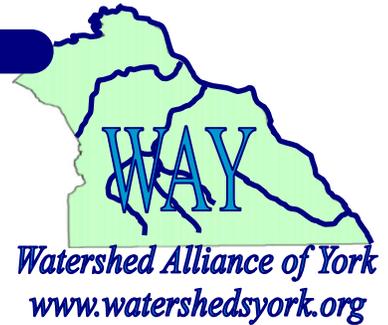


WAY E-NEWS

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



July 20, 2009

A PUBLIC-PRIVATE PARTNERSHIP

Volume 9, Issue 15

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- National Water Program Releases New Online Video

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

EMERGENCIES - (800) 541-4741

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

ENVIRONMENTAL - (877) 333-1904

- Air Pollution from burning materials other than household garbage
- Illegal dumping of wastes
- Encroachment on surface waters and floodways
- Groundwater contamination
- Industrial sewage problems
- Mining/quarrying operational problems (800) 541-2050
- Pollution of water supply wells
- Underground storage tank failures

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

- StormUlator
- Video Highlights Green Methods to Control Stormwater Runoff
- Helping Horse Owners Manage Manure
- Web-based Tool Interprets Water Quality Data
- Low Impact Development Fact Sheet Updated
- Low Impact Development Urban Design Tools
- Picturing Smart Growth
- Watershed Forestry Resource Guide
- Aquatic Invasive Species
- National Oceanic and Atmospheric Administration (NOAA) Climate Literacy Guide Available
- PA Bulletin Online – www.pabulletin.com
- DRAFT TECHNICAL GUIDANCE DOCUMENTS AVAILABLE
- Proposals Currently Open For Comment



WATERSHED ALLIANCE NEWS

Alliance for Aquatic Resource Monitoring (ALLARM) – www.dickinson.edu/allarm

- Earth Issues – Click for Earth Issues Events Schedule. Sponsored by the Environmental Studies Dept., Earth Issues is a presentation/discussion of environmental issues. Earth Issues is held on Tuesdays, from 12:00-1:00 PM in the HUB Siderooms. If you are a student, faculty member, alumnus or professional in the field of environmental studies or environmental science, and you are interested in presenting for an upcoming Earth Issues, please let us know.
- <> ALLARM at allarm@dickinson.edu or 717.245.1021. ALLARM Phone: 717.245.1135 fax: 717.245.1971

Alliance for the Chesapeake Bay – www.alliancechesbay.org/

- Join the growing Chesapeake Watershed Network – www.chesapeakekenetwork.org/profile.htm?mode=getagreement
 - Oct 9-11 – 2009 Chesapeake Watershed Forum Friday, (NOTE...This is a change from the previous announcement). National Conservation Training Center, Shepherdstown, WV. More details forthcoming on the Chesapeake Network website www.chesapeakekenetwork.org
- <> Contact: Donna Morelli, Director Pennsylvania Office, 3310 Market Street Suite A, Camp Hill, Pennsylvania 17011. Phone: (717) 737-8622 Fax: (717) 737-8650. E-Mail: acbpa@acb-online.org

American Rivers – www.americanrivers.org

- American Rivers Develops Messages for Change – Stormwater Communications Tutorial Now Online! Have you ever talked to a local leader and had their eyes glaze over when you began to talk about stormwater? When you say “LID,” what do people hear? If either of these questions interests you then you will benefit from the results of American Rivers’ research on how to develop a message about stormwater to prompt local leaders to take action for smarter stormwater solutions. Over the last years we interviewed and tested message concepts with a variety of local leaders around the Chesapeake Bay region and have used those insights to develop a process that you can use to create a message to enhance your advocacy strategy. Visit American Rivers on the web to watch or download the tutorial today www.americanrivers.org/stormwatermessaging.
 - Help Your Community – Organize a River Cleanup. Each year, an appalling amount of trash finds its way into our nation’s rivers and streams. You can help clean up your hometown river by participating in the [National River Cleanup™ program](#), sponsored by American Rivers. If organizers register their local river cleanup with American Rivers, they will receive a cleanup kit containing t-shirts, snacks and trash bags for each registered cleanup.
 - American Rivers Facebook – <http://www.facebook.com/pages/American-Rivers/117682905290>
- <> Contact: Liz Garland, Associate Director, Restoring Rivers Initiative, American Rivers, Pennsylvania Field Office, 355 N. 21st Street, Suite 309, Camp Hill, PA 17011. Phone: 717.763.0741

Capital Resource, Conservation & Development (RC&D) Area – <http://www.capitalrcd.org/noframes/index.htm>

- The Buy Fresh Buy Local Campaign continues to plan events and inform consumers of the many and varied opportunities to "taste the gifts of our region." Watch the Capital RC&D web site or the Pennsylvania Buy Fresh Buy Local web site (www.buylocalpa.org) for updates.
- <> Contact: Susan Parry, Coordinator, Capital RC&D Area Council, 4750 Lindle Road, Harrisburg, PA 17111. Phone: (717) 724-0009.

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

- Northern York County Region Comprehensive Plan - Transportation Amendment. Your input matters. Please [Take the survey...](#) The municipalities of Carroll Township, Dillsburg Borough, Franklin Township, and Franklintown Borough, in conjunction with the York County Planning Commission and Adams County, have initiated a Transportation Amendment to the Northern York County Region Comprehensive Plan that encompasses the Route 15 corridor from Carroll Drive to South Ridge Road, Adams County. This study will involve the identification of transportation improvements for the corridor, with a focus on short-term options that can be implemented quickly to improve operations and safety in the study area. If you have any questions, comments, or would like to be on a project update e-mail list, please contact Beth Nidam at the York County Planning Commission (bnidam@ycpc.org). More can be [found here](#)
- <> Contact: Deana Weaver at (717) 432-2211 or admin@carrollcitizens.com

Chesapeake Bay Foundation – www.cbf.org

- On July 7, 2009, CBF released *Bad Water 2009: The Impact on Human Health in the Chesapeake Bay Region*. The report links pollution to human health risks and calls on the federal Environmental Protection Agency (EPA) to act now to reduce that pollution and the potential threats to human health.

- A Statement on "[Chesapeake Bay Restoration: Status Report and Recommendations](#)" from CBF President Will Baker
- Read the [2008 State of the Bay](#) report
- EPA Bay Cleanup Czar [Pledges "Locked-In Accountability"](#)

<> Contact Kim Patten, PA Deputy Director & Grassroots Coordinator, Chesapeake Bay Foundation, 614 N Front Street, Ste G, Harrisburg, PA 17101. Phone: 717/234-5550, ext. 214. E-mail: KPatten@cbf.org. Web: www.cbf.org

Codorus Creek Improvement Partnership - 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

Codorus Creek Watershed Association - www.codoruscreek.net

- Oct. 12 - CCWA Member and Board meeting, 7:00 pm, at York Water Company's Mt. Rose Ave. Facility
 - CCWA to sponsor two Growing Greener Plus grants - Barshinger Creek Watershed Reescence Initiative and Glen Rock Floodplain Restoration
 - HELP-Buffers Program accepting applications for 2009 projects
- <> Contact: Jim Leaman at 843-2929

Conoquinet Creek Watershed Association - www.conocreek.org

- July 25 Creek clean-up I & Membership Picnic
 - July 25 Edu. grant awards
 - Aug 15 - Stream cleanup
- <> Contact: Gilbert Freedman, 49 Sample Bridge Road, Mechanicsburg, PA 17050. H: 717-697-2513. E-mail: gil491@verizon.net

Conewago Canoe Club - www.conewagocanooclub.org

- Aug 8 - Advanced Course Weekend
 - Aug 16 - Gunpowder
 - Aug 23 - Susquehanna River
 - Aug 29 - Club Picnic
- <> Questions or comments e-mail me oc1mike@comcast.net, but remember you catch more flies with honey than vinegar.

Deer Creek Watershed Association - www.harfordcountymd.gov/PlanningZoning/WRAS.

<> Contact Lee McDaniel at ldmcdaniel@aol.com.

Doyle Farm Nursery - www.doylefarm.com

- Sept 4 & 5 - Late Summer Sale
- <> For more information, please see doylefarm.com Open Houses/Events or contact us at jld@doylefarm.com.

Eden Mill Nature Center & Historic Mill - www.geocities.com/edenmillcalendar/EDENMill_New_W/Main_Indexx.html

Early August Programs:

- Family Twilight Canoe Trips Tuesday and Thursday evenings from approx. 5:45pm- 8:00pm; ages 6- senior. Fee: \$5/member OR \$8/non-member Join us for a guided hike, but on the water in a canoe! This program is designed to acquaint participants with the natural surroundings of Deer Creek.
- Critter Chow-down Wednesdays at 3:00pm; all ages. No fee. Join us in the nature center as we feed our critters. Take a turn feeding one of the turtles or fish! Watch as the snakes eat their lunch too!
- Nature Story time Thursday, August 6th and August 20th at 11:00am; all ages. Donation only to cover the cost of the craft Join us for a children's story and crafts related to a theme about nature. Families are welcome to bring a picnic lunch to enjoy after the program.
- Tiny Wonders- "Butterfly Wings" Saturday, August 8th from 10:00am-11:30am; ages 2-5. Fee: \$8/member with \$6/member sibling OR \$10/non-member. A former teacher works to cultivate a child's natural curiosity through stories, music, crafts, movement, and dramatic play.
- Family Campfire Wednesday, August 12 from 6:30pm-8:00pm; all ages. Donation only to cover cost of the smore supplies. Join us as we hear a presentation from Wildlife Rehabilitator Kathy Woods from the Phoenix Wildlife Center and then enjoy making smores around our campfire.
- Nature Nights Saturday, August 15th from 6:00pm-1:00pm; ages 4 -11. Fee: \$25/member or \$30/non-member. Join us on a Saturday evening to make a craft, take a night hike along the trails in the park, and watch a movie while your parents are out and about!

<> Pre-registration is required for all programs by calling 410-836-3050 or emailing edenmillnaturecenter@gmail.com. For more information, contact Eden Mill Nature Center, 1617 Eden Mill Road, Pylesville, MD 21132. Hours of Operation: Office Hours M-F from 9am-2pm; Nature Center and Historic Grist Mill Hours M-F from 9am-4:30pm, Sat. from 10am-3pm, and Sun from 1pm-5pm. As always, please call ahead to confirm 410-836-3050

Farm & Natural Lands Trust of York County - www.farmtrust.org

- The County of York's Bargain Sale funding agreement began in December of 2008 with two properties in Lower Windsor Township. With the Bargain Sale, the County of York pays land owners 33% of their conservation easement value. Watch for a number of properties to go through Bargain Sale in 2009. Special thanks to the County of York for providing this funding, making land preservation a viable option for many more property owners and maximizing county land preservation monies.

<> Contact: Sean Kenny at the FARM & NATURAL LANDS TRUST of York County, 156 North George Street, Suite 300, York, PA 17401. Phone - 717-843-4411 or skenny@farmtrust.org

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

- July 25th - Bost Dock Swap

- August 15 & 16 - Civil War Living History Weekend:
 - Halloween in the Park: Spots/sites are going fast! Reserve a spot and decorate it for Halloween. Family or business sponsors are welcome. All sponsors are required to provide "treats" for the children that "trick or treat" through the Loop.
- <> For more information contact Becky Miller at 632-6747 or email beckymill1@juno.com or Dave Carbaugh at 637-9875 or email carbaugh3@embarqmail.com

Greater Hanover Alliance - pwingert@legacycaps.com

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

Gunpowder Valley Conservancy - www.gunpowderfalls.org

- August 5, 2009 9 - 3 pm - Tree Maintenance Day, Loch Raven Reservoir
 - August 8, 2009 10-12 noon - Rain Barrel Workshop, Cromwell Valley Park
 - August 22, 2009 7-12 noon - Trail Maintenance Day, Loch Raven Reservoir
- <> TO VOLUNTEER OR REGISTER FOR FREE or for more information contact Peggy Perry, Program Director for Gunpowder Valley Conservancy at 410-668-0118 or email little-owl@msn.com.

Horn Farm Center for Agricultural Education - www.hornfarmcenter.org

Summer greetings from the Horn Farm Center! It's been an interesting summer so far, characterized by weather that seems a little different from what we're all used to. Here we are in mid July enjoying cooler-than-normal, comfortable temperatures while a few short weeks ago we were weary with the relentless rain that Mother Nature sent our way. This spring, our Community Gardeners and Pizza Patch participants waited patiently while garden site preparation was delayed by rain, rain, and then more rain! But, patience finally paid off and, if you drive by the farm now, you'll see carefully tended, lush gardens bursting with vegetables and the promise of later summer harvests. Read all about the gardening activities at the farm in the latest edition of "Around the Horn" and find out how the Boy Scouts and Girls Scouts in our community are working to help bring the Horn Farm vision to life. And...if you're looking for a fun way to find fresh, local produce and meet the growers, be sure to catch our front page article about the upcoming Farm stand Tour scheduled for August 8. Bigger and better than last year's tour! Hope to see you "Around the Horn" soon!

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

Izaak Walton League York Chapter - www.yorkchapter67iwla.org/

- Calendar of events 2009 - www.yorkchapter67iwla.org/id21.html
 - Sept 25-27 - NEW IWLY Outdoor Show 2009
 - 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.

Kings Gap Environmental Education Center - www.dcnr.state.pa.us/stateparks/parks/kingsgap.aspx

Early August Programs:

- Aug 1 - Volunteer Work Day 9:00 am - 12:00 pm. Volunteers are needed to help with park improvement projects including landscaping and trail maintenance. Spend quality in the great outdoors and meet other like-minded enthusiasts. Call 717-486-3799 by July 31 to register.
 - Aug 5 - Wednesday Hike for the Work Weary Time: 6:00pm-8:00pm. Back by popular demand a month earlier than last year! These free weekly hikes are briskly paced, approximately three miles long, over uneven terrain and include a 20 -30 minute break along the trail for a "bring-your-own brown bag dinner." Routes will vary each week. Hikers are responsible for their own food, water, and weather-appropriate clothing. Sturdy boots or shoes are a necessity. Meet at the Pond Area parking lot to depart promptly at 6:00 p.m.
 - Aug 8 - Galileo's Night Sky Time: 8:30pm-10:30pm. It's the International Year of Astronomy and Kings Gap will celebrate the 400th anniversary of Galileo's telescopic celestial observations. The evening will begin with a 45 minute indoor presentation on Galileo's contributions to the science of astronomy and an introduction to the celestial bodies he observed. Afterwards, everyone is invited onto the lawn to replicate Galileo's observations. This free program is recommended for ages eight and older. Meet at the education building in the mansion area. Binoculars, telescopes and lawn chairs are welcome. In case of poor weather, the program will be indoors only.
 - Aug 9 - Kayak Long Pine Run Reservoir. Novices as well as experienced paddlers are welcome to a 1.5 hour exploration of a quiet reservoir located in Michaux State Forest. This peaceful, 155 acre lake has approximately three miles of shoreline, most of which is mixed hardwood and pine forest. Kings Gap staff will provide a natural history program at each session. Single kayaks, paddles and life vests are provided. Basic instruction and safety procedures will be reviewed before launching. Please be aware of these safety restrictions when registering: „«Participants must be 12 years or older, and able to swim „«Each participant ages 12-18 must be accompanied by a parent or guardian „«300 lb. (individual) weight limit for kayaks Programs will be held at 3 pm or 6 pm on these dates: Sunday, June 21 Sunday, July 19 Sunday, August 9 Sunday, September 20 Sunday, October 18 (1 pm or 4 pm) Space is limited and registration is required at \$10 per person. Call 717-486-5031 to register for any sessions.
 - Aug 12 - Wednesday Hike for the Work Weary. Time: 6:00pm-8:00pm. Back by popular demand a month earlier than last year! These free weekly hikes are briskly paced, approximately three miles long, over uneven terrain and include a 20 -30 minute break along the trail for a "bring-your-own brown bag dinner." Routes will vary each week. Hikers are responsible for their own food, water, and weather-appropriate clothing. Sturdy boots or shoes are a necessity. Meet at the Pond Area parking lot to depart promptly at 6:00 p.m.
- <> Sitting astride South Mountain, Kings Gap offers a panoramic view of the Cumberland Valley. Sixteen miles of hiking trails interconnect three main areas and are open year-round. Kings Gap offers environmental education programs from the pre-school environmental awareness program to environmental problem solving programs. Visit our calendar of events online at <http://www.dcnr.state.pa.us/Calendar/list.asp?ICSORG=6320>. For more information and how to register, contact Kings Gap at (717) 486-3799. E-mail kingsgapsp@state.pa.us

[Susquehanna Heritage](http://www.susquehannaheritage.org/) - <http://www.susquehannaheritage.org/>

- York County Department of Parks and Recreation is proud to announce the release of a new guide "The Trailblazer: Your Guide to the York County, Pennsylvania Heritage Rail Trail County Park." The 31-page booklet includes information and the past, present and future of the popular recreational corridor. For the ease of reading, the booklet is divided into ten sections, each section covering a particular portion of the trail. Also included are a mileage chart, elevation diagram and history of the railroad, New Freedom Train Station, Hanover Junction Train Junction and Howard Tunnel. The booklet can be purchased at the York County Parks administrative office at Rudy County Park, Nixon County Park Nature Center, New Freedom Train Station and Hanover Junction Train Station. Also the booklets are available at the York County Heritage Trust museums in York and at the John and Kathryn Zimmerman Center for Heritage headquarters of the Susquehanna Gateway Heritage Area in Long Level. The booklet is \$5.00. The project was funded in part by the Susquehanna Gateway Heritage Area and by the Pennsylvania Department of Conservation and Natural Resources, Bureau of Recreation and Conservation, Pennsylvania Heritage Areas Program. All proceeds benefit the Friends of the Heritage Rail Trail Corridor. For this and other programs, go to www.yorkcountyparks.org.
- <> Contact Mark Platts, Lancaster-York Heritage Region, 1706 Long Level Road, Wrightsville, PA 17368. Office: 717-252-0229. E-mail: info@lyhr.org.

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

- ACTION ALERT: Write Congress and USGS to fund studies of Susquehanna Smallmouth "Gender-Bending"! Studies on the Susquehanna of intersex (male smallmouth with immature eggs forming in their sex organs) are very scary. According to USGS' Vicki Blazer who was one of the researchers, the amount of intersex in the Susquehanna is AT LEAST as bad as the Potomac, AND the severity is WORSE. This means that in the 150 smallmouth that they sampled in the Susquehanna nearly all showed signs of intersex and Suskie Smallmouth had more oocytes (immature eggs) than samples from any other mid-Atlantic river. I just got off the phone with the USGS Congressional liaison, and she said we have to ask for an earmark from Congress to specify the money needs to go to this research. The programs that should receive the money are the Toxics Substance Hydrology and/or the Chesapeake Priority Ecosystems program. We need approximately \$400,000 to test the existing fish samples for a range of contaminants AND to sample the pre-spawn females and test them as well. We do this by writing the Acting Director of USGS and our US Senators and Representatives. Please copy all the parties listed below. Explain that you use the river for commercial use (guides) or recreation; you have seen the dead fish and heard that funding was "redirected"; and you need the funding to come back to find the cause and solutions to our sick rivers. You can send letters to other public officials also, but these are the main ones to focus the federal money in our direction. Here are the contacts for lower Susquehanna Senators and Representatives at <http://www.lowersusquehannariverkeeper.org/>
- <> Contact: Michael Helfrich, Lower Susquehanna RIVERKEEPER®, York, PA. Cell phone: 717-779-7915 E-mail: lowsusriver@hotmail.com.

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

- Bernie Fowler Sees Sneakers Through 25.5 Inches of Patuxent. Former state senator proclaims "new day" for Bay restoration at 22nd annual river wade-in.
 - August 3, 2009; 5:30 PM - Upper Western Shore Trib Team Meeting, Harford Co., MD. Contact: mbilek@dnr.state.md.us for details.
- <> Contact: Mike Bilek, Tributary Team Coordinator, MD DNR, Tawes Office Building, Annapolis, MD 21401. Ph: 410-260-8988. E-mail: mbilek@dnr.state.md.us

[Mason-Dixon Trail Society](http://www.masondixontrail.org/) - <http://www.masondixontrail.org/>

- The next meeting and hike will be on Sept 20th in Gifford Pinchot Park. Check back here for more details later.
 - We have the new 2009 version of the trail map available
 - See our updated [Photos Page](#).
 - Hike 25 miles on both the Mason Dixon and Conestoga Trails on September 12 on the [Susquehanna Super Hike](#).
 - You need advance [permission](#) from [York County](#) to camp overnight at Apollo Park.
 - We are getting permission to cross a piece of land that the Archaeological Conservancy has just acquired with state help. The M-DTS is donating money toward the cost of the land. If anyone else wishes to contribute, scroll down to information about the Susquehannock village site at its [web page](#). Read more about it [here](#). Please mention the trail in your correspondence.
 - For other news, including the marathon runner on the trail, visit our website.
 - Student Essay About the Trail
 - Get your MDTS T-Shirt
 - Trail work on Thursdays
 - An Article about running the Trail
- <> Contact: James Hooper at james.hooper@worldnet.att.net.

[Messiah College](http://www.messiah.edu) - www.messiah.edu

- Yellow Breeches Stream Restoration Project - Contact Dave Foster, Biology Dept.
- <> Contact: Rebecca Owen, Local Community Service Director, Messiah College, PO Box 3027, One College Ave., Grantham, PA 17027. Ph: 717-796-1800 ext. 7255. Fax: 717-796-5221. E-mail: ServiceDay@Messiah.edu

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

- Jul 27 - MAEscapes Advisory Board meets, 6:30 pm, at the York County ANNEX.
 - Sept 26 - Fall Native Plant Sale & Open House
- <> Contact: 717-840-7408 or Connie Schmotzer at cxs51@psu.edu

[Pennsylvania Chapter - The American Chestnut Foundation](http://www.patacf.org/) - www.patacf.org/

- <> PATACF Penn State University, 206 Forest Resources Lab, University Park, PA 16803. Ph: 814-863-7192. E-mail: mail@patacf.org.

PPL Environmental Preserve - www.pplpreserves.com

- HIBISCUS WALK Brunner Island Environmental Preserve: Friday, August 14 at 9:00a.m. Join us for a lovely stroll led by Jim Smith, PPL Naturalist, exploring the Hibiscus Natural Area at PPL's Brunner Island. The halberd-leaved hibiscus, also called rose-mallow or Hibiscus militaris, is native to only a few areas in Pennsylvania. Please dress for the weather and wear proper footwear for hiking. The program, which is free and great for all ages, will begin at the Hibiscus Trail Head sign off Wago Road, south of the boat ramp. For directions, visit www.pplweb.com/brunner+island.

<> Contact: Karen Ament, Naturalist, Holtwood Environmental Center, 9 New Village Road, Holtwood, PA 17532. Ph: 717-284-6272 or email pplpreserves@pplweb.com.

PSU Cooperative Extension York County - <http://york.extension.psu.edu/>

- NEW GROUNDWATER WELL RESOURCE - <http://york.extension.psu.edu/NResources/PvtWtrSpilyInfo.htm> .

<> Contact Jeff Myers, Director, 112 Pleasant Acres Road, York, PA 17402-9041. Phone: 717-840-7408. Office Hours: 8:00 to 4:30. County Email: YorkExt@psu.edu.

Prettyboy Watershed Alliance - www.prettyboywatershed.org

- Tree-Mendous Maryland Program - The Baltimore County Department of Environmental Protection and Resource Management is once again pleased to partner with the Maryland Department of Natural Resource's (DNR) in the state's Tree-Mendous Maryland Program, by coordinating the free delivery of trees to citizens and community groups for planting in Baltimore County. For program details and ordering instructions, please go to www.baltimorecountymd.gov/Agencies/environment/education/ep_needtrees.html.

- The Growing Home Campaign - This Baltimore County DEPRM program provides homeowners with education about the multiple benefits of planting trees and a \$10 savings on the purchase of qualifying trees. For more information on the campaign or to download the coupon please go to <http://www.baltimorecountymd.gov/Agencies/environment/growinghome/index.html>

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

Red Lion Area High School - <http://rlashnature.wikispaces.com/>

- Red Lion Area Senior High School's Project N.A.T.U.R.E. was designed as a way to facilitate student learning through authentic, outdoor, hands on style learning activities. Although a trail existed through the wooded area behind the high school, a formal nature trail was not started until 1989 as an extension of the Envirothon club facilitated by Science Teacher and Envirothon Coach, Sandy Cooley with help from student volunteers and the community support from members of the Izaak Walton League.

<> Project Coordinator: Sarah Warner, Global Biology and Science Technology Teacher, Red Lion. E-mail: warnerse@rlasd.k12.pa.us

Shank's Mare "Go Play Outside" - www.shanksmare.com

- Opening June 2009 - "The Susquehanna House Art Gallery" featuring PA Arts Trail Artists
- Full list of 2009 programs now listed on "Activities" page

<> Contact: Liz Winand at 2092 Long Level Road, Wrightsville, PA 17368. Call: 717-252-1616. Fax: 717-252-0403. Email: shanksmare@comcast.net

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

- Thursday, Aug 20, 2009 - 5-7 pm - Happy Hour at Dockside Willie's in Lemoyne. Join us on the deck for an informal gathering.
- Tuesday, Aug 25, 2009 - 6:30 pm - GVP Excom Meeting, East Shore Area Library - All members welcome!

<> Kim Anderson at sgfornyc@aol.com.

Spoutwood Farm CSA - www.spoutwood.com

- Spoutwood Farm CSA finds that it could use a fourth apprentice. Low Pay, Hard Work, Enchanting Garden and People. Now until Nov 1. If interested, reply by email or 717-235-6610

<> Contact: Rob Wood, 717-235-6610, Spoutwood@supernet.com

Strawberry Hill Nature Center - <http://www.strawberryhill.org/>

- Adult Naturalists 3: Adaptations and the Environment August 5, 6:30 to 8 p.m. Third in a series of adult classes on nature-related topics. Register by August 4. Members, \$5; non-members, \$8.
- Dusk Discovery Walk 2 August 13, 7 to 8:30 p.m. Insects are the stars of this walk. Mating activity is at its height, and we'll be entertained by some talented invertebrate musicians. Register by August 12. Members, \$5; member families of five or more, \$25; non-members, \$8; non-member families of five or more, \$40; children under age 3, free.
- Adult Naturalists 4: Pond and Stream Life August 26, 6:30 to 8 p.m. Last in a series of adult classes on nature-related topics. Register by August 25. Members, \$5; non-members, \$8.

<> If you have questions, we hope you'll email us info@strawberryhill.org or give us a call at (717) 642-5840. You can also fax us at (717) 642-5803.

Susquehanna Greenway Partnership - www.susquehannagreenway.org

- Aug 7-9 - Annual Rod & Custom Cruise. Bloomsburg Fairgrounds.
- Aug 29 - Dandelion Run. The Dandelion Trail Run is a 5 and 10-kilometer entry-level race benefiting Camp Mount Luther, Mifflinburg. Runners decide on race day if they want to do a 5K or 10K (a double loop of the 5K). All miles are marked, and there's one water stop on the course. Timing is done electronically. The run was named in memory of the Rev. Glenn Heasley, whose favorite "flower" was the dandelion. Kids Fun Run! The age groups are 6 and under and 7 - 10. Special awards will be presented to every participant in the fun run. The fee for the kids fun run is \$1.00 and all proceeds from the kids run will benefit the Camper Scholarship Fund.

<> 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

Susquehanna Sustainable Business Network - <http://www.susquehannasbn.org/>

- Lancaster Sustainable Enterprise Stock Exchange LanX is a self-sustaining, locally governed, regional stock exchange that provides equity capital to small and medium size enterprises (SMEs) in South Central Pennsylvania. Companies seeking \$250,000 to \$10 million in a seven-county region obtain equity financing from individual and institutional investors, who in turn can trade the shares more widely on the LanX online platform. LanX helps SMEs go public, provides initial investors with privileged access to company shares, and facilitates secondary investment in firms by providing ongoing liquidity. LanX also acts as a normative agent of the community interest, reflecting concerns about ecological and social sustainability, and financial self-sufficiency. LanX operates as a not-for-profit social business, with a goal of self-sustaining revenues from commissions, fees and services. Excess earnings are reinvested in the business. The LanX goal is create a template for sustainable community financial self-sufficiency.

<> Contact: Lydia Sadauskas, Executive Director, ssbn can be reached by...email: info@susquehannasbn.org, phone: 877-500-6552, mail: Susquehanna Sustainable Business Network, P.O. Box 42, Marietta, PA 17547

Susquehanna River Basin Commission - www.srbc.net

- SRBC'S Proposed Changes Affecting Natural Gas Drillers and Energy Projects Open for Public Comments. SRBC is taking public comments until August 15 on proposed regulatory revisions [[click for regulations](#)] to streamline the use of SRBC-approved water for natural gas drilling in the Marcellus and other shale formations. The proposed revisions also clarify that large energy projects requiring federal licensing must obtain SRBC approval. [Read More](#)

<> Contact Susquehanna River Basin Commission, 1721 N. Front Street, Harrisburg, PA 17102. Phone: (717) 238-0423. Fax: (717) 238-2436. Email: srbc@srbc.net

Trout Unlimited Codorus Chapter #558 - www.codorustu.org

- Aug 12 - Monthly Chapter Meeting 7:00 p.m., Laughman's Sawmill pavilion
- <> Contact: Tom Finenze at 840-1372 or tom@codorustu.org. Cancellations due to winter weather will be announced here, and on WBSA Radio, 910 AM.

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

- Aug 19 - General Meeting 7:00pm at Co-op Nursery
- Rivers Conservation Plan - Muddy Creek TU has contracted with local firm Bucharth-Horn, Inc. to help prepare the plan. The firm's project manager, Jayson Romig, will attend the public meetings and answer any questions you may have about the project. If you have any questions regarding the meetings, please contact: Mr. Maurice Chioda, Muddy Creek TU, at muddycreektu@comcast.net
- <> Contact: Ron Heuston, President MCTU, 244-1851 or Heuy1955@aol.com

United Way of York County

- Sep 11 - United Way of York County's Day of Action! Contact The Volunteer Center at 717-846-4477). Project ideas: Office cleaning, painting, camp maintenance, landscaping, building shelves, providing a client picnic or party, cleaning carpets, delivering supplies, painting playground equipment, washing windows, stream cleanup, etc. It can be inside or outside, large or small. Register: register your project online at Volunteer Solutions. <http://volunteer.united-e-way.org/uwovc/agency/>. If you do not have this ability, contact The Volunteer Center 717-846-4477.
- <> Contact: Kim Goff goffk@unitedway-york.org

U.S. Geologic Survey - Pennsylvania - <http://pa.water.usgs.gov/>

- Sediment-Storage Capacity Change in Three Reservoirs on the Lower Susquehanna River, 1996-2008. U.S. Geological Survey in cooperation with the Pennsylvania Department of Environmental Protection completed bathymetric surveys of three reservoirs on the lower Susquehanna River to provide an estimate of the remaining sediment-storage capacity. Previous studies indicated the upper two reservoirs were in equilibrium with long-term sediment storage; only the most downstream reservoir retained capacity to trap sediments. Once the remaining sediment-storage capacity in the reservoirs is filled, sediment and associated phosphorus loads entering the Chesapeake Bay are expected to increase. Read more... <http://pubs.usgs.gov/sir/2009/5110/>.
- Researchers Compare Mercury Levels in Watersheds. The U.S. Geological Survey (USGS) recently published three articles on mercury transport, biogeochemical processes and bioaccumulation in stream ecosystems in Environmental Science & Technology. For more information, see <http://water.usgs.gov/nawqa/mercury/pubs>.
- Report Investigates Influences on Shallow Aquifer Water Quality. The U.S. Geological Survey collected and analyzed data from more than 400 wells in the shallow regional unconfined aquifer in the Northern Atlantic Coastal Plain (New York through North Carolina) to assess what natural and human factors influenced water quality. For more information, see the report "Natural and Human Influences on Water Quality in a Shallow Regional Unconsolidated Aquifer, Northern Atlantic Coastal Plain," at <http://md.water.usgs.gov/publications/sir-2008-5190>.
- Consortium for Scientific Assistance to Watersheds (C-SAW) is a team of specialists who provide eligible watershed groups or local project sponsors Program Management and Scientific Technical Assistance through the Pennsylvania Department of Environmental Protection's (PADEP) Growing Greener Program. The service is at no cost to eligible groups. <http://pa.water.usgs.gov/csaw/>
- <> Contact: Michael Langland, langland@usgs.gov.

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

Watershed Alliance of York - www.watershedsyork.org

- Oct. 7 - Meeting of WAY Board of Directors, 7:00 PM, at 324 W. Market St., York, PA.

- Sept 26 & 27 – 7th Annual Watershed Weekend 2009. Seeking forprofit, nonprofit, government agencies, watershed organizations, and other stakeholder groups interested in sponsoring conservation, education, or other hands-on activity that will encourage the public to get involved and learn about your watersheds. No fee. WAY provides advertizing and promotion and distributes WSWE tour guides to the public. For more information contact Gary Peacock at 717-840-7687 or e-mail gpeacock@yorkccd.org. Registration deadline July 31. We hope you join us in September!
 - 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 and be sure to enter WAY as the charity you want to support.
- <> Contact: Watershed Alliance of York, Inc. (WAY), C/o York County Conservation District, 118 Pleasant Acres Road, York, PA 17402. Phone: (717) 840-7430. Facsimile: (717) 755-0301. E-mail: gpeacock@yorkccd.org

Yellow Breeches Watershed Association – www.ybwa.org

- Strategic Planning Initiative Announcement – YBWA has initiated a strategic planning process. YBWA is being assisted in this effort by the Consortium for Scientific Assistance to Watersheds and the Alliance for Aquatic Resource Monitoring at Dickinson College. The goal is to have a draft strategic plan to present at the annual membership meeting to be scheduled in October 2009 with an initial draft to be reviewed at the YBWA board of directors meeting on September 9, 2009. The first strategic planning session was held at the new Lower Allen Township Municipal Build on Wednesday, July 8th, 2009. At the initial meeting, the existing mission statement, goals, history, activities and accomplishments of the YBWA were reviewed and discussed. The next strategic planning session will be held on Wednesday July 22, 2009 beginning at 6:00 PM at the new Lower Allen Township Building. The primary agenda item for this meeting will be to review and discuss strengths, weaknesses, opportunities and threats. Strategic issues will be identified as a basis for formulating goals and actions for prioritization. General members are welcome and encouraged to attend.
 - September 9, 2009 – YBWA Board Meeting
 - October 2009 – TBA - Annual Membership Meeting
 - December 9, 2009 – YBWA Board Meeting
- <> Contact: John Eby, President, at john_eby@lower-allen.pa.us

York-Adams Regional Smart Growth Coalition – NEW!

- 31 Jul – YARSGC-BOD meet 12:00 pm at RAYAC
 - 20 Aug. – YARSGC Public Forum; 8:30 am at RAYAC Offices, W. Manchester
- <> 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/>

- Audubon Pennsylvania <http://pa.audubon.org>
 - Important Bird Areas of Pennsylvania <http://pa.audubon.org/iba/>
 - Susquehanna River Birding & Wildlife Trail <http://web1.audubon.org/trailMaps/trail-guide/>
- <> Contact Tom Smith at 717-246-9767 or tls35@psu.edu.

YorkCounts – yorkcounts.org

- Engaging the next generation – Biloxi, Miss., is taking a different [approach](#) to supporting its young people with after-school and other programs, one that mixes community involvement, the mapping capability of the Web and the resources of Public Agenda's [Center for the Advancement of Public Engagement](#). Mapping Assets for Biloxi's Youth project uses technology to plot on a map all of the programs and community "assets" that serve youth in the area. Public Agenda, which advised Biloxi on the effort, said the list includes everything from "parks and break dancing groups to youth ministries, scholarships and summer camps." The project has [its own Web site](#) so people can report and describe the [assets they've found](#), as well as comment and discuss things as they move forward. They'll reconvene in person on July 24th to see how many things they were able to find and start thinking about how to better coordinate Biloxi's strengths on behalf of children and teens. Anybody else see the potential for doing something similar in York County? Services related to at-risk youth and their families come to mind first. How about jobs programs aimed at the unemployed and underemployed? Dan Fink
- <> Contact James DeBord, Director YorkCounts, 105 Leader Heights Road, Suite #2, York, PA 17403. P: 717/650-1500. C: 717/475-6785. Web : www.yorkcounts.org

York County – www.york-county.org

- Request for Proposals - Energy Efficiency and Conservation Strategy Services for Specified York County Facilities
 - Request for Proposals - Architectural Services Access Improvements York County Government Center
 - Discount Prescription Card Available
 - PUBLIC MEETING NOTICE - York County Consolidated Plan
 - Homeless Prevention and Rapid Re-Housing Program Substantial Amendment
 - Proposed Revisions to Local Civil Court Rules
 - York County's Gypsy Moth Suppression Program
- <> Contact the Board of Commissioners, Administrative Center, 28 East Market St. York, PA 17401-1588. Phone: 717-771-9964.

York County Agriculture Business Council

- The York County Agriculture Business Council and the Horn Farm Center for Agriculture Education are partnering to organize a York County Farm stand Tour! This Farm stand Tour will be held on Saturday, August 8 from 10 a.m. – 3 p.m. Guests visiting a set number of locations will be entitled to free peaches and ice cream at our two finale locations: Horn Farm Center and York County 4-H Fair.

<> Contact Michelle Grove, 1500 Felton Rd., Felton, PA 17322. Ph: (717) 246-3578. Em: ycabc@comcast.net

York County Agriculture Land Preservation Board – www.york-county.org

<> Contact Patricia McCandless, Director, 118 Pleasant Acres Road (Suite F), York, PA 17402. Hours of Operation (for business office): 8:00 a.m. - 4:30 p.m. Phone: 717-840-7400. E-mail: PMcCandless@york-county.org

York County Community Foundation – www.yccf.org

- If your municipality or organization would like to partner on a project, sponsor a project, or need free technical assistance leveraging resources to implement a project the York County Community Foundation's Codorus Endowment can help. Contact: Jake Romig, Coordinator, 848-4717 or e-mail jakeromig@ecoconstructionllc.net

<> Contact Jane Sload at 717.848.3733 or jsload@yccf.org.

York County Conservation Alliance - www.yorkcountyconservationalliance.org

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

York County Conservation District – www.yorkccd.org

- 13 Aug – District Board of Directors meeting, 7:00 PM, at ANNEX
 - CONSERVE RAINWATER FOR HEALTHY PLANTS! Affordable, high quality, pest safe Rain Barrels for sale–60 Gallon \$125 or 80 Gallon \$145. Sales tax included in price. All profits dedicated to funding the HELP-Streams Program of York County.
- <> Contact Mark Kimmel, District Manager, 118 Pleasant Acres Road, York, PA 17402. Phone: 717-840-7430. E-mail Yorkccd@yorkccd.org. Office hours: 8:30 AM-4:30 PM weekdays.

York County Planning Commission – www.ycpc.org

- July 30 – York County Consolidated Plan & Housing Component of the York County Comprehensive Plan
 - ARRA-Funded Programs
 - NSP - Neighborhood Stabilization Program
 - Northern York County Region Comp Plan Transportation Amendment - Info & Survey Link
 - Planning Commission Agenda
- <> Contact: 717-771-9870 or e-mail planner@ycpc.org

York County Parks & Recreation – www.yorkcountyparks.org

- August 1: County Park Hunting Permits Available Rudy Park & Nixon Park, 8:30 a.m. Available until November 21, 2009 (on-site approval at Rudy & Nixon Parks). NF.
- August 1: Nine in '09 Hike: Raab Park, 9–11 a.m. Of mines and bats is the theme for this hike lead by Jeri Jones, Program Coordinator. NF, pre-register at 428-1961.
- August 2: Wallace-Cross Mill Open House/ Harry Cross Story Day, 1:30–4:30 p.m. Tour guides will lead you through the inner workings of a restored water-powered gristmill and explain its history and the role mills played in our communities. All three floors contain displays about milling. Throughout the summer, public open houses will be held every Sunday. NF, NPR (donations appreciated).
- August 2: Incredible Insects, Nixon Park, 2:30–4 p.m. Local insect authority Ryan Bridge will lead an indoor in-depth look at insects. A close-up view of both local and exotic specimens will reveal an incredible array of creatures both amazing and beautiful. For ages 6 and up.
- August 2: Moonlight Boat Ride, Kain Park, Lake Redman Activity Area, 8:30 p.m. Take a quiet ride on Lake Redman after dark to explore the world of nocturnal life. You may use a County-owned rowboat, pedal boat, canoe or kayak or your private boat. Participants need to bring their own flashlight for each boat. Floatation devices and rowing implements are furnished. \$20/couple if using a County-owned boat or \$15/couple for a private boat. Add \$2 for each individual. Please pre-register by calling 840-7440.
- August 3: Moonlight Bike Ride, Rail Trail, Hanover Junction Parking Area, 8:30 p.m. Take a 9-mile ride under a bright moon detecting nocturnal life and astronomy, and hearing folklore and railroad stories. Light refreshments will be served at the conclusion of the ride. \$5, children under the age of 12 are free.
- August 4–7: Nature Discovery Program II, Nixon Park, 9–11:30 a.m. For ages 7–8. An interactive week combining both recreation and education. The children will investigate various natural history topics using hikes, projects, games and special presentations. \$55, please call 840-7440 to pre-register.
- August 4: Sunset Scramble Bike Ride, Rail Trail, Glatfelter Station Parking Area, 6:30–9 p.m. Take a 12- to 15-mile moderately paced ride for exercise and make friends with fellow riders. See historic structures such as Howard Tunnel, Hanover Junction Train Station and New Freedom Train Station. Each rider must have a helmet, a light and water. Bring money for a snack along the way.
- August 5: Small Wonders Series, Nixon Park, 10–11 a.m. Small Wonders Series is a program for young learners aged 3–5 to spend with a parent learning about nature. Children will role-play, imitate, image, question, and experiment with the help of an adult. This program will be held every Wednesday during the month of August. Each week will feature a new topic. Join a park naturalist for this fun-filled learning adventure. Pre-register at 428-1961.
- August 5: Spring/Summer Botany Class, Rocky Ridge Park, Wildlife Pavilions Parking Lot, 6–7:30 p.m. Join biologist Tim Falkenstein for a three-part series throughout the summer. Class will meet in different locations in the park each time. Learn how to identify a variety of plants ranging from forest trees to wetland plants to exotic species. Informational handouts will be available. Participants should be prepared to walk short distances on the trails.
- August 5: Moonlight Boat Ride, Kain Park, Lake Redman Activity Area, 8:30 p.m. Take a quiet ride on Lake Redman after dark to explore the world of nocturnal life. You may use a County-owned rowboat, pedal boat, canoe or kayak or your private boat. Participants need to bring their own flashlight for each boat. Floatation devices and rowing implements are furnished. \$20/couple if using a County-owned boat or \$15/couple for a private boat. Add \$2 for each individual. Please pre-register by calling 840-7440.

- August 6: Grandparents–Grandchild Camp, Nixon Park, 2–3:30 p.m. A four-week series of nature-based classes to be shared. Outdoor classes will focus on animals and explore a variety of habitats, with a different theme each week. For grandchildren ages 5 and up with a grandparent. \$40 for series, pre-register at 428-1961.
 - August 6: Evening Nature Camp, Nixon Park, 6–7:30 p.m. Children ages 7–10 can spend Thursday night for four successive weeks experiencing, exploring and learning about nature. This outdoor, hands on class will emphasize a fun educational approach, with a different theme each week. \$40 for series, pre-register at 428-1961.
 - August 8: Nine in '09 Hike: Rudy Park, Rudy Park, Main Parking Area, 9–11 a.m. This hike will explore the hedgerows and trails and a view of the summer landscape. Pre-register at 428-1961.
 - August 8: Garden Tours, Rudy Park, Administrative Headquarters, 9 a.m.–12 noon. Penn State Master Gardeners will give tours and answer questions about the many new annual and perennial flowers, vegetables, fruits and herbs planted in trail beds.
 - August 9: Wallace-Cross Mill Open House/ Harry Cross Story Day, 1:30–4:30 p.m. Tour guides will lead you through the inner workings of a restored water-powered gristmill and explain its history and the role mills played in our communities. All three floors contain displays about milling. Throughout the summer, public open houses will be held every Sunday. (Donations appreciated).
 - August 9: Traveling to Antarctica plus Global Warming and the Polar Regions, Nixon Park, 2:30–4 p.m. Dr. Charles Scharnberger, Professor Emeritus of Earth Sciences at Millersville University, will share pictures from his recent trip (as a tourist) to Antarctica. He also will review environmental changes that are occurring in both the north and south Polar Regions.
 - August 10–14: Archaeology Week II, Nixon Park, 9 a.m.–3 p.m. For ages 9–12. Co-sponsored with the York County Heritage Trust, this working week will be rewarding as students do “real archaeology” in Raab Park, site of the 19th century York Iron Company Mine. Each day, students will also be treated to special themes or tours provided by the Heritage Trust. Tours include the Colonial Courthouse, Gates House, Plough Tavern and the Agricultural and Industrial Museum (AIM). Students will also construct displays of artifacts found in Raab Park for exhibits at both Nixon Park and AIM. Transportation provided by Red Lion Bus Company. Students must supply their own lunch and beverage. \$125, pre-registration required by calling 840-7440.
 - August 11: Sunset Scramble Bike Ride, Rail Trail, Seven Valleys Parking Area, 6:30–9 p.m. Take a 12- to 15-mile moderately paced ride for exercise and make friends with fellow riders. See historic structures such as Howard Tunnel, Hanover Junction Train Station and New Freedom Train Station. Each rider must have a helmet, a light and water. Bring money for a snack along the way.
 - August 12: Small Wonders Series, Nixon Park, 10–11 a.m. Small Wonders Series is a program for young learners aged 3–5 to spend with a parent learning about nature. Children will role-play, imitate, image, question, and experiment with the help of an adult. This program will be held every Wednesday during the month of August. Each week will feature a new topic. Join a park naturalist for this fun-filled learning adventure. Pre-register at 428-1961.
 - August 12: Family Rambles, Rocky Ridge Park, Oak Timbers Parking Area, 6:30–7:30 p.m. Led by Parks Board member Anne Walko and her 7-year-old daughter, families are invited for five weeks of fun filled wanders every second and fourth Wednesday. This program’s aim is to leave no child inside as recent research finds that children who get outdoors are happier, healthier and smarter. For children who can walk one hour; adults must be accompanied by a child.
 - August 13: Grandparents–Grandchild Camp, Nixon Park, 2–3:30 p.m. A four-week series of nature-based classes to be shared. Outdoor classes will focus on animals and explore a variety of habitats, with a different theme each week. For grandchildren ages 5 and up with a grandparent. \$40 for series, pre-register at 428-1961.
 - August 13: Evening Nature Camp, Nixon Park, 6–7:30 p.m. Children ages 7–10 can spend Thursday night for four successive weeks experiencing, exploring and learning about nature. This outdoor, hands on class will emphasize a fun educational approach, with a different theme each week. \$40 for series, pre-register at 428-1961.
 - August 13: Raab Park Archaeology Walk, 6–8 p.m. Take a 1.5-mile stroll through history to visit the remains of the York Iron Company Mine. York County Parks Archaeology Week students will be in the middle of a hard-working schedule to uncover more of the mine’s history. Learn how archaeologists carefully work to record the information found. The existence of the narrow-gauge railroad and several mining structures are planned to be unearthed. Please call 428-1961 to pre-register.
 - August 15: Insect Safari, Grassland Jungle, Highpoint Scenic Vista, 10:30 a.m.–12 noon. Ryan Bridge, a 4-H entomology leader, will take you, nets skimming, into the tall grass. Catching and releasing will let you see up close the wide diversity of six-legged creatures that trying to survive in the meadows around the hilltop. Pre-register at 428-1961.
 - August 15: Public Star Watch, Rudy Park, 8–10 p.m. View the heavens through telescopes and binoculars. Come to the observatory and see planets, the moon, galaxies and nebulae and learn about each object. Also learn how to use your new telescope or get hints on what to purchase. Please bring a blanket or chair to sit upon if you desire. Event held if skies are partly cloudy to clear. Call YCAS at 578-9109 after 5 p.m. for the status of the Star Watch. More information can be found at www.ycas.org. Groups with ten or more people should place a courtesy call to 578-9109. NF, NPR.
- <> Contact ADMINISTRATIVE HEADQUARTERS (Located adjacent John Rudy County Park) 400 MUNDIS RACE ROAD. YORK, PENNSYLVANIA 17406-9721. TELEPHONE: 717-840-7440. FAX: 717-840-7403. Email: Parks@york-county.org



WATERSHED EDUCATION & OUTREACH

Ozone, Nitrogen Change the Way Rising Carbon Dioxide Affects Earth's Water

Science Daily (July 10, 2009) — Through a recent modeling experiment, a team of NASA-funded researchers have found that future concentrations of carbon dioxide and ozone in the atmosphere and of nitrogen in the soil are likely to have an important but overlooked effect on the cycling of water from sky to land to waterways. The researchers concluded that models of climate change may be underestimating how much water is likely to run off the land and back into the sea as atmospheric chemistry changes. Runoff may be as much as 17 percent higher in forests of the eastern United States when models account for changes in soil nitrogen levels and atmospheric ozone exposure. Plants play a significant role in Earth's water cycle, regulating the amount of water cycling through land ecosystems and how long it stays there. Plants draw in water from the atmosphere and soil, and they discharge it naturally through transpiration, the tail end of photosynthesis when water vapor and oxygen are released into the air. The amount of water that plants give up depends on how much carbon dioxide is present in the atmosphere. Studies have shown that despite a global drop in rainfall over land in the past 50 years, runoff has actually increased. Other

studies have shown that increasing CO2 is changing how plant "pores," or stomata, discharge water. With elevated CO2 levels, leaf pores contract and sometimes close to conserve internal water reserves. This "stomatal conductance" response increases water use efficiency and reduces the rate of transpiration. Plants that release less water also take less of it from the environment. With less water being taken up by plants, more water is available for groundwater or runs off the land surface into lakes, streams, and rivers. Along the way, it accumulates excess nutrients and pollutants before emptying into waterways, where it affects the health of fish, algae, and shellfish and contaminate drinking water and beaches. Excess runoff can also contribute to flooding. Sometimes rising CO2 has the opposite effect, promoting vegetation growth by increasing the rate of photosynthesis. More plant growth can lead to a thicker canopy of leaves with increased transpiration and less runoff. However, this effect has been shown to be smaller than the effect of reduced stomatal conductance. *Adapted from materials provided by [NASA/Goddard Space Flight Center](#).*

NOAA Reports Bay's Crab Population

While the overall crab population in the Chesapeake Bay rebounded significantly last year, the number of juvenile crabs remained well below the historical average, according to a report published by the NOAA-chaired Fisheries Steering Committee. The [2009 Chesapeake Bay Blue Crab Advisory Report](#), developed by the Chesapeake Bay Stock Assessment Committee, is based primarily on data collected in the 2008-09 bay-wide winter dredge survey, the most comprehensive and statistically robust annual blue crab survey conducted in the bay. The data show: Abundance of blue crabs over the age of one was 223 million, a 70 percent increase from the 2007-08 survey numbers. This was primarily due to an increase in abundance of spawning-age females. Since the winter dredge survey began in 1990, the average blue crab population in the bay has been 186 million.

- Bay-wide, numbers of juvenile crabs entering the population did not increase appreciably. There were an estimated 179 million juvenile crabs in the bay—well below the survey's long-term average of 258 million.
- The estimated 2008 harvest of blue crabs from the bay and tributaries was 48.6 million pounds—11 percent higher than the record-low 43.5 million pounds in 2007, but well below the long-term average of 74 million pounds.
- Based on these statistics, an estimated 48 percent of crabs were harvested from the bay by commercial and recreational fishers in 2008. That is below the overfishing threshold of 53 percent, but slightly above the target of 46 percent.

Scientists Forecast Smaller Low-Oxygen Zone in Chesapeake Bay This Summer

June 2009 – Scientists with the University of Michigan are predicting that the Chesapeake Bay's low-oxygen "dead zone" will be the smallest in eight years due to dry weather this winter and early spring. The Bay's low-oxygen zone is expected to shrink to between 0.7 and 1.8 cubic miles, most likely measuring 1.2 cubic miles, according to University of Michigan aquatic ecologist Donald Scavia. This would be the lowest level since 2001 and the third-lowest on record. The decrease is largely due to a dry spell that lasted from January through April, according to Scavia. However, wet weather in May and June may cause the size of the low-oxygen zone to be near the high end of the forecast range.

"While it's encouraging. Read more... http://www.chesapeakebay.net/news_09deadzone.aspx?menuitem=36813

Experts Find Possible Link Between Intersex Fish and Fish Kills

June 2009 – U.S. Geological Survey researchers have found a possible connection between the occurrence of intersex fish and fish kills and lesions on bass in the Potomac and Shenandoah rivers. In a [recently published study](#), USGS researchers showed that largemouth bass that were injected with estrogen produced lower levels of a hormone called hepcidin. In addition to regulating iron in mammals, hepcidin is suspected to act as an antimicrobial peptide in fish, frogs and mammals. Antimicrobial peptides are the first line of defense against disease-causing bacteria, fungi and viruses. The study showed that the estrogen blocked the production of hepcidin in fish that were exposed to bacteria, giving more weight to the theory that estrogen or estrogen-mimicking chemicals could be making fish more susceptible to diseases. . USGS researchers found intersex fish – or fish with both male and female reproductive traits – in the Potomac and Shenandoah rivers several years ago. Studies have shown that estrogen and estrogen-mimicking compounds can cause intersex traits to appear in fish. Learn more...

http://www.chesapeakebay.net/news_intersexfish09.aspx?menuitem=36641

Bay's geography means that not every pound of pollution needs a pound of cure

July/August 2009 – When a pound of nitrogen washes off the streets of Bowie, MD, and into the Patuxent River, almost every ounce will end up in the Chesapeake's tidal waters. When a pound washes into the Susquehanna River from Binghamton, NY-hundreds of miles upstream from the Bay -only about 60 percent will make it to the estuary. Yet nutrients from those widely separated areas have strikingly different impacts on the Chesapeake's oxygen-starved "dead zone." Every ounce of nitrogen that makes it out of the Susquehanna has three times the impact of deep water oxygen concentrations in the Middle Bay as the same amount originating above the Patuxent fall line. Such confounding issues now confront policy makers as they begin setting new nutrient reduction targets for each state, and each tributary: What is a fair share? Read more... <http://www.bayjournal.com/article.cfm?article=3628>

Action Alert! Will the PA budget gut environmental funding?

It doesn't have to. Responsible budgeting must rely on a combination of judicious cuts, thoughtful prioritization, and careful, targeted revenue generation. But proposed budgets currently under discussion slice into the very marrow of environmental funding. The very programs that protect our drinking water, forests, and open space are in serious jeopardy if one of these proposed budgets passes without the reprioritization of environmental funding and the addition of targeted new sources of revenue, like a severance tax, to help bridge the gap. You can help turn this tide. These decisions are being made now. Our legislators need to hear that environmental funding is a priority for Pennsylvanians. Please take a moment and [send a letter to your state legislators](#) asking them to a) prioritize environmental programs in the budget, and b.) make use of revenue opportunities, such as the state's "rainy day fund" and a severance tax on natural gas extraction, to protect the environment and local communities affected most from drilling. Thanks for standing up for our land, air, and water resources and helping ensure that environmental programs are given a fair treatment in this difficult budget! Kim Patten, PA Deputy Director, Chesapeake Bay Foundation.

Proposed Change to Clean and Green Program Will Improve Soil, Water Quality

The [Chesapeake Bay Foundation](#) last week applauded the [introduction of House Bill 1823](#) by Rep. Michael Sturla (D-Lancaster), a bill requiring all farmers participating in the "Clean and Green" preferential tax assessment program to have a soil erosion control plan in place for

their land. House Bill 1823 would require all current and future participants in the Pennsylvania Farmland and Forest Land Assessment Act, commonly known as the Clean and Green Program, to verify that they have a plan that complies with a long-standing state regulation requiring all landowners who plow or till more than 5,000 square feet to have an agricultural erosion and sediment control plan. Erosion control plans have been required since 1972 under the state's Clean Streams Law, but state officials estimate that as many as half of the state's agricultural producers don't have them. Existing participants in Clean and Green would be given four years to develop these plans if they do not have them already. The Clean and Green Program allows farmland and forest land to be assessed at its "use value" rather than at fair market value. The intent of the program is to encourage landowners to maintain land in farms and forests. The program saves farmers thousands of dollars each year in property taxes. Controlling soil erosion from all land uses is a fundamental strategy for Pennsylvania to comply with federal mandates to clean up local waterways and the Chesapeake Bay. Excess nitrogen, phosphorus and sediment pollution are chief causes of water pollution. Through improved farming practices, Pennsylvania farmers have already reduced nitrogen levels to the Bay by 18 million pounds per year compared to 1985 levels, the biggest reductions from any single source in any state in the Bay watershed. More reductions from agriculture and other sources will be required, however, and House Bill 1823 will lead to more farmers getting involved, and more pollution reductions being accounted for.

PUBLIC COMMENT SOUGHT ON RECOVERY ACT-FUNDED DRINKING WATER, WASTEWATER PROJECTS

HARRISBURG - The Pennsylvania Infrastructure Investment Authority and the Department of Environmental Protection will accept public comment on proposed drinking water and wastewater projects slated to be funded under the American Recovery and Reinvestment Act, DEP Secretary John Hanger announced today. The funding will be appropriated through the Clean Water State Revolving Loan Fund and Drinking Water State Revolving Loan Fund and will be used for design, engineering and construction of drinking water, wastewater treatment, green infrastructure and pollution abatement projects. A public meeting to receive comments will be held at 1 p.m. on July 29 in the Second Floor Auditorium of the Rachel Carson State Office Building, 400 Market St., Harrisburg. To offer comments at the public meeting, or in writing, contact DEP's Division of Technical and Financial Assistance at (717) 772-4053, or by e-mail to Veronica Kasi at vbkasi@state.pa.us. To be considered by the department and PENNVEST, the written comments must be received by the Division of Technical and Financial Assistance by close of business on Aug. 3. A copy of the intended use plans and the project priority lists is available by contacting DEP at (717) 772-4053 or online at: www.depweb.state.pa.us/watersupply/cwp/view.asp?a=1263&Q=448094&watersupplyNav=|30198. To learn more about how the federal Recovery Act will benefit Pennsylvania, visit www.recovery.pa.gov.

GAME COMMISSION ADDS 'HABITAT HAPPENINGS' TO WEBSITE

In its ongoing efforts to inform the public about work to improve wildlife habitats on State Game Lands, the Pennsylvania Game Commission website (www.pgc.state.pa.us) now features a "Habitat Happenings" section on the homepage. This new web feature focuses on habitat management practices used by the Game Commission to make lands more attractive and accommodating to wildlife. Each week, agency land managers and foresters will present a new journal entry or report of their activities afield in an effort to showcase what they do for both wildlife and recreationists on State Game Lands and lands enrolled in the agency's cooperative public lands programs. The entries will help the public appreciate the value of a dollar to wildlife managers and why lands for wildlife always need fieldwork. You'll also get a feel for what happens on state game lands when you're not there. It'll be a real eye-opener for many folks. We encourage Pennsylvanians to check in weekly to see and learn more about how these groups – and many agency conservation partners – do their jobs and make a tremendous difference for wildlife and the folks who enjoy wildlife and wild places. We certainly believe that this new feature will be of interest to those concerned about wildlife and the management of State Game Lands habitat, which is supported by funding from the Commonwealth's hunters and trappers.

Emerald Ash Borer Found In Armstrong, Washington Counties: Quarantine Expanded

[Emerald Ash Borer beetles](#) have been found near Brownstown, Kiskiminetas Township, Armstrong County, and Finleyville, Union Township, Washington County, bringing to nine the number of counties where the ash tree-destroying pest has been identified, Agriculture Secretary Dennis Wolff said this week. In response to this latest discovery, Secretary Wolff said a state-imposed quarantine is being expanded to include Armstrong and Washington counties. He reminded residents and visitors to use only locally harvested firewood, burn all of the firewood on-site, and not carry it to new locations. Emerald Ash Borer is a wood-boring beetle native to China and eastern Asia. The pest likely arrived in North America hidden in wood packing materials commonly used to ship consumer and other goods. It was first detected in July 2002 in southeastern Michigan and neighboring Windsor, Ontario, Canada. The beetle has since been blamed for the death and decline of more than 20 million ash trees in Michigan, Ohio, Indiana, Maryland, Virginia and Illinois. Typically, the beetles will kill an ash tree within three years of the initial infestation. Adults are dark green, one-half inch in length and one-eighth inch wide, and fly only from early May until September. Larvae spend the rest of the year beneath the bark of ash trees. When they emerge as adults, they leave D-shaped holes in the bark about one-eighth inch wide. There is no known practical control for this wood-boring pest other than destroying infested trees. People who suspect they have seen Emerald Ash Borer should call the department's toll-free pest hotline at 1-866-253-7189. For more information about the quarantine, contact Walt Blosser at 717-772-5205, and for more information about Emerald Ash Borer, contact Sven-Erik Spichiger at 717-772-5229. The national survey is being conducted in cooperation with U.S. Department of Agriculture's Animal and Plant Health Inspection Service, the United States Forest Service and the Department of Conservation and Natural Resources Bureau of Forestry. Information is also available at the [Emerald Ash Borer webpage](#).

Online Game Features Vermicomposting

The California Integrated Management Waste Board offers "The Adventures of Vermi the Worm," an animated, interactive online game that teaches the basics of vermicomposting and its benefits, plus other waste management strategies such as the "3Rs"—reduce, reuse and recycle. In vermicomposting, red worms consume food scraps and other organic matter and excrete it as worm manure, an organic material rich in nutrients that looks like fine-textured soil. Kids can go on an adventure with Vermi as he visits a school garden and hooks up with his buddies, Bubba the Worm, Hugh Hammer, Sunny Flower, and Trashcan. At each stop, kids will learn something about vermicomposting or the 3Rs. At the worm bin, kids will help regulate a worm's habitat; at the garden they'll do an experiment using vermicompost; with Trashcan they'll make choices on how to reduce, reuse, recycle and vermicompost items that sometimes end up in the garbage; and more. For more information, see www.ciwmb.ca.gov/Vermi.

Soil Education Materials Available

The National Association of Conservation Districts (NACD) is offering "DIG IT! The Secrets of Soil" education materials through its online store (www.nacdstore.org/soileducation.html). The materials correspond with NACD's 2009 Stewardship Week theme and the Smithsonian's National Museum of Natural History's ongoing soil exhibit. Materials include books, workbooks, posters, bookmarks and activity placemats. Prices range from \$8 to \$20.

Tubing at Gunpowder Falls

Beat the heat and see Gunpowder Falls in a new way by floating down the river! Gunpowder Falls State Park is offering a tubing trip for just \$5 a person, with tubes and Personal Floatation Devices (PFDs) included. This event is available to people ages 16 and older. You begin by meeting at Monkton Station at 12pm, hiking 1.8 miles and then leisurely floating for about two hours back to Monkton Station. Plan to arrive early, because getting a parking space will be difficult. This is a shine only event; you can call 410-472-3144 to check for cancellations. Wear sunscreen, a swimsuit and sturdy shoes. Sarah Witcher is planning this event; you may call her at 410-592-2897 or e-mail park-gunpowder@dnr.state.md.us for more information.

WATERSHED FINANCIAL ASSISTANCE

EPA to Award \$10 Million in New Climate Change Grants to Communities - Jul 22

PHILADELPHIA (June 24, 2009) - For the first time, EPA is making available up to \$10 million in Climate Showcase Communities grants to local and tribal governments. These grants are designed to assist communities to establish and implement climate change initiatives to help reduce greenhouse gas emissions. The agency expects to award approximately 20-30 cooperative agreements, each one ranging from \$100,000 to \$500,000. Approximately five percent of the funds (\$500,000) are set-asides for tribal governments. The grants are only available to government agencies such as local governments, federally-recognized Indian tribal governments, local public authorities, school districts, special districts, intrastate districts, councils of governments, regional or interstate government entities. The grants would be used to create models of sustainable community action, generate cost-effective greenhouse gas reductions, improve the environmental, economic, public health, and social conditions in a community, which can be replicated in other communities. A 50 percent cost-share is required for recipients, with the exception of tribal governments and intertribal consortia, which are exempt from matching requirements under this grant. In addition to funding, the grant program will offer peer exchange, trainings, and technical support to grant recipients. Each grant recipient will be profiled online and in EPA materials. The agency will share lessons learned from the grant program with communities across the nation. Proposals are due no later than July 22, 2009, at 4:00 p.m. EDT. Grants are expected to be awarded in January 2010. For more information go to: <http://epa.gov/cleanenergy/energy-programs/state-and-local/showcase.html> or in the mid-Atlantic region, contact: Andrew Kreider, 215-814-3301 or kreider.andrew@epa.gov. To download the Request for Applications go to: <http://www.epa.gov/air/grants/09-08.pdf>

NRCS Seeking Proposals for Conservation Innovation Grants - Jul 24

ANNAPOLIS, MD, June 23, 2009--The Natural Resources Conservation Service (NRCS) in Maryland is seeking proposals for Conservation Innovation Grants (CIG) for fiscal year 2009. NRCS Maryland anticipates that \$340,000 will be available to support this program. The CIG program is designed to stimulate the development and adoption of innovative conservation approaches and technologies. Applications are due by 4 pm on July 24, 2009. There are two CIG categories available in FY 2009: Natural Resource Concerns Category and Technology Category. Applications are requested from eligible governmental or non-governmental organizations or individuals for competitive consideration of grant awards for projects lasting from one to three years. Information on the objectives for CIG projects, the eligibility criteria for projects, and application instructions are available on www.md.nrcs.usda.gov/programs/cig/cig.html. Applications can be submitted electronically or mailed to NRCS; Attn: Tom Morgart, Maryland Farm Bill Program Specialist, 339 Busch's Frontage Road, Suite 301, Annapolis, MD 21409. Questions should be addressed to Morgart at (443) 482-2927 or thomas.morgart@md.usda.gov. Applications must be received in the NRCS Maryland State Office by 4 pm EST on July 24, 2009.

Department Of Agriculture Outlines Benefits Of REAP Farm Conservation Tax Credit - Aug 3

Pennsylvania farmers are making further investments in the environment by implementing on-farm conservation practices while enhancing their farm's production, thanks to the [Resource Enhancement and Protection tax credit program](#), or REAP. REAP encourages farmers to use conservation best management practices to reduce erosion and sedimentation impacting Pennsylvania's streams and watersheds. The program has proven to be an effective tool to reduce sediment and nutrient - specifically, phosphorous and nitrogen - runoff from their farms. Excess nutrients that exceed a waterway's absorption capacity become pollutants that destroy aquatic and plant life. Applications for the 2009-2010 program will be accepted by the commission beginning August 3, on a first-come, first-served basis. For more information about the program, contact Program Administrator Mary Bender at 717-787-8821 or send email to: mabender@state.pa.us.

Next H2O Water Infrastructure Funding Applications Due - Aug 4

The [Commonwealth Finance Agency](#) this week announced it will accept applications for the second round of H2O Water Infrastructure Funding until August 4, 2010. The CFA also approved \$590 million in flood control, water and sewer grants at its July 14 meeting. [A list of projects approved is available online](#) at <http://www.newpa.com/find-and-apply-for-funding/commonwealth-financing-authority/index.aspx>

DEP Now Accepting Applications for PA Energy Conservation Works Grants - Aug 14

The Department of Environmental Protection is now accepting applications for \$22.2 million in grants under its PA Conservation Works Program to fund energy efficiency, conservation and renewable energy projects by local governments and nonprofit organizations. Applications will be accepted from June 29 to August 14. ([formal notice](#)). At least 60 percent of the funding is reserved for local governments that are not eligible for direct formula grants under the federal stimulus energy programs. This includes boroughs, townships and cities with fewer than 35,000 residents and counties with fewer than 200,000 residents. Eligible projects may include energy efficient lighting, including streetlight or outdoor lighting; energy efficiency retrofits of existing buildings, including high efficiency furnaces, boilers and air conditioners, combined heat and power, energy efficient ventilation systems, windows, sealing and insulation, and automated control systems; energy efficiency upgrades at wastewater treatment plants; installation of geothermal heat pump systems; premium efficiency motors and variable speed

drives; and deployment of renewable energy technologies including solar energy, wind energy, fuel cells, biomass, biogas and low-impact hydro. All projects must save or conserve a minimum of 25 percent of all energy used. Renewable energy projects will be eligible if the project replaces at least 25 percent of the building or entity's energy use. DEP may award financial assistance in the form of grants of up to \$250,000. Multi-municipal projects (two or more units of local government sharing services and working together in the deployment of a project) may request up to \$500,000. All projects must create jobs, be able to start work within 6 months, and be completed within 18 months and prior to September 30, 2011. Guidelines and other information will be posted on the [www.Recovery.Pa.gov website](http://www.Recovery.Pa.gov). Applications must be submitted by means of the [Environmental eGrants system](#).

Foundation for Pennsylvania Watersheds Grants – Aug 21

The Foundation for Pennsylvania Watersheds is now accepting applications for grants to protect healthy, natural streams, clean up pollution, and restore degraded wildlife habitat. The next round of applications is due August 21, 2009. The Foundation for Pennsylvania Watersheds awards grants to 501(c) 3 nonprofit citizen groups. The primary service area is from the Ohio boarder to the main stem of the Susquehanna River. http://www.pennsylvaniawatersheds.org/?page_id=20

DEP Offers Nitrogen Tire Inflation System Grants – Aug 28

The Department of Environmental Protection is now accepting applications for Nitrogen Tire Inflation System Grants under the Alternative Fuels Incentive Grant Program. Applications are due August 28. The primary goals of this direct reimbursement Grant Program are to help improve vehicle fuel economy while reducing the consumption of imported oil, and to potentially extend vehicle tire wear over time. Funds awarded under the Grants Program can be used to reimburse a portion of the cost to purchase systems that deliver at least 95 percent nitrogen purity according to manufacturer specifications. Eligible applicants include automotive service providers who sell tires in the Commonwealth. Eligible applicants with 50 percent match of the total system cost may request up to \$5,000 reimbursement for systems purchased and installed after July 1, 2008. DEP said applications and guidelines will be posted on their website. The application package including guidance, instructions and application forms are also available by contacting the Department of Environmental Protection, Office of Energy and Technology Deployment, 15th Floor, Rachel Carson State Office Building, 400 Market Street, P. O. Box 8772, Harrisburg, PA 17105-8772, 717-783-8411.

Water Resources Education Network Grant Applications Due – Sep 1

WREN has Opportunity Grants available, small grants to community groups to carry out local watershed education projects. Projects must be completed by September 30. Maximum funding per project is \$300. Learn more at wren.palwv.org/grants

Recycling Performance Grant Applications Due To DEP – Sep 30

September 30 is the deadline for submitting recycling performance grant applications to the Department of Environmental Protection for calendar year 2008. ([formal notice](#)) For more information, visit DEP's [Recycling Grants webpage](#) or contact Mark Vottero, Bureau of Waste Management, Department of Environmental Protection, Rachel Carson State Office Building, P.O. Box 8472, Harrisburg, PA 17105-8472 or send email to: mvottero@state.pa.us.

Fund for Wild Nature – Nov 1

The fund for Wild Nature provides funding for campaigns focused on saving and restoring native plant species and ecosystems. The deadline is November 1, 2009.

<http://www.fundwildnature.org/proposal.html>

EJ Small Grants Program

This grant program provides support to communities that work together on local solutions for environmental or public health issues. It assists communities in creating collaborative partnerships.

<http://www.epa.gov/compliance/environmentaljustice/grants/ej-smgrants.html>

Department of Conservation and Natural Resources Electronic Grants System

The Department of Conservation and Natural Resources provides eGrants, an electronic grants system that contains all available DCNR grants. Applications can be submitted online.

<https://www.grants.dcnr.state.pa.us/index.aspx>

Small Business Low-Interest Rate Loans

The Small Business Pollution Prevention Assistance Account (PPAA) Loan Program provides low-interest rate loans for small business projects that reduce waste, pollution or energy use. The 2% fixed interest loans can fund 75 percent of the project cost to a maximum of \$100,000.

For more information, www.depweb.state.pa.us, keyword: PPAA. "

Keystone Historic Preservation Grant Program

This grant is available to nonprofits and local governments for preserving, restoring, and/or rehabilitating historic resources. It is a competitive matching grant with a maximum award of \$100,000.

<http://www.artsnet.org/phmc/grants.htm#clg>

Conservation Easement Assistance Program

Provided by the Pennsylvania Land Trust Association, this program assists with transaction costs for conservation easements, for a total of \$5,000 per easement transaction. The program assists with completing conservation and trail easements, amending and restating older easements, establishing or updating baseline documentation and installing signs on eased properties.

www.conserveland.org/ceap

Chesapeake Bay Watershed Initiative

Under the Chesapeake Bay Watershed Initiative (CBWI), eligible landowners can use available technical and financial assistance to address soil erosion, sedimentation, and excess nutrients in streams and waterways, as well as other related natural resource concerns such as air quality, wetlands, wildlife habitat, and forestry. Applications for CBWI will be accepted continuously and evaluated on a monthly basis. To apply, farmers must fill out an application form and contact their local NRCS office. Pennsylvania agricultural producers located within the Chesapeake Bay watershed may be eligible to apply. <http://www.pa.nrcs.usda.gov/programs/cbwi/index.html>

American Water Environmental Grant Program

Grants are provided for projects that improve, restore or protect a watershed.

<http://www.amwater.com/Ensuring-Water-Quality/environmental-grants-program.html>

Bridgestone Americas Trust Fund

This Trust provides charities with funding to support education, the environment/conservation, or children's programs.

<http://www.bridgestone-firestone.com/trustfund.asp>

WATERSHED FACILITATION ASSISTANCE

United We Serve - Jun 22 - Sept 11

United We Serve is President Barack Obama's extended call to service, challenging all Americans to help lay a new foundation for growth in this country by engaging in sustained, meaningful community service. United We Serve has an emphasis on community organization and resilience which are goals shared by Citizen Corps Councils and partners across the country. The United We Serve summer initiative is June 22 through September 11, 2009- the National Day of Service and Remembrance. [Serve.gov](http://www.Serve.gov) has several resources to help you spread the word on United We Serve, including: President Barack Obama and First Lady Michelle Obama's call to service videos, an online tool where individuals and groups can register their local preparedness projects, share success stories, and find local volunteer opportunities, and toolkits to help create new service projects. More information on EPA's three service programs visit www.epa.gov

SAVE THE DATE - JULY 30

Come and learn more about protecting the quality of your drinking water sources! In conjunction with the Adams County Water Resources Advisory Committee (WRAC), Adams County Conservation District, Adams County Office of Planning and Development, and the Watershed Alliance of Adams County, the Pennsylvania Rural Water Association will present a FREE half-day workshop on source water protection (SWP) for Adams County water systems and municipalities at the Adams County Emergency Services Training Facility on Thursday, July 30, from 8:00am to approximately noon. The workshop is open to, water system officials and operators, appointed and elected municipal and county officials, planners, members of organizations interested in protecting water resources, WRAC members and area water professionals. Attendees will learn how to use their source water assessment to develop a local SWP program and how SWP area management actions and contingency planning can reduce risks to the quality of drinking water sources. This session will also allow interaction with others in the county to exchange information about local drinking water protection efforts and activities that support those efforts. The workshop is worth four contact hours for eligible certified drinking water operators who attend the entire session.

Cover Crop Conference - Aug 6

A cover crop conference titled "Cover Your Soil for Profit and Clean Water" will be held on Thursday, August 6 in Martinsburg, PA. The pre-registration fee (before July 23rd) is \$15. After July 23rd, late registration is \$20. This includes lunch and breaks. Registration Information <http://www.pacd.org/fp/CoverSoil.pdf>.

FARMSTAND TOUR SITES ANNOUNCED - Aug 8

The York County Agriculture Business Council and the Horn Farm Center for Agriculture Education are partnering to organize a 2009 York County Farm stand Tour. The Farm stand Tour will be held on Saturday, August 8 from 10 a.m. - 3 p.m. Guests who visit three (3) of the participating Farm stands will receive free peaches & ice cream at either of the finale locations: the Horn Farm Center for Agricultural Education or the York County 4-H Fair. The goal of the tour is to encourage York County consumers to find and get to know their local market options. Buying local York County produced food guarantees freshness & quality, keeps money planted in our local economy and reduces the environmental footprint. Visitors may start their tour at any of the Participating Farm stands. At the first visit, they obtain a Farm stand Passport and then have it stamped at each Farm stand they visit. After successfully visiting three (3) farm stands, visitors may trade their passport for free ice cream and peaches from 11 a.m - 4 p.m. at either the: Horn Farm Center, 4945 Horn Rd, York-just north of the Hellam exit of Rt 30; or the York County 4-H Fair, 771 Stoverstown Rd, York, just off Rt 116 west of York. These finale locations will offer a variety of attractions. The Horn Farm Center will provide tours to introduce the farm and its plans for the future, community gardens & pizza patch projects. Bring your lawn chairs and enjoy musical entertainment as you eat your Jim Mack's Ice Cream and Flinchbaugh's Orchard peaches. The York County 4-H Fair will have Chicken BBQ dinners available for purchase at 11:00 a.m. until sold out. Perydell Farm's Ice Cream and Brown's Orchards' peaches will be served to Farm stand Tour participants. A variety of 4-H project exhibits will be on display. Animal shows, composting workshop, demonstrations, games and activities are scheduled throughout the day. Demonstrations include: Weaving, Chainsaw Carving, Blacksmithing, Seeing Eye Puppies and Dog Agility. The Weather Simulator, Smokehouse and Fire Engine will be open in the early evening. There are fifteen Farmstands, from Dillsburg to Delta, participating in the tour. Participating Farm stands are: Paulus Orchards in Dillsburg, Central Market House in downtown York, Brown's Orchards & Farm Market in Loganville, Brown's Farm Market & Garden Center in Emigsville, Dietz Produce in York (Hellam area), Flinchbaugh's Orchard & Farm Market in Hellam, Stone River Farm in Long Level, Kenmar Farms in York(Leader Heights area), Twin Pine Farm Country Store in York (York New Salem area), The Markets at Shrewsbury in Glen Rock, Spoutwood Farm CSA in Glen Rock, Swamp Fox Farms in Glen Rock, Shaw Orchards in Stewartstown, Creek Hill Dairy and Produce in Delta, and Delta-Peach Bottom Farmers Market in Delta. For more information, contact Michele Grove at 717-246-3578 or ycabc@comcast.net or visit www.hornfarmcenter.org.

2009 RiverStone Academy series. Getting It Done: Developing a Fundable Restoration Plan – Sep 15-17

Location: Canaan Valley Resort, Davis, WV. Length: 3 days. CEUs: 23 PHDs or 2.3 CEUs. Instructors: CVI and guest lecturers. Cost: \$950; includes instruction, CEUs, materials, books, field transportation, lunches, and snacks. Class size: 20 - 30 students. Register by: August 7, 2009. The focus of the course will be the process of performing watershed and stream corridor assessment, analyzing the information, developing a restoration plan, and implementing the plan via a case study. To demonstrate the process, a comprehensive case study will be explored. The importance of successful collaboration and cooperation of stakeholders and agencies will be emphasized. Several private, state, and federal funding mechanisms for restoration projects, including mitigation and mitigation banking, will be highlighted. The administrative components of a successful watershed management plan will be discussed, as will project management details such as scheduling and managing design work, coordination of construction crews and contractors, and recruitment and retention of volunteers. Register: http://www.canaanvi.org/education/ClassFiles/2009_FundableRestorationPlan.asp

7th WATERSHED WEEKEND – Sep 26 & 27

The Watershed Alliance of York (WAY) is excited to announce the 7th Annual Watershed Weekend, on September 26 and 27, 2009, in York County and beyond. The purpose of the Watershed Weekend is to increase public awareness about the importance of their watersheds to the local community, economy, and public health. The idea is to encourage as many conservation, environmental and watershed groups, local authorities and governing agencies, for-profits and non-profits, schools, and other stakeholder groups to plan and sponsor one activity locally that will draw people to your watershed and allow them to participate in some manner while learning more about your organization and watershed. Venue sponsors will be responsible for planning, staffing and facilitating one activity on the dates, times and location(s) of their choosing. Already have an activity planned between September 19 and October 4? Appropriate activities are eligible for inclusion in Watershed Weekend. WAY will serve a central coordinating role handling advertising and promotion and provide technical assistance for the venue, and our responsibility will be to get as many organizations and people involved in Watershed Weekend as possible. Financial assistance is available to sponsors of watershed cleanup activities to help defray the cost associated with waste disposal, handling, and transport. What type of venue should you sponsor? Experience shows us that people want to learn and engage in most hands on activities where they can see some results. Some examples for you to consider are educational workshops, litter cleanups, tree plantings, and outdoors recreational activities. Be creative and use your imagination! We recommend that you keep it simple, fun and safe. If you or your organization would like to sponsor a venue in your watershed, complete the 7th Annual Watershed Weekend Venue Registration and return it to us by July 31, 2009, either by mail, e-mail or fax. For more information about how to get involved in Watershed Weekend 2009, contact Gary R. Peacock of WAY by calling 717-840-7430 or e-mailing gpeacock@yorkccd.org. Learn more about WAY online at www.watershedsyork.org.

Water Availability, Variability & Sustainability (WAVS) Workshop Planned – Sep 29-Oct 1

The Association of State Drinking Water Administrators (ASDWA) will host a work shop in Denver, Colorado from September 29 - October 1, 2009 to set the stage for water resource scale coordination of adaptation to climate change impacts. The principal audiences are state and utility drinking water staff and state and local water resource planners and managers. All interested federal, state and local partner organizations are invited to attend but space is limited; please click on "conferences" at <http://www.asdwa.org/> for detailed meeting and logistical information.

2009 CHESAPEAKE WATERSHED FORUM – Oct 9-11

Come and join us for the fourth annual Chesapeake Watershed Forum from October 9 to 11, 2009 at the National Conservation Training Center in Shepherdstown, WV. Come and learn about how your organization can manage programs, finances and fundraise in these economic hard times. A sample of other session topics includes everything from TMDL's to affordable advocacy and communication tools to putting conservation into local municipal building codes. Come and hear Hedrick Smith as the keynote speaker Saturday, October 10. Smith is one of America's most distinguished journalists and is the senior producer of Poisoned Waters that aired on the PBS FRONTLINE program this past spring. Smith will highlight portions of Poisoned Waters in light of the Chesapeake Bay that is in perilous condition and facing new sources of contamination and what local citizens' groups can do to positively effect environmental change. Come and network with representatives from local watershed groups to state and federal environmental agencies from around the Chesapeake Bay watershed. Come and explore the local area filled with historic features and natural beauty. Registration is \$175.00 per person (includes meals and lodging) before September 1, 2009 (\$195.00 after September 1). Registration and additional information about the Forum will be available at the Alliance for the Chesapeake Bay's website at <http://www.acb-online.org/ChesForum2009.cfm>. We look forward in seeing you at the Forum in October!



WATERSHED TECHNICAL ASSISTANCE

Stroud Center's Sweeney Takes Leadership Role in International Barcode of Life Project

The [International Barcode of Life project](#), which hopes to assemble a DNA sequence library of the world's species using barcode technology, has appointed [Dr. Bernard W. Sweeney](#), Director of the [Stroud Water Research Center](#), to head its Freshwater Surveillance group. One of iBOL's ten working groups, each of which is focused on different organisms and environments, the Freshwater Surveillance group is particularly important as freshwater ecosystems are the most threatened by human activity, freshwater species are of particular socio-economic import, and they are also the standard metric used by scientists in environmental assessments such as water quality monitoring. Sweeney was selected for the role because of the Stroud Water Research Center's work using barcode technology to identify pollution-sensitive mayflies, stoneflies, and caddisflies, and his decades-long experience in freshwater research. Sweeney's group will initially concentrate on North America, working to create a freshwater "library of life" based first on museum collections of invertebrates most widely used for water quality assessment. The group will then compare the results of water quality assessments based on course identifications with those based on species level data. These pilot studies, he hopes, will validate the benefits of identification based on DNA barcoding and help solidify the required funding to take the program to Phase II and the rest of the world. With his appointment, Sweeney joins an elite group of scientists and a consortium of 25 countries with the common goal to revolutionize our ability to understand and monitor the world's biodiversity. Sweeney will continue in his current role as Director of the Stroud Water Research Center and will draw upon the Center's talent and expertise, as well as that of colleagues around the globe, while executing his new charter.

DEP RELEASES CLIMATE CHANGE ASSESSMENT REPORT

HARRISBURG – A shift in the ability of crops to thrive, increased building cooling costs and lower heating costs are among the possible impacts of climate change identified in the Pennsylvania Climate Impact Assessment, a report released today by the Department of Environmental Protection. “Climate change is long-term variations to daily weather patterns,” said DEP Secretary John Hanger. “Those variations can have positive and negative effects on various sectors of everyday life. This report presents an assessment of how climate change could potentially affect such things as human health, wildlife, recreation, agriculture, tourism and the economy in Pennsylvania for the rest of the 21st Century.” The report required by Act 70 of 2008 and compiled for DEP by Penn State University’s Environment and Natural Resources Institute is based on readily available data, scientific literature and quantitative analyses. Hanger said the report states temperatures and precipitation are likely to increase in the decades to come. Those conditions could lead to longer growing seasons, which could increase the yield of crops like corn and soy beans. But those same conditions could also lead to a decrease in the yield of cool-temperature adapted fruits and vegetables like apples and potatoes. Act 70 established the Climate Change Advisory Committee which is developing a climate change action plan that will include an inventory and forecast of greenhouse gas emissions in Pennsylvania and develop a series of strategies to reduce those emissions. To view the assessment report or for additional information, visit www.depweb.state.pa.us, keyword: Climate Change.

Webcasts: Managing Wet Weather with Green Infrastructure – (1) Retrofits: Green Streets and (2) Operation & Maintenance – Jul 28

For more information, see www.epa.gov/npdes/training

National Water Program Releases New Online Video

The National Water Program, a partnership of land grant colleges and universities and the U.S. Department of Agriculture’s Cooperative State Research, Education, and Extension Service, just released its latest issue of “The Fluid Planet,” an online video series. Available at www.csrees.usda.gov/newsroom/partners/fluid_planet.html, the videos highlight efforts to improve water quality and quantity. Featured programs include:

- The Rio Grande Basin Initiative is funding conservation projects at Texas A&M University and New Mexico State University to balance increasing demands on the Rio Grande River.
- The University of Idaho snow-pack study is helping forestland managers understand the impact of timber harvests on snowmelt and water supplies in the West.
- A team from three universities—Rutgers, Cornell and Virginia Tech—is touting the benefits of rain gardens for businesses and backyards to filter pollutants from storm water runoff.
- Researchers in New Mexico are studying new and old systems that use the Rio Grande River for irrigation. They’re testing state-of-the-art drip lines and ancient community waterway canals.

StormUlator

This free online runoff calculator estimates what practices might be needed to keep pre- and post-runoff volume the same on a particular site. The StormUlator is a public awareness tool developed by the California State Water Resources Control Board, University of California—Davis and the California Sea Grant Program. (www.stormulator.com)

Video Highlights Green Methods to Control Stormwater Runoff

EPA and the U.S. Botanic Garden have produced an online video, “Reduce Runoff: Slow It Down, Spread It Out, Soak It In,” highlighting the use of rain gardens, green roofs, rain barrels and cisterns to manage stormwater runoff. Green stormwater management practices not only reduce the volume of runoff at its source by capturing harmful pollutants but also improve air quality by planting trees to absorb erosion, reduce the urban heat islands effect and a community’s carbon footprint. The video highlights the green techniques displayed at the U.S. Botanic Garden’s 2008 Exhibit and at EPA headquarters in Washington, D.C. To watch the video, go to www.epa.gov/nps/lid. For more information on stormwater management, go to www.epa.gov/greeninfrastructure.

Helping Horse Owners Manage Manure

The Livestock and Poultry Environmental Learning Center now offers a series of Web-based resources on how to manage horse manure (see www.extension.org/pages/Managing_Horse_Manure). Topics include stall waste, barnyards, storing manure, spreading manure, off-farm disposal options and pasture management. The articles include an overview of each topic and provide links to additional information and resources.

Web-based Tool Interprets Water Quality Data

Colorado State University’s Water Quality Interpretation Tool (<http://wsprod.colostate.edu/cwis435/index.cfm>) helps people evaluate the quality of water for drinking, irrigation or livestock use by comparing water quality data provided by a certified laboratory with Colorado-specific and federal water quality standards. Although designed for use in Colorado, the tool presents valuable information about the suitability of water quality for particular uses and has wider applicability.

Low Impact Development Fact Sheet Updated

EPA recently updated the fact sheet titled “Incorporating Environmentally Sensitive Development into Municipal Stormwater Programs.” Although developed for EPA Region 3, the fact sheet includes concepts applicable nationwide. It explains how municipalities can encourage or require low impact development practices to meet stormwater goals. The fact sheet is available on EPA’s municipal stormwater Web site (www.epa.gov/npdes/stormwater/municipal) or directly at www.epa.gov/npdes/pubs/region3_factsheet_lid_esd.pdf.

Low Impact Development Urban Design Tools

Designed by the nonprofit Low Impact Development (LID) Center, this Web site provides guidance to local governments, planners, and engineers for developing, administering, and incorporating LID into their aquatic resource protection programs. Visitors can select icons to view sketches of a number of LID techniques dispersed throughout general land use settings to help them choose LID techniques for their site (www.lid-stormwater.net).

Picturing Smart Growth

The Natural Resources Defense Council (NRDC) and Urban Advantage partnered to develop an eye-opening Web site about smart growth potential. Using photo-editing software, Urban Advantage transformed pictures of communities from all over the country to show how they could become more aesthetically pleasing, walkable neighborhoods. Visitors to the NRDC Web site are presented with photo slideshows that progressively show possible changes, such as adding sidewalks, streets trees, bike lanes and mixed use buildings to an existing site. The Web site offers five featured scenarios, which provide detailed explanations and photos of how a particular site might be improved through smart growth principles. Visitors can also see a snapshot of what smart growth changes could look like at an additional 70 sites across the country via a Web mashup. Links provide visitors with more smart growth information and resources. (www.nrdc.org/smartgrowth/visions)

Watershed Forestry Resource Guide

This Center for Watershed Protection-sponsored site serves as a central source for resources related to forests and watersheds, and offers fact sheets, slideshows, training exercises and other tools, as well as links to research papers, reports and relevant Web sites. The site was developed in cooperation with the U.S. Department of Agriculture's Forest Service - Northeastern Area, with supplemental funding from The Home Depot Foundation. (www.forestsforwatersheds.org)

Aquatic Invasive Species

The spring 2009 issue of the national newsletter Volunteer Monitor (www.epa.gov/owow/monitoring/volunteer/issues.htm) focuses on aquatic invasive species. Articles include examples of case studies and techniques that volunteer monitors are using to assess the presence of aquatic invasive species, and precautions that monitors are taking to prevent cross-contamination of waterbodies.

National Oceanic and Atmospheric Administration (NOAA) Climate Literacy Guide Available

NOAA has released, Climate Literacy: The Essential Principles of Climate Science, a 13-page guide that includes information on how individuals and communities can help reduce climate change and its impacts. The guide is a product of the U.S. Global Change Research Program (GCRP) and was compiled by an interagency group, led by NOAA. The Climate Literacy guide supports the development of formal and informal educational materials about climate science, plus professional development opportunities for educators. In the document, eight principles and a host of supporting concepts list information for individuals and communities to know about Earth's climate. Statements include information about the impacts of climate change as well as possible approaches to adaptation or mitigation. Developers of the guide intend to integrate the framework into national and state education standards, and to support teacher workshops to ensure that educators are proficient in teaching the concepts of climate science. To view and download the guide, go to http://climate.noaa.gov/index.jsp?pg=/education/edu_index.jsp&edu=literacy.

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DRAFT TECHNICAL GUIDANCE DOCUMENTS AVAILABLE

As of Tuesday, July 21, 2009

ID NUMBER	DOCUMENT TITLE	DRAFT DATE	COMMENT BY	CONTACT	PHONE
563-2112-606 PDF File	Procedures for Establishing the Quantity of Water in Low-Yield Wells	6/27/2009	7/27/2009	Gregory Shuler	(717) 783-1199
362-4180-001 PDF File	Guidance for Civil Penalty Calculations for Effluent Violations	6/20/2009	7/20/2009	Robert Kachonik	(717) 772-4018
362-4180-002 PDF File	Civil Penalty Calculation Procedure for Pollution Incidents	6/20/2009	7/20/2009	Robert Kachonik	(717) 772-4018
362-4180-006 PDF File	Civil Penalty Assessment Informal Hearing Procedure	6/20/2009	7/20/2009	Robert Kachonik	(717) 772-4018

Proposals Currently Open For Comment

Date Published In PA Bulletin	Proposal	Comment Deadline
7/11/2009	Administration of the Water and Wastewater Systems Operators' Certification Program (25 Pa Code, Chapters 301, 302, 303 and 305) Published PA Bulletin Notice	8/10/2009
7/04/2009	Measures Under Consideration by the Ozone Transport Commission; Public Meetings and Comment Period Published PA Bulletin Notice	8/14/2009