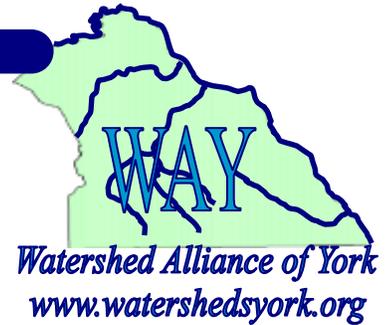


# WAY E-NEWS

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



April 12, 2010

A PUBLIC-PRIVATE PARTNERSHIP

Volume 10, Issue 8

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- PA Groundwater Recharge Information Available in User-Friendly Report
- EPA Decentralized Wastewater Management E-Handbook Now Available
- PA Bulletin
- Proposals Currently Open for Comment

### 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 – (877) 772-3673

- Illegal dumping on state forest and park lands

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 3/18/2010

## WATERSHED ALLIANCE NEWS

### Ag Land Preservation Board of York County - [www.york-county.org](http://www.york-county.org)

<> For information about farmland preservation in York County contact Patty McCandless at [pmccandless@york-county.org](mailto:pmccandless@york-county.org) or call 717-840-7400.

### Carroll Citizens for Sensible Growth - <http://carrollcitizens.com/>

<> Contact: Deana Weaver at (717) 432-2211 or [admin@carrollcitizens.com](mailto:admin@carrollcitizens.com)

### Codorus Creek Improvement Partnership - [www.codoruscreek.com](http://www.codoruscreek.com)

<> Contact: Michael Helfrich, Codorus Creek Improvement Partnership, at 324 W. Market St., York PA 17401. Ph: 717-718-5431. E-mail: [info@codoruscreek.com](mailto:info@codoruscreek.com)

### Codorus Creek Watershed Association - [www.codoruscreek.net](http://www.codoruscreek.net)

- Apr. 12 – CCWA Member and Board meeting, 7:00 pm, at York Water Company's Mt. Rose Ave. Facility
- <> Contact: Jim Leaman at 843-2929

### Codorus State Park - [www.dcnr.state.pa.gov](http://www.dcnr.state.pa.gov)

#### Conewago Canoe Club - [www.conewagocanooclub.org](http://www.conewagocanooclub.org)

- May 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
  - Apr 17 – Western Maryland Weekend
- <> Questions or comments e-mail me [oc1mike@comcast.net](mailto:oc1mike@comcast.net), but remember you catch more flies with honey than vinegar.

#### Deer Creek Watershed Association - <http://deercreekwatershed.com/>

- NEW! Check out our new website
- <> Contact Lee McDaniel at [ldmcdaniel@aol.com](mailto:ldmcdaniel@aol.com).

#### Farm & Natural Lands Trust of York County - [www.farmtrust.org](http://www.farmtrust.org)

<> Contact: Sean Kenny at Farm & Natural Lands Trust of York County • 156 North George Street • Suite 300 • York, PA 17401 • Phone (717) 843-4411 • Fax (717) 854-7452  
or [skenny@farmtrust.org](mailto:skenny@farmtrust.org)

#### Friends of Codorus State Park - [www.friends-of-codorus.org/](http://www.friends-of-codorus.org/)

- Apr 24 – Big Yard Sale – Dubs Church Rt. 216; 7:00 am to 2:00 pm
- <> For more information contact Becky Miller at 632-6747 or email [beckymill1@juno.com](mailto:beckymill1@juno.com) or Dave Carbaugh at 637-9875 or email [carbaugh3@embarqmail.com](mailto:carbaugh3@embarqmail.com)

#### Gifford Pinchot State Park - [www.dcnr.state.pa.us/stateparks/parks/giffordpinchot.aspx](http://www.dcnr.state.pa.us/stateparks/parks/giffordpinchot.aspx)

- Apr 16 – FRI 7:00am-3:00pm Open Bass Tournament
  - Apr 17 – SAT 10:00am-11:00pm Birding Basics
  - Apr 17 – SAT 10:00am-2:00pm Sailboat Race
  - Apr 24 – SAT 4/25/10 SUN 8:00am-5:00pm Mid Atlantic Collegiate & Masters Rowing Regatta
  - Apr 24 – SAT 10:00am-11:30am Earth Day Hike
  - Apr 24 – SAT 2:00pm-3:00pm Kid`s Hike - Signs of Spring
  - Apr 25 – SUN 1:00pm-4:00pm Family Fishing Event
- <> 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](mailto: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](http://www.gunpowderfalls.org)

- Apr 17 – Tree Planting at Lock Raven Reservoir! Volunteers needed. From 9:30 am to 1:00 pm.
- <> TO VOLUNTEER OR REGISTER FOR FREE or for more information contact Peggy Perry, Program Director for Gunpowder Valley Conservancy at 410-668-0118 or email [little-owl@msn.com](mailto:little-owl@msn.com).

#### Horn Farm Center for Agricultural Education - [www.hornfarmcenter.org](http://www.hornfarmcenter.org)

Happy Spring to all from the Horn Farm. Time to enjoy the warmth of the sun, time to plant and time to celebrate new beginnings as greenery and fresh life emerges all around us.

- At the Horn Farm, we have a lot to celebrate this spring. The second season of our Community Gardens, bigger and better than the first, is off to a great start. Response was overwhelming as gardeners from last year hurried to sign up for plots and were joined by new gardening enthusiasts who signed up for all of the additional plots that were added this year. Those still interested in gardening at the farm this season might look into planting an Heirloom Patch, our Patch Project for 2010.
- We're also celebrating the kick off of the Incubator Farm Project which will provide the opportunity for independent farmers to create and operate small-scale sustainable farms on prime farmland acreage at the Horn Farm. Just last week, ground was broken and construction started on a new pole barn that will serve the farmers selected for the project.

- If you're not gardening or farming at the Horn Farm this year, you can still join the fun. This year's events, the Spring Fling on April 17.
- The 2010 Heirloom TomatoFest on August 7 will have activities, demonstrations, food, entertainment and fun for the whole family. The Farmstand Tour, fast becoming a tradition, will also be held with dates coming soon. We hope you'll mark your calendar and join us on the farm this season!
- Be sure to check out our spring newsletter, attached, for more information on these and other newsworthy items happening "Around the Horn". Hope to see you there, soon!

<> Contact: Horn Farm Center for Agricultural Education, 4945 Horn Road, York, PA 17406. Phone: (717)654-0571. Email: [info@hornfarmcenter.org](mailto:info@hornfarmcenter.org). Web: [www.hornfarmcenter.org](http://www.hornfarmcenter.org).

**Izaak Walton League York Chapter** - [www.yorkchapter67iwla.org/](http://www.yorkchapter67iwla.org/)

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

<> Contact: York Chapter #67 IWLA, 7131 Ironstone Hill Road, Dallastown, PA 17313. Club Grounds Phone: 717-428-2000

\*Leave a message for the Committee Contact or Club Officer you are trying to reach. Committee Contacts & Club Officers are listed on the Club Information Page. If no phone or email address is listed contact club grounds phone number.

**Lower Susquehanna Riverkeeper** - [www.lowersusquehannariverkeeper.org](http://www.lowersusquehannariverkeeper.org)

<> Contact: Michael Helfrich, Lower Susquehanna RIVERKEEPER®, York, PA. Cell phone: 717-779-7915 E-mail: [lawsusriver@hotmail.com](mailto:lawsusriver@hotmail.com).

**Maryland's Upper West Shore Trib Team** - [http://www.dnr.state.md.us/bay/tribstrat/upper\\_west/up\\_west\\_shore.html](http://www.dnr.state.md.us/bay/tribstrat/upper_west/up_west_shore.html)

- May 3 - Trib Team meeting 5:30 - 7:30 p.m. Venue: Anita Leight Estuary Center. Topics: Bynum Run TMDL Informational Briefing - Tony Allred or other from MDE; Wade-In Planning; Project Updates. Note: We'll hold the TMDL Briefing first. Guests from town of Bel Air have another commitment that evening

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

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

- Next meeting and hike will be on April 17th at Chadds Ford Elementary School. Hike at 9 am, meeting at 2 pm.
- We are seeking someone to act as secretary at our meetings. Contact Jim Hooper

<> Contact: James Hooper at [james.hooper@worldnet.att.net](mailto:james.hooper@worldnet.att.net).

**Mid-Atlantic Ecological Landscapes Partnership [MAEscapes]** - [www.maescapes.org](http://www.maescapes.org)

- May 15 - MAEscapes Native Plant Fest & Sale, 9:00 a.m. to 2:00 p.m., at the County Annex, 112 Pleasant Acres Rd, York, PA. NEW THIS YEAR! Shop Native Plant Vendors - Doyle Farm, Heatwood, Kollar, Natural Landscapes, and Springhaven nurseries. Meet and hear Catherine Zimmerman, author of Urban & Suburban Meadows, Bringing Meadowscaping to Big and Small Spaces. For more information, visit: <https://themeadowproject.com/>
- Jul 10 - NATIVE PLANT EXPERIENCE 9:00 a.m. to 5:00 p.m. Don't miss this opportunity to visit native landscapes and talk to homeowners about native landscaping.

<> Contact: 717-840-7408 or Connie Schmotzer at [cxs51@psu.edu](mailto:cxs51@psu.edu)

**Peach Bottom Concerned Citizens Group Inc.** - [www.pbccg.com](http://www.pbccg.com)

<> Contact Maria Payan by email [pbccg@hotmail.com](mailto:pbccg@hotmail.com) or mail: Peach Bottom Concerned Citizens Group, P.O. Box 307 Delta, PA 17314. PBCCG, Inc is a nonprofit organization supported solely by volunteers and donations.

**Prettyboy Watershed Alliance** - [www.prettyboywatershed.org](http://www.prettyboywatershed.org)

- Help monitor the health of our watershed streams!! April 1 - 30, 2010 - Participate in Stream Waders.
- Invasive Vine Cutting at Prettyboy Reservoir - Sunday, April 19, 2010 Meet at 10 A.M. for a couple hours of cutting invasive vines along the CCC fireroads at Prettyboy Reservoir. Meet at the parking lot on Tracey Store Rd. Reach Tracey Store Rd. by getting off I-83 north at the Mt. Carmel Rd. exit and heading west. If you need additional information, contact Mary at 443-386-0862 (cell), 410-239-4590 (home), or [XxDiTz4LyFxx@aol.com](mailto:XxDiTz4LyFxx@aol.com).
- Woodland Owners Workshop - Saturday, April 24, 2010 - 8:45 a.m. - 3:00 p.m.

<> Contact: Nancy Shaper at [nshaper@ihmi.edu](mailto:nshaper@ihmi.edu)

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

- 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!
  - Apr 17 - Highway clean-up
  - Apr 25 - Pennsylvania's Forests Earth Day Presentation 1-3 PM Where: Wildwood's Olewine Nature Center
- <> Kim Anderson at [sgfornyc@aol.com](mailto:sgfornyc@aol.com).

**Spoutwood Farm CSA** - [www.spoutwood.com](http://www.spoutwood.com)

- Spoutwood Farm would still benefit by a few more good Apprentices and Interns for the 2010 Growing Season. Immediately to October (or part thereof). Please apply to 717-235-6610 or [spoutwood@comcast.net](mailto:spoutwood@comcast.net). More information at [www.spoutwood.org](http://www.spoutwood.org)
- Also Spoutwood is increasing its membership! Medium and Large Shares available. 22 weeks of fresh local naturally grown vegetables! Please apply from Membership form attached or at website.

<> Please direct inquiries, resumes and cover letters to Spoutwood Farm at 717-235-6610 or [spoutwood@comcast.net](mailto: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](mailto:info@lyhr.org).

**Susquehanna Greenway Partnership** - [www.susquehannagreenway.org](http://www.susquehannagreenway.org)

- Jun 13-19 - West Branch Susquehanna Sojourn

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

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

- Apr 14 - Monthly Chapter Meetings 2<sup>nd</sup> Wednesday, 7:00 p.m., at Gander Mountain store - York
- May 12 - Monthly Chapter Meetings 2<sup>nd</sup> Wednesday, 7:00 p.m., at Sawmill pavilion (summer)
- We need your eyes! Extensive construction on the new Jefferson/Codorus sewage treatment plant and collection system is now underway in the upper watershed. Right now, there is significant potential for serious runoff and siltation problems. Each of us needs to keep an eye on this project to spot and report any and all problems! [Please click here](#) for other important information that you should know if you're concerned about the Codorus
- Didymo! It's on our doorstep, right down in Maryland on the Gunpowder. Learn about this invasive and highly destructive algae, didymosphenia geminata (also known as 'rock snot'). Since it is spread by anglers on their wading equipment, we must all learn and follow the necessary measures.

<> Contact: Tom Finenze at 840-1372 or [tom@codorustu.org](mailto:tom@codorustu.org). Cancellations due to winter weather will be announced here, and on WSBA Radio, 910 AM.

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

- Apr 21 - Chapter Meeting at [Collinsville Fish & Game](#)
- On March 27, 2010 Thirteen volunteers from MCTU along with some local landowners planted another 235 trees and Shrubs along the North Branch of Muddy Creek in the Felton Boro.
- Rivers Conservation Plan - Muddy Creek TU has contracted with local firm Buchar-Horn, Inc. to help prepare the plan. If you have any questions regarding the RCP, please contact: Mr. Maurice Chioda, Muddy Creek TU, at [muddycreekt@comcast.net](mailto:muddycreekt@comcast.net)

<> Contact: Ron Heuston, President MCTU, 244-1851 or [Heuy1955@aol.com](mailto:Heuy1955@aol.com)

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

- The Watershed Alliance of Adams County holds its board meeting monthly. Board meeting dates have changed to the fourth Tuesday of the month. All board meetings are held at the Adams County Agricultural and Natural Resources Center at 4:30pm unless otherwise specified. The public is invited to attend.

<> Contact: Michelle Kirk 717-677-4628 or email at: [mkirk@adamswatersheds.org](mailto:mkirk@adamswatersheds.org)

**Watershed Alliance of York** - [www.watershedsyork.org](http://www.watershedsyork.org)

- Jul 7 - Meeting of WAY Board of Directors, 7:00 PM, at 324 W. Market St., York, PA.
- STREAM CLEANUPS - Sponsors needed to cleanup illegal dump sites countywide! Contact WAY to help coordinate and finance your cleanup.
- COMMUNITY EVENTS - Got a community event planned for 2010 that you would like WAY to exhibit its display? Contact us.
- SPEAKERS BUREAU - Need a speaker for your event? Contact WAY's speakers bureau composed of local experts in watershed-based planning, restoration and planning.
- WAY E-News is 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 (1,000+). Frequency: bi-weekly. Subscription: No charge. Editor: Gary R. Peacock.
- [www.goodsearch.com](http://www.goodsearch.com) and be sure to enter WAY as the charity you want to support.

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

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

- Apr 24 - Mechanicsburg Earth Day Festival
- Jun 9 - YBWA Board Meeting
- Sep 8 - YBWA Board Meeting
- Oct - TBA - Annual Membership Meeting
- Dec 8 - YBWA Board Meeting

<> Contact: John Eby, President, at [john\\_eby@lower-allen.pa.us](mailto:john_eby@lower-allen.pa.us)

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

- Apr 21 - YARSGC-BOD meeting, 9:00 am, at RAYAC, York

<> 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/>

- Apr 24 - Bird walk on Mary Ann Furnace Trail at Codorus State Park. Meet at park office on Smith Station Road at 8:00 A.M. Leader: Karen Lippy. 717-637-9347.
- Apr 30 -

- Birdwalk at Hopewell Area Recreational Complex near Shrewsbury. Meet at the Shrewsbury Giant parking lot at 8:00 A.M. Leader: Dick Humbert. 717-266-1864.
- <> Contact Tom Smith at 717-246-9767 or [tjs35@psu.edu](mailto:tjs35@psu.edu).

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

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

**York County Conservation District** - [www.yorkccd.org](http://www.yorkccd.org)

- Board meets 2<sup>nd</sup> Friday, 11:30 a.m. (December-March) and 2<sup>nd</sup> Thursday, 7:00 p.m. (Apr.-Nov.), at the York County ANNEX
- Rain barrels for sale! Visit our website for more information and prices.

<> Contact: YCCD at 717-840-7430 or [yorkccd@yorkccd.org](mailto:yorkccd@yorkccd.org)

**York County Planning Commission** - [www.ycpc.org](http://www.ycpc.org)

- Meets 1<sup>st</sup> 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., 2<sup>nd</sup> Floor.

<> Contact YCPC at 717-771-9870 or [planner@ycpc.org](mailto:planner@ycpc.org)



**WATERSHED EDUCATION & OUTREACH**

**Six Signs of Spring in the Chesapeake Region**

After a long, cold winter full of snow, ice and disrupted plans, many people in the Bay watershed are looking forward to the first signs of spring. Look for these six signals as a little bit of hope that the winter blues will soon be relieved by the warmer days of spring. Learn more...

[http://www.chesapeakebay.net/news\\_sixsignsofspring.aspx?menuitem=49212](http://www.chesapeakebay.net/news_sixsignsofspring.aspx?menuitem=49212)

**National Groundwater Awareness Week Observed**

March 7-13 was National Groundwater Awareness Week. Do you know what groundwater is, and how it can become polluted? Visit our groundwater page to learn more about this important source of water and pollution to the Bay, its wildlife and its human residents. Learn more... <http://www.chesapeakebay.net/groundwater.aspx?menuitem=14716>

**Oyster Shell Recycling Alliance Will Collect Used Shells to Help Restore Chesapeake's Oyster Reefs**

The Oyster Recovery Partnership has launched Maryland's first Oyster Shell Recycling Alliance, which will collect used oyster and clam shells from restaurants for oyster reef restoration projects in the Bay. Learn more...

[www.chesapeakebay.net/news\\_oysterrecycle.aspx?menuitem=50345](http://www.chesapeakebay.net/news_oysterrecycle.aspx?menuitem=50345)

**Study Shows Menhaden May Have Little Net Effect On Bay Water Quality**

A new study by the Virginia Institute of Marine Science suggests that menhaden may have little influence on overall Bay water quality. The study is part of a larger effort to understand menhaden's role in the Bay ecosystem. Learn more...

[http://www.vims.edu/newsandevents/topstories/menhaden\\_water\\_quality.php](http://www.vims.edu/newsandevents/topstories/menhaden_water_quality.php)

**Question of the Week: What do invasive species do to the Bay?**

The BayBlog investigates the effects invasive species can have on the health of the Chesapeake Bay ecosystem. For example, zebra mussels consume plankton vital to the survival of many native Bay species, and also hinder boat navigation and clog industrial pipes. Find out...

<http://blog.chesapeakebay.net/post/Question-of-the-Week-What-do-invasive-species-do-to-the-Bay.aspx>

**Landscape with Native Plants**

While landscaping your yard this spring and summer, be sure to choose plants that are native to the Chesapeake Bay watershed. Native plants require less fertilizer, pesticides and overall maintenance and provide better habitat for birds, bees and other wildlife. What you can do...

<http://www.chesapeakebay.net/inyourbackyard.aspx?menuitem=16888#landscape>

**C&NN Launches Natural Teachers Network**

The Children & Nature Network released the Natural Teachers Network, a web-based meeting place for educators to contribute stories, lesson plans and experiences about connecting children with nature. Classroom, home school and non-formal educators who use the "natural" world as an educational tool may join. NTN provides a home for natural teachers to network with their peers and to share the successes and challenges of taking students outside for natural learning. For more information <http://us1.campaign-archive.com/?u=84bc8aed7ef3c95d84fa1e04b&id=68a2cf3b1b&e=f91cd33777>

**Earth Day Educational Lesson Plans**

The Earth Day Network offers numerous environmental lesson plans and activities for K-12 classrooms. Teachers searching for an environmentally-themed project can access the online network at their convenience. New resources for Earth Week and Earth Day 2010 are: "Green Your School," "No Idling Campaign" and "EE Week - Be Energy and Water Wise." For more information

<http://www.earthday.net/lessonplans>

**CALLING ALL YORK COUNTY VOLUNTEER GROUPS - LET'S CLEAN IT UP - Apr-Jun**

WAY partnered with PA Cleanways who recently completed an illegal dump site inventory of York County. Approximately 34 illegal dump sites in or along our streams were identified and documented. This is where your organization, agency and spirited individuals come in. WAY is looking for Illegal Dump Site Cleanup Partners! Sponsor an cleanup and WAY will provide financial and technical assistance, including trash

bags, work gloves, waste containment, transport and disposal, and more. A brief list if these IDS is given below. Sign up today! Call 840-7687 or e-mail [gpeacock@yorkccd.org](mailto:gpeacock@yorkccd.org).

**INVASIVE SPECIES ALERT! Japanese Cedar Longhorned Beetle (Callidiellum rufipenne)**

Recently PDA plant inspectors encountered the Japanese Cedar Longhorned Beetle (Callidiellum rufipenne) causing significant damage to apparently healthy Cryptomeria plants in a Chester County nursery. This is the first recorded detection of this pest in a Pennsylvania nursery. It is significant because past accounts have the beetle as a secondary pest of stressed plants. The beetle has also been taken from native eastern red cedar lumber originating from Bucks County. The USDA-APHIS pest alert provides information about this pest's identification, distribution, biology and hosts. kown distribution in PA is limited to extreme eastern counties. It has also been detected in Connecticut and New Jersey. Adult beetles are emerging now. Damage appears as branch flagging. If spotted, contact Walt Blosser, Plant Inspection Program Specialist, Pennsylvania Department of Agriculture, 2301 N.Cameron St., Harrisburg, PA 17110. Phone: 717-772-5205. Fax 717-783-3275. Web [www.agriculture.state.pa.us](http://www.agriculture.state.pa.us).

**Holtwood Preserve Spring 2010 Environmental Programs**

DATE	PROGRAM	LOCATION*	TIME
Wed., April 7	The Nutty Truth About Squirrels	MU	7 - 8:30 p.m.
Mon., April 12	Shenk's Ferry Wildflower Walk	SF	10 a.m. - noon
Sat., April 17	Earth Day at the Quarryville Library	Q	10 a.m. to 3 p.m.
Sun., April 18	Shenk's Ferry Wildflower Walk	SF	2 - 4 p.m.
Mon., April 19	Herbarium Open House at Millersville University	MU	5:30 - 8 p.m.
Thur., May 6	WILD About Shad, Teacher Workshop	HEC	8 a.m. to 4 p.m.
Sat., May 9	Eagle Walk & Talk of Area Birds	L-12	10 a.m.- noon
Sat., June 19	Bluebird Trail Monitoring	HEC	9 - 10:30 a.m.

\* Location Code: SF – Shenk's Ferry Wildflower Preserve; Q – Quarryville Library; L-12 – Lock 12; HEC – Holtwood Environmental Center; MU – Millersville University, Roddy Hall

**Brunner Island Preserve Spring 2010 Environmental Programs**

DATE	PROGRAM	LOCATION*	TIME
Thur., April 22	Earth Day Bird Walk	BIW	9 – 10:30a.m.
Thurs., May 13	Susquehanna Aquacultures Fish Farm Tour	BIFA	10 a.m.- noon
Sat., June 12	Getting Started with Geocaching	BIW	9 - 11 a.m.

\*Location Code: BIW – Brunner Island Wetlands BIFA – Brunner Island Fishing Area  
 For more information, please visit our Web site at [www.pplpreserves.com](http://www.pplpreserves.com) or call 1-800-354-8383 or e-mail [pplpreserves@pplweb.com](mailto:pplpreserves@pplweb.com). For information on the current river conditions, call the Lower Susquehanna Hot Line at 1-800-692-6328.

**The 2010 Kodak American Greenways Awards – Jun 15**

Do you know an organization that is working to create or improve a greenway, trail or waterway? Apply for a Kodak American Greenways Award grant, and your organization could receive up to \$2,500 in grant funds and recognition that comes with selection by this prestigious national program. The Eastman Kodak Company, The Conservation Fund and the National Geographic Society team up each year to present the Kodak American Greenways Awards Program. One major element of the Program involves "seed" grant awards to organizations that are growing our nation's network of greenways, blueways, trails and natural areas. These projects connect Americans to the outdoors and their heritage. For 2010, the Program anticipates awarding up to fifty percent of the grants to those greenways projects that involve natural, cultural, and/or socio-political historical themes. Please see the application at <http://grants.conservationfund.org> for full details and to apply for consideration of your greenway project for Kodak American Greenway Award funding. This year's application deadline is June 15th. Most grants range from \$500 to \$1,000. The maximum grant is \$2,500.

**2010 Fish And Boat Commission Photo Contest Now Underway**

The Fish and Boat Commission is now accepting entries in its annual photography contest to highlight fishing and boating activities throughout Pennsylvania. Entries are due December 31. Photos can be entered in several categories: seasonal fishing/boating, family fishing/boating, young anglers/boaters, waterway scenics (impoundments and flowing waters) and reptiles, amphibians and invertebrates. Download the entry form and contest rules at <http://www.fish.state.pa.us/anglerboater/photocontest/00photo.htm>.



**WATERSHED FINANCIAL ASSISTANCE**

**PA Cleanways Offers Scholarship for Ages 16-21 – May 1**

PA Cleanways is now accepting applications for the Sue Weisman Scholarship in recognition of a student who has demonstrated commitment and dedication to the environment. The scholarship is open to Pennsylvania youth ages 16-21 who have initiated and carried out a project that addresses littering, illegal dumping, recycling, or beautification. One scholarship will be awarded in the amount of \$1,000; deadline is May 1. For more information [http://www.pacleanways.org/sw\\_scholarship\\_index.html](http://www.pacleanways.org/sw_scholarship_index.html).

### **Dominion Foundation Sponsors Science Education Grants – May 1**

The Dominion Foundation is now accepting grant applications from elementary and secondary educators who wish to develop new programs that support math and science education through the study of energy and the environment. Educational partnership grants awarded will total approximately \$300,000; up to \$10,000 may be awarded to individuals. Application deadline is May 1. For more information <http://www.dom.com/about/education/grants/index.jsp>.

### **Innovation Grants and Leadership Program Now Available – May 7**

TogetherGreen is an Audubon program funded by Toyota that aims to "provide inspiration, leadership and opportunities that inspire people to take action in efforts to improve the health of our environment." The TogetherGreen Initiative is offering two programs; application deadline is May 7.

- The Innovation Grants Program supports projects that involve communities and find solutions to environmental challenges. Grants are awarded to organizations in the Audubon network that join with partners in their communities to meet conservation goals. <http://www.togethergreen.org/Projects/Grants.aspx>
- The Conservation Leadership Program is an 18-month program for volunteer leaders or mid-career environmental professionals. Forty individuals will be selected to create, implement and supervise conservation projects. <http://www.togethergreen.org/People/Fellows.aspx>.

### **Brownfields Area-wide Planning Pilot Program Announcement – Jun 1**

EPA announced last week the availability of grant funds and direct assistance (through Agency contract support) and is soliciting proposals from eligible entities (local governments, nonprofits and other community-based organizations). These proposals should facilitate community involvement in area-wide planning approaches to brownfields assessment, cleanup and subsequent re-use. Area-wide planning grant funding and technical assistance will be directed to brownfields-impacted areas, such as a neighborhood, district, city block or corridor. The grant funding and technical assistance will result in an area-wide plan which will inform the assessment, cleanup and reuse of brownfields properties and promote area-wide revitalization. The total estimated EPA assistance available under this competitive opportunity is up to \$3.5 million to fund 20 projects. The maximum amount of EPA assistance awarded per pilot project will be \$175,000. Proposals are due by June 1, 2010. The RFP for the Brownfields Area-wide Planning Pilot Program is now open and available on-line on the following EPA web pages: <http://www.epa.gov/oswer/docs/grants/epa-oswer-oblr-10-05.pdf> and [http://www.epa.gov/brownfields/areawide\\_grants.htm](http://www.epa.gov/brownfields/areawide_grants.htm). EPA will be hosting a webinar for applicants interested in submitting a proposal on Tuesday, April 13, 2010 from 3:00-4:00 PM EST. There is no pre-registration for this webinar. The audio portion will be accessible via telephone: Call In Number 1-866-299-3188; Access Code 202 566 0633#. For Applicants, the video portion will be accessible at: <http://hackeye.epa.gov/imtapp/app/prelogin.uix?siteID=0>

### **Funding Available through AWEP**

Last Friday, the Natural Resources Conservation Service (NRCS) announced a request for proposals for the Agricultural Water Enhancement Program (AWEP). Approximately \$20.7 million is available for AWEP projects. The notice seeks proposals from potential partners to enter into partnership agreements with NRCS. Once NRCS announces the selected proposals, agricultural producers located in approved project areas can apply for AWEP assistance through their local NRCS offices. The Program provides technical and financial assistance to agricultural producers to implement water enhancement projects for conserving surface and ground water and improving water quality. Only agricultural producers are eligible for AWEP payments. More information is available at <http://edocket.access.gpo.gov/2010/pdf/2010-7515.pdf>.



## **WATERSHED FACILITATION ASSISTANCE**

### **Harrisburg's 1<sup>st</sup> Environmental Film Festival – Apr 15**

Wild & Scenic Environmental Film Festival April 15, 5:30 pm, at the State, 222 Market St., Harrisburg, PA. Tickets \$10. Schedule of films: Carpa Diem; A Simple Question; The Last Desert; Fun Theory Piano Stairs; Split Estate; Fresh. See film [trailers@www.youtube.com/HarrisburgWildScenic](http://trailers@www.youtube.com/HarrisburgWildScenic)

### **Nutrient Trading In Pennsylvania Conference, Webinar – Apr 16**

The [PA Association of Conservation Districts](#) and the departments of Agriculture and Environmental Protection will sponsor a one-day Nutrient Trading in Pennsylvania Conference and webinar on April 16 starting at 10:00. The conference will be held in the Brosman Ballroom of the Masonic Village at Elizabethtown. Onsite participation is limited to 55 participants. Participants will get an explanation of Pennsylvania's nutrient trading program, along with a discussion on pioneering agricultural technologies and the importance these innovations have on the agricultural community. A panel of conservation district representatives will explore conservation district involvement and the positive impacts districts can have at the local level working one-on-one with the agriculture community. After a discussion relating Pennsylvania's programs to the Chesapeake Bay Restoration efforts, a roundtable discussion will be held. Following the morning session, participants can join a field tour of three sites in Lancaster County to view actual on the ground innovation. Those sites include the Masonic Village property, where the floodplain was reconnected and legacy sediments were removed. An anaerobic methane digester was installed on a second site to generate energy, reduce odors and were party to one of the first nutrient trading program contracts. The third site is a farm that utilizes an innovative technology to render hog manure odorless while also rearing measurable nutrient reductions. To view the webinar, participants must have a [Friends of Penn State online account](#). Log In and look for the April 16 program to register.

### **Biodiversity Workshop Offered in Harrisburg – Apr 21**

The Pennsylvania Game Commission and Wildwood Park are offering an educator biodiversity workshop in Harrisburg. Indoor and outdoor activities will inform participants as they investigate biodiversity concepts and examine issues relating to local and global biodiversity. The workshop will be April 21 and may be used to fulfill Act 48 hours. Registration deadline is April 15. <http://www.wildwoodlake.org/events/>

### **Earth Day: PennDOT Encourages Groups To Register For Pick It Up PA Days – Apr 17-May 1**

The Department of Transportation is encouraging Pennsylvanians to help beautify the state by participating in "Pick It Up PA Days" from April 17 through May 1. A listing of cleanup events, resources for organizing a cleanup, and other information about the effort [is available online](#). Groups interested in adopting a section of highway are encouraged to contact their local PennDOT county maintenance office and ask for the Adopt-A-Highway coordinator, or visit the [Adopt-A-Highway webpage](#). The Pick It Up PA Days, timed to coincide with Earth Day on April 22, are a featured event of the Great American Cleanup of Pennsylvania, a statewide effort to remove litter and trash from the state's roadways, parks, riverbanks and open spaces. The entire effort runs through May 31. PennDOT encourages its Adopt-A-Highway volunteers to do one of their four required cleanups on a Pick It Up PA Day. The 7,156 groups in the Adopt-A-Highway program have two-year agreements and have adopted 16,562 roadway miles. In addition, PennDOT encourages individuals and groups to sign up for the [Earth Day 40 Challenge](#), an initiative shared among state departments of Education, Environmental Protection, and Conservation and Natural Resources. Those interested can learn about [the initiative online](#) and also register their participation beginning April 19. Over the past three years, the Great American Cleanup of Pennsylvania has yielded more than 24.8 million pounds of collected trash, involved 486,620 volunteers and resulted in 48,545 miles of highways cleaned. As part of those efforts, 273,430 Adopt-A-Highway volunteers collected more than 11.3 million pounds of litter on 30,293 miles of highway in that same period. Last year alone, more than 171,940 volunteers statewide joined in the cleanup and gathered more than 6.8 million pounds of trash and other debris from 16,498 miles of roadways, trails, waterways and shorelines. PennDOT's Adopt-A-Highway program participants alone accounted for 3.5 million pounds of trash from 10,375 miles of state-maintained roads as 100,337 volunteers conducted spring cleaning on their adopted sections. PennDOT provides gloves and safety vests for Adopt-A-Highway and Great American Cleanup of Pennsylvania groups. The department typically spends approximately \$11 million annually for litter pickup with department staff.

#### **Earth Day Celebration at Sonnewald Natrual Foods in Spring Grove, PA - Apr 18**

Is it the 40th anniversary of Earth Day this year So, in less than a month right here on the farm, we will host our 2nd Annual Earth Day Celebration Sunday, April 18th from 11 am until 4 pm. Rain or Shine. Sonnewald has pioneered sustainable living in this community. For over 50 years we have embraced the philosophy of "think globally and act locally". In spite of the fact that we are extremely busy, we believe in our hearts, we are divinely assigned to host an event that fosters relationships and encourages cooperation. Working together, we can share ideas, rekindle friendships, get motivated to live more sustainably, make some new friends, and have lots of fun! For more information, contact <http://www.sonnewald.org/>

#### **Earth Day is April 22, 2010**

April 22 is the 40th anniversary of Earth Day, and this is EPA's 40th anniversary year, so we've planned a very special month! Start by checking out our newly redesigned Earth Day web site. Lots of cool things you can do to participate in and celebrate Earth Day - <http://www.epa.gov/earthday>. Go ahead - get involved: commit, take action, share!

#### **Employing Best Practices to Address Run-off During Construction and Storm Events - Apr 29**

Join us for a free Webinar on April 29. Space is limited. Join YSI for a discussion of 2 case studies about monitoring turbidity in streams and rivers during road construction projects and stormwater events. We'll review new discharge regulations and erosion control rules and how these affect water quality monitoring at various urban sites. Learn how to easily set up and collect in-situ, real-time turbidity data for monitoring sediment at construction sites and storm events. Date: Thursday, April 29, 2010. Time: 1:00 PM - 2:00 PM EST\* (Note time and date for your area). Reserve your space here <https://www1.gotomeeting.com/register/226689985>.

#### **Watershed Capacity Building Symposium - May 1**

The agenda and registration information on [The Foundation for Pennsylvania Watersheds' Capacity Building Symposium](#) on May 1 in State College has just been released. Citizens from all walks of Pennsylvania's watershed community will have the opportunity to share their expertise and wisdom, as well as learn from peers. Participants will include community watershed organizations, Trout Unlimited chapters, and sportsmen's groups, along with environmental professionals from conservation districts, government agencies, academia, and consulting firms. The Symposium will begin at 8:20 a.m., with one of our keynote speakers. There will be eight breakout sessions, each of which will be offered twice during the morning and will focus on the areas of organizational development and technical assistance. The Organizational Track will cover topics relating to board development, community engagement, and financial opportunities and diversity. The Technical Track will offer information on Dashed, volunteer monitoring, available resources for community watershed organizations, and the current issues surrounding Marcellus Shale gas well drilling. Our second keynote speaker will present after lunch. Attendees will then work together to prioritize their expectations for the incoming Governor of Pennsylvania and meet the newest allies in the efforts to renew Growing Greener. Please come early to enjoy our Friday evening reception featuring appetizers, a cash bar, and opportunities to network with colleagues and other professionals in the display area. The Symposium is sponsored by the Foundation, the Department of Environmental Protection, and the Bayer Center for Nonprofit Management at Robert Morris University. [Download the Symposium brochure](#).

#### **PA Water Symposium in State College on May 5-6**

In celebration of National Drinking Water Week, the Pennsylvania Water Symposium will be held at the Penn Stater Conference Center in State College, PA. The event includes a reception during the evening of May 5, followed by a full-day of posters and oral presentations on May 6. This event will showcase water resources issues, research and outreach - being conducted by faculty, students, stakeholders, and professionals throughout Pennsylvania. Conference information including registration, agenda, and accommodations can be found on the conference web site at: <http://agsci.psu.edu/pa-water-symposium>

#### **PA Forest Web Seminar Series**

Water is an important part of the forested landscape. Water quality, water quantity, and home-use of water are all governed significantly by our forested ecosystems. A new webinar series dealing with Water Resources will make its debut on Wednesday, January 27 at noon and 7 p.m. Because all of you are Friends of Penn State, you may attend this webinar with minimal effort. You may wish to register with the webinar series so that you can get reminders for upcoming seminars, much the same way I do for the PA Forest Web Series. To register for the Water Webinar series, visit <http://water.cas.psu.edu/webinars.htm>. You won't need to re-register as a Friend of Penn State. Schedule of Water Webinars:

- March 31 - Managing Your Pond or Lake, Susan Boser, Penn State Cooperative Extension, Beaver County. Assessing pond and lake structures, testing water quality, identifying and managing aquatic plants, managing wildlife and fisheries.

- April 28 – Safe Drinking Water Clinic, Peter Wulforth, Penn State Cooperative Extension, Pike County. How to construct and maintain your private water well, spring, or cistern to ensure safe drinking water quality including water testing strategies and water treatment methods.
  - May 26 – Managing Your On-Lot Septic System, Dana Rizzo, Penn State Cooperative Extension, Westmoreland County. Proper strategies to locate, construct, and maintain a home septic system to prevent costly failures.
  - June and July – no webinar – summer break
  - August – November – webinars at noon and 7 p.m. on the last Wednesday of each month. Topics to be announced
- If you're interested in water resources, water quality and quantity issues, this webinar series may be for you. Visit <http://water.cas.psu.edu/webinars.htm> to register.

### **The Color of Water: Mixing Art and Science – Jul 30**

Audience: Upper elementary/middle school/high school teachers Date: July 30, 2010 Time: 9:30am - 4 pm Cost: \$5 registration fee (non-refundable), includes lunch and lesson plans Credit: Act 48 credit hours (6 hrs) Location: Cobbs Creek Community Environmental Education Center, 700 Cobbs Creek Parkway, Philadelphia, PA 19143. Contact: Dr. Beatrice Mickey, (215)685-1900.  
[http://www.stroudcenter.org/education/teacherworkshops/index.htm#color\\_of\\_water](http://www.stroudcenter.org/education/teacherworkshops/index.htm#color_of_water)



## **WATERSHED TECHNICAL ASSISTANCE**

### **Rising Water Temperatures Found in US Streams and Rivers**

ScienceDaily (Apr. 7, 2010) — New research by a team of ecologists and hydrologists shows that water temperatures are increasing in many streams and rivers throughout the United States. The research, published in the journal *Frontiers in Ecology and the Environment*, documents that 20 major U.S. streams and rivers – including such prominent rivers as the Colorado, Potomac, Delaware, and Hudson – have shown statistically significant long-term warming. By analyzing historical records from 40 sites located throughout the United States, the team found that annual mean water temperatures increased by 0.02-0.14 °F (0.009-0.077 °C) per year. Long-term increases in stream water temperatures were typically correlated with increases in air temperatures, and rates of warming were most rapid in urbanized areas. "Warming waters can impact the basic ecological processes taking place in our nation's rivers and streams," said Dr. Sujay Kaushal of the University of Maryland Center for Environmental Science (UMCES) and lead author of the study. "Long-term temperature increases can impact aquatic biodiversity, biological productivity, and the cycling of contaminants through the ecosystem." "It's both surprising and remarkable that so many diverse river systems in North America behaved in concert with respect to warming," said Dr. David Secor of the UMCES Chesapeake Biological Laboratory whose work focused on Maryland's Patuxent River, where he has noted a 3 °F increase since 1939. The analysis indicates that 20 of the 40 streams studied showed statistically significant long term warming trends, while an additional 13 showed temperature increases that were not statistically significant. Two rivers showed significant temperature decreases. The longest record of increase was observed for the Hudson River at Poughkeepsie, New York. The most rapid rate of increase was recorded for the Delaware River near Chester, Pennsylvania. "We are seeing the largest increases in the most highly urbanized areas which lead us to believe that the one-two punch of development and global warming could have a tremendous impact on stream and river ecosystem health," said Dr. Kaushal. Given long-term global warming and "urban heat island effects" related to the abundance of buildings, roads, concrete, and asphalt, the authors point out that conserving riparian forests, reducing impervious surfaces, adopting "green" infrastructure practices, and reducing greenhouse gas emissions can help reduce increased water temperatures. This research was supported by the National Science Foundation and Maryland Sea Grant. The article, "Rising stream and river temperatures in the United States," appeared online in *Frontiers in Ecology and the Environment* e-View on March 23, 2010 and was authored by Drs. Sujay S. Kaushal, Gene E. Likens, Norbert A. Jaworski, Michael L. Pace, Ashley M. Sides, David Seekell, Kenneth T. Belt, David H. Secor, and Rebecca L. Wingate.

### **2010 Water Quality Monitoring And Assessment Report Published For Comment**

The Department of Environmental Protection published notice of the opportunity to comment on the draft [2010 Integrated Water Quality Monitoring and Assessment Report](#) required to be completed by Section 303(d) of the federal Clean Water Act. Comments are due on the draft by May 3. The report is comprised of four parts and also includes a five-part list that collectively summarizes the designated use attainment status of Commonwealth surface waters. The federal Clean Water Act and 40 CFR Part 130 require states to identify waters which would still be impaired, even after the appropriate technology has been applied to point sources and requires best management practices are in place for nonpoint sources. Waterbodies that do not meet water quality standards after this evaluation are placed on Category 5 of the Integrated Waterbody List. For each waterbody in Category 5, the state or the United States Environmental Protection Agency must develop Total Maximum Daily Load (TMDL) allocations. A TMDL is a calculation of the assimilative capacity of a waterbody to handle point and nonpoint pollutant loads without violating water quality standards. TMDLs also describe the conditions necessary to improve water quality. TMDLs are used to set limits in NPDES water quality permits and identify where best management practices for nonpoint sources are necessary to improve and protect water quality. When a TMDL is approved for a waterbody, that waterbody listing is moved to Category 4a. Waterbody assessment and compilation of the Integrated Report is an ongoing process. The Department will continue to verify the quality of data used in this process and, as needed, will publish supplements to the Integrated Report for public review and comment. Written comments should be submitted to Angela Bransteitter, Division of Water Quality Standards, Bureau of Water Standards and Facility Regulation, P. O. Box 8467, Harrisburg, PA 17105-8467 or send by email to: [abransteit@state.pa.us](mailto:abransteit@state.pa.us). A copy of the draft Assessment [is available online](#).

### **2010 Summer Bacteria Sampling in Streams—Volunteers Needed!**

PA Department of Environmental Protection (DEP) Division of Water Quality Standards is looking for volunteers interested in monitoring their local watersheds for bacteria. Samples will be collected for the purpose of assessing streams for recreational use (swimming, boating, fishing). PA uses fecal coliforms as the bacteriological indicator to determine the risk of human contact with pathogenic strains of bacteria and viruses in the water. Water quality standard for recreational use is the geometric mean calculated from five samples collected over a thirty day period can not exceed 200 colony forming units (cfus) per 100 mL sample. The study will incorporate a watershed approach and DEP will help

determine sampling locations within the watershed. At a minimum, two sites will be needed on the stream for sampling; however, depending on the size of the watershed, land use and number of volunteers more sites may be utilized to cover the watershed. The sampling protocol would require an individual to wade out to the middle of the stream channel and collect a bottle of water. The frequency of collection would be once a week for ten weeks during the recreational use sampling season (May 1st through September 30th). Samples would then need to be delivered to a local laboratory within six hours of collection for analysis. DEP will provide sampling equipment and training. Volunteers would need to provide Waders or Stream Shoes, Permanent Marker, Pen and Transportation. Please respond back by Friday, April 23rd if you are interested in participating in the 2010 bacteria monitoring project. Please include the following information in your e-mail if you wish to participate: Name, Organization (if applicable), Address, County, Phone, Stream(s) of interest, Dates for possible Training, For more info contact Angela Bransteitter, Water Pollution Biologist, Department of Environmental Protection, Rachel Carson State Office Building, 400 Market Street | Harrisburg, PA 17101. Phone: 717.772.5164. Fax: 717.772.3249. E-mail: [abransteit@state.pa.us](mailto:abransteit@state.pa.us).

**Are Socioeconomic Benefits of Restoration Adequately Quantified?**

Many ecosystems have been transformed, or degraded by human use, and restoration offers an opportunity to recover services and benefits, not to mention intrinsic values. We assessed whether restoration scientists and practitioners use their projects to demonstrate the benefits restoration can provide in their peer-reviewed publications. We evaluated a sample of the academic literature to determine whether links are made explicit between ecological restoration, society, and public policy related to natural capital. We analyzed 1,582 peer-reviewed papers dealing with ecological restoration published between 1 January 2000 and 30 September 2008 in 13 leading scientific journals. <http://www3.interscience.wiley.com/journal/123320557/abstract?CRETRY=1&SRETRY=0>

**Restoring Natural Capital in Degraded Landscapes**

The interests of farmers are often perceived to be in conflict with those of both the ecosystems and the markets in which they operate, says Mark Chandler. In this week's Green Room, he argues that ongoing, directed efforts can create profitable, sustainable situations for everyone. <http://news.bbc.co.uk/2/hi/science/nature/8583015.stm>

**Constructing wetlands to sanitize rivers and produce green energy**

A new study from researchers in the Netherlands demonstrates that wetlands can be constructed in strategic locations to clean up rivers while producing enough biomass to serve as a clean energy source. In the Netherlands, like much of the world, surface runoff, particularly from agriculture, has polluted rivers with nutrients. <http://www.conservationmaven.com/frontpage/constructing-wetlands-to-sanitize-rivers-and-produce-green-e.html>

**PA Groundwater Recharge Information Available in User-Friendly Report**

HARRISBURG, Pa., March 29 /PRNewswire-USNewswire/ -- The month of April is known for rain showers, but a new Pennsylvania Geological Survey report says that the state's groundwater actually recharges the most during March. The report, "Summary of Groundwater-Recharge Estimates for Pennsylvania," was done in cooperation with the U.S. Geological Survey and is available on the Department of Conservation and Natural Resources' Web site at [www.dcnr.state.pa.us/topogeo/](http://www.dcnr.state.pa.us/topogeo/). Recharge occurs when water reaches underground aquifers. It is typically estimated by measuring factors including precipitation and stream flow. Areas that receive the most recharge are typically those that get the most rainfall, have favorable surface conditions for infiltration, and are less susceptible to the influences of high temperatures, evaporation and loss through vegetation. Maps included in the report illustrate patterns of precipitation, temperature, prevailing winds, and the average error associated with recharge estimates. In an average year, about 40 inches of precipitation – the rough equivalent of 31.5 trillion gallons of water – falls in Pennsylvania. Only about 31 percent of rainfall is absorbed by the land to become groundwater. Of the rest, 52 percent evaporates and 17 percent becomes runoff into rivers and streams. Eighty percent of Pennsylvania's recharge occurs from November to May, with approximately 18.4 percent coming in March followed by nearly 13 percent in April. For more information about geology in Pennsylvania, visit the DCNR Web site at [www.dcnr.state.pa.us](http://www.dcnr.state.pa.us) and choose "Geology" at the bottom, or call 717-702-2073.

**EPA Decentralized Wastewater Management E-Handbook Now Available**

The EPA Office of Wastewater Management has recently expanded its "Handbook for Managing Onsite and Clustered (Decentralized) Wastewater Treatment Systems with the addition of an "E-Handbook." The E-Handbook features resource guides containing detailed information on the 13 management program elements featured in the existing management handbook: public education, planning, performance, site evaluation, design, construction/installation, operation/maintenance, inspections/monitoring, residuals management, training/certification, financial assistance, inventory/recordkeeping, and compliance assurance. The resource guides in the E-Handbook can be accessed via hot-links in the current Management Handbook posted at <http://www.epa.gov/owm/onsite>

**PA Bulletin - [www.pabulletin.com](http://www.pabulletin.com)**

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[Volume 40, Number 15](#) Saturday, April 10, 2010 Pages 1883-1988

**Proposals Currently Open for Comment**

Date Published In PA Bulletin	Proposal	Comment Deadline
2/6/2010	Proposed Rulemaking: New Source Review <a href="#">Published PA Bulletin Notice</a>	4/12/2010
5/3/2010	2010 Draft Integrated Water Quality Monitoring and Assessment Report; Notice of Availability for Public Comment <a href="#">Published PA Bulletin Notice Correction Notice</a> (Publication scheduled for April 17th)	5/17/2010

