools Program – Feb 23

The Department of Education is encouraging nominations to the Commonwealth's [Pathways to Green Schools Program](#) to be recognized by the U.S. Department of Education for energy efficiency, healthy students and environmental literacy efforts. Pennsylvania will submit up to four schools as Green Ribbon Schools. The deadline for submissions is February 23. For all the details visit the [Pathways to Green Schools Program](#) website. Sign up for [iConservePA.org](#) emails for lots of other useful conservation information. You can also sign up for the Department of Conservation and Natural Resources' [monthly Resource](#) online newsletter (go to the bottom of the page).

PA American Water Kicks Off 2012 Stream Of Learning Scholarship Program – Feb 29

[PA American Water](#) Tuesday announced applications are being accepted for its 2012 [Stream of Learning Scholarship Program](#) to provide college scholarship assistance to students who are planning to pursue careers in the water and wastewater industry. The deadline for applications is February 29. The program is designed to support outstanding students living in Pennsylvania American Water's service territories who are charting a course of study in specific fields, ranging from engineering to environmental science, which are crucial to the water and wastewater business. The company will award scholarships of \$2,000 each to 10 students who are selected through the program's application process. Applicants must meet the following criteria:

- Students must currently live in one of Pennsylvania American Water's service areas. (Students can attend college outside of the company's service territory.)
- Students must plan to attend a two- or four-year college or technical school.
- Students must plan to study environmental science, environmental engineering, biology or chemistry.

Winners will be selected by a panel of judges and will receive their awards in May. Family members of Pennsylvania American Water employees are not eligible. This month, the company is sending scholarship brochures and applications to high school guidance counselors throughout its service territory. Applications can be downloaded from the [company's website](#).

USDA Announces Funding for Water Quality Markets. Seeks Proposals for Projects – Mar 2

WASHINGTON, January 13, 2012 – Agriculture Secretary Tom Vilsack today announced a funding opportunity that will bring states, USDA and other stakeholders together to enhance the effectiveness of water quality credit trading. USDA's Natural Resources Conservation Service is providing up to \$10 million in Conservation Innovation Grants (CIG) for these projects, with up to \$5 million focused on water quality credit trading in the Chesapeake Bay watershed. Proposals for projects are due March 2, 2012. Water quality credit trading is a market-based approach to lowering the costs of reducing pollution, and has the potential to engage more farmers and ranchers in water quality improvement efforts through the implementation of more conservation practices on agricultural lands. Through water quality credit trading, a producer who implements conservation practices to reduce water quality pollutants can also benefit by generating water quality market credits that could be sold in an open market, which would reduce the costs of implementing and maintaining the conservation practices.

NRCS requests CIG proposals for projects that:

- Support the completion of state water quality market rules and infrastructure needed to carry out water quality trading between point and non-point sources;
- Deploy and test tools and metrics needed for crediting and verifying the effectiveness of conservation practices on agricultural lands;
- Establish certification, registry and reporting systems; and
- Educate and reach out to agriculture and other sectors.

CIG funds will be awarded through a competitive grants process. At least 50 percent of the total cost of CIG projects must come from non-Federal matching funds, including cash and in-kind contributions provided by the grant recipient. Projects must involve producers who are eligible for the NRCS [Environmental Quality Incentives Program](#). To apply electronically, visit [Grants.gov](#) or contact a local NRCS office. View the complete Announcement of Program Funding [here](#). The Chesapeake Bay portion of this effort is part of NRCS' [Chesapeake Bay Watershed Initiative](#), which helps agricultural producers in Delaware, Maryland, New York, Pennsylvania, Virginia and West Virginia improve water quality in the watershed. NRCS will host a webinar at 3 p.m. EST on January 24th for prospective applicants. USDA officials and staff will discuss the goals of the program and answer questions about the request for proposals. For more webinar details please go to the [CIG website](#). Learn more about NRCS conservation programs [here](#) or visit your local [USDA service center](#).

Water Resources Education Network Now Accepting 2012 Grant Applications – Mar 23

The [Water Resources Education Network](#), a project of the League of Women Voters of Pennsylvania Citizen Education Fund, is offering funding to help launch community coalitions that will raise awareness, conduct water education projects, and promote action to protect water resources now and for future generations within Pennsylvania. Proposals are due March 23. WREN Projects work to help communities protect

and improve our most precious natural resource, our water. To see examples of prior funded projects for creative ideas, visit WREN's [Local Projects](#) webpage. No need to re-invent the wheel. Two separate funding tracks are offered for 2012:

- **Track 1: Watershed Protection Education/ Non-point Source Pollution Prevention Grants.** WREN will award 10-12 grants of up to \$5,000 each for community-based partnerships to conduct Watershed Protection Education projects that raise awareness and educate Pennsylvania citizens and local officials about their roles as environmental stewards to protect, improve, and remediate the watershed from the impacts of nonpoint source pollution (polluted runoff). To encourage awareness of land use impacts on water quality, a municipality is required to be an active partner in the project. Nonpoint source pollution includes: drainage or runoff from resource extraction, abandoned coal mines, oil or gas wells; inadequate erosion control practices during construction, urban runoff; improper agricultural practices (erosion and sedimentation, nutrient management, pesticide application); improper timber harvesting practices; improper lake management practices; failing on-lot septic systems or other abandoned waste disposal sites. NPS also results from altered hydrology (changing the way water flows through an area) due to impervious surface area and stormwater runoff.
- **Track 2: Source Water Protection Education Grants.** WREN will award 3 grants of up to \$7,000 each to develop a county-wide or regional partnership, known as the Source Water Environmental Education Team (SWEET) that will raise awareness and conduct public education in multiple municipalities for local officials and community members about proper stewardship of source water areas and ways to prevent, manage, and reduce the risk of contamination to public drinking water supply sources. Please be advised that Source Water Protection Education Grant Program award funding is dependent upon availability of funding support to the League of Women Voters of Pennsylvania Citizen Education Fund/WREN Project. The SWEET Team will raise awareness about valuable public water supply areas, potential sources of contamination in local communities, recommended water protection management measures that will reduce risk of contamination in source water areas, and assist with contingency planning in the county.

While many Pennsylvanians get their drinking water from on-site private wells, the majority of consumers rely on public water supply systems. Over 2,100 community water supply systems in the Commonwealth service more than 10.2 million people. The goal is to ensure high quality drinking water today and for future generations, and keep water treatment costs down. How To Apply: Proposals are due at the League of Women Voters of PA Harrisburg office, located at: 226 Forster Street, Harrisburg, PA 17102. Funded project activities must take place July 1, 2012 – June 30, 2013. Questions? Please review [grant guidance and application forms](#) and then contact: Julie Kollar, WREN Project Director at 267-468-0555 or send email to: juliekwren@verizon.net.

DCNR Community Conservation Partnership Grant Round Open – Apr 4

The Department of Conservation and Natural Resources this week opened the 2012 application period for the [Community Conservation Partnerships Program Grants](#) administered by the Bureau of Recreation and Conservation. (*formal notice*). The primary open application period officially began on January 11 and will end at 4 p.m. on April 4. Depending on the funding source, eligible applicants include Commonwealth municipalities and appropriate nonprofit organizations. Grant assistance from the Department helps communities in this Commonwealth and organizations plan, acquire and develop recreation, park and trail facilities and conserve open space. The Bureau administers the C2P2 Program which combines several State and Federal funding sources into one grant program. In 2012, the Department Grant Program will focus on making grant awards that enhance this Commonwealth's recreation and conservation infrastructure. Specific priorities for grant proposals include: the rehabilitation of existing park and recreation facilities, particularly through the incorporation of green principles; trail projects that close gaps in major Statewide greenways and regionally significant trails; implementation of Rivers Conservation Plans including enhancing water trails and improving public river access; planning to help park and recreation facilities become greener; land conservation for critical habitat, key connectors, expansion of existing park and recreation areas and the establishment of new community parks; and projects identified by regional partnerships including Conservation Landscape Initiatives, Heritage Areas and Statewide significant greenways. For more information on many of these priorities visit the [PA Outdoor Recreation Plan](#) webpage.

Do Something Wild On Your State Tax Form: Support The Wild Resource Conservation Fund – Apr 15

It's a new year, so why not do something Wild? Check the box on your tax form to donate all or a portion of your refund to the [Wild Resource Conservation Fund](#). Since 1982, the fund has been helping to protect our threatened and endangered species, and it needs your support to carry on its important work. [Click Here](#) for how you can check your tax form or make a donation to the Fund. You can also download a [new 2012 Calendar](#) full of information on Pennsylvania's threatened and endangered species. Sign up to receive electronic copies of [Keystone Wild! Notes](#), the quarterly newsletter from the Wild Resource Conservation Fund Program. You can also sign up for the Department of Conservation and Natural Resources' [monthly Resource](#) online newsletter (go to the bottom of the page).



WATERSHED FACILITATION ASSISTANCE

DCNR's Green and Sustainable Webinar- Let's Get Outside: Connecting to the Outdoors in the Centre Region – Feb 10

Learn about the programs that Centre Region Parks & Recreation (CRPR) provides to encourage people in the community to get outdoors. The presentation will include an overview to the agency, a summary of why getting people outdoors is important, and will feature six different activities that CRPR offers in the community to get people outdoors. These include activities such as community events, senior center programs, nature center programs, pool events and more. Challenges and resources will also be addressed, as well as future program ideas that CRPR would like to pursue. A brief update on the DCNR Get Outdoors PA program will be provided at the end. Date and Time: February 10, 2012 at 10:00 am, Eastern Standard Time (New York, GMT-05:00). Event web address: <https://copa.webex.com/copa/onstage/g.php?d=645659393&t=a>. Call-in toll-free number: 1-877-668-4493, Access code: 645 659 393. Click here for the [Green and Sustainable Webinar Flyer](#). To check out other Bureau of Recreation and Conservation information go [here](#).

SRBC HOLDING A PUBLIC HEARING ON WATER WITHDRAWAL AND CONSUMPTIVE USE PROJECT APPLICATIONS - Feb 16

HARRISBURG, Pa. – The Susquehanna River Basin Commission (SRBC) (www.srbc.net) will conduct a public hearing in February to accept public comments on water withdrawal and consumptive use project applications scheduled for action by SRBC at its next business meeting in mid-March. The hearing on the project applications is scheduled for February 16, 2012, Pennsylvania State Capitol, East Wing, Room 8E-B, Harrisburg, Pa., 2:30 p.m. to 5:00 p.m. Written Comments Accepted Through February 27, 2012. The list of project applications scheduled for comment and information on those applications are available on SRBC's web site at www.srbc.net/pubinfo/publicparticipation.htm. The project applications scheduled for the February 16 hearing also include those that were approved at SRBC's December 15, 2011 hearing in Wilkes-Barre, Pa. Persons planning to present oral testimony at the public hearing are asked to notify SRBC prior to the hearing of their intent to testify and to indicate the project application(s) they plan to comment on. The notices are to be directed to Richard Cairo, General Counsel, Susquehanna River Basin Commission, 1721 North Front Street, Harrisburg, PA, 17102, Phone: (717) 238-0423, ext 306, Fax: (717) 238-2436, E-Mail: rcairo@srbc.net. SRBC will also accept written comments on the project applications until February 27. Comments may be submitted via the internet at www.srbc.net/pubinfo/publicparticipation.htm or mailed or faxed to Mr. Cairo.

DCNR Grant Writing Workshops - Feb 21

During February and March, free grants workshops are scheduled at the following locations throughout this Commonwealth, from 9:30 a.m. until 12:30 p.m., focusing on the Department's greening emphasis, how to develop a competitive and ready to go project and changes to the 2012 C2P2 Grants Program: February 21—PA State Association of Township Supervisors Building, Enola. To register for these workshops, go to the [DCNR Calendar of Events](#) webpage. In the event of inclement weather, contact the Pennsylvania Recreation and Park Society at 814-234-4272, and/or check the workshop status on the [Department's Calendar](#) or the [PRPS website](#). If a workshop is cancelled due to inclement weather, a webinar on the C2P2 Grants Program will be held on March 23. Persons with a disability who wish to submit an application and require assistance should contact Darrel Siesholtz at (717) 787-7672 to discuss how the Department may best accommodate their needs. Voice/TTY users should call (800) 654-5984. [Click Here](#) for guidelines and procedures for applying for a Community Conservation Partnership Grant. [Click Here](#) to start your grant application. (Only online applications will be accepted.)

PA Land Development Conference - Feb 22 & 23

On February 22nd & 23rd, the Pennsylvania Housing Research Center (PHRC) in the Department of Civil and Environmental Engineering at Penn State University will hold its 20th annual Housing and Land Development Conference at the Nittany Lion Inn in State College, PA. The conference strives to be the premier technical conference for housing and land development issues in Pennsylvania. Topics for the Land Development Day, Wednesday, Feb 22nd, include:

- The Good, the Bad and the Ugly - A panel discussion on stormwater BMPs (Scott Brown, P.E. - Pennoni Associates, Scott Cannon - Tredyffrin Township, Russ Lasco, P.G., C.P.S.S. - Lanchester Soil Consultants, Jeff Sturniolo - Glen O Hawbaker)
- Implementation of Updated Ch 102 Regulations (Jennifer Orr - PADEP)
- Update of the PA Stormwater Technical Workgroup and Efforts to Revise the BMP Manual (Mark Bowen, PE - Kleinschmidt Associates)
- NAHB Green Land Development Standards (Howard Fortunato - Landmark JCM)
- LEED Green Land Development Standards (April Barkasi, P.E. - Cedarville Engineering Group)
- Life Cycle Assessment of BMPs (Kevin Flynn, P.E. - AKRF)
- PHRC Standards for Residential Site Development (Katie Blansett, Ph.D., P.E. - PHRC)
- Market Analysis (TBD)

Certificates for 8 PDHs for Professional Engineers will be provided for the Land Development sessions. For more information and to register for the PHRC conference, check out the PHRC website at <http://www.engr.psu.edu/phrc/Conference/2012%20Conference/EventHome.html>

PA Trout Unlimited Hosts 10th Keystone Coldwater Conference - Feb. 24-25

The [PA Council of Trout Unlimited](#) will be hosting the 10th [Keystone Coldwater Conference](#) February 24-25 at the Penn Stater Conference Center Hotel in State College. This year's Conference will be titled "Responsible Land Use: Protecting Habitat and Native Species" focusing on issues and solutions to protecting our coldwater resources. The conference will feature presentations on stormwater management, buffer maintenance, pervious pavements, development, aquatic invasive species, and land use protection. The conference is designed for grassroots members from organizations such as; Trout Unlimited chapters, watershed organizations, sportsmen's groups, along with environmental professionals across the state to come together to share new ideas and concepts dealing with protecting our coldwater resource. The conference will begin on Friday evening with a social reception. This will be a great opportunity to network with other individuals interested in protecting our resource and visit with exhibitors and poster presenters. Saturday will begin with two keynote speakers; Dr. Steve Williams, President of the Wildlife Management Institute and Scott Stranko, Conservation biologist for Maryland Department of Natural Resources. Twelve breakout sessions will round off the morning and afternoon, with topics related to protecting habitat and native species. Sponsors of the conference include: PA Council of Trout Unlimited, Department of Conservation and Natural Resources, Foundation for Pennsylvania Watersheds, Fish and Boat Commission, PA Environment Digest: Crisci Associates, Donald & Sylvia Robinson Family Foundation, Citizens for Pennsylvania's Future, Pennsylvania Center for Dirt and Gravel Roads, Trout Unlimited, Western Pennsylvania Conservancy, Chesapeake Bay Foundation and the Whetzel Family Charitable Trust. Early registration fee, which covers Friday evening and all day Saturday, is \$60.00 before January 31st, or \$80.00 beginning February 1. A limited number of rooms are available at the Penn Stater for the special rate of \$99.00 plus tax, per night, but only if you make your reservation by January 24. To reserve a room at this special rate, call 800-233-7505 or 814-863-5000 and use the identification number Key12b. For more information, to register, or to sign up as an exhibitor visit the [Keystone Coldwater Conference](#) webpage.

22nd annual Pennsylvania Lake Management Society annual conference - Mar 7 & 8

We will once again be at the Days Inn State College. The dates for this years conference are March 7th and 8th. This years theme is "Staying Blue by Going Green", and our keynote speaker is Bill Jones from Indiana School of Public and Environmental Affairs in Bloomington, Indiana. As always, we have a great line of speakers. We also offer aquatic applicator credits for PA, OH, NY, and NJ. Please take time to look over our

conference brochure and feel free to pass it along to anyone you think may be interested. I look forward to seeing all of you in March! Check us out on our newly designed website: palakes.org

Potential PENNVEST's Nutrient Credit Auctions participant – Mar 7 & 14

Please join Markit Environmental team for a series of informative Webinars that will discuss how to use Markit systems for PENNVEST's Nutrient Credit Auctions Program for the upcoming March 21st Forward Water Auction. The following topics will be covered:

- Enrollment / Eligibility – Utilize Markit Document Exchange platform to manage your enrollment documentation
- Submitting Bids and Offers – Submit Auction Bids and Offers through Markit Environmental Registry
- Review Auction Results – Review your individual Auction results on Markit Document Exchange

Enrollment:

- Wednesday February 1st, 2012 (9:00 am to 12:00 pm)

Submit Bids and Offers, Review Auction Results

- Wednesday March 7th, 2012 (9:00 am to 12:00 pm)
- Wednesday March 14th, 2012 (9:00 am to 12:00 pm)

The information needed to join is as follows:

- Call-in toll-free number (US/Canada): (866) 273 - 7990
- Meeting Password: 4891177#

In order to see the presentation, please open the following link in your Internet Explorer Browser: <http://www.meetingzone.com/markit/>.

Complete the participant information and click *Login*. Please use the Participant Access Code: 4891177. To ensure that you are able to see all parts of the presentation, please perform the system check by following this link: <http://www.meetingzone.com/markit/>. Under *Related Links* on the right side of the screen, click on *System Compatibility Check* and follow the instructions. To participate, please email environmental.auctions@markit.com.

National Groundwater Awareness Week - March 11-17

Now in its second decade, Groundwater Awareness Week spotlights one of the world's most important resources – groundwater. Sponsored by the National Ground Water Association (NGWA), this annual event helps build awareness about this vital resource and asks: "Who should be aware of groundwater?" The answer, quite simply, is "everyone." Groundwater is essential to the health and well being of humanity and the environment. Whether you're on a public water system or a private well, whether you are a health care official, policymaker, regulator, or someone interested in water resources or the environment in general, groundwater is important to you. Find more information about groundwater and water well stewardship by visiting NGWA's website for well owners, www.wellowner.org.

Source Water Protection 101: What Municipal Officials Need to Know to Safeguard Public Water Supplies – Mar 20

The PA State Association of Boroughs, PA Municipal Planning Education Institute, PA DEP & Water Resources Education Network (WREN) is sponsoring a class entitled Source Water Protection 101: What Municipal Officials Need to Know to Safeguard Public Water Supplies on March 20, 2012 from 6 – 9 pm in Harrisburg. The cost is \$15. Registration available online at www.classes.boroughs.org or by calling Terri at the PA State Association of Boroughs at 800-232-7722 x42. The class is specifically targeted to municipal officials and offers a primer on drinking water protection from the perspective of community planners and officials.

Stream Ecological Services and Riparian Forest Buffer Session At Stroud Water Research Center – Mar 28

Session March 28, 2012 (Wednesday) from 9:30 – 3:00. This session at the Stroud Water Research Center is primarily for anyone who has never been to the Stroud Center. I would describe the session as Forest Riparian Buffer/Stream Ecology 101. It is suitable for everyone who has an interest in Water Quality from interns to heads of departments. This session is sponsored by the Chesapeake Bay Foundation and DCNR Bureau of Forestry. The agenda is as follows: Dr. Bern Sweeney will present an introduction to the Stroud Center followed by a lecture on stream ecology and ecological services as related to forested riparian buffers. We will then tour the Stroud Research Lab and have lunch. After lunch we will have a brief update from David Wise of the Chesapeake Bay Foundation, on forest buffer concerns and opportunities. We will visit research projects within walking distance of the Center. This will be followed with a discussion of your questions and concerns. We will adjourn no later than 3:00PM. There is no cost to the participant for this session that includes lunch. We can handle up to 50 people. I am requesting that you let me know by March 16, 2012 if you plan to attend so I can keep track of the numbers for the lunch count. I have participated in or help to arrange more than 30 sessions at the Stroud and have always received very positive feedback. Please respond with your name, title, phone number and email address. I would prefer if you responded by email. The participant is responsible for any cost incurred for travel. I appreciate your interest. Let me know if you have any questions. Office: 717-772-0263. Cell: 717-919-5439. Email: c_rshockey@state.pa.us. Richard L. Shockey, Environmental Review Specialist, Ecological Services Section, Bureau of Forestry, RCSOB – 6th Floor, 400 Market Street, Harrisburg, PA 17105.

Woods in Your Backyard - A Sustainable Landscapes Workshop – Mar 30

Friday, March 30, 2012 - Keystone College or Saturday, March 31, 2012 - East Stroudsburg University, 9:00am - 3:30pm. This one-day workshop is designed specifically (but not exclusively) for smaller landscapes. These small lots are a big deal, for the vast majority of Pennsylvania's land-owners have less than 10 acres. This land, wooded or not, can provide benefits. By enhancing wooded areas or creating natural areas on your lot, you can enjoy recreation, aesthetics, wildlife, improved water quality and reduced energy costs. Owners of even the smallest landscapes can make a positive difference in their environment through planning and implementing simple stewardship practices learned at this workshop. The workshop will be held at two sites - Keystone College (March 30th) and East Stroudsburg University (March 31st). Registration is \$25 per person and includes lunch, breaks and program materials. Each workshop attendee will receive a free copy of *The Woods in Your Backyard: Learning to Create and Enhance Natural Areas Around Your Home* (a \$20 value). The full-color, 139 -page manual is a self directed book that will guide you through the process of developing and implementing projects to enhance your land's natural resources. This workshop is part of a Sustainable Backyard Landscapes Series developed through a partnership of Penn State Extension, Pennsylvania Department of Conservation and Natural Resources, Pennsylvania Environmental Council and the Alliance for the Chesapeake

Bay's Forestry for the Bay initiative. FYI [http://www.forestryforthebay.org/files/WoodsinYourBackyardFlyer\[1\].pdf](http://www.forestryforthebay.org/files/WoodsinYourBackyardFlyer[1].pdf). To register online visit <http://agsci.psu.edu/backyard/woods>.

SAVE THE DATE! Global Youth Service Day – Apr 21

United Way – York. For more information, contact Kristen Clineburg, AmeriCorps Member, Youth Volunteer Initiatives Coordinator, United Way of York County, 800 E King St York PA 17403. Tel: 717-771-3823. E-mail: clineburgk@unitedway-york.org



WATERSHED TECHNICAL ASSISTANCE

Diverse Ecosystems Are Crucial Climate Change Buffer

ScienceDaily (Jan. 12, 2012) — Preserving diverse plant life will be crucial to buffer the negative effects of climate change and desertification in the world's drylands, according to a new landmark study. The findings of the multi-author study, published January 13 in the journal *Science*, are based on samples of ecosystems in every continent except Antarctica. They confirm for the first time that the more diverse an ecosystem is, the more ecological functions it performs. It also has implications for carbon sequestration and soil health. Read article... <http://www.sciencedaily.com/releases/2012/01/120112142226.htm>

Rethinking Our Water Ways - A Guide to Water and Watershed Planning for BC Communities

In October 2011, the Fraser Basin Council released *Rethinking Our Water Ways – A Guide to Water and Watershed Planning for BC Communities in the Face of Climate Change and Other Challenges*; and is rolling out the Guide at workshops around the province.

“Do you or your organization have responsibilities in the planning and management of watersheds or water resources? Would you like to know more about current water-related challenges and opportunities? *Rethinking Our Water Ways* has been developed to help planners, decision makers and communities strengthen their capacity to look after healthy watersheds and water resources.” The guide offers a primer on 10 different types of water and watershed planning processes that are available in BC to manage water supply and demand; protect drinking water quality; and better integrate water, land and watersheds. The guide provides an overview of the water-related impacts of a changing climate and it offers suggestions on how these impacts can be addressed through planning. The guide also shares experiences, lessons learned and information resources from water leaders, champions and practitioners from across British Columbia. To download a copy, click on www.rethinkingwater.ca. To learn more, phone Steve Litke at 604-488-5358 or email him at slitke@fraserbasin.bc.ca.

EPA to Seek Stakeholder Input on Integrated Municipal Stormwater and Wastewater Management Plans

EPA is holding a series of five workshops to solicit stakeholder input on the use of integrated municipal stormwater and wastewater plans to meet the water quality objectives of the Clean Water Act. For additional information and to register for the workshop, please visit EPA's Integrated Municipal Stormwater and Wastewater Plans website at www.epa.gov/npdes/integratedplans or contact Kevin Weiss, Office of Water, Office of Wastewater Management, by phone at 202-564-0742 or via e-mail at weiss.kevin@epa.gov.

EPA Announces Release of Recovery Potential Screening Website

The Recovery Potential Screening website is a new technical assistance tool for surface water quality protection and restoration programs. This tool is a user-driven, flexible approach for comparing relative differences in restorability among impaired waters that uses ecological, stressor, and social indicators to evaluate and compare waters and reveal factors that may explain the relative restorability of waters. This tool will assist in complex planning and prioritizing decisions, provide a systematic and transparent comparison approach, reveal underlying environmental and social factors that affect restorability, and better inform restoration strategies to help achieve results. The website provides step-by-step directions in the screening process, downloadable tools for calculating indices and displaying results, summaries of indicators and their measurement from common data sources, a recovery literature database, and several case studies and related links. For more information, visit: <http://water.epa.gov/lawsregs/lawguidance/cwa/tmdl/recovery/index.cfm>

New Data Added to EPA's Nitrogen and Phosphorus Pollution Data Access Tool

EPA has added updated U.S. Geological Survey (USGS) SPATIally Referenced Regressions On Watershed attributes (SPARROW) data to the nitrogen and phosphorus pollution data access tool, a tool intended to help states develop effective nitrogen and phosphorus source reduction strategies. SPARROW is a GIS-based watershed model that integrates statistical and mechanistic modeling approaches to simulate long-term mean annual stream nutrient loads as a function of a wide range of known sources and factors affecting nutrient fate and transport. USGS recently completed syntheses of the results from 12 independently-calibrated regional-scale SPARROW models that describe water quality conditions throughout major river basins of the conterminous U.S. based on nitrogen and phosphorus sources from 2002. Two data layers of EPA's data access tool – one for nitrogen and one for phosphorus – now provide an approximate yet regionally consistent synthesis of the locations of the largest contributing sources. The SPARROW geospatial layers can be used to prioritize watersheds for targeting nutrient reduction activities (such as stream monitoring) to the areas that account for a substantial portion of nutrient loads, and to develop state nitrogen and phosphorus pollution reduction strategies. This information is relevant to the protection of downstream coastal waters, such as the Gulf of Mexico, and to local receiving streams and reservoirs. The nitrogen and phosphorus pollution data access tool, with updated SPARROW layers, is available at: www.epa.gov/nutrientpollution/npdat

Water Reuse: Potential for Expanding the Nation's Water Supply through Reuse of Municipal Wastewater

On January 10, 2012, the National Research Council released a report co-sponsored by EPA titled, “Water Reuse: Potential for Expanding the Nation's Water Supply through Reuse of Municipal Wastewater.” The report highlights the potential that reuse of municipal wastewater can play in augmenting traditional water supplies, particularly in areas that are experiencing or expect to face challenges in meeting demand for water. EPA agrees that advancements in water treatment processes make reuse of municipal wastewater a more viable option when risks are appropriately managed. EPA will review the findings and recommendations to determine how they can inform the Agency's ongoing efforts to promote a more integrated view of the nation's water resources. The report will also inform efforts underway to revise and update EPA 2004

guidelines for water reuse. For more information on the report, visit: <http://dels.nas.edu/Report/water-reuse/13303> . To access and download a copy of the report, visit: http://books.nap.edu/catalog.php?record_id=13303.

Chesapeake Bay Manure-to-Energy Summit Proceedings Available

The summary report of the Chesapeake Bay Manure-to-Energy Summit that took place this past September is available at: <http://www.chesbay.us/Publications/manure-to-energy%20report.pdf>. With over 140 experts in attendance from the Chesapeake Bay region and beyond, the Summit focused not just on the different technologies that are emerging, but more importantly on the public policies that could help to get more of these technologies on the ground in the near term. Specifically, the report describes 14 different policy options within three categories: Assist market entry; Finance for maximum benefit; and Support effective use of by-products. Pennsylvania is already a regional leader in on-farm energy production. However, additional action is needed to fully realize the potential economic and environmental benefits of manure-to-energy systems. We look forward to working with stakeholders to identify and promote the best strategies for our Commonwealth. You can forward questions or requests for hard copies to Marel Raub at 717-772-3651 or mraub@chesbay.us.

The Horinko Group to Host Webinar on "Agricultural Water Usage - Trends, Indicators, and What It All Means"

February 16, 2012, 1:30 - 3:00 PM EST. The Horinko Group's Water Division will host the second installment in its 2012 free webinar series to examine one of our nation's most water intensive practices - agricultural irrigation. Irrigation of agricultural crops is a significant user of surface and groundwater, accounting for over 80% of consumptive water use in the United States. This webinar will present current accepted facts and numbers tied to national agricultural water usage and application methods in a format that is concise and easy to follow. Building on this foundation, we intend to broaden the discussion for improved efficiencies and use of innovative methods to help foster a more widespread water stewardship ethic. The featured presenter will be Noel Gollehon, Senior Economist, Natural Resources Conservation Service, U.S. Department of Agriculture. For more information on the webinar and to register, visit: <http://www.thehorinkogroup.org/?q=content/upcoming-webinar-agricultural-water-usage>.

Cultec Offers New Stormwater Design Calculator

BROOKFIELD, CT/January 9, 2011 – A new and improved stormwater design calculator is now available from CULTEC, Inc. The calculator is an MS Excel-based spreadsheet for designing stormwater systems using the company's chambers. It can be used as a standalone tool to generate report outputs based on a project's parameters. The calculator provides chamber specifications, a material list, and bed detail as well as calculates a cross section detail together with the breakdown of storage provided by the system. Additionally, it includes full data sheets with metric and English units to qualify project calculations. An enhanced interface includes easy navigation and product images. To download the calculator, go to www.cultec.com/sdc.html. For more information, please call (203) 775-4416 or visit www.cultec.com.

Did you know?

A forested stream will remove 2-8 times more nitrogen than an equal length of grass buffered stream. Forested buffered streams treat point and non-point pollution. The pollution remediation that happens directly in a forested stream may equal the pollution preventing function of the forested buffer. The Conservation Reserve Enhancement Program can restore buffers at a net profit to the landowner of \$2000/\$4000 per acre. Want to learn more? Check out the Stroud Water Research Center Website at: [Http://stroudcenter.org](http://stroudcenter.org) and join us for our next visit to the Stroud.

New Look! Stormwater PA

We are very pleased to announce the arrival of the new StormwaterPA.org. StormwaterPA is your go-to resource for the most current information and effective, proven techniques in stormwater management. <http://www.stormwaterpa.org/>

New Native Plant Resource Online!

Welcome to the Native Plant Center! Here you can find native plants of the same type, shape, color, size, and other desirable plant characteristics for creating attractive and more natural landscapes in your yard. <http://www.nativeplantcenter.net/>

A Strategic Story: A Framework for Story County Economic Development

A new planning document for Story County, Iowa, is focused on the belief that any economic development strategy should reflect quality of life in addition to jobs, economic activity, and improved tax base. Major issues addressed in the plan include strategic partnerships and investments, as well as trails, recreation, and other quality of life issues. <http://www.planning.org/communityassistance/teams/storycounty/>

Lasting Value—Open Space Planning and Preservation Success

Lasting Value celebrates cities and towns that excel at preserving natural areas, farmland, and other types of open space. The book provides examples of creative preservation solutions for planners, commissioners, and citizens who seek to preserve the green legacy in their own backyards. <https://www.planning.org/apastore/meet/2012/lastingvalue.htm?print=true>

CNU Sustainable Street Network Principles

The Congress for the New Urbanism (CNU) has compiled a set of principles and key characteristics of the sustainable street network. The principles place the historic function of streets for all citizens front and center and makes a case for traditional urban approaches in street design. <http://www.cnu.org/cnu-news/2012/01/cnus-sustainable-street-networks-principles>

Walkable Community Videos from Dan Burden

The Community Redevelopment Agency of Martin County, Florida recently commissioned Dan Burden of the WALC Institute to produce three short videos on the basics of walkability, road diets and head-out angled parking. The videos are available to watch online. <http://vimeo.com/35259036>

Hard Water? What can be done?

Hard water can make deposits on dishes and faucets, cause dingy laundry, and diminish the effectiveness of appliances that heat water. The science of hardness and the mechanics of the ion exchange water softener are explained. Read more...

<http://extension.psu.edu/water/discovery-watersheds/newsletter/news/2012/hard-water-what-can-be-done>

Pennsylvania's Master Well Owner Network

Penn State Master Well Owners reach out to assist adults and children understand the value of proper well location and construction and the importance of proper testing and treatment of their drinking water supply. Read more...

http://extension.psu.edu/water/discovery-watersheds/newsletter/news/2012/pennsylvania2019s-master-well-owner-network?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+agsci-water-watershedwinds+%28Penn+State+Watershed+Winds+Newsletter%29

Private Well Maintenance

Proper well siting and construction leads to better water quality. Tips for inspecting older wells such as looking for signs of casing failure, the use of grout and the value of a sealed cap are discussed. A worksheet to help evaluate the condition and construction of an older well is discussed and linked. Read more...

http://extension.psu.edu/water/discovery-watersheds/newsletter/news/2012/private-well-maintenance?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+agsci-water-watershedwinds+%28Penn+State+Watershed+Winds+Newsletter%29

NOTIFICATION OF PUBLIC COMMENT PERIOD FOR DRAFT MARYLAND PHASE II WATERSHED IMPLEMENTATION PLAN – Mar 9

Draft documentation of Maryland's Phase II Watershed Implementation Plan (WIP) for the Chesapeake Bay TMDL will be available for public review and comment on the MDE web site at: www.mde.state.md.us/programs/Water/TMDL/TMDLImplementation/Pages. The public comment period will be open through Friday, March 9, 2012. Comments should be sent by email to wipcoordinator@mde.state.md.us (preferred) or by mail to Tom Thornton at the address provided below. Additional information on the public comment process is provided on the draft Phase II WIP documents web page. A series of regional public informational meetings is scheduled to take place during the comment period. Formal comments will not be taken at the public meetings, which are intended to provide information and answer questions about the draft Phase II WIP. The schedule and additional information about the meetings are also provided on the web page. Thank you for your interest and participation in Maryland's Phase II WIP process. Tom Thornton, Science Services Administration, Maryland Department of the Environment, 1800 Washington Boulevard - Suite 540, Baltimore MD 21230-1718. Tel: 410-537-3656.

DEP Inviting Comments On Noncoal Mining, Dam Safety, Waterways Permit Fees

Proposals to increase fees for Dam Safety and Waterway Management Permits and permits related to noncoal mining were the subject of PA Bulletin notices on January 28. The Environmental Quality Board [published proposed](#) increases in Dam Safety and Waterway Management Permit fees for public comment. Revised estimates of income from the proposed increases by DEP show the new fees would generate about \$4,267,612 a year more than the existing fees. DEP had estimated nearly \$8 million in new fee income when the fees were originally proposed in December 2010. Revised permit fee income estimates for dam safety would increase to \$1,390,850 from \$28,000 and waterway management permit fees income would increase to \$2,952,612 from \$47,850.* The Department of Environmental Protection [published notice](#) it is soliciting additional public comments on a proposed rulemaking published in August, 2010 increasing [noncoal mining-related](#) permit fees. The proposal would increase fees \$2,475,000 (from \$25,000 to \$2,500,000 annually). DEP in December [took action to withdraw](#) proposed Drinking Water permit fee increases adopted by the Environmental Quality Board which would have generated \$8.1 million (from \$250,000 to \$8,385,000 annually). *Update: The original income estimate of nearly \$8 million published here was from the [Fee Report Form](#) published with the proposed regulation in December 2010.

Center For Rural PA Still Accepting Comments On Stream Cleaning To Prevent Flooding

As a follow up to [a listening session](#) on stream cleaning to prevent flooding on January 19, the [Center for Rural Pennsylvania](#) will continue to accept comments on the issue, according to Sen. Gene Yaw (R-Bradford). Center staff was be joined by state and local elected officials from Bradford, Lycoming, Sullivan and Susquehanna counties, members of the Pennsylvania Farm Bureau, local businesses and residents, many of whom have been affected and offered testimony regarding issues surrounding stream cleaning in the wake of recent flooding across Pennsylvania. As a result of this listening session, Sen. Yaw's office will be working directly with Secretary Michael Krancer of the state Department of Environmental Protection, as well as other state and local agencies, to address the current regulatory and permitting process. In addition, he and his staff will be working directly with the Pennsylvania Farm Bureau and its membership to tackle this issue head on. Podcast: [Sen. Yaw Discusses Need For Stream Cleaning, Maintenance](#). Testimony from the hearing and a video [are available online](#). Comments can be submitted through [Sen. Yaw's website](#).

PADEP Proposals Currently Open for Comment

Date Published In PA Bulletin	Proposal	Comment Deadline
1/21/2012	Nutrient Credit Trading Program, Notice of Certification Requests PA Bulletin Notice	2/20/2012
1/21/2012	Draft Technical Guidance: Policy for Erosion and Sediment Control (DEP ID: 550-2100-008) PA Bulletin Notice; Draft Technical Guidance	3/20/2012
1/21/2012	Draft Erosion and Sediment Control General Permit (ESCGP-2) PA Bulletin Notice ; Draft ESCGP-2 materials	3/20/2012
1/28/2012	Noncoal Mining Fees (25 PA Code Chapter 77) PA Bulletin Notice; Proposed Rulemaking Annex A (pdf)	2/27/2012
1/28/2012	Dam Safety and Waterway Management Fees (25 PA Code Chapter 105) PA Bulletin Notice	2/27/2012