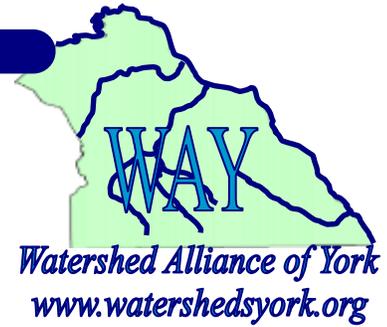


WAY E-NEWS

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



October 25, 2010

A PUBLIC-PRIVATE PARTNERSHIP

Volume 10, Issue 21

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- ABA & ALI Host Workshop, Clean Water Act: Law and Regulation – Nov 4-5
- TMDL 2010: WATERSHED MANAGEMENT TO IMPROVE WATER QUALITY – Nov 14-17
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- EPA Listening Sessions for Stakeholder Input on Chesapeake Bay Stormwater Rule – Nov 17
- The Maryland Water Monitoring Council will hold its 16th Annual Conference – Nov 18
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- Retention and Detention Systems – Dealing with stormwater onsite
- Monitoring systems that provide trend data to detect pollution early help prevent problems
- Pennsylvania MS4 Stormwater Management Tool
- EPA Issues Clean Water and Drinking Water Infrastructure Sustainability Policy
- New Conservation Fund "Freshwater Institute", Shepardstown, WV
- Match conservation and planning tools to your needs
- DEP eNOTICE - Regulation Update

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

FISHERIES – (800) 541-2050

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

GAME & WILDLIFE – (888) 742-8001

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

ILLEGAL DUMPING

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

- Illegal dumping York County 840-7687

MUNICIPAL (Phonebook Blue Pages)

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

NOXIOUS PLANTS – (717) 772-5209

RECYCLING – (717) 845-1066

WETLANDS – (717) 249-2522

Updated 8/17/2010

WATERSHED ALLIANCE NEWS

Ag Land Preservation Board of York County - www.york-county.org

<> 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

- Jan 10 - CCWA Meeting of Members and Board, 7:00 pm, at York Water Co. (Mt. Rose Ave.)

<> Contact: Jim Leaman at 843-2929

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

Conewago Canoe Club - www.conewagocanooclub.org

- Jan. 6 - Club Meeting - Mount Zion United Church of Christ, 7:00 pm, at Ridgewood Road in Pleasureville
- Red Lion High School Paddling Instruction Schedule online

<> Questions or comments e-mail me oc1mike@comcast.net, 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@iuno.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

Greater Hanover Alliance - pwingert@legacycaps.com

<> Contact: G. Paige Wingert, President, Greater Hanover Alliance, Inc., Hanover, PA 17331. Ph :(717) 630-0892.

Gunpowder Valley Conservancy - www.gunpowderfalls.org

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

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/

- Calendar of events 2010 - www.yorkchapter67iwla.org/id21.html
- Club Open Meetings are held the Third Tuesday of each month at 7pm in the Clubhouse.

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

Lower Susquehanna Riverkeeper - www.lowersusquehannariverkeeper.org

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

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

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

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

- Oct. 25 - 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](http://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](http://www.prettyboywatershed.org)

<> Contact: Nancy Shaper at nshaper@ihmi.edu

[Sierra Club - Gov. Pinchot Group of PA - http://pennsylvania.sierraclub.org/pinshot/](http://pennsylvania.sierraclub.org/pinshot/)

• New 2010 Meeting Location! Monthly meetings will be held the last Tuesday of the each month at 6:30 pm in the Community Room at the Giant at 2300 Linglestown Rd, Harrisburg, PA 17110. All members are welcome!

<> Kim Anderson at sgfornyc@aol.com.

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

<> Contact Rob & Lucy Woods at Spoutwood Farm at 717-235-6610 or spoutwood@comcast.net.

[Susquehanna Gateway Heritage Area - http://www.susquehannaheritage.org/](http://www.susquehannaheritage.org/)

- SGHA Lecture Series - We are pleased to kick off our new Susquehanna Heritage Lecture Series at the Zimmerman Center
 - November 10, 7pm - "A Blue Stone Mansion in the Midst of Archaeology & Ghosts" - a lecture on the history and archaeology of the Zimmerman Center, including private tour. Presented by Jan Klinedinst, site archaeologist.
 - December 1, 7pm - "Native American Rock Art on the Lower Susquehanna" - lecture and display of petroglyph casts, artifacts, and replicas. Presented by Paul Nevin, local petroglyph expert.

Questions? Please contact Marie Cartwright, Outreach & Communications Coordinator mcartwright@susquehannaheritage.org or 717-252-0229 ext. 4

<> 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](http://www.susquehannagreenway.org)

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

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

- Nov 19 - Monthly Chapter Meetings 2nd Wednesday, 7:00 p.m., at Sawmill pavilion (summer)

<> 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/](http://muddycreektu.org/)

- Nov. 17 - Chapter Meeting at Collinsville Fish & Game

<> Contact: Ron Heuston, President MCTU, 244-1851 or Heuy1955@aol.com

[Watershed Alliance of Adams County - http://www.adamswatersheds.org/](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](http://www.watershedsyork.org)

- Jan. 5 - Annual Meeting of WAY Board of Directors, 7:00 PM, at 324 W. Market St., York, PA.
- 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](http://www.ybwa.org)

<> Contact: John Eby, President, at john_eby@lower-allen.pa.us

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

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

[York Audubon Society - http://www.yorkaudubon.org/](http://www.yorkaudubon.org/)

- Saturday, October 30 - Annual YAS Bird Seed Pick-up at Brown's North in Emigsville.

<> Contact Tom Smith at 717-246-9767 or ts35@psu.edu.

[York County Conservation Alliance - www.yorkcountyconservationalliance.org](http://www.yorkcountyconservationalliance.org)

<> Contact: Jane Heller at info@yorkcountyconservationalliance.org or 717-845-3797, or mail to YCCA - 543 Dupont Ave, York, Pa. 17403

York County Conservation District – www.yorkccd.org

- Board meets 2nd Friday, 11:30 a.m. (December-March) and 2nd Thursday, 7:00 p.m. (Apr.-Nov.), at the York County ANNEX
 - Wonderful opportunity for everyone to consider as an Envirothon contribution. We offer original artwork each year as a gift to anyone contributing at the \$250.00 level and above during the Envirothon Sponsor Drive. For the first time this year, artist Millicent Neill Decker, is allowing the District to directly offer her limited edition print, Persimmon Buck, at its normal retail price of \$90.00. That means that the Envirothon receives half of every print sold! This is another way for the Envirothon to raise money and perhaps brings the gift of artwork to someone who cannot afford to make a \$250.00 donation (like most of us). Please look over the attached order form. If you or anyone you know is interested in this beautiful piece of artwork - painted especially for this year's Envirothon - please pass the information on. It would make a lovely holiday gift and help the Envirothon as well. If you have any questions about the piece, just contact Kim J Young, Education & Communication Coordinator, York County Conservation District, 118 Pleasant Acres Road, York PA 17402. kyoung@yorkccd.org / 717-840-7190.
 - Rain barrels for sale! Visit our website for more information and prices.
- <> Contact: YCCD at 717-840-7430 or yorkccd@yorkccd.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

Too Much of a Good Thing: Human Activities Overload Ecosystems with Nitrogen

Resulting ecological damage is serious, but could be reduced by wider use of more sustainable, time-honored practices. Humans are overloading ecosystems with nitrogen through the burning of fossil fuels and an increase in nitrogen-producing industrial and agricultural activities, according to a new study. While nitrogen is an element that is essential to life, it is an environmental scourge at high levels. According to the study, excess nitrogen that is contributed by human activities pollutes fresh waters and coastal zones, and may contribute to climate change. Nevertheless, such ecological damage could be reduced by the adoption of time-honored sustainable practices. Appearing in the October 8, 2010 edition of Science and conducted by an international team of researchers, the study was partially funded by the National Science Foundation. Learn more...

http://www.nsf.gov/news/news_summ.jsp?cntn_id=117744&WT.mc_id=USNSF_51&WT.mc_ev=click

Alarming Increase in Flow of Water Into Oceans Due to Global Warming, Accelerated Cycle of Evaporation, Precipitation

ScienceDaily (Oct. 5, 2010) — Freshwater is flowing into Earth's oceans in greater amounts every year, a team of researchers has found, thanks to more frequent and extreme storms linked to global warming. All told, 18 percent more water fed into the world's oceans from rivers and melting polar ice sheets in 2006 than in 1994, with an average annual rise of 1.5 percent. "That might not sound like much -- 1.5 percent a year -- but after a few decades, it's huge," said Jay Famiglietti, UC Irvine Earth system science professor and principal investigator on the study, which will be published this week in Proceedings of the National Academy of Sciences. He noted that while freshwater is essential to humans and ecosystems, the rain is falling in all the wrong places, for all the wrong reasons. Learn more...

<http://www.sciencedaily.com/releases/2010/10/101004151700.htm>

A River Ran Through It

Rivers and streams supply the lifeblood to ecosystems across the globe, providing water for drinking and irrigation for humans as well as a wide array of life forms from single-celled organisms up to the fish humans eat. But humans and nature itself are making it tough on rivers to continue in their central role to support fish species, according to new research by a team of scientists including John Sabo, a biologist at Arizona State University. Globally, rivers and streams are being drained due to human use and climate change. These and other human impacts alter the natural variability of river flows. Some affected rivers have dried and no longer run, while others have seen increases in the variability of flows due to storm floods. The result is that humans and nature are conspiring to shorten food chains, particularly by eliminating top predators like many large-bodied fish. Learn more...

http://www.nsf.gov/news/news_summ.jsp?cntn_id=117867&WT.mc_id=USNSF_51&WT.mc_ev=click

Wind Shift Over Bay Impacts Water Quality

Scientists recently discovered that wind patterns over the Chesapeake Bay have undergone a historic shift. And this change in average wind direction has had a surprising impact on water quality. Read on... http://cbf.typepad.com/bay_daily/2010/05/as-the-sun-set-over-annapolis-harbor-on-a-recent-evening-eighty-sailboats-with-golden-and-white-sails-slashed-back-and-for.html

'We're For Water' Campaign Promotes Water Conservation

WaterSense, a U.S. Environmental Protection Agency partnership program for water conservation, ensures that WaterSense-labeled products meet EPA criteria for water usage. The partnership is sponsoring a "We're for Water" campaign, asking citizens to take the "I'm for Water" pledge that includes the promise to change water usage behaviors and conserve water whenever possible.

For more information: WaterSense – Water Conservation Campaign <http://www.epa.gov/watersense/wereforwater/>

Audubon PA Creates Bird Habitat Recognition Program

Any property can be valuable habitat and contribute to bird conservation. Homeowners, schools and businesses are invited to participate in the Pennsylvania Audubon Bird Habitat Recognition Program. To be eligible, the program recommends installing native plants to provide birds with food, cover and nesting sites, then adding key elements such as water. Registrants receive a sign to show their participation in the program. For more information: PA Audubon – Bird Habitat Recognition <http://pa.audubon.org/habitat/index.html>

PA Department Of Education Launches Pathways To Green Schools Initiative

The administration launched a new [Pathways to Green Schools](http://www.pathwaystogreenschools.org/) website designed to provide school districts with helpful information in one location. The coordinated effort will include the latest information on state programs and grants available, and offer an opportunity to share best practices from districts around the state -- where schools and communities are making investments that help conserve natural resources and reduce energy costs. The site also offers information on nutrition education programs and school gardens. For more information, visit the Pathways to Green Schools website <http://www.pathwaystogreenschools.org/>.

Preview New World-Class Bay Photographs

CBF has partnered with the International League of Conservation Photographers (iLCP) to document the Bay and its watershed like you've never seen it before. View our photo gallery: <http://www.cbf.org/Page.aspx?pid=2040&srctid=1&erid=4413654>

"Finding My Forest" Connects Kids to the Outdoors

"Finding My Forest" interdisciplinary lessons allow teachers and outdoor educators to connect with students' diverse learning styles. Designed for grades three-eight, the curriculum helps makes natural spaces, from the schoolyard outside, to public forests around the country, more relevant to students. The site offers simple ways to create a classroom blog and link it to the iForest Network Google Map, which connects participating classrooms from across the nation. The site also includes tools and resources from partner organizations. "Finding my Forest" is part of a USDA Forest Service and AdCouncil campaign aimed at connecting kids and parents with nature. The free forest conservation curriculum is available at: www.findingmyforest.org. For more information about the campaign and other resources, visit: www.DiscoverTheForest.org. Additional conservation education resources from the USDA Forest Service can be found at: www.na.fs.fed.us/coned/.

Help us plant the 4th WITF Woodland!

Your partnership with WITF and the Department of Conservation and Natural Resources (DCNR) has already enabled three woodland areas to be created across central PA. Now you can make a contribution and help us plant the 4th WITF Woodland, in York near Willis Run (in Noonan Park). For your contribution of \$75, we'll plant a tree in the York Woodland, and we'll send you a certificate to commemorate the planting. <http://www.witf.org/support-witf/pledge-offers/5234-plant-a-tree-and-grow-the-witf-woodland>

Compost Fallen Leaves

Instead of spending painstaking hours raking, blowing and bagging fallen leaves, try composting them instead. Making mulch from fallen leaves helps reduce polluted runoff, naturally fertilizes your lawn, and prevents bags of leaves from filling up local landfills. Learn More: What You Can Do <http://www.chesapeakebay.net/inyourbackyard.aspx?menuitem=16888#compostleaves>

Tips to have a green Halloween

Like many of our holidays, Halloween can be an expensive and wasteful experience. Don't let the commercialism take all the fun or eco-friendly opportunities out of it! Check out our simple tips to make sure you don't spook Mother Nature this October. Want more ideas? Visit our friends at [Green Halloween@](http://www.greenhalloween.org), a nonprofit community initiative aimed at creating healthier and more Earth-friendly holidays.

- **Green Halloween Costumes** – Consider reusing or recycling costumes from previous years to make new costumes, or recycling old clothing into new costumes. Before you set out your paper recycling, set aside cardboard boxes and large pieces of paper that you can use to fashion costumes. Instructions for great handmade costumes can be found at places like [craftzine](http://www.craftzine.com) and [The Daily Green](http://www.thedailygreen.com), and from EarthShare member charity, [Center for a New American Dream](http://www.centerforanewamericandream.org). This Halloween, make a green Halloween costume box and throw old clothes, interesting props and other recyclable materials into it throughout the year. By next Halloween, you'll have lots of eco-friendly materials to make into new costume ideas.
- **Green Halloween Treats** – Instead of giving out high-sugar candy, consider giving pennies for UNICEF, pencils, erasers, or temporary tattoos. Besides reducing the waste of all the single-serving packaging, you'll be providing a healthy alternative to candy. If your kids won't let you give up food treats, consider small boxes of raisins which have recyclable paper packaging. These days, trick-or-treaters are hauling home more candy than ever before. Know how much? Take our latest [Halloween Green Quiz Challenge!](http://www.greenhalloween.org)
- **Green Halloween Decorations** – Halloween decorations can be natural and non-commercial, with gourds, pumpkins and Jack-o-Lanterns! Lower your emissions on Halloween by buying locally grown pumpkins, and then lower your waste by composting them after Halloween is over. Use recycled paper to make window decorations, and then send them on for another round of recycling after the holiday. Paper grocery bags can be cut and molded into spooky Halloween trees, masks, and painted white for ghostly effects.
- **Green Halloween Trick-or-Treating** – Send your children trick-or-treating with reusable buckets, canvas bags or pillow cases. Lower emissions by trick-or-treating in your neighborhood and get to know your neighbors better by inviting them over for an old fashioned bobbing-for-apples competition at your house.
- **Green Halloween Party** – Send electronic invitations instead of paper to lower waste. Instead of using plastic plates, cups and utensils, compostable silverware and party plates are now widely available. Go to your neighborhood Goodwill and purchase a pile of mismatched cloth napkins and then have guests toss them in a bin for washing and reusing at your next party. Be sure to recycle bottles and cans, and compost leftovers.
- **Green Halloween Cleanup** – Once Halloween is over, recycle your pumpkins, the straw you used to build scarecrows and any other organic material by composting it. For inedible items, add them to your composting pile ([or start composting now!](http://www.greenhalloween.org)) for great, nutrient rich soil in the spring.

PPL Brunner Island Preserve Fall 2010 Environmental Programs

DATE	PROGRAM	LOCATION*	TIME
Sat., Nov. 20	Nature Walk and Animal Tracking	BIW	10-11:30 a.m.
Wed., Dec. 8	Ice Farming the Susquehanna River	CR**	7-8 p.m.

Note: Advance registration is required for all programs at Brunner Island Power Plant because of security requirements. **

Location Code: **BI- Brunner Island Power Plant **CR – Brunner Island Power Plant Main Conference Room, Gate A BIW– Brunner Island Wetlands

PPL Holtwood Preserve Fall 2010 Environmental Programs

DATE	PROGRAM	LOCATION*	TIME
Wed., Nov. 3	Canals & Canal Life	HEC	6:30-8 p.m.
Sat., Nov. 6	Lock 12 Historical Walk	L12	1-2:30 p.m.
Sat., Dec. 4	Bluebird Box Trail Maintenance	HEC	2-3 p.m.

* Location Code: HEC – Holtwood Environmental Center L12 – Lock 12 Historical Area C – Conestoga

For more information, please visit www.pplpreserves.com, Call 1-800-354-8383 or e-mail pplpreserves@pplweb.com. For current river conditions, call the Lower Susquehanna Hot Line at 1-800-692-6328.



WATERSHED FINANCIAL ASSISTANCE

DEP Advantage Grant Program for Small Businesses Looking to Increase Profitability by Reducing Energy Costs and Pollution – Nov 5

HARRISBURG – Small-business owners in Pennsylvania seeking to improve energy efficiency to save money and prevent pollution can apply for a Small Business Advantage Grant through the Department of Environmental Protection. Businesses can apply for 50-percent matching grants of up to \$7,500 to adopt or acquire energy efficient or pollution-prevention equipment or processes. Applicants must be a for-profit corporation, LLC, partnership, sole proprietorship or other legal entity with 100 or fewer full-time employees. The grant-supported project must be located within a Pennsylvania facility owned by the applicant and save the business at least 10 percent annually in energy or pollution-related expenses. Applicants may be manufacturers, retailers, service providers, mining operators or agricultural businesses. Examples of eligible projects include HVAC and boiler upgrades, high-efficiency lighting, solvent recovery systems, waste recycling systems and auxiliary power units deployed as anti-idling technology for trucks. Nov. 5 is the application deadline. Faxes and electronic submissions will not be accepted. Eligible applications will be approved on a first-come, first-served basis until funds are exhausted. The application package, including guidance, instructions and application form, is available at www.depweb.state.pa.us, keyword: Small Business Advantage, or by calling 717-783-8411. Applications must be mailed or hand-delivered to the Department of Environmental Protection, Office of Energy and Technology Deployment, Rachel Carson State Office Building, 400 Market St., P.O. Box 8772, Harrisburg, PA 17105-8772. ATTN: Small Business Advantage. For questions or concerns regarding project eligibility, contact the Office of Energy and Technology Deployment, Small Business Ombudsman's Office at 717-783-8411 or at epadvantagegrant@state.pa.us before submitting an application.

USDA Funding to Expand School Community Gardens – Nov 8

U.S. Department of Agriculture funding will establish a People's Garden School Pilot Program to develop and run community gardens at eligible high-poverty schools. Proposed projects must teach students involved in the gardens about agriculture production practices, diet, and nutrition; learning outcomes must be evaluated. To be eligible, schools must have 50 percent or more students qualifying for free or reduced-price school meals. The grant is available to public and not-for-profit organizations; deadline for applications is Nov. 8. For more information: People's Garden School Pilot Program <http://www.fns.usda.gov/fns/outreach/grants/garden.htm>

Chesapeake Bay Trust's Arthur Dorman Scholarship accepting applications – Nov 22

The Chesapeake Bay Trust's Arthur Dorman Scholarship - Awarding a \$5,000 scholarship to an outstanding minority student in Maryland. Each year the Chesapeake Bay Trust awards its Arthur Dorman Scholarship to a Maryland high school or college student who shows an exemplary commitment to improving the environment of the Chesapeake Bay watershed. Dorman Scholars are minority students who also exhibit leadership in promoting diversity, inclusion, and tolerance for individuals of all backgrounds. The winner of this \$5,000 scholarship will be announced during the Trust's Legislative Reception in Annapolis in January. Teachers, community leaders, and organizational partners are asked to identify eligible candidates and encourage them to apply. For the complete eligibility requirements and additional information, please visit www.cbtrust.org. The deadline to apply is Monday, November 22, 2010 and all applications are to be submitted online. If you have any questions about this scholarship or the Trust's complete awards program, please contact Molly Alton Mullins directly at 410-974-2941, Ext 107.

Project Learning Tree 'GreenWorks' Pollinator Garden Grants – Dec 1

"GreenWorks" grants connect Project Learning Tree educators and their students with their local communities in "learning-by-doing" environmental projects. Project Learning Tree and the U.S. Department of Agriculture Forest Service are offering grants to teachers and students participating in PollinatorLIVE. Participating teachers can apply for "GreenWorks" funding to create pollinator gardens in their schoolyard or community. Maximum grant amount is \$1,000; the deadline is Dec. 1. For more information: PLT – Pollinator Garden Grants http://www.plt.org/cms/pages/21_22_274.html

Conservation Fund Grant Proposals – Dec. 1

The SeaWorld and Busch Gardens Conservation Fund is a nonprofit foundation created to support wildlife conservation, research and education. The fund is accepting online applications from nonprofit organizations, governmental entities, universities, research centers and institutions accredited by the Association of Zoos and Aquariums or the Alliance of Marine Mammal Parks and Aquariums. Grant applications are due Dec. 1. <http://www.swbg-conservationfund.org/grantInfoA.htm>

Coldwater Heritage Partnership Now Accepting Grant Applications – Dec 17

The Coldwater Heritage Partnership this week announced the opening of the Coldwater Conservation Grants Program to protect and conserve the health of Pennsylvania's coldwater ecosystems. The deadline for applications is December 17. Two grant programs are available:

- Coldwater Conservation Planning Grants: These grants are designed to help develop conservation plans that identify the values and threats to the health of our coldwater ecosystems that have naturally reproducing trout. The collected information can be used as a catalyst for more comprehensive planning or for development of watershed improvements projects. The partnership will award grants averaging approximately \$6,000 to organizations to outline strategies that best conserve and protect our coldwater fisheries. Additional details can be found in the attached grant application.
- Coldwater Conservation Implementation Grants: These grants are designed to help implement the numerous projects identified in completed Coldwater Conservation Plans. Since 2003, sixty five Coldwater Conservation Plans have been funded. Many have identified important projects that will protect and conserve coldwater ecosystems. Projects funded under this category must be identified in an already completed Coldwater Conservation Plan, and must enhance, conserve or protect the coldwater stream for which the plan was completed. The partnership will award grants averaging approximately \$7,000. Additional details about types of projects can be found in the attached grant application.

The CHP is a cooperative effort of Pennsylvania Council of Trout Unlimited, the Department of Conservation and Natural Resources, the Fish and Boat Commission and the Foundation for Pennsylvania Watersheds. Applications, guidelines and more information are available at the Coldwater Heritage Partnership website or by contacting PATU Coldwater Resource Specialist Deborah Nardone at 814-359-5233 or by sending email to: c-dnardone@state.pa.us.

Environmental Education Grant Applications Now Being Accepted By DEP – Dec 17

Applications for the 2011 [Environmental Education Grants Program](#) are now available by the Department of Environmental Protection. The deadline for applications is December 17. The grants of up to \$7,500 provide funding to schools, universities, intermediate units, environmental education centers, county conservation districts, incorporated nonprofit organizations and associations and businesses to create or develop projects that support environmental education in the Commonwealth. Grants will provide environmental education on timely and critically important topics, including the following:

- Sustainable Energy Sources and Technologies including solar, wind, hydro, microhydro, biomass, geothermal, alternative transportation fuels and energy efficiency and conservation;
- Carbon Capture and Storage/Climate Change including terrestrial sequestration and other related issues;
- Air Quality including ground level ozone, transportation and electric generation issues;
- Watersheds and wetlands focusing on abating abandoned mine drainage, reducing non-point source pollution and enhancing water conservation; and
- Chesapeake Bay Watershed Education with a focus on nutrient and sediment loads, point and non-point source pollution reduction.

The Environmental Education Grants Program was established by the Environmental Education Act of 1993, which mandates setting aside 5 percent of the pollution fines and penalties collected annually by the Department for environmental education in this Commonwealth. Applications [are available online](#) or by contacting DEP's Environmental Education Grants Program, P.O. Box 2063, Harrisburg, PA 17105-2063 or calling 717-772-1828.

The Cora L. Brooks Foundation announces the availability of 2011 grants for watershed projects – Jan 10

The Foundation provides annual, anonymous grants for the purpose of environmental conservation, restoration or education within the watersheds of the Delaware and Susquehanna Rivers, with particular emphasis on environmental protection issues relating to clean water and water related ecologies. Grant amounts range from \$1,000-\$15,000 and may be used for a variety of purposes including the need for matching funds. To apply for a grant, the organization must contact the Foundation no later than December 20 to request an application package. The grant application itself is then due on January 10. Grant notifications and awards are mailed in late May, 2011. For further information, please consult our website www.foundationoffices.org (please forgive the out-of-date deadlines, the site is being updated,) call 610-954-7737, or email Laura Kaplus, lhk01@foundationoffices.org.

NRCS Extends CSP Sign-Up – Jan 17

Last week, Natural Resources Conservation Service (NRCS) Chief Dave White announced the application deadline for the Conservation Stewardship Program (CSP) has been extended to January 7, 2011. This program was authorized in the 2008 Farm Bill and offers payments to producers who maintain a high level of conservation on their land and agree to adopt higher levels of stewardship. CSP is offered in all 50 states, District of Columbia, and Pacific and Caribbean areas. According to Chief White, the extension will hopefully allow more producers to participate in the program. CSP provides conservation improvements, including water and soil quality, wildlife habitat enhancement and the adoption of conservation activities addressing climate change. Eligible land includes cropland, pastureland, rangeland, and nonindustrial forestland. All eligible producers are encouraged to apply. For more information on CSP, click here http://www.nrcs.usda.gov/programs/new_csp/csp.html.



WATERSHED FACILITATION ASSISTANCE

Attorney General Gansler to Visit the Gunpowder River – Visit Will Be the Third Stop of 2010 River Audit – Oct 27

BALTIMORE, MD (October 14, 2010) - Attorney General Douglas F. Gansler will visit the Gunpowder River on Wednesday, October 27, 2010, the third stop of his 2010 audit of the Chesapeake Bay and its tributaries. Since beginning his statewide tour and audit of the Chesapeake Bay and its tributaries in April 2008, the Attorney General has visited 10 Maryland rivers. Attorney General Gansler will spend the day in Towson, Timonium and at Goucher College in Baltimore County with a visit to Dulaney High School to hear firsthand from local environmental leaders, residents, students, faculty members, and elected officials about the challenges facing the Gunpowder River. The information gathered during the audits of individual rivers provides valuable information in identifying polluters and the unique challenges facing the particular river. This information is essential in the Attorney General's efforts to enforce the state's environmental laws and assists in designing creative solutions to environmental issues. As part of the Audit, Attorney General Gansler will visit several sites along the Gunpowder River and its tributaries including a visit to Loch Raven Reservoir and will receive briefings on the rich history, progress and current challenges facing the river. The Gunpowder River Audit visit will conclude with a Town Hall Meeting at Goucher College at 4:30 p.m. in the Batza Room on

the 4th floor of the Athenaeum, 1021 Dulaney Valley Road in Towson. The Town Hall meeting is an opportunity for citizens to share their concerns about the health of the Gunpowder River and any other environmental issues in the community.

ABA & ALI Host Workshop, Clean Water Act: Law and Regulation – Nov 4-5

The course, comprising 12 full hours of instruction, updates experienced attorneys and related professionals and provides general practitioners with a framework for understanding the law and counseling clients in a complex area. This year's course pays special attention to oil spill responses in light of the Deepwater Horizon disaster. Climate change issues, particularly adaptation and energy, are also examined. Other areas of focus include wetlands updates, publicly owned treatment works (POTWs), federal and state enforcement, green infrastructure, recent legislative developments, and EPA's new sanitary sewer overflow policy. Additional information is available at: http://www.ali-aba.org/index.cfm?fuseaction=courses.course&course_code=CS005.

TMDL 2010: WATERSHED MANAGEMENT TO IMPROVE WATER QUALITY – Nov 14-17

November 14-17, 2010, Hyatt Regency Baltimore on the Inner Harbor, Baltimore, Maryland USA.
<http://www.asabe.org/meetings/tmdl2010/index.htm>

CAFO Conference To Educate on Confined Animal Feeding Operations – Nov 6

November 6, 2010, 12 – 5 PM, York JCC, 2000 Hollywood Drive, York, PA 17403.

Join us for an in-depth examination of factory farms, economics, community impacts, food safety and the importance of building sustainable local socially responsible agriculture. We will also examine the potential impacts of sewage sludge and natural gas fracking fluid on our farmland. How does this affect our food supply, environment and our farmers? Speakers will give presentations on food safety, community health, the importance of our local family farmers, water quality and protections for communities. We will also introduce the Renewable Harvest Mobile Processing Unit for our independent small family farmers. Guest Speakers

- Dr. William Weida: President of Socially Responsible Agriculture Project, retired professor of economics and business. Presentation on Economic Impact of Factory Farms
- Terry Spence: Second-generation family farmer in northeast Missouri. Presentation on Food Safety and the Renewable Harvest Mobile Processing Unit.
- Jillian Fry: Johns Hopkins Bloomberg School of Public Health. Presentation on Environmental Public Health Implications of Industrial Food Animal Productions.
- Kathy Martin: Environmental Specialist. Presentation on Potential impacts of Natural Gas Fracking
- Mike Helfrich: Lower Susquehanna River Keeper: Presentation on Water Quality – Gender Bending

Sponsored by Peach Bottom Concerned Citizens Group, this conference is to educate the public on CAFO's, the system of industrialized food production also known as factory farming. Call Maria to reserve a space. Phone: 717-456-5800 or pavans@zoominternet.net.

EPA to Hold Listening Sessions and Gather Stakeholder Input on Potential Chesapeake Bay Stormwater Rule – Nov 17

The U.S. Environmental Protection Agency (EPA) will hold five listening sessions and one webcast on potential Chesapeake Bay watershed-related requirements in the national stormwater rule to strengthen the stormwater regulations and to establish a program to reduce the impact of stormwater discharges from new development and redevelopment. As part of the listening sessions, EPA will also address environmental justice considerations and potential impacts that may arise as a consequence of the Chesapeake Bay watershed provisions under consideration in the new rulemaking. The sessions will be held:

- November 17, 2010, 2:00 p.m. to 5:00 p.m. for the listening session and 6:30 p.m. to 8:30 p.m. for the environmental justice discussion at Forum Building, 5th & Walnut Harrisburg, PA.
- Webcast: November 16, 2010, 1:00 p.m. to 4:00 p.m. EST, Visit: <http://www.epa.gov/npdes/stormwater/rulemaking> to register to participate in the Webcast.

The public can register by going to the website below. EPA will also accept written comments on the potential rule until 60 days after publication in the Federal Register. More information on listening sessions and the potential rule and to view the Federal Register notice: <http://www.epa.gov/npdes/stormwater/rulemaking>.

The Maryland Water Monitoring Council will hold its 16th Annual Conference – Nov 18

The Maryland Water Monitoring Council will hold its 16th Annual Conference on Thursday, November 18, 2010 at the Maritime Institute in North Linthicum, MD. http://mddnr.chesapeakebay.net/MWMC/index_files/annual_conference.htm

PA Trout Unlimited Rivers Conservation Course – Mar 20-23

[PA Trout Unlimited](#) and the [PA Fly Fishing Museum](#) will host Rivers Conservation Course March 20-23, 2011 to provide participants with a great opportunity to experience early season Limestone Stream Angling as well as learn the science behind the fishing and protecting our water resources. Speakers scheduled to appear include:

- John Arway, Executive Director of the Fish and Boat Commission will give the keynote address;
- Ed Jaworowski will provide a perspective on the Pennsylvania Fly Fishing Museum;
- Ed Shenk will be the guest of the Sunday evening Meet and Greet Session sponsored by Troegs' Brewing;
- Barry Sheetz, Ph. D., P.E., P.G. Geology and Materials Sciences Professor at Penn State will teach Basic Geology;
- Greg Hoover, Ph. D, Entomology Professor at Penn State will teach Aquatic Entomology;
- Dan Hill, Esq. formerly of Congresswoman Dalkemper's staff and former Game Commissioner will speak on The Politics of Water;
- Debra Bowman of the Central Pennsylvania Conservancy will discuss Water Issues on Your Local Level;
- Chris Wood, Executive Director of Trout Unlimited will provide TU's perspective; and
- Rod Cross will provide an introduction to the Yellow Breeches and the Cumberland Valley with his presentation, Stream Etiquette - The First Step to World Peace.
- Dave Rothstock will provide his presentation called Bugs and Their Imitations as well as helping people with their casting.

There is a fly tying session that is geared to handle everyone from beginners to experts. And each afternoon is set aside for the attendees to fish in the world famous Allenberry stretch of the Yellow Breeches or any of the other famous waters such as the heritage sections of the

Letort or Big Spring. Local anglers will be available to provide assistance for people who are unfamiliar with the area and a list of local guides can be provided for those who want more personalized individual instruction. The private guides will be available at an additional cost.



WATERSHED TECHNICAL ASSISTANCE

SRBC. Partners Issue First State Of Susquehanna River Report

This week at the Susquehanna Symposium at Bucknell University, Lewisburg, the Susquehanna River Basin Commission and partners released the first-ever [State of the Susquehanna report](#). The 2010 report covers the threats, opportunities, partnerships and successes in seven key areas influencing the Susquehanna River Basin's water resource needs and conditions today. The 2010 report is comprised of two main components, a publication that provides a snapshot of seven indicators, and the web site that includes additional data, maps, information and feature stories submitted by a host of renowned scientists and authors who tell their part of the story of the Susquehanna basin. The seven indicators are: Water Use and Development; Floods and Droughts; Stormwater; Abandoned Mine Drainage; Sediment and Nutrients; Human Health and Drinking Water Protection; and Habitat and Aquatic Resources. The 2010 report also highlights how the seven indicators in the Susquehanna watershed relate to the Chesapeake Bay. SRBC's project partners are the U.S. Environmental Protection Agency Region 3, which also funded the project, Bucknell University and the Susquehanna River Heartland Coalition for Environmental Studies. The 2010 State of the Susquehanna indicators:

- Water Use and Development (indicator #1) draws attention to the fact that the Susquehanna basin is rich in energy resources and that increased activity in the energy sector is driving new water use, including from new and upgraded coal-fired plants and nuclear power plants to drilling for natural gas.
- Floods and Droughts (indicator #2) points to the Susquehanna basin as being among the most flood-prone in the nation and showcases the nearly 25-year partnership that has successfully maintained and operated the Susquehanna Flood Forecast and Warning System.
- Stormwater (indicator #3) includes data showing the increase of stormwater runoff in the basin. Between 1990 and 2000, there was a 40 percent increase in impervious surfaces, while overall population in the basin in that same period grew by less than 8 percent. There are also data on projected urban development pressure in the Susquehanna basin.
- Abandoned Mine Drainage (indicator #4) describes this pollution source as the second largest and the most severe contributor to stream impairment – about 1,940 stream miles – in the basin. The indicator also showcases the Bear Run remediation project in Indiana County, Pa., as one of the several success stories within the 2010 State of the Susquehanna report.
- Sediment and Nutrients (indicator #5) identifies these two pollutants as the largest contributors to stream impairment – about 3,800 stream miles – in the basin, and describes the sources as varied as they are widespread, including from atmospheric deposition, fertilizer treatments on suburban lawns to impacts related to animal grazing.
- Human Health and Drinking Water Protection (indicator #6) identifies the major threats to the protection of human health and drinking water, including about 15 percent of the basin's waters being listed as impaired, that fish consumption advisories are in place throughout the basin and that of the thousands of potential contaminants existing in the environment only about 90 are regulated through federal or state drinking water standards.
- Habitat and Aquatic Resources (indicator #7) lists the many benefits of healthy aquatic ecosystems including recreation activities such as hunting, fishing, trapping, nature study, wildlife photography, bird watching and eco-tourism. The indicator also identifies the sources of pollution that threaten the basin's aquatic resources and habitat, including nutrient runoff, abandoned mine drainage and discharges, habitat encroachment, invasive species and changes to land use.

In addition to the details of the seven indicators, the 2010 report contains the criteria that were used to establish the indicators, has interesting factoids throughout, focuses on success stories and partnerships and includes an array of feature stories ranging from cumulative impact of water use and development, impact of mercury on human health to invasive aquatic organism. A copy of the complete report is available online. <http://www.srbcc.net/stateofsusq/index.htm>

New Analysis Shows Long-term Changes in Nutrient Pollution from Rivers to the Chesapeake Bay

September 2010 – The U.S. Geological Survey (USGS) has developed a new method for tracking progress toward reducing [nitrogen](#) and [phosphorus](#) pollution from the streams and rivers that flow to the Chesapeake Bay. The new analysis reveals mixed news about progress toward reducing [nutrients](#) over the past 31 years, particularly during the last decade. Since 2000, nitrogen has been decreasing in the Susquehanna and Potomac rivers, while levels are nearly unchanged in the James and Rappahannock rivers. During the same period, phosphorus levels changed minimally in the Susquehanna, while there were moderate decreases in the Potomac and measurable increases and the James and Rappahannock. Read more... http://www.chesapeakebay.net/news_usgsriverflow10.aspx?menuitem=53433

Fish Near Coal-Fired Power Plants Have Lower Levels of Mercury

ScienceDaily (Oct. 7, 2010) – A new study from North Carolina State University finds that fish located near coal-fired power plants have lower levels of mercury than fish that live much further away. The surprising finding appears to be linked to high levels of another chemical, selenium, found near such facilities, which unfortunately poses problems of its own. The findings are surprising because coal-fired power plants are the leading source of mercury air emissions globally, and a significant amount of that mercury is expected to settle out of the air within 10 km of a plant's smokestacks. Mercury is a bioaccumulative toxin that builds up in animal tissues – including fish – and can pose public health problems related to fish consumption. Read article... <http://www.sciencedaily.com/releases/2010/10/101006085228.htm>

Retention and Detention Systems – Dealing with stormwater onsite

The need to detain and retain stormwater in limited spaces has been stimulating manufacturers and designers to come up with a remarkable variety of products and increasingly creative ways to use them. These include underground boxes and chambers, usually of concrete or some form of synthetic, in all kinds of sizes and configurations. Whether the project is a large site, such as a school or apartment complex, or a small one, such as two homes unfortunate enough to be in the path of sediment-laden stormwater, the goal is the same: to slow the stormwater down and allow it to either infiltrate into the ground or flow at a controlled rate into a storm sewer system. Because sediment

settles in this slow-moving water, these systems have the added benefit of removing trash and some pollutants before the water is released. Read article... <http://www.stormh2o.com/october-2010/retention-detention-systems.aspx>

Monitoring systems that provide trend data to detect pollution early and help prevent major problems.

An often-overlooked nonpoint source of stormwater pollution is roadside ditches. They can collect a wide range of pollutants from fecal coliform bacteria to petroleum hydrocarbons to heavy metals from roads, parking lots, and construction sites and transfer them to watersheds. The King County, WA, Department of Transportation Roads Maintenance Section is experimenting with stormwater treatment best management practices in these ditches and needs to continuously monitor flows through the ditches to determine which best management practices (BMPs) are most effective. Roadside ditches have dynamic impacts on stormwater pollution levels; in that respect, they are no different from many nonpoint pollution sources. And as with many nonpoint sources, they warrant monitoring and/or sampling so that stormwater management authorities can keep up with rapidly changing conditions and keep emerging problems from developing into catastrophic ones. The example from Washington is just one of how stormwater management authorities are successfully meeting this challenge through the use of intelligent data-collection systems and data analysis. Read article... <http://www.stormh2o.com/october-2010/stormwater-quality-sentries.aspx>

Pennsylvania MS4 Stormwater Management Tool

The Pennsylvania Environmental Council and Stormwater PA are providing a new online system, the PA MS4Web™ Permit Manager Software, to assist municipalities with improving their stormwater management programs. It is currently being piloted in 7 municipalities within southeastern Pennsylvania. The software will assist with the development of the SWMP, schedule and track implementation activities, and produce annual reports. For more information, visit <http://www.stormwaterpa.org/ms4web-permit-manager.html>.

EPA Issues Clean Water and Drinking Water Infrastructure Sustainability Policy

The U.S. Environmental Protection Agency (EPA) has issued a Clean Water and Drinking Water Infrastructure Sustainability Policy with the goal of increasing the sustainability of water and wastewater infrastructure in the United States. Communities across the country are facing challenges in making costly upgrades and repairs to their aging water infrastructure, which include sewer systems and treatment facilities. Making this infrastructure last longer while increasing its cost-effectiveness is essential to protecting human health and the environment, and maintaining safe drinking water and clean water bodies. The new policy is part of EPA Administrator Lisa P. Jackson's priority to protect America's waters. The policy emphasizes the need to build on existing efforts to promote sustainable water infrastructure. The policy also focuses on working with states and water systems to employ comprehensive planning processes that result in projects that are cost effective over their life cycle, resource efficient, and consistent with community sustainability goals. The policy encourages effective utility management practices to build and maintain the level of technical, financial, and managerial capacity necessary to ensure long-term sustainability. The policy represents a collaborative effort between EPA and its federal, state, and local partners. Working with these partners, EPA will develop guidance, provide technical assistance, and target federal, state and other relevant federal financial assistance in support of increasing the sustainability of America's water infrastructure. More information: <http://water.epa.gov/infrastructure/sustain/Clean-Water-and-Drinking-Water-Infrastructure-Sustainability-Policy.cfm>

New Conservation Fund "Freshwater Institute", Shepardstown, WV

Recognizing the value of clean water resources, the Freshwater Institute works with government, industry, nonprofits and individuals to shape sustainable, environmentally responsible solutions to water resource management. Utilizing a variety of approaches, our work can be categorized into three broad areas:

- **Applied Science**: finding answers through the spirit of research, experimentation, and discovery.
- **Conservation Engineering**: applying engineering and conservation principles to implement practical solutions.
- **Training and Education**: sharing knowledge with present generations so that they may leave a positive legacy for those in the future.

Match conservation and planning tools to your needs

Pennsylvania Land Trust Association has created a great new conservation tool. Find summary and in-depth guidance on [42 topics](#). Browse hundreds of library items. Find experts (with references) and organizations who can help. If you are particularly experienced, make yourself known by listing yourself as an expert. If you are with a conservation organization, help people find good information about the organization by updating or creating a listing at Conservation Organizations. ConservationTools.org's content, much of it unavailable anywhere else, will continue to expand through 2010 and 2011. Thanks go to those who contributed their expertise and written words to build www.ConservationTools.org. The site welcomes additional partners who can help the site grow in its usefulness. You can contribute a new library item, event announcement, glossary entry, or tool/topic at any time. You can also suggest ways to improve the site. If you wish to submit complex content, contact Nicole Faraguna for help at nfaraguna@conserveland.org.

DEP eNOTICE - Regulation Update

On 10/12/2010, the EQB took the noted actions on the following final regulations:

- Dam Safety and Waterway Management – Approved
- Oil and Gas Well Casing and Cementing – Approved

On 10/21/2010, the Independent Regulatory Review Commission took the actions noted on the following final regulations:

- Administration of the Land Recycling Program – Approved
- Administration of the Uniform Environmental Covenants Act – Approved
- Beneficial Use of Coal Ash – Approved
- Mercury Emissions; Repeal – Approved
- Paper, Film and Foil Surface Coating Operations - Approved

