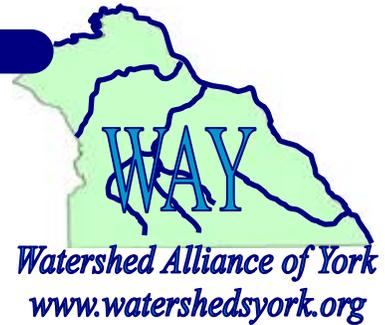


# WAY E-NEWS

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



May 21, 2012

A PUBLIC-PRIVATE PARTNERSHIP

Volume 12, Issue 10

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- NFWF Provides Native Plant Conservation Grant Opportunity – May 25
- NRCS offers funding for planting cover crop mixes – May 30
- Game Commission Accepting Applications For State Wildlife Grants – Jun 5
- Grant applications are being accepted by the Wild Resource Conservation Program – Jul 2
- New Webpage for Community Grant Resources
- New “PENNVEST” Tab on PACD Website Provides Guidance to Access NPS Funding

#### WATERSHED FACILITATION ASSISTANCE...Page 8

- 3rd Annual Choose Clean Water Conference – Jun 4-6
- Webinar – The Role of Trees and Forests in Managing Municipal Stormwater – Jun 5
- PENNVEST, DEP Announce Second Nutrient Credit Trading – Jun 13
- Green Infrastructure Training Announcement: Advanced Course being Piloted! – Jun 15
- 2<sup>ND</sup> YOUTH KAYAKING EXPEDITION TRAVELING THE YELLOW BREECHES CREEK – Jun 17-19
- BRINGING NATURE HOME – Jun 19
- Managing Your On-Lot Disposal System for Homeowners – Jun 19
- APWA Sustainability in Public Works Conference – Jun 24-25
- PGC Wildlife Diversity Forum – Jun 28 & 29
- Seeking New Ideas in Community Planning, Design, and Development – Jun 30
- Save the Date: 2012 Taste of the Chesapeake – Sep 20
- Dive Deeper is Coming - Save the Date - Sep 27
- SAVE THE DATES! CHESAPEAKE WATERSHED FORUM – Sep 28-30
- Watershed and Stormwater Conference – Oct. 8-10

## WATERSHED CONTACTS

**COUNTY PLANNING – (717) 771-9870**

**CONSERVATION – (717) 840-7430**

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

**24-HR EMERGENCIES – (877) 333-1904**

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

**ENVIRONMENTAL – DEP-SCRO**

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

**FISHERIES – (800) 541-2050**

- Wildlife (fish, reptiles, amphibians) nuisance problems or to report violations
- FISH KILL 1-855-347-4545

**GAME & WILDLIFE – (888) 742-8001**

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

**ILLEGAL DUMPING**

- Illegal dumping on state forest and park lands (877) 772-3673
- Illegal dumping York County 840-7687

**MUNICIPAL (Phonebook Blue Pages)**

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

**NOXIOUS PLANTS – (717) 772-5209**

**RECYCLING – (717) 845-1066**

**WETLANDS – (717) 249-2522**

*Updated 4/27/2011*

## **WATERSHED TECHNICAL ASSISTANCE...Page 10**

- USDA's NIFA-CEAP Watershed Synthesis: Lessons Learned
- New Study: Nutrient Trading Could Lower Cost Of Chesapeake Bay Cleanup
- Riparian buffers a challenge for farmers
- Newly Released: Recreation and Parks Handbook, 4th Edition
- New Tool Assists Preservation Efforts
- "Banking on Green: How Green Infrastructure Saves Municipalities Money and Provides Economic Benefits Community-wide"
- Rural Communities: Expanding Horizons
- 2009 train derailment apparently caused in part by a failed storm water retention pond,
- WaterSense Interactive Water Budget Tool
- Resources for Volunteer Water Quality Monitoring Programs
- Soil erosion modeling: It's getting better all the time
- YCCD Erosion & Sediment Control Program Updates
- NOTICES – Stream Redesignation Evaluations; Water Quality Standards Review
- PADEP Proposals Currently Open for Comment



## **WATERSHED ALLIANCE NEWS**

### **Ag Land Preservation Board of York County – [www.york-county.org/gov/AUTH/agri.htm](http://www.york-county.org/gov/AUTH/agri.htm)**

- 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 Watershed Association – [www.codoruscreek.net](http://www.codoruscreek.net)**

- Jul 16 –Meeting of Members and Board, 7:00 pm, at York Water Co. (Mt. Rose Ave.)
- POST-PONED – Oil Creek Restoration Monitoring, Gits Run Rd., Hanover, 9:00 Am to 1:00 PM
- Contact: Jim Leaman at 843-2929

### **Codorus Endowment Implementation Committee – [www.yccf.org](http://www.yccf.org)**

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

### **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 10 [Beginners White Water Kayak Course](#)
- June 2 Youth Field Day
- June 9-10 Intermediate Kayak Course
- July 21 Yough Raft Trip
- August 25-26 Swift Water Rescue Weekend
- Club Meets bi-monthly at Mount Zion United Church of Christ, 7:00 pm, at Ridgewood Road in Pleasureville
- Questions or comments e-mail me [oc1mike@comcast.net](mailto: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](mailto:ldmcdaniel@aol.com).

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

- 4th Annual FNLT Clay Shoot – One can assume the weather 4th Annual FNLT Clay Shoot weather will be perfect. So why be inside? Join us Friday, June 8, 2012 from Noon to 5:00 PM at Central Penn Sporting Clays.
- Contact: Sean Kenny at Farm & Natural Lands Trust of York County, 156 North George Street, Suite 300, York, PA 17401. Phone (717) 843-4411 or e-mail [skenny@farmtrust.org](mailto:skenny@farmtrust.org)

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

- 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)**

- Event calendar <http://www.dcnr.state.pa.us/Calendar/list.asp>
- Contact Elizabeth Kepley, Environmental Education Specialist, DCNR Bureau of State Parks/Gifford Pinchot State Park, 2200 Rosstown Road, Lewisberry, PA 17339. Phone: 717-432-5011

**Gunpowder Valley Conservancy** - [www.gunpowderfalls.org](http://www.gunpowderfalls.org)

- 16-Jun 9-2:30 pm Trail Maintenance Workshop Loch Raven Reservoir
- 23-Jun 10-2 pm Adopt-a-Stream Training TBD
- 30-Jun 10-12 pm Rain Barrel Workshop TBD
- ??-Jun 9- 2 pm Garden Workshops Gunpowder Watershed TBD
- How to contact us U.S. Mail: Gunpowder Valley Conservancy, P.O. Box 9733. Towson, MD 21284. Or Assistant Project Manager Rachel Streusand [rstreusand@gunpowderfalls.org](mailto:rstreusand@gunpowderfalls.org).

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

- Kid Farm Education Days at the Horn Farm Center
  - May 19 • 10am – Noon "Chomp, Sniff, Stomp"
  - June 16 • 10am – Noon "Bug Out at Horn Farm Center"
  - July 19 • 10am – Noon "Chickens on the Horn Farm"
- MORE INFO AND TO REGISTER ONLINE. For questions, call 717-757-6441 or email [info@hornfarmcenter.org](mailto:info@hornfarmcenter.org)
- 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 #67** - [www.yorkchapter67iwla.org/](http://www.yorkchapter67iwla.org/)

- Club Open Meetings are held the Third Tuesday of each month at 7pm in the Clubhouse.
- Contact: York Chapter #67 IWLA, 7131 Ironstone Hill Road, Dallastown, PA 17313. Club Grounds Phone: 717-428-2000 \*Leave a message for the Committee Contact or Club Officer you are trying to reach. Committee Contacts & Club Officers are listed on the Club Information Page. If no phone or email address is listed contact club grounds phone number.

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

- 16 Jun –2nd Annual [2012 Susquehanna Biathlon!](#) WHERE: The John Wright, in Wrightsville, York County, Pa. WHEN: 8:30am, June 16th, 2012. Host Lower Susquehanna Riverkeeper. WHY: The Biathlon is your Riverkeeper's annual fundraiser where we run & paddle away pollution!
- 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/waters/tribstrat/>

- Contact: RupertRossett, Tributary Team Coordinator, e-mail: [RupertRossetti@aol.com](mailto:RupertRossetti@aol.com)

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

- Contact: James Hooper at 717/252-3784 or [j.e.hooper@ieeee.org](mailto:j.e.hooper@ieeee.org)

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

- June 30 – Gardening for Life – A Tour with a Difference. Tickets \$8.00
- 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)

- Contact: Nancy Shaper at [nshaper@jhmi.edu](mailto:nshaper@jhmi.edu)

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

- Monthly meetings will be held at the East Shore Area Library (ESA) in Harrisburg at 6:30 pm, except for select dates:
  - Tuesday, 6/26 – ESA
- Jul 21 River Float/Kayak Outing
- Contact GVP Sierra Club, P.O. Box 606, Harrisburg, PA 17108-0606. [GVPsierraclub@email.com](mailto:GVPsierraclub@email.com)

**Shank's Mare Outfitters GO PLAY OUTSIDE!** - [www.shanksmare.com](http://www.shanksmare.com)

- 2012 Spring & Summer program dates are now posted <http://www.shanksmare.com/html/news.html>
- Call Us: 717-252-1616. Email us: [Shanksmare@comcast.net](mailto:Shanksmare@comcast.net)

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

- Mother Earth Hands-On Harvest Fair, Sunday, Sept 23, 2012 10am to 5pm, 4255 Pierceville Rd, Glen Rock, PA 17327 717-235-6610. [spoutwood@comcast.net](mailto:spoutwood@comcast.net) [www.spoutwood.org](http://www.spoutwood.org)
- Contact Rob & Lucy Woods at 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)

- 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)

- *Family Fishing Funday* - Come join us on Monday 5/28 (Memorial Day) from 10 to 2 at Codorus State Park. Come to the classroom on Marina Road for a wide variety of FREE, family-oriented activities co-sponsored by our chapter. Its also a Fish-For-Free Day in PA (no license required that day). Make us part of your holiday 'stay-cation.'
- Monthly Chapter Meetings 2nd Wednesday, 7:00 p.m., at Gander Mtn. (winter)
- 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/>

- MCTU will be working with Codorus State Park and the Codorus Chapter of TU to host a Free Family Fishing Funday at Codorus State Park. This event will be on Monday, Memorial Day. Bring them out to this event for some family fun!
- Chapter Meeting 3<sup>rd</sup> Wednesday of month at [Collinsville Fish & Game](#)
- Contact: Ron Heuston, President MCTU, 244-1851 or [Heuy1955@aol.com](mailto:Heuy1955@aol.com)

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

- Meet the 3<sup>rd</sup> Wednesday @5pm.
- Contact: Adam McClain, Ph: 717-334-0636; E-mail: [stilden@adamswatersheds.org](mailto:stilden@adamswatersheds.org)

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

- July 11 – Meeting of WAY Board of Directors, 7:00 PM, at SOLS, 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](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)

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

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

- May 23 – Board meets from 9:00 to 11:00 Am, at RAYAC, York
- Contact Shanna Wiest, Government Affairs Director, REALTORS Association of York & Adams Counties, Inc. 901 Smile Way York, PA 17404. Phone: (717) 843-7891. Fax: (717) 854-0720. <http://www.rayac.com>

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

- Jun 14 – Annual YAS Picnic in Pheasant Pavilion at Rocky Ridge County Park, at 12 noon. Park in Hidden Laurel parking lot. The pavilion has electricity and a grill. Bring a covered dish to share, and your place setting. Bring binoculars.
- Contact Tom Smith at 717-246-9767 or [tls35@psu.edu](mailto:tls35@psu.edu).

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

- Jul 31 – Annual Conservation Awards Picnic, Rudy Park, 7:00-9:00 p.m.
- New Wildlife of PA Journal available for purchase \$24.95
- Rain Barrels- Get one while they last! Visit our website for more information and prices.
- Board meets 2nd Friday, 11:00 a.m. (December-March) and 2nd Thursday, 7:00 p.m. (Apr.-Nov.), at the York County ANNEX
- Contact: YCCD at 717-840-7430 or [yorkccd@yorkccd.org](mailto:yorkccd@yorkccd.org)

**York County Parks & Recreation** – [www.YorkCountyParks.org](http://www.YorkCountyParks.org)

- For more information, contact York County Department of Parks and Recreation, 400 Mundis Race Road, York PA 17406-9721. Phone: (717) 840-7440. E-mail: [Parks@York-County.org](mailto:Parks@York-County.org). Web: [www.YorkCountyParks.org](http://www.YorkCountyParks.org). Nixon Park Nature Center, 5922 Nixon Drive • York PA 17403. Phone: (717) 428-1961. E-mail: [NixonCountyPark@york-county.org](mailto:NixonCountyPark@york-county.org).

**York County Planning Commission** – [www.ycpc.org](http://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](mailto:planner@ycpc.org)



## **WATERSHED EDUCATION & OUTREACH**

### **Chesapeake Bay blue crab population reaches highest level in nearly 20 years**

The Chesapeake Bay's blue crab population increased 66 percent in 2012 to its highest level since 1993, according to the annual [blue crab winter dredge survey](#) conducted by Maryland and Virginia.

[http://www.chesapeakebay.net/blog/post/chesapeake\\_bay\\_blue\\_crab\\_population\\_reaches\\_highest\\_level\\_in\\_nearly\\_20\\_year](http://www.chesapeakebay.net/blog/post/chesapeake_bay_blue_crab_population_reaches_highest_level_in_nearly_20_year)

### **Chesapeake Bay health receives D+ on 2011 report card**

An unusual sequence of weather events, including a wet spring, a hot, dry summer, and two tropical storms, caused the Chesapeake Bay's health to decline in 2011, according to the University of Maryland Center for Environmental Science (UMCES) and the National Oceanic and Atmospheric Administration (NOAA). [http://www.chesapeakebay.net/blog/post/chesapeake\\_bay\\_health\\_receives\\_d\\_on\\_2011\\_report\\_card](http://www.chesapeakebay.net/blog/post/chesapeake_bay_health_receives_d_on_2011_report_card)

### **Eyes on the Bay**

Bottom dissolved oxygen readings in the Bay and downriver portions of tributaries were below historic averages for April. This was in part due to record [high surface water temperatures](#) that create thermal gradients from top to bottom, which inhibit mixing of oxygen into deeper waters. Low dissolved oxygen can stress or kill fish and shellfish, and greatly reduce their available habitats. As always, DNR is monitoring your waterways and the latest information is online at [www.eyesonthebay.net](http://www.eyesonthebay.net)

### **Farmers highlight conservation efforts in Chesapeake Bay area**

*Southeast Farm Press* – This week, the National Association of Farm Broadcasters' 2012 Washington Watch attendees enjoyed the chance to learn about water quality and farming in the Chesapeake Bay Watershed during a tour of Corn Board Member Chip Bowling's farm. The tour, organized with the help of NCGA, offered further insight into the issues surrounding the Chesapeake Bay Watershed through three panel discussions addressing this common theme from differing perspectives. Read more... <http://southeastfarmpress.com/grains/local-farmers-highlight-conservation-efforts-chesapeake-bay-area>

### **New Website. Great Learning Resource**

The Chesapeake Bay Program has launched a new, improved version of its website. The new Bay Program website provides students, educators and members of the public with the latest information about Bay science, wildlife, pollution pressures and restoration efforts. The new website comes complete with countless new resources, including an improved photo library with hundreds of high-resolution images of the Bay and its watershed, wildlife and pollution problems. Alliance for the Chesapeake Bay staff have been instrumental in building the content featured by the site. <http://www.chesapeakebay.net/>

### **Suit Seeks National Numeric Criteria for Nutrients in U.S. Waters**

Marten Law – A pending lawsuit filed by nearly a dozen environmental groups<sup>[1]</sup> seeks to force EPA to establish numeric nutrient criteria for U.S. waters. High nutrient loadings can deplete oxygen in the water and cause fish injury, algae blooms and other environmental damage. To date, nutrient standards have been largely left to the states. The suit seeks to require EPA to set nutrient criteria or, in the alternative, to set criteria for nearly the entirety of the Midwest, along with total maximum daily loads (TMDLs) for the Mississippi River, its tributaries, and portions of the Gulf of Mexico. The complaint, in *Gulf Restoration Network v. Jackson*,<sup>[2]</sup> stems from EPA's denial of a rulemaking petition seeking similar relief nearly four years ago. The plaintiffs allege that EPA's denial fails to provide a reasoned basis for EPA's decision not to use its authority under Section 303 of the Clean Water Act (CWA). Read more... <http://www.martenlaw.com/newsletter/20120502-numeric-criteria-nutrients-us-waters>

### **Bill curbs EPA power under Clean Water Act**

*Western Farm Press* – Legislation was introduced in the House to halt the Environmental Protection Agency's (EPA) and the Army Corps of Engineers' attempts to illegally expand federal power under the Clean Water Act and extend the government's regulatory reach to every ditch, puddle and pond in the country. Read more... <http://westernfarmpress.com/government/bill-curbs-epa-power-under-clean-water-act>

### **Analysis: Farm bill could cut funding for Chesapeake Bay**

WAMU - Agriculture authorization bills are winding their way through Congress. That is prompting contentious debate about farm subsidies and regulations, but it could also have a significant impact on the Chesapeake Bay. Maryland senators are concerned that the farm bill could wind up cutting money for Maryland farmers, and that it would affect preservation of the Chesapeake.

[http://wamu.org/news/12/05/08/analysis\\_farm\\_bill\\_could\\_cut\\_funding\\_for\\_chesapeake\\_bay](http://wamu.org/news/12/05/08/analysis_farm_bill_could_cut_funding_for_chesapeake_bay)

### **Budget Challenges Limit Implementation of Federal Bay Strategy**

Federal agencies accelerated their efforts to restore water quality and habitats in the Bay and its watershed last year, but tight budgets could jeopardize their ability to maintain progress and fully meet objectives set forth two years ago in a sweeping federal Bay strategy.

<http://www.bayjournal.com/article.cfm?article=4329>

### **How to drive the Bay-friendly way**

With the cost of gas hovering near \$4 per gallon, driving isn't anyone's favorite activity. But for most of us, commuting to and from work, school and errands is a necessary part of our daily routine. Although you can't stop driving altogether, there are lots of ways you can send less pollution into our air and water – and get the most out of those 70 bucks you just poured into your gas tank. Here are a few things you can do (or not do!) on the road to reduce your impact on the Chesapeake Bay – and save you a few extra gallons at the same time. Learn more...

[http://www.chesapeakebay.net/takeaction/howto/how\\_to\\_drive\\_the\\_bay\\_friendly\\_way](http://www.chesapeakebay.net/takeaction/howto/how_to_drive_the_bay_friendly_way)

### **Use Less Fertilizer**

If you think your lawn needs fertilizer, test the soil to learn how much to apply. Lawn fertilizer contains nitrogen, and too much fertilizer can hurt your lawn and the Bay. Be careful not to apply before a big rain, and keep fertilizer away from paved areas and waterways. Start adopting these Bay-friendly practices now - they will be required in 2013. More info... [http://www.mda.state.md.us/pdf/FertilizerLaw\\_Facts\\_final.pdf](http://www.mda.state.md.us/pdf/FertilizerLaw_Facts_final.pdf)

### **New Interactive Tool Measures Citizen Impact on the Environment**

Gauge how you stack up when it comes to sustainable living with the Maryland Genuine Progress Indicator (GPI) [Citizen Calculator](#). The interactive tool uses factors from individuals' economic, environmental and social activities to compute how their lifestyle affects the environment. This instrument is a more personalized adaptation of the [Policy Maker Calculator](#) that was released in January.

### **Tagged brook trout reveal the pristine health of Maryland's Savage River**

Check out the latest Chesapeake Bay Program video documenting Maryland DNR's efforts to monitor and protect native brook trout in the Upper Savage River in Garrett County. Thanks to Alan Heft and Matt Sell for showing us the ropes!

- Website: [http://www.chesapeakebay.net/videos/clip/from\\_the\\_field\\_brook\\_trout](http://www.chesapeakebay.net/videos/clip/from_the_field_brook_trout)
- YouTube: <http://www.youtube.com/watch?v=ViFdEccMNOQ>

### **Susquehanna River Water Trail Gains New National Designation**

SGHA News – We are pleased to share great news about a new national recognition for the Susquehanna River's cultural significance to our region, state and nation. On Wednesday, May 16th, Secretary of the Interior Ken Salazar designated four water trails as new historic connecting components of the existing Captain John Smith Chesapeake National Historic Trail. The Susquehanna River Water Trail's Lower Section, managed by the Susquehanna Gateway Heritage Area, is part of this designation, along with the entire 552-mile system of water trails along the main stem and West Branch of the Susquehanna in Maryland, Pennsylvania, and New York. The Secretary's designation recognizes the significance of the Susquehanna to the history, cultural heritage, and natural resources of the 3,000-mile-long Captain John Smith trail in the Chesapeake Bay. Our section of the river was the point of origin for the Susquehannock Indians' journey south to meet Captain John Smith in Maryland. The historic connector trail designation complements the water trail's National Recreation Trail status and reinforces SGHA's efforts to achieve designation of Lancaster and York Counties and the Susquehanna River corridor through our region as a National Heritage Area. We look forward to working with the National Park Service and other partners to realize the full potential of the water trail as a heritage and outdoor recreation asset for the economic benefit of our region. [Click Here](#) to read an announcement from the Chesapeake Conservancy with more details about this important new recognition for the scenic and historic Susquehanna and four other great rivers of the Chesapeake.

### **Saving a Stream? There's an App for That!**

An exciting new iPhone application was developed by IBM Research to allow citizens all over the world to monitor and report their watershed conditions. [Creekwatch](#) provides data for local water authorities to track pollution and better manage water resources. The app can be downloaded for free from the Apple Store. Once downloaded, users will take a photo of a waterway and submit information on water level, flow rate and presence of trash. This effort is an example of crowdsourcing, where individuals are encouraged to become engaged with their environment. All of the reports submitted are available online. The app is used in 25 countries so far. Watch the Video <http://www.youtube.com/watch?v=8tOkdlKm1Nc> to learn more. According to its March 2012 Newsletter, the Primrose Creek Watershed Association in Bucks County is piloting the new iPhone App.

### **Filamentous Algae**

If you have a pond on your property, you may have already started to see the growth of what looks like green string-like slime on the bottom of your pond. What you probably have is the beginning stages of filamentous algae. Many different species of filamentous algae exist, but all have a similar appearance and growth habit. These algae colonies begin their growth in the late winter and early spring on the bottom of the pond as warmer temperatures and sunlight activate the spores and surviving cells. Most filamentous algae growth begins in less than 3 feet of water where sunlight penetrates to the pond bottom. Single cells reproduce and join together into long hair like strands or colonies that grow toward the water surface. By mid-summer, these strands form large mats that trap gases, break loose from the pond floor and float to the surface. These floating mats normally begin to appear in July and may cover the entire pond by late summer. Read more...

<http://extension.psu.edu/water/discovery-watersheds/news/2012/filamentous-algae>

### **Resources for Drinking Water Education and Agricultural Risks**

FFA (formerly Future Farmers of America) recently posted 20 source water protection lessons for high school agricultural science students - available here. A product of a USDA-EPA partnership with FFA, the lessons are available online to FFA's network of over one million high school agriculture science students and their instructors. Content covered includes the water cycle, drinking water basics, the watershed approach, and agricultural conservation practices to protect water quality. Click here for more details

<https://www.ffa.org/FFAResources/ffalearn/sourcesofdrinkingwater/Pages/nosolicit.html#>. The instructional materials are related to water characteristics and contaminants, water regulations, drainage, and reducing the flow of nutrients into groundwater and surface water.

### **All the Water on Planet Earth**

How much of planet Earth is made of water? Very little, actually. Although oceans of water cover about 70 percent of Earth's surface, these oceans are shallow compared to the Earth's radius. The above illustration shows what would happen if all of the water on or near the surface of the Earth were bunched up into a ball. The radius of this ball would be only about 700 kilometers, less than half the radius of the Earth's Moon, but slightly larger than Saturn's moon Rhea which, like many moons in our outer Solar System, is mostly water ice. How even this much water came to be on the Earth and whether any significant amount is trapped far beneath Earth's surface remain topics of research. Look...

<http://apod.nasa.gov/apod/ap120515.html>



## **WATERSHED FINANCIAL ASSISTANCE**

### **NFWF Provides Native Plant Conservation Grant Opportunity – May 25**

The National Fish and Wildlife Foundation (NFWF) is soliciting proposals for the 2012 Native Plant Conservation Initiative (NPCI). This program funds multi-stakeholder projects that focus on the conservation of native plants and pollinators in the following six areas of focus: conservation, education, restoration, research, sustainability, and data linkages. Eligible applicants include 501(c) non-profit organizations as well as local, state, or federal government agencies. Projects require a minimum of 1:1 non-federal match by project partners. This could include in-kind contributions and volunteer hours. Pre-proposals must be submitted online through the NFWF until May 25. For more detailed information on this grant opportunity and to submit your pre-proposal application, visit the [NFWF website](#).

### **NRCS offers funding for planting cover crop mixes – May 30**

ANNAPOLIS USDA's Natural Resources Conservation Service (NRCS) will provide \$700,000 to help agricultural producers in Maryland plant cover crops this fall. Applications are accepted on a continuous basis, but the cutoff date for 2012 cover crop funding is set for May 30. This year, NRCS is offering financial assistance to help producers plant cover crop mixes. Farmers can choose from several mixture options that include annual grasses, legumes and brassicas. The Cover Crop Program is being offered as part of the Chesapeake Bay Watershed Initiative. Cover crops planted in the fall between harvest and planting of spring crops help reduce soil erosion, limit nitrogen leaching, suppress weeds, increase soil organic matter and improve overall soil quality. Cover crops increase surface cover, anchor corn and soybean residues, and increase water infiltration. Producers interested in applying for NRCS Cover Crop Program funding must submit applications through their local USDA Service Center. Service Center locations and more information on NRCS programs can be found at [www.md.nrcs.usda.gov](http://www.md.nrcs.usda.gov).

### **Game Commission Accepting Applications For State Wildlife Grants – Jun 5**

Game Commission Bureau of Wildlife Management Director Calvin W. DuBrock announced an invitation for project applications to the [State Wildlife Grants Program](#). Applications are due June 8. These projects will help address conservation needs through high-priority projects for endangered, threatened and at-risk species across Pennsylvania. The federal dollars for this program are awarded through the U.S. Fish and Wildlife Service's State Wildlife Grants Program. Grant recipients also contribute substantially to the project. Ultimately, the program represents a tremendous windfall for beleaguered Pennsylvania wildlife. Because distribution of SWG funds is based upon land area and population size, Pennsylvania has received a large proportion of these funds, ranking among the top six states in funding received to date. However, conservation needs annually outpace the funds available, so competition for funding remains fierce among prospective projects. The Game Commission hopes to finalize project selections in July and award contracts in early 2013. For more information on Game Commission priorities for the 2012 SWG call for projects and guidelines for project applications, visit the [agency's website](#).

### **Grant applications are now being accepted by the Wild Resource Conservation Program – Jul 2**

*The deadline for submission is July 2, 2012 at 3 PM.* Projects are being solicited in the following areas: Plants; Mammals; Reptile & Amphibians; Aquatic Invertebrates; Conservation; and Education. For detailed information about the 2012 grant priorities, and to apply, go to: <http://www.dcnr.state.pa.us/conservationscience/wrcp/grants/index.htm>. Questions, please contact Deb Miller at 717-787-3212 or e-mail me at [debmiller@pa.gov](mailto:debmiller@pa.gov).

### **New Webpage for Community Grant Resources**

The U.S. Environmental Protection Agency (EPA) is making it easier for communities to access its community-based grant resources. The Agency now presents a [calendar of upcoming 2012 grant opportunities](#) to help communities address environmental challenges. This page will be updated periodically to reflect upcoming EPA grant programs. In addition, EPA is offering a [Grants 101 Tutorial](#) to assist communities in understanding the grants process.

### **New "PENNVEST" Tab on PACD Website Provides Guidance to Access NPS Funding**

In an effort to provide greater access and awareness to vital funding opportunities to address Nonpoint Source Pollution (NPS) in our communities, the Pennsylvania Association of Conservation Districts has added a "PENNVEST" tab to its homepage that provides comprehensive guidance to access funding opportunities through the Pennsylvania Infrastructure and Investment Authority or PENNVEST. Aimed at curbing the three largest sources in Pennsylvania of stream impairment, the PENNVEST NPS Program provides low interest loans and grants for agricultural runoff, urban stormwater, abandoned mine drainage and brownfield stormwater projects. The new "PENNVEST" tab takes viewers through the PENNVEST NPS application process, serving as an online manual. While the tab is still under development, a number of helpful sections of the manual are available, including:

- A "Quick Guide" that outlines and explains the PENNVEST NPS program and procedures and provides an overview of the entire application process. The guide also explains what information is required when during the application, settlement and funds disbursement procedures;
- Frequently Asked Questions; and
- "The NPS Project Priority Rating System" section explains the criteria that DEP and PENNVEST use to score projects vying for funding. Each project is "ranked" relative to other NPS projects in the cycle; with the highest ranking projects given first consideration. Understanding the rating criteria helps applicants design and present projects that are more likely to be approved.

For more information, visit [www.pacd.org](http://www.pacd.org) and click on the PENNVEST tab; or contact Terry Fisher, the PENNVEST NPS Application Developer at [terry-fisher@pacd.org](mailto:terry-fisher@pacd.org) or 717-238-7223 x11. Terry is available to meet with individuals or groups to talk about the PENNVEST NPS Program.



## **WATERSHED FACILITATION ASSISTANCE**

### **3rd Annual Choose Clean Water Conference – Jun 4-6**

The Choose Clean Water Coalition will hold its third annual conference on June 4-6 in Lancaster, PA at the Marriott Lancaster at Penn Square. Join local watershed organizations, clean water advocates, and government officials from across the Chesapeake region for panel discussions, workshops, policy experts and networking opportunities to learn about the latest clean water solutions at the local, state and federal levels. Program highlights include: Grassroots Power Assessment workshop facilitated by State Environmental Leadership Program; Nutrient Trading Challenges and Opportunities; Developing and Implementing Local Stormwater Financing Solutions; Best Ideas in Local WIPs; Challenges to Addressing Water Impacts of Extractive Industries; Local Government Perspectives in Meeting Challenges of WIPs; Field Trips to Local Farms and Walking Tours of the City. To Register: <http://www.regonline.com/choosecleanwaterconf>

### **Pennsylvania Community Forestry Webinar – The Role of Trees and Forests in Managing Municipal Stormwater – Jun 5**

Tuesday, June 5, 2012 - Noon - 1pm. Presented by Vincent Cotrone, Extension Urban Forester, ISA Certified Arborist, Penn State Extension & the School of Forest Resources. As our landscapes change, it has an impact on the health of our streams and rivers. What to do on the land, or what we cover it with, affects the quantity (volume) and quality (pollutant levels) of the rainfall that enters our waterways - what many call stormwater. When it rains in urban and suburban areas, rainwater washes pollutants such as nutrients, chemicals and heavy metals off paved surfaces, lawns or bare soils into storm drains that lead to streams and rivers. Because of the increased amount of paved or impervious surfaces, larger quantities of rainwater reach the streams quickly causing flash flooding, streambank scouring and sedimentation of streambeds. Stormwater from urban and suburban areas has become a major pollutant in Pennsylvania impairing 4,170 miles of streams and accounting for one third of the problem facing our waterways. So how do these municipalities begin to reduce stormwater runoff and the pollution associated with it. Well, they can increase the size of underground pipes and the capacity of their sewage treatment plants which might cost billions of dollars. Or they can begin to look for some greener and cheaper solutions. One of those green and cheap solutions involves the planting of large canopy trees. Join us June 5th at noon for a webinar that will explore the role of trees and forests in managing municipal stormwater, presented by Vincent Cotrone, Urban Forester with Penn State Extension. This Pennsylvania Community Forestry Luncheon Webinar is part of a growing series to expand training and outreach opportunities on urban and community forestry topics. This webinar was developed through a partnership of Penn State Extension, DCNR Bureau of Forestry, Pennsylvania Community Forests and USDA Forest Service. <https://meeting.psu.edu/pacomunityforestry> (click on this link or copy and paste it into your browser window). Login in by registering as a guest (type your name).

### **PENNVEST, DEP Announce Second Nutrient Credit Trading – Jun 13**

HARRISBURG – The Pennsylvania Infrastructure Investment Authority and the Department of Environmental Protection announced today they will host a June 13 auction for the sale and purchase of nutrient credits in the Susquehanna and Potomac watersheds. This will be a so-called “forward” auction, where certified credits will be sold at auction, delivered later and applied to 2012 and future compliance years. The auction will afford wastewater treatment plants in these two watersheds the opportunity to purchase credits as a means of meeting their nitrogen and phosphorus discharge limits for the compliance years. PENNVEST is hosting the auction to encourage and facilitate the trading of nutrient credits in the Susquehanna and Potomac watersheds. DEP’s nutrient credit trading program provides a cost-effective means for facilities that are subject to nitrogen and phosphorus limits to meet those limits by working with other facilities, non-point sources or both. PENNVEST has chosen Markit Inc. to provide the platform for enrollment and eligibility, auctions and registry services. For more information, visit Markit Inc. at [www.Markit.com](http://www.Markit.com) and select “Environmental Registries.” PENNVEST anticipates charging buyers and sellers 2.5 cents per credit to offset administrative costs. For more information, visit [www.pennvest.state.pa.us](http://www.pennvest.state.pa.us) and click on “nutrient credit trading” on the left side of the page, or call Robert Boos (PENNVEST) at 717-783-4493 or Veronica Kasi (DEP) at 717-772-4053.

### **Green Infrastructure Training Announcement: Advanced Course being Piloted! – Jun 15**

Registration is now open for the July 2012 pilot offering of The Conservation Fund’s advanced green infrastructure course focusing on implementation! See below for more info on this course, as well as info on the intro-level green infrastructure course scheduled for the fall.

- GI 201 Pilot Course: Implementing Green Infrastructure at Multiple Scales July 16-19, 2012 in Shepherdstown, WV Application Deadline: June 15, 2012 – Description: This pilot course offering provides participants with applications and techniques for the implementation of Green Infrastructure at multiple scales. Building off of The Conservation Fund’s Strategic Conservation Planning Using a Green Infrastructure Approach Course, this offering will examine the next steps for on-the-ground implementation of green infrastructure focusing on how to obtain a maximum return-on-investment so that projects are streamlined and delivered at least cost, while retaining the viability of the network. The four-day course highlights leadership and stakeholder engagement, financing and network management, legal and regulatory issues, and support tools for the optimization of the decision-making process. Hear from expert green infrastructure practitioners as they discuss lessons learned on creating success and overcoming challenges, explore trends in implementation from urban to regional scales, and learn about the latest applications of green infrastructure as related to climate change, water, transportation, and ecosystem services. More info: [http://www.conservationfund.org/course/gi\\_201\\_implementing\\_green\\_infrastructure\\_multiple\\_scales\\_pilot\\_course](http://www.conservationfund.org/course/gi_201_implementing_green_infrastructure_multiple_scales_pilot_course)
- GI 101 Course: Strategic Conservation Planning Using a Green Infrastructure Approach September 10-14, 2012 in Shepherdstown, WV Registration Deadline: August 17, 2012 – Description: This introductory course provides participants with a strategic approach for prioritizing conservation opportunities and a planning framework for conservation and development - integrating the green and the grey. Through hands-on class projects, lectures, and numerous case studies, participants will experience firsthand how the green infrastructure approach can be used to connect environmental, social, and economic health across urban, suburban, and rural settings. Participants will also learn how green infrastructure planning can serve as a tool to inform land use decisions and build consensus among diverse interests. More info: [http://www.conservationfund.org/course/strategic\\_conservation\\_planning\\_using\\_green\\_infrastructure\\_approach](http://www.conservationfund.org/course/strategic_conservation_planning_using_green_infrastructure_approach)

### **2ND ANNUAL YOUTH KAYAKING EXPEDITION TRAVELING THE YELLOW BREECHES CREEK – Jun 17-19**

Camp Hill (5/15/12) - The Yellow Breeches Youth Sojourn, an educational paddling expedition for youth ages 11-15, will journey once again from Boiling Springs to New Cumberland, Sunday, June 17 to Tuesday, June 19, 2012. Participants will spend three unforgettable

days exploring 28 miles of the Yellow Breeches Creek with a colorful flotilla of other young people observing nature in real time, learning about conservation topics, and showing their commitment for a clean and healthy environment. Led by professional guides from Blue Mountain Outfitters and escorted by enthusiastic and capable adult leaders from local schools, outdoor groups, and area organizations, participants will paddle kayaks down this state scenic river and camp along its shores. They'll enjoy hearty group meals, engaging programs, musical entertainment, and much more. River sojourns are a Pennsylvania tradition. Every summer, individuals and families celebrate and discover the wonders of our rivers on these special voyages but the Yellow Breeches Youth Sojourn is the only sojourn exclusively for kids. Registration is \$95 and includes all meals, campsites, programs, safety/guide services, and shuttles. Participants are expected to provide their own kayaks but a limited number are available for those who need them. Scholarships covering the full registration fee are available on a competitive basis. The sojourn planning committee is also seeking high school students ages 16-18 to serve as junior leaders (reduced registration fee of \$75). Complete information on this leadership opportunity and all aspects of the voyage, including registration forms, can be found at [www.ybwa.org](http://www.ybwa.org). Registration ends May 25. Questions? Contact Brook Lenker, Event Chair: (717) 756-2637 or [brooklenker@comcast.net](mailto:brooklenker@comcast.net)

#### **BRINGING NATURE HOME – Jun 19**

A presentation sponsored by the Garden Club of York, the Penn State Extension Master Gardeners, and the York Audubon Society will take place at 7 pm on June 19 at St. Matthew Evangelical Church, 839 West Market St., York, Pa. The speaker is noted author and native plant expert Dr. Doug Tallamy. Tallamy will discuss the important ecological roles of native plants in our landscapes, including how to plant a better bird feeder, create a butterfly garden, as well as connect our fragmented landscape. Many people understand that we will not save our nation's biodiversity if we do not increase the amount of native plants in suburban landscapes, but they do not know how to create socially acceptable landscapes using native plants. They are concerned that: native plants are more prone to insect damage; a landscape dominated by natives is messy and wild; dense plantings cannot be attractive; and formal gardens cannot be designed with natives. Tallamy will dispel these misconceptions and suggest ways to make your property a showpiece without losing its ecological function in the local ecosystem. The 7 pm. Presentation will be preceded by a social hour and displays of local conservation organizations. Tickets can be ordered by mail by sending \$5 per ticket to: An Evening With Doug Tallamy, 112 Pleasant Acres Rd., York, Pa. 17402. Please make checks payable to: PSCE Program Fund. For more information, please call: (717) 428-1320 or email [priswald@comcast.net](mailto:priswald@comcast.net).

#### **Managing Your On-Lot Disposal System for Homeowners – Jun 19**

York Twp. will be hosting a free *Managing your OLDS for Homeowners* workshop on June 19, from 4:00-6:00 PM, at the township building on Oak Road. Residents will learn about proper septic system design, location, construction, operation, maintenance, and remedies for failing systems. An expert panel will answer homeowner questions and provide take home literature. To register, call 717-741-3861.

#### **APWA Sustainability in Public Works Conference – Jun 24-25**

As a public works professional, YOU are vital to the overall well-being of your community. Count yourself among the influential public works and sustainable infrastructure leaders who will join together to share solutions and strategize for the future. This is your chance to gather together and participate in a deep dialogue about public works' role in creating sustainable communities. June 25-24, Pittsburgh, PA.

<http://www.apwa.net/sustainability>

#### **PGC Wildlife Diversity Forum – Jun 28 & 29**

Great news! Through generous support from the Richard King Mellon Foundation, the Pennsylvania Game Commission and Wildlife For Everyone Endowment Foundation are pleased to offer a limited number of scholarships to cover the Wildlife Diversity Forum registration fee, meals during the conference and one night of lodging at the Ramada Inn, State College. Please note that federal and state agency employees are not eligible. To apply : Download and complete the scholarship application found on the PGC Wildlife Diversity Forum web page and email the application and Forum registration to [chaffner@pa.gov](mailto:chaffner@pa.gov) by 5 pm May 25 . Those who have already registered may still apply for a scholarship (one per organization please!). GENERAL REGISTRATION IS OPEN THROUGH MAY 25 . Space is limited – register today! Poster presentations : The poster abstract deadline has been extended to May 25 . We are seeking poster presentations related to research, habitat improvement, or conservation planning projects for the state's bird and mammal species of special concern. Visit the PGC Wildlife Diversity Forum web page for more details. Door prizes : Interested in promoting your organization? Bring a door prize to the event! Visit the PGC Wildlife Diversity Forum web page for more details <http://www.portal.state.pa.us/portal/server.pt?open=514&objID=1131495&mode=2>.

#### **National Conversation on the Future of Our Communities: Seeking New Ideas in Community Planning, Design, and Development – Jun 30**

Open Solicitation. Papers Due June 30th, 2012. Come Join the Conversation! What's your vision for the future of your community? Join the Smart Growth Network (SGN) in the first national conversation about how neighborhoods and regions could be planned, designed, and developed to meet the needs of current and future generations. This national conversation will occur over the next 12 to 18 months in a range of media, including a compendium of emerging issues, webinars, blogs, videos, and more. The first step in starting the conversation is to build a compendium of new and innovative ideas. SGN is seeking short papers that discuss a particular issue that communities will be facing in the next 15 years.

- How will neighborhoods and regions be planned, designed, and developed to meet the needs of current and future generations? How can practitioners and organizations best position themselves to navigate emerging trends?
- What issues do local governments, community leaders, and advocates need to be prepared to address to ensure strong, healthy, sustainable, and livable communities?
- How can governments, developers, investors, and others capitalize on increasing demand for communities that offer their residents choices in how they live, work, play, and travel?

Your answers to these and other questions will help inform SGN partner organizations, including government entities, nongovernmental organizations, and private-sector interests, on their strategies to help communities grow in ways that strengthen the economy, protect the environment, and improve the quality of life. Papers are due on June 30, 2012. A multidisciplinary review team will select between 20 and 40 papers to publish in a compendium before the 2013 New Partners for Smart Growth Conference. Selected papers will be considered for inclusion in the open and/or closing plenaries. After the conference, authors might be asked to participate in a webinar hosted by the Smart Growth Network. Additional information on the national conversation can be found at: [www.smartgrowth.org/nationalconversation](http://www.smartgrowth.org/nationalconversation).

### **Save the Date: 2012 Taste of the Chesapeake – Sep 20**

Save the Date for the 2012 Taste of the Chesapeake, held on September 20th at the Blue Heron Center at Quiet Waters Park in Annapolis, MD. This year's gala will once again offer an outstanding menu, music and dance, and presentation of the annual Environmental Leadership Award. Look for more information, in the coming weeks. For sponsorship opportunities, call 443-949-0575. Find out more information at <https://allianceforthebay.org/?p=2524>

### **Dive Deeper is Coming - Save the Date - Sep 27**

A multi-state environmental education summit spotlighting innovative teaching about water - Attention all informal and formal educators who teach youth about water (environmental educators, nature center directors, scout leader trainers, camp directors, curriculum coordinators, after school program educators, Envirothon coordinators, classroom teachers, extension educators, and more!!) You are invited to SAVE THE DATE, Thursday, Sept. 27, 2012, for an affordable day (approximately 9:00 a.m. - 3:30 p.m. - lunch included) full of great speakers, hands-on workshops, and idea sharing that will enhance your water education programming. Registration for the Dive Deeper Summit is coming soon!! Visit the website to register to receive information. Act 48 Credits will be available. For more information, contact Jennifer Fetter at (717) 921-8803 or [4HWater@psu.edu](mailto:4HWater@psu.edu). <http://www.surveymonkey.com/s/DiveDeeper>

### **SAVE THE DATES! CHESAPEAKE WATERSHED FORUM – Sep 28-30**

September 28 - September 30, 2012 at the National Conservation Training Center, Shepherdstown, West Virginia. Don't miss out on this excellent opportunity to share your experience with over 300 participants on the vital work that you are doing to restore and protect the Chesapeake Bay in your own local watershed. For more information go to <https://allianceforthebay.org/initiatives/connecting-people/chesapeake-watershed-forum/>.

### **Watershed and Stormwater Conference – Oct. 8-10**

Baltimore, MD. Watershed management has become a multi-disciplinary effort that engages an entire team, from the professional geologists and hydrologists who enhance our understanding of the movement of water across and under the land, to the scientists and engineers who conduct research and develop the tools for implementing best management practices, to the citizens who live in the watershed and witness the day to day activities that influence its health. [http://www.cwp2012event.awsps.org/program-information?utm\\_source=The+Conference+Agenda+Is+Here!&utm\\_campaign=CWP+Event&utm\\_medium=email](http://www.cwp2012event.awsps.org/program-information?utm_source=The+Conference+Agenda+Is+Here!&utm_campaign=CWP+Event&utm_medium=email)



## **WATERSHED TECHNICAL ASSISTANCE**

### **USDA's NIFA-CEAP Watershed Synthesis: Lessons Learned**

Key findings of Conservation Effects Assessment Project (CEAP):

- Conservation practices work.
- Comprehensive planning is needed because suites of practices work better than single practices.
- Targeting critical acres improves effectiveness significantly.
- Although gains have been made, critical conservation concerns still exist.

Key findings of ARS CEAP Watersheds— “While practices improved water quality, problems persisted in larger watersheds. This dissociation between practice-focused and watershed-scale assessments occurred because:

- Conservation practices were not [always] targeted at critical sources/pathways of contaminants;
- Sediment in streams originated more from channel and bank erosion than from soil erosion;
- Timing lags, historical legacies, and shifting climate combined to mask effects of practice implementation; and
- Water quality management strategies addressed single contaminants with little regard for trade-offs among contaminants.

NIFA CEAP Watershed Project Outputs:

- Agencies and producers must do a better job of selecting the correct conservation practices and implementing sufficient amounts in the appropriate critical areas.
- Conservation planners must do a better job of understanding the needs, work environment, family demands, and mindset of the end-users of conservation practices –farmers.
- Erosion control has increased substantially due to technological advances, price and labor pressures, and conservation programs. Much of the sediment is coming from streambanks and streambeds, not uplands.
- Controlling nutrient pollution will continue to be a significant challenge: management practices; farmer buy-in; antagonistic outcomes of conservation practices; significant coverage necessary; increased drainage; climate change

Water Quality Monitoring to Validate Effectiveness of Conservation Practices:

- Monitoring must be designed to meet specific objectives in a specific context; generic programs or past data are unlikely to be effective
- Understand the system being monitored –especially pollutants, sources, transport, and lag time
- Good monitoring is necessary, but also complex, technically challenging, and expensive. Resources spent on poor design and execution are often wasted.
- Knowledge of land use, management, and conservation practices is absolutely essential to understand effectiveness of conservation programs. Such data are often unavailable due to confidentiality or incomplete accounting.
- Taken in their aggregate, and with the new knowledge provided through the NIFA-CEAP projects, agencies (public and private), industry, and farmers and ranchers can increase the effectiveness of conservation practices and leverage public funds by reorienting conservation planning and implementation.

### **New Study: Nutrient Trading Could Lower Cost Of Chesapeake Bay Cleanup**

Nutrient credit trading could significantly reduce the billion-dollar price tag for cleaning up the Chesapeake Bay, according to a [new analysis](#) done for the [Chesapeake Bay Commission](#). According to the study developed for the Commission by RTI International, a prominent economic think-tank, the potential cost savings from nutrient credit trading could range from 20 percent to 80 percent, depending upon implementation parameters. Nutrient credit trading is a system that enables one pollution source to meet its pollution reduction goals by purchasing those reductions from another source. Sewage treatment plants, urban storm water systems, farms, and other sources are required by the federal Chesapeake Bay Total Maximum Daily Load (the Bay's "pollution diet") to reduce the amount of nitrogen and phosphorus pollution they contribute to the Bay. In the study, RTI estimated the potential cost savings when allowing for nutrient credit trading among several pollution sources (e.g., sewage treatment plants, urban storm water districts, and farms) within a variety of geographic regions (e.g., within a state, within a river basin, or throughout the entire watershed). A copy of the full study [is available online](#). For more information contact Ann Swanson, Executive Director of the Chesapeake Bay Commission, at 410-263-3420 or send email to: [aswanson@chesbay.us](mailto:aswanson@chesbay.us).

### **Riparian buffers a challenge for farmers**

*Western Farm Press* – Riparian areas around a farm field can pose a challenge for farming businesses. Not only do farmers have to be alert to the environmental consequences of altering or harming this area they also have to be aware of legal ramifications if any harm comes to the water and/or living organisms in the water. Special precautions need to be taken around these areas to prevent any adverse effect. Keeping our fields actively growing will help utilize any excess nutrients and reduce soil loss. Read more...

<http://westernfarmpress.com/management/riparian-buffers-challenge-farmers>

### **Newly Released: Recreation and Parks Handbook, 4th Edition**

The new fourth edition of the *Recreation and Parks Board Handbook* has been placed on our Bureau's website. Please spread the word that this new edition is available for free downloading. <http://www.dcnr.state.pa.us/brc/elibrary/brcpublications/index.htm>

### **New Tool Assists Preservation Efforts**

*The Official Map: A Handbook for Preserving and Providing Public Lands and Facilities* offers a method to help protect valuable water supply and water resource lands. The handbook outlines use of Official Maps as a tool to preserve public lands and facilities. There are approximately 64 municipalities and one county in Pennsylvania with adopted official maps as of early 2011.

[http://www.dcnr.state.pa.us/ucmprd1/groups/public/documents/document/dcnr\\_006241.pdf?utm\\_source=April+2012+WREN+E-News&utm\\_campaign=April+2012+E-news&utm\\_medium=email](http://www.dcnr.state.pa.us/ucmprd1/groups/public/documents/document/dcnr_006241.pdf?utm_source=April+2012+WREN+E-News&utm_campaign=April+2012+E-news&utm_medium=email)

### **"Banking on Green: How Green Infrastructure Saves Municipalities Money and Provides Economic Benefits Community-wide"**

This new report from the American Society of Landscape Architects, American Rivers, the Water Environment Federation, and ECONorthwest examines hundreds of case studies that show that green infrastructure practices often offer more cost-effective solutions relative to traditional infrastructure approaches. The report details potential benefits of green infrastructure such as lower energy expenses, reduced flood damage, and improved public health. See the report [www.americanrivers.org/.../banking-on-green-report.pdf](http://www.americanrivers.org/.../banking-on-green-report.pdf).

### **Rural Communities: Expanding Horizons**

Nearly two-thirds of all residents in small urban and rural communities have few public transportation options. This white paper from the American Public Transportation Association details the need for investment in public transportation in small urban and rural areas throughout the nation. Link: [Rural Communities: Expanding Horizons](#)

### **2009 train derailment apparently caused in part by a failed storm water retention pond.**

ASDSO Newsletter – As reported in last month's eNews, the National Transportation Safety Board recommended that several organizations, including ASDSO, inform their members of a 2009 train derailment apparently caused in part by a failed storm water retention pond, and emphasize the importance of periodically inspecting storm water management detention ponds. The NTSB issued its final investigation report on the train derailment. Among the findings:

- *A breach in the storm water detention pond documented in 2008 posed a downstream risk in the event of a heavy storm, and more timely measures should have been taken to restore the integrity of the pond.*
- *Regular inspections by government authorities of storm water detention ponds would reduce the likelihood of damage to property or injuries to people.*
- *The storm water drainage system in place in the area of the accident was inadequate as evidenced by the washout of the CN tracks on the day of the accident and by previous water damage to the track structure that occurred in 2006 and 2007.*
- *This accident demonstrates that storm water issues can affect more than one entity and can require that multiple entities work jointly to correct defects or inadequacies.*

Full NTSB Accident Report: [Derailment of CN Freight Train U70691-18 With Subsequent Hazardous Materials Release and Fire - Cherry Valley, Illinois - June 19, 2009](#)

### **WaterSense Interactive Water Budget Tool**

WaterSense created the Water Budget Tool as one option to help builders, landscape professionals, and WaterSense irrigation partners meet the criteria for the 2009 WaterSense Single-Family New Home Specification. The tool will help users determine if their landscape meets EPA's criteria for efficient outdoor water use. [http://www.epa.gov/watersense/water\\_budget/](http://www.epa.gov/watersense/water_budget/)

### **Resources for Volunteer Water Quality Monitoring Programs**

USDA, NIFA, and several participating land grant colleges and universities have partnered to create a comprehensive support system for Extension volunteer water quality monitoring and citizen science efforts across the country. The goal is to expand and strengthen the capacity of the existing Extension Volunteer Monitoring Network and to support development of new programs.

<http://www.uwex.edu/ces/csreesvolmon/>

**Soil erosion modeling: It's getting better all the time**

About 50 years ago, scientists at the U.S. Department of Agriculture (USDA) devised the Universal Soil Loss Equation (USLE), a formula farmers could use to estimate losses from soil erosion. Agricultural Research Service (ARS) scientists will soon release a version that integrates models generated by cutting-edge computer technology, an updated soils database, and new findings about erosion processes. ARS is about to release an updated universal soil loss equation that incorporates more intricate combinations of observation- and process-based science to produce the most accurate soil erosion estimates yet. Read more... <http://phys.org/news/2012-04-soil-erosion.html>

**YCCD Erosion & Sediment Control Program Updates**

Be aware of the following changes within our erosion and sediment control program:

- The District Board of Directors approved an updated District Service Fee Schedule (posted on our website at <http://www.yorkccd.org/erosion-and-sediment-control/> ) which will go into effect on **May 1, 2012**. All E&S plans submitted for District review and approval on or after May 1, 2012 will be required to use the new Application for District Services dated 4-19-12.
- PA DEP has finalized the E&S Program Manual - (see link at <http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-87792/363-2134-008.pdf> The link to the new manual is also located on our District website ([www.yorkccd.org](http://www.yorkccd.org)) The District recommends that you begin using the new manual on all new E&S plans however the District will continue to accept E&S plans that use the design guidance in the old (March/April 2000) Manual until **November 1, 2012**. All new E&S plans submitted after November 1, 2012 will be required to use the design guidance provided in the new E&S Program Manual. DEP is currently planning to schedule new Manual training for the regulated community sometime this summer. The District is also in the initial stages of planning a workshop for this September to address new E&S requirements, stabilization methods, and post-construction stormwater management issues. Please continue to check the District website for updates.
- DEP has published a new "Visual Site Inspection Report" (posted on our website at <http://www.yorkccd.org/erosion-and-sediment-control/> ) for use in completing the required weekly and after every runoff event self-inspection logs for general NPDES permitted sites. This new **2-page** form replaces the previous 7-page DEP form and the 3-page EPA form that we have distributed at preconstruction meetings for your use. Please plan on using this simplified form.

If you have any questions or concerns please feel free to email me ( [ejordan@yorkccd.org](mailto:ejordan@yorkccd.org) ). With the busy spring season upon us I prefer that you email me so we can avoid playing phone tag. Have a good day!

**NOTICES – Stream Redesignation Evaluations: Water Quality Standards Review**

[42 Pa.B. 2539] [Saturday, May 12, 2012] – Under 25 Pa. Code § 93.4d (relating to processing of petitions, evaluations and assessments to change a designated use), the Department of Environmental Protection (Department) gives notice that an evaluation will be conducted on all or portions of the following streams to determine the proper Aquatic Life Use or Special Protection designations in this Commonwealth's Water Quality Standards.

<b>Stream Name</b>	<b>County</b>	<b>Tributary To</b>
UNT (unnamed tributary) 08187 to South Branch Codorus Creek (locally known as Shaeffer Hollow), Basin	York	South Branch Codorus Creek
Beaver Creek, Basin	York	Susquehanna River
Cabin Creek, Basin	York	Susquehanna River

Persons who have technical data concerning the water quality, instream habitat or biological condition of these stream sections are encouraged to make it available to the Department for consideration in the assessment. These assessments may lead to recommendations to the Environmental Quality Board for redesignation. Data should be submitted to Tony Shaw, Division of Water Quality Standards, Bureau of Point and Non-Point Source Management, P. O. Box 8774, Harrisburg, PA 17105-8774, [tshaw@pa.gov](mailto:tshaw@pa.gov). Data should be submitted no later than 30 days following publication of this notice. Questions concerning this evaluation can be directed to Tony Shaw at (717) 787-9637. More information on stream redesignation notifications is available online at [www.dep.state.pa.us](http://www.dep.state.pa.us) (DEP Keyword: "Stream Assessment Notification").

**PADEP Proposals Currently Open for Comment**

<b>Date Published In PA Bulletin</b>	<b>Proposal</b>	<b>Comment Deadline</b>
4/21/2012	Draft NPDES General Permit for Discharges From Aquatic Animal Production Facilities (PAG-11) <a href="#">PA Bulletin Notice</a>	5/21/2012
4/21/2012	Draft NPDES General Permit for Discharges from Aquatic Animal Production Facilities to High Quality (HQ) or Exceptional Value (EV) Waters (PAG-14) <a href="#">PA Bulletin Notice</a>	5/21/2012
3/2/2012	General Plan Approval and/or General Operating Permit BAQ-GPA/GP-5; Natural Gas Production and/or Processing Facilities. (Comment Period Extended) <a href="#">PA Bulletin Notice</a> <a href="#">Permit Materials</a>	5/23/2012
5/5/2012	Nutrient Credit Trading Program; Notice of Inter-basin Trading Request <a href="#">PA Bulletin Notice</a>	6/4/2012
5/12/2012	Annual Air Monitoring Plan <a href="#">PA Bulletin Notice</a>	6/11/2012

