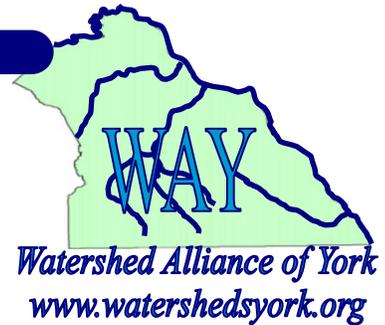


# WAY E-NEWS

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



August 17, 2009

A PUBLIC-PRIVATE PARTNERSHIP

Volume 9, Issue 17

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### 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

## WATERSHED ALLIANCE NEWS

### Alliance for Aquatic Resource Monitoring (ALLARM) - [www.dickinson.edu/allarm](http://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](mailto:allarm@dickinson.edu) or 717.245.1021. ALLARM Phone: 717.245.1135 fax: 717.245.1971

### Alliance for the Chesapeake Bay - [www.alliancechesbay.org/](http://www.alliancechesbay.org/)

- Join the growing Chesapeake Watershed Network - [www.chesapeakekenetwork.org/profile.htm?mode=getagreement](http://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](http://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: [dmorelli@acb-online.org](mailto:dmorelli@acb-online.org).

### American Rivers - [www.americanrivers.org](http://www.americanrivers.org)

<> 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>

<> 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/>

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

### Chesapeake Bay Foundation - [www.cbf.org](http://www.cbf.org)

<> 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](mailto:KPatten@cbf.org). Web: [www.cbf.org](http://www.cbf.org)

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

- Boat parade: August 29, 2009 - Join us as we continue the historic Boat Parade tradition at Yorkfest. We'll decorate our boats then follow our ancestors' route from what is now Bantz Park to the Foundry Plaza Boat Basin below Market Street. Bring your canoes, kayaks, or home-made watercrafts. We will arrive in downtown York between 2:30 and 3 p.m. Prizes will be awarded for the most creative, most historic, and Yorkfest favorite. There is NO FEE. You can join us in the parade by meeting before 1 p.m. at Bantz Park, at the south end of South Belvidere Avenue. We will launch from there about 2 p.m., and you can either paddle back up, or remove your boat at the Boat Basin between Market and Philadelphia Streets. If you have any questions, would like to register, or would like to be a prize sponsor, call Michael at Stewards of the Lower Susquehanna, 717.779.7915.
- <> Contact: Michael Helfrich, Codorus Creek Improvement Partnership, at 324 W. Market St., York PA 17401. Ph: 717-718-5431. E-mail: [info@codoruscreek.com](mailto:info@codoruscreek.com)

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

- Up the Creek Summer 2009 newsletter available on website!
  - Oct. 12 - CCWA Member and Board meeting, 7:00 pm, at York Water Company's Mt. Rose Ave. Facility
  - HELP-Buffers Program accepting applications for 2009 projects
- <> Contact: Jim Leaman at 843-2929

### Conodoguinet Creek Watershed Association - [www.conocreek.org](http://www.conocreek.org)

- Sept 9 Board meeting - Conodoguinet Creek Watershed Association Board of Directors Meetings are held the second Tuesday of the odd months at 7 pm, at the St. Stephen Lutheran Church, 30 West Carlisle Pike, New Kingstown, PA, 17072.
  - Sept 19 Stream Clean-up
  - Oct 3 (Silver Spring Twp) Fall Festival at Willow Mill Park
  - Nov 10 Annual Members Meeting, Board elections
  - Dec 7 Winter Watershed Mtg. Watershed boards guests of Cumber., Franklin Conservation Districts
- <> Contact: Gilbert Freedman, 49 Sample Bridge Road, Mechanicsburg, PA 17050. H: 717-697-2513. E-mail: [gil491@verizon.net](mailto:gil491@verizon.net)

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

- Sept 5-6 - Advanced Course Level 2 (Phase 1)
- Sept 19-20 - Advanced Course Level 2 (Phase 2)
- Sept 20 - Codorus Slalom
- Oct 3 - Advanced Course Level 2 (Phase 3)
- Oct 18 - Gunpowder Float (hope the trees are gone)
- Oct 24-25 - Yough Weekend

- Nov 7-8 - Tohicken Weekend
  - Fall North Branch of the Potomac
- <> Questions or comments e-mail me [oc1mike@comcast.net](mailto:oc1mike@comcast.net), but remember you catch more flies with honey than vinegar.

**Deer Creek Watershed Association** - [www.harfordcountymd.gov/PlanningZoning/WRAS](http://www.harfordcountymd.gov/PlanningZoning/WRAS).

- Maryland DNR's Rural Legacy Program ag-land preservation belt expands in Deer Creek Watershed to Pennsylvania boarder.
  - City of Aberdeen is petitioning SRBC to tap Deer Creek for additional water supply.
  - Comprehensive Rezoning initiative reaches climax in Harford County.
- <> Contact Lee McDaniel at [ldmcdaniel@aol.com](mailto:ldmcdaniel@aol.com).

**Doyle Farm Nursery** - [www.doylefarm.com](http://www.doylefarm.com)

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

**Eden Mill Nature Center & Historic Mill** - [www.geocities.com/edenmillcalendar/EDENMill\\_New\\_W/Main\\_Indexx.html](http://www.geocities.com/edenmillcalendar/EDENMill_New_W/Main_Indexx.html)

<> 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 or emailing [edenmillnaturecenter@gmail.com](mailto:edenmillnaturecenter@gmail.com)

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

- Downtown Hoedown September 24, 2009 - Agricultural and Industrial Museum, 217 West Princess Street in York, PA. Time: 5:30 p.m. cocktail hour and 7:00 p.m. live auction. Tickets: \$25 per person. For more information and a printable order form visit <http://www.farmtrust.org/image/Downtown%20Hoedown/Flyer%20&%20Order.pdf>
  - WISH LIST - Office Desk, Chairs, Office Supplies, and Stamps
- <> 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](mailto:skenny@farmtrust.org)

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

- 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](mailto:beckymill1@juno.com) or Dave Carbaugh at 637-9875 or email [carbaugh3@embarqmail.com](mailto:carbaugh3@embarqmail.com)

**Greater Hanover Alliance** - [pwingert@legacycaps.com](mailto:pwingert@legacycaps.com)

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

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

- Sept 12 10am-2pm - Stream Watch Training, Cromwell Valley Park
  - Sept 19 9am-1pm - Tree Planting TBD
  - Sept 26 9am-1pm - Tree Planting TBD
  - Oct 3 - Tree Planting, Perry Hall
  - Oct 10 9am-2pm - Trail Maintenance Workshop, Loch Raven Reservoir
  - Oct 17 9am-1pm - Tree Planting TBD
  - Oct 24 9am-1pm - Tree Planting, 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](mailto:little-owl@msn.com).

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

- Sept/Oct - FALL LOCAL HARVEST POTLUCK TBA
  - Dec - 'HOLIDAYS AT THE FARM
- <> Contact: Horn Farm Center for Agricultural Education, 4945 Horn Road, York, PA 17406. Phone: (717)654-0571. Email: [info@hornfarmcenter.org](mailto:info@hornfarmcenter.org). Web: [www.hornfarmcenter.org](http://www.hornfarmcenter.org).

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

- Calendar of events 2009 - [www.yorkchapter67iwla.org/id21.html](http://www.yorkchapter67iwla.org/id21.html)
- Sept 25-27 - NEW IWLY Outdoor Show 2009. Silent Auction, Block Shoot, Pistol Shooting Gallery, Trap Shooting, 3D Archery Shoot, Trout Pond, Bake Sale, Games, Kid's Fishing Derby, Food, Other Kid Activities, Bob's Critters. & Much More! Admission: ONLY \$5 parking fee per vehicle per day
- 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](http://www.dcnr.state.pa.us/stateparks/parks/kingsgap.aspx)

- Sept 2 - Oct - Wednesday Hikes for the Work Weary Time: 6:00pm-8:00pm
- Sept 5 - Volunteer Work Day Time: 9:00am-12:00pm

- Sept 6 - Buck Ridge Brunch Time: 8:30am-1:00pm
  - Sept 12 - Family Camping for Beginners Time: 1:00pm-11:00am
  - Sept 13 - Rodents Revealed Time: 2:00pm-3:30pm
  - Sept 18-20 - Mountain Retreat Weekends Time: 7:00pm-12:00pm
  - Sept 19 - Orienteering for Beginners Time: 10:00am-1:00pm
  - Sept 20 - Kayak Long Pine Run Reservoir Time: 3:00pm-5:00pm
  - Sept 24 - Pennsylvania Land Choices For educators of grades 6-12; 6 Act 48 hours available; PDE approved. Time: 9:00am-4:00pm
  - Sept 26-27 - Backpack South Mountain Time: 9:00am-5:00pm
  - Sept 26 - National Public Lands Day Time: 9:00am-1:00pm
  - Sept 27 - Bike the Cumberland Valley Rail-Trail Time: 2:00pm-4:00pm
- <> 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](mailto:kingsgapsp@state.pa.us)

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

- 29 AUG - Historic Codorus creek boat parade. Meet at Bantz Park for 1 PM launch. Fun-filled day of boating on the Codorus!
- <> Contact: Michael Helfrich, Lower Susquehanna RIVERKEEPER®, York, PA. Cell phone: 717-779-7915 E-mail: [lawsusriver@hotmail.com](mailto:lawsusriver@hotmail.com).

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

- Please see the link for the 2 year milestones which are so important in the team's work going forward.
    - See this website for the 2 year milestones. [http://archive.chesapeakebay.net/pressrelease/EC\\_2009\\_allmilestones.pdf](http://archive.chesapeakebay.net/pressrelease/EC_2009_allmilestones.pdf)
    - See this website on WWTP upgrade status [http://www.mde.state.md.us/Water/CBWRF/pop\\_up/enr\\_status\\_map.asp](http://www.mde.state.md.us/Water/CBWRF/pop_up/enr_status_map.asp)
- <> Contact: Mike Bilek, Tributary Team Coordinator, MD DNR, Tawes Office Building, Annapolis, MD 21401. Ph: 410-260-8988. E-mail: [mbilek@dnr.state.md.us](mailto:mbilek@dnr.state.md.us)

#### Mason-Dixon Trail Society - <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
  - Trail work on Thursdays. To volunteer contact Jim Hooper.
- <> Contact: James Hooper at [james.hooper@worldnet.att.net](mailto:james.hooper@worldnet.att.net).

#### Messiah College - [www.messiah.edu](http://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](mailto:ServiceDay@Messiah.edu)

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

- Sept 19 - Fall Native Plant Sale & Open House. Educational programs to be announced.
- <> Contact: 717-840-7408 or Connie Schmotzer at [cxs51@psu.edu](mailto:cxs51@psu.edu)

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

- Oct 1 - PA-Community Food Expo 3:30pm - 6:30pm, Shippensburg University, Shippensburg, PA. It will be a farmers market with about 14 vendors, educational exhibits, band/music, etc. Contact the Leffel Center for details. 814-863-7192
  - Oct 2 - PA- Farm City Day 10am - 2pm. PA Farm Show Complex, Harrisburg, PA. More than 1,000 students discover Pennsylvania Agriculture. Contact Brynn Keplar 717-787-4627 for more information.
- <> PATACF Penn State University, 206 Forest Resources Lab, University Park, PA 16803. Ph: 814-863-7192. E-mail: [mail@patacf.org](mailto:mail@patacf.org).

#### PPL Environmental Preserve - [www.pplpreserves.com](http://www.pplpreserves.com)

- Sept. 10, 11 & 12 - HUNTER/TRAPPER EDUCATION COURSE, Holtwood Environmental Preserve: Thursday, September 10, 5:30p.m.-9:00p.m.; Friday, September 11, 6:00p.m.-9:00p.m.; Saturday, Sept. 12, 8:00a.m. to 1:00 p.m.
- Sept. 12 - SUSQUEHANNA SUPER HIKE, Holtwood Environmental Preserve: Check-in: 5:00a.m.-6:15 a.m., Start time 6:30a.m
- Sept. 26 - Brunner Island Environmental Preserve: Saturday 2:00p.m. Brunner Island has been officially certified and registered as Monarch Butterfly Way stations. A way station is a place for the monarchs to rest and eat on their way between the northern reproduction sites and the overwintering sites in Mexico. Resource-rich way stations help the monarchs reach their southern destinations each fall. We will catch, tag and release the butterflies to help the University of Kansas in its tracking program. Bring a net if you have one. Come join the fun as you learn to tag and record the data. This program is free.
- Sept 26 - Brunner Island Environmental Preserve: Hibiscus Natural Area 9:00a.m. When waters rise, they deposit debris on the shorelines. Help the Watershed Alliance of York during this cleanup of the Hibiscus Natural Area at PPL's Brunner Island Environmental Preserve from 9 a.m. to noon Saturday, Sept. 26. PPL will provide trash bins, bags and gloves to volunteers. This is one of the events at the annual Watershed Weekend sponsored by the Watershed Alliance of York. Please meet at the Conewago Boat Launch Area off of Wago Road on Brunner Island.

- Sept. 27 - Monarch Butterfly Tagging 2:00p.m. at the Holtwood Environmental Preserve. Holtwood Environmental Preserve has been officially certified and registered as Monarch Butterfly Way stations. A way station is a place for the monarchs to rest and eat on their way between the northern reproduction sites and the overwintering sites in Mexico. Resource-rich way stations help the monarchs reach their southern destinations each fall. We will catch, tag and release the butterflies to help the University of Kansas in its tracking program. Bring a net if you have one. Come join the fun as you learn to tag and record the data. This program is free. This program will take place at the Holtwood Environmental Center, 9 New Village Road, Holtwood, PA 17532.
- <> Contact: Karen Ament, Naturalist, Holtwood Environmental Center, 9 New Village Road, Holtwood, PA 17532. Ph: 717-284-6272 or 6274 or email [pplpreserves@pplweb.com](mailto:pplpreserves@pplweb.com).

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

- **NEW GROUNDWATER WELL RESOURCE** - <http://york.extension.psu.edu/NResources/PvtWtrSplyInfo.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](mailto:YorkExt@psu.edu).

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

- PWA is working jointly with State and County organizations to create a plan of conservation measures that will protect what is beautiful and healthy about the watershed, and restore any areas that have become degraded. This plan identifies the problems affecting water quality, habitat, and living aquatic resources throughout the watershed. It complies with the Clean Water Act which addresses pollution reduction known as Total Maximum Daily Load (TMDL) in the reservoir.
- <> Contact: Nancy Shaper at [nshaper@jhmi.edu](mailto: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](mailto:warnerse@rlasd.k12.pa.us)

**Shank's Mare "Go Play Outside"** - [www.shanksmare.com](http://www.shanksmare.com)

- Oct - Chincoteague Paddle Trip & more...check out "Activities"
- Deadline for entering our Susquehanna River Calendar Contest is 9/15/09
- <> Contact: Liz Winand at 2092 Long Level Road, Wrightsville, PA 17368. Call: 717-252-1616. Fax: 717-252-0403. Email: [shanksmare@comcast.net](mailto:shanksmare@comcast.net)

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

- Sept 19, 2009 - Susquehanna River Clean Up 9:00 AM to 4:00 PM. Mark your calendars for this annual event!
- Sept 29, 2009 - 6:30 pm - GVP Excom Meeting, East Shore Area Library - All members welcome!
- <> Kim Anderson at [sgfornyc@aol.com](mailto:sgfornyc@aol.com).

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

- Sept. 18 & 19 - Spoutwood Yard Sale! We are clearing out clutter and planning a Yard Sale at Spoutwood Farm on September 18th & 19th. DECADES worth of stuff, some everyday-type stuff, some collectible, all MUST GO! A more detailed listing of what you might find, coming soon! All proceeds from the sale goes to the Farm (a non-profit organization). We invite YOU to join us in this Yard Sale: Families wishing to de-clutter: \$10 per 10x10 space, per day. Crafters wishing to sell their wares: \$25 per 10x10 space, per day. Donations for our Bake/Food Sale (same day) are most welcome! We will be advertising this Yard Sale in local newspapers, with signage, social networking, email newsletters and here on the website! This is a GREAT opportunity to clear your home of clutter, make some cash, socialize with great people, and have a fun day at the farm and SUPPORT SPOUTWOOD! If you have questions or would like to secure a space, please email [events@spoutwood.org](mailto:events@spoutwood.org) or call 717-961-0629
- Oct. 4 - 5<sup>th</sup> Annual Mother Earth Harvest Fair & Sustainability Celebration
- <> Contact: Rob Wood, 717-235-6610, [Spoutwood@supernet.com](mailto:Spoutwood@supernet.com)

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

- Sept 12 - Annual Members Meeting
- Nov 6 - Auction Dinner at the Historic Gettysburg Hotel
- <> If you have questions, we hope you'll email us [info@strawberryhill.org](mailto:info@strawberryhill.org) or give us a call at (717) 642-5840. You can also fax us at (717) 642-5803.

**Susquehanna Gateway Heritage Area** - <http://www.susquehannaheritage.org/>

Upcoming Events:

- Sept. 4th & Oct. 2<sup>nd</sup> - First Friday River Art Open House, 10am-4pm, Zimmerman Center for Heritage
- Sept. 20<sup>th</sup> & Oct. 4<sup>th</sup> - Sunday Art on the Susquehanna, 1-4pm, Zimmerman Center for Heritage
- Oct. 12<sup>th</sup> - Columbus Day River Art Open House, 10am-4pm, Zimmerman Center for Heritage
- <> Contact Mark Platts, Lancaster-York Heritage Region, 1706 Long Level Road, Wrightsville, PA 17368. Office: 717-252-0229. E-mail: [info@lyhr.org](mailto:info@lyhr.org).

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

- Sep 25 - Susquehanna River Symposium - The third-annual Susquehanna River Symposium at Bucknell University, " Cultures at the Confluence: Native Americans and the Susquehanna Valley," will be held Sept. 25-26. It will feature Native American writer and environmental activist Linda Hogan, as well as panels on topics including online mapping of Susquehanna Valley history and community topography, Native American history, and early cultures today and the environmental future of the Susquehanna region. In addition, there will be live exhibitions and activities, a showing of a new WVIA-TV documentary on agriculture in the valley, and a poster session of watershed-related research from the past year. Further details will be available in the near future on the Bucknell Environmental Center website. To get on an email list for more detailed information on events and meal registration, please email [ppollini@bucknell.edu](mailto:ppollini@bucknell.edu) or call 570-577-1490.
  - Sep 27 - 5th Annual PA Greenways & Trails Summit "Connecting Communities Through Recreation and Heritage". Tours and Mobile Workshops. Tracks: Community & Economic Development, Health, Wellness & Active Living, Technology, Maintenance & Management, Main Line Canal Greenway Workshop. Cost is \$99 for Full Summit. Registration guide will be available by June 1, 2009. Location: Blair County Convention Center. This event is 80 miles from you (17837). 8 AM - 5 PM. FYI [www.prps.org](http://www.prps.org)
- <> For more information about the Susquehanna Greenway, please contact: The Susquehanna Greenway Partnership, 201 Furnace Road, Lewisburg, PA 17837. Phone: 570-522-7211. Email: [greenway@susquehannagreenway.org](mailto:greenway@susquehannagreenway.org)

#### [Susquehanna River Basin Commission - www.srbcc.net](http://www.srbcc.net)

- SRBC Executive Director Paul Swartz issued notice to Pennsylvania legislators on August 6, 2009, requesting their support for FY09/10 Commission funding. One of the line-item vetoes exercised by Governor Rendell in his signing of Senate Bill 850 eliminates all funding for the Susquehanna River Basin Commission (SRBC) in the FY09/10 budget. The amount zeroed out of the bill for the SRBC as it was passed by the General Assembly was \$631,000, approximately half of the \$1,232,000 called for in our FY09/10 expense budget.
- <> Contact Susquehanna River Basin Commission, 1721 N. Front Street, Harrisburg, PA 17102. Phone: (717) 238-0423. Fax: (717) 238-2436. Email: [srbcc@srbcc.net](mailto:srbcc@srbcc.net)

#### [Susquehanna Sustainable Business Network - http://www.susquehannasbn.org/](http://www.susquehannasbn.org/)

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

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

- Sept 9 - Monthly Chapter Meeting 7:00 p.m., Laughman's Sawmill pavilion
- <> Contact: Tom Finenze at 840-1372 or [tom@codorustu.org](mailto:tom@codorustu.org). Cancellations due to winter weather will be announced here, and on WSBA Radio, 910 AM.

#### [Trout Unlimited Muddy Creek Chapter #575 - http://muddycreektu.org/](http://muddycreektu.org/)

- Sept 16 - General Meeting 7:00pm at Co-op Nursery
  - Rivers Conservation Plan - Muddy Creek TU has contracted with local firm Buchart-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 [muddycreekt@comcast.net](mailto:muddycreekt@comcast.net)
- <> Contact: Ron Heuston, President MCTU, 244-1851 or [Heuy1955@aol.com](mailto:Heuy1955@aol.com)

#### [United Way of York County - http://volunteer.united-e-way.org/uwoyc/agency/](http://volunteer.united-e-way.org/uwoyc/agency/)

- 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. If you do not have this ability, contact The Volunteer Center 717-846-4477.
- <> Contact: Kim Goff [goffk@unitedway-york.org](mailto:goffk@unitedway-york.org)

#### [U.S. Geologic Survey - Pennsylvania - http://pa.water.usgs.gov/](http://pa.water.usgs.gov/)

- 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](mailto:langland@usgs.gov).

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

- The Watershed Alliance of Adams County holds its board meeting monthly. Board meeting dates have changed to the fourth Tuesday of the month. All board meetings are held at the Adams County Agricultural and Natural Resources Center at 4:30pm unless otherwise specified. The public is invited to attend.
- <> Contact: Michelle Kirk 717-677-4628 or email at: [mkirk@adamswatersheds.org](mailto:mkirk@adamswatersheds.org)

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

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

- WAY E-News is published by the Watershed Alliance of York, Inc. to inform the public about news and information that affect York County watersheds and beyond. PLEASE SHARE WITH YOUR MEMBERSHIP AND E-MAIL LIST. Contributions of news, events and information relating to watershed education, funding, planning, restoration, protection, and stewardship welcome. Send contribution to and contact us for mailing list additions/changes to the e-mail address below. Distribution: electronic (1,000+). Frequency: bi-weekly. Subscription: No charge. Editor: Gary R. Peacock.
- [www.goodsearch.com](http://www.goodsearch.com) and be sure to enter WAY as the charity you want to support.
- <> Contact: Watershed Alliance of York, Inc. (WAY), C/o York County Conservation District, 118 Pleasant Acres Road, York, PA 17402.  
Phone: (717) 840-7430. Facsimile: (717) 755-0301. E-mail: [gpeacock@yorkccd.org](mailto:gpeacock@yorkccd.org)

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

- 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](mailto:john_eby@lower-allen.pa.us)

#### [York-Adams Regional Smart Growth Coalition](#) - **NEW!**

- 20 Aug. - YARSGC Public Forum "What is Smart Growth? 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/) - <http://www.yorkaudubon.org/>

- Aug 29-30 - Come and visit the York Audubon Society educational display at the 59th Annual Shrewsbury Flower Show. Shrewsbury Fire Hall, 21 West Forrest Ave., Shrewsbury, PA.
- Sept 14 - Raptors up Close. Howard and Jason Caldwell, raptor educators and falconers, will present a dynamic program designed for all ages. Live raptors will include hawks, falcons and owls. Luther Memorial Church, 7:00 P.M.
- Sept 16 - Fort McHenry wetland bird walk with Baltimore Bird Club's Jim Peters. Meet at 4:30 P.M. at Shrewsbury Walmart shopping center. Leader: Tish Swam, 717-235-2578.
- Sept 19 - Come and visit the York Audubon Society educational display at the New Freedom Fest. 10:00 A.M. - 4:00 P.M.
- <> Contact Tom Smith at 717-246-9767 or [tls35@psu.edu](mailto:tls35@psu.edu).

#### [YorkCounts](http://yorkcounts.org) - [yorkcounts.org](http://yorkcounts.org)

- Looking for a path to fitness - Some stakeholders have begun meeting to talk about developing a comprehensive community approach to improving the health and fitness of York County. A rough organizational structure is emerging, led initially by the Healthy York County Coalition and some of its existing task forces. [Read more...](#)
- Town halls to focus on Stay in School Report - YorkCounts will use an upcoming series of town halls to focus attention on the Stay in School Report that will be released this month. [Read more...](#)
- Partner Spotlight: Better York - Better York has had a busy summer, helping bring Roger Brooks to York, awarding a grant to the Guardian Angels and boosting downtown beautification efforts. [Read more...](#)
- Indicator updates: Unemployment way up, crime down - It's not surprising the York County's unemployment rate rose in June compared against the June 2008 number. What's striking is how much it went up. [Read more...](#)
- <> 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](http://www.yorkcounts.org)

#### [York County](http://www.york-county.org) - [www.york-county.org](http://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
- 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](#)

Please mark the following dates on your calendar.

- Wednesday, September 16, 8am at Pleasant Acres Room 4
- Wednesday, November 4, 8am at Pleasant Acres Room 4

Thank you for your understanding and flexibility. Hope you will be able to adjust your schedule to attend. Also, reminders about upcoming Council sponsored events.

- Oct 18 - Traditional York County Farm Tour 11am-5pm in Airville
- Jan 27 - 24th Annual Agricultural Recognition Banquet 5:45pm, York Expo Center Old Main Hall
- <> Contact Michelle Grove, 1500 Felton Rd., Felton, PA 17322. Ph: (717) 246-3578. Em: [ycabc@comcast.net](mailto:ycabc@comcast.net)

#### [York County Agriculture Land Preservation Board](http://www.york-county.org) - [www.york-county.org](http://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](mailto:PMcCandless@york-county.org)

#### [York County Community Foundation](http://www.yccf.org) - [www.yccf.org](http://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](mailto:jakeromig@ecoconstructionllc.net)
- <> Contact Jane Sload at 717.848.3733 or [jsload@yccf.org](mailto:jsload@yccf.org).

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

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

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

- Sept. 10 - District Board of Directors meeting, 7:00 PM, at ANNEX
- Sept. 19 - Sport Clay Shoot Fundraiser, \$50 entry fee. Proceeds support York County's Envirothon
- 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](mailto:Yorkccd@yorkccd.org). Office hours: 8:30 AM-4:30 PM weekdays.

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

- Sept 1 - York County Planning Commission Meeting
- Sept 2 - York County Commissioner's Meeting
- Sept 3 - York County Metropolitan Planning Organization (YAMPO) Technical Committee Meeting
- Sept 9 - York County Commissioner's Meeting
- Sept 16 - York County Commissioner's Meeting
- Sept 23 - York County Commissioner's Meeting
- Sept 24 - York County Metropolitan Planning Organization (YAMPO) Coordinating Committee Meeting
- Sept 30 - York County Commissioner's Meeting
- Sept 30 - Local Government Advisory Committee Meeting (LGAC) Executive Committee Meeting
- <> Contact: 717-771-9870 or e-mail [planner@ycpc.org](mailto:planner@ycpc.org)

#### [York County Parks & Recreation](http://www.yorkcountyparks.org) - [www.yorkcountyparks.org](http://www.yorkcountyparks.org)

<> 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](mailto:Parks@york-county.org)

#### [York County RailTrail Authority](http://www.yorkcountytrails.org/) - [www.yorkcountytrails.org/](http://www.yorkcountytrails.org/)

- Sep 19 2009 BIKE GIVE-AWAY - FREE CHANCES TO WIN A BIKE! Visit the Rail Trail Authority's information booth at any one of the following area festivals and receive one free chance to win a bike. Sign up at our booth to become a member of our Friends of York County Trails at any level, and receive an additional five chances to win at New Freedom Fest, New Freedom, PA and Spring Grove Fest, Spring Grove, PA.
- PLAN TO ATTEND AN UPCOMING MEETING OF THE RAIL TRAIL AUTHORITY - The following meetings will be held at the offices of the York County Rail Trail Authority, 45 Cherry Street, Seven Valleys, PA in 2009: October 19, November 16 and December 14
- <> Contact the YCRTA at 717-428-0999 or e-mail [info@yorkcountytrails.org](mailto:info@yorkcountytrails.org). Please contact the York County Department of Parks and Recreation for any information regarding the Heritage Rail Trail County Park. Phone: 717-840-7440. E-mail: [parks@york-county.org](mailto:parks@york-county.org)



### [WATERSHED EDUCATION & OUTREACH](#)

#### [Wetlands Habitat Restored at New Spring Grove Area High School](#)

New land development can be an ecological nightmare when buildings disturb wildlife and delicate ecosystems. Spring Grove Area High School, however, chose to benefit from such disturbances by utilizing the excess runoff created by new school construction. A great amount of the runoff was in close proximity to the science classrooms, therefore it was decided that the wet areas were ideal sites for wetland schoolyard habitats. The project became possible when teacher Celeste Barnes connected with Environmental Concern (EC) and the funding we had from a National Oceanic and Atmospheric Administration B-WET grant. EC then taught the SGHS Environmental Studies students about the design and construction of wetlands, and used student and faculty feedback to design three wetlands around the edges of the practice fields. The closest sites to the school will be used for short class visits, while the remote site will be used for more in depth comparative studies. This spring the same students spent many hours outside preparing the wetland sites. With their help, over 1500 new wetland plants were installed.

In spite of the challenges presented by an extremely wet spring, the habitats were a big success to be enjoyed by students and wildlife for years to come.

#### [PA Center for Environment Ed Seeking Information on Outdoor Classrooms](#)

Melissa Wardian, a graduate student from the [Pennsylvania Center for Environmental Education](#), is compiling information on outdoor classrooms to be included in a new [online resource directory guide](#). She would like to get some contact information from teachers that have been involved in creating an outdoor classroom. It could be anything from a nature trail, an arboretum, a garden, a wetland, etc. If you are interested in sharing your experiences, Melissa will be asking several open ended questions, dealing with the process and development of the outdoor classroom and expect to begin contacting everyone in the fall. Contact Melissa by sending email to: [melissa.wardian@pcee.org](mailto:melissa.wardian@pcee.org) and if possible could you please include the individual's name, phone number and email address.

#### **Spring shad numbers up in Susquehanna, down in Potomac**

(Bay Journal July/August 2009) - This spring's shad runs brought runs brought remarkably mixed results-and some new concerns-in the Bay's tributaries, with some showing increases in migrating shad, while others stayed the same or declined. Returning American shad reversed a long-running decline on the Susquehanna River. But that good news was partially offset by worries on the Potomac, which in recent years has had the strongest shad spawning run of any river around the Bay, or the East Coast. Read more...

<http://www.bayjournal.com/article.cfm?article=3626>

#### **Climate Change Could Have Negative Effects on Stream and Forest Ecosystems**

ScienceDaily (Aug. 14, 2009) – A rare April freeze in 2007 provided researchers at the Department of Energy's Oak Ridge National Laboratory with further evidence that climate change could have negative effects on stream and forest ecosystems. As warm weather arrives sooner in many parts of the nation, forest plants and trees on the banks flourish, shading the stream from sunlight and causing an overall decrease in productivity in the late spring and summer. A new research paper describes how a small change in canopy cover can dramatically impact a stream. The study implies that the algal productivity pulse in the stream that drives the ecosystem during the spring months could be shortened with climate change if leaf-out continues to occur earlier each year. The stream no longer gets that period of peak productivity in spring because the leaves are shading the stream when the sun angle is relatively high. For this particular study, an Arctic air mass sent temperatures to below 28 degrees Fahrenheit for several nights in succession, freezing many of the newly emerged leaves and leaving the stream exposed to higher than normal levels of sunlight over the next several months. This early April freeze resulted in positive effects for a well-studied East Tennessee stream and reiterated the importance of sunlight on the growth of algae, bacteria, snails and other organisms in forest streams. Compared to typical conditions, the post-freeze conditions set in motion a chain reaction. Increased light levels caused a cascade of ecological effects in the stream, beginning with considerably higher growth rates during the late spring and summer months when normally low light levels severely limit stream production. In this case, a freeze caused the Walker Branch stream to prosper, but an ecosystem cannot count on unexpected weather events to maintain productivity. The stream ecosystem cannot depend on an Arctic air mass moving in every year, killing the leaves and exposing the stream to sunlight, resulting in increased growth. It's an unpredictable weather occurrence. On the other hand, we see that early leaf emergence has become predictable and has negative effects on the stream ecosystem during the critical spring period when many stream organisms are dependent on algae for food. Although canopy cover in the spring leads to decreased organism growth, in the autumn, bacteria and fungi decompose the leaves and grow from the nutrients, thus stimulating productivity. This research was funded by the Office of Biological and Environmental Research within the DOE Office of Science. *Journal reference: Mulholland et al. Stream ecosystem responses to the 2007 spring freeze in the southeastern United States: unexpected effects of climate change. Global Change Biology, 2009; 15 (7): 1767 DOI: [10.1111/j.1365-2486.2009.01864.x](https://doi.org/10.1111/j.1365-2486.2009.01864.x). Adapted from materials provided by [DOE/Oak Ridge National Laboratory](#).*

#### **Lakeshore Development Reduces Food Supplies for Fish**

ScienceDaily (Aug. 4, 2009) – Freshwater fish, especially stream fish, rely on terrestrial insects as a portion of their food supply. But little is known about their importance to fish in lakes, where the size and shape of a lake can determine how much its fish rely on shoreline food sources. Tessa Francis, a post-doctoral researcher at the National Oceanographic and Atmospheric Administration (NOAA), wanted to know if the urbanization of lakeshores affects the amount of terrestrial insects available as food to the lake's fish inhabitants. To answer her question, she analyzed fish stomach contents over the course of a year in four Pacific Northwest lakes, surveyed fish in 28 Pacific Northwest lakes and compiled published data on fish populations in lakes across North America. At undeveloped lakes, insect outbreaks often happen in pulses, in which insects emerge over a short time period, but Francis and her team found no signs of these pulses in highly developed areas. This disparity was apparent in fish food availability: In the four lakes, terrestrial insects comprised up to 100 percent of the diet of fish in undeveloped lakes, in contrast to a maximum of 2 percent in developed lakes, a pattern that was also apparent at the regional and national scale. Francis' research also showed that trout in developed lakes had a 50 percent lower daily intake of energy. Lower energy intake can slow growth and compromise fish reproduction, she says, which will ultimately lead to population declines. But she emphasizes that even a small amount of shoreline vegetation can serve as insect habitat. "Our shorelines need to remain as intact as possible, with a mix of trees and shrubs," she says. "But we may not need a dense, native forest. There likely are designs that are compatible with both lakeshore development and sustaining lake food webs." This research was presented at the Ecological Society of America's Annual Meeting on August 3, 2009. Adapted from materials provided by [Ecological Society of America](#), via [EurekAlert!](#), a service of AAAS.

#### **Urban Stream Pollution Can Be Good For Mosquitoes**

ScienceDaily (Aug. 3, 2009) – Sewage overflows are a fact of life in urban areas, and in many cities, excess sewage water enters streams and lakes with rain runoff. Although this pollution is harmful to most organisms, there is one group of insects that thrives on it: mosquitoes.

Luis Fernando Chaves, a post-doctoral researcher at Emory University, and his team discovered mosquitoes in abundance in a sewage-contaminated stream in Atlanta, but rarely in a nearby clean stream. They also found that mosquitoes were largest in streams with high levels of organic minerals - in this case, nitrogen and phosphorous - that originated from the sewage treatment plants. Likewise, in laboratory experiments, mosquitoes reared in sewage overflow were larger than those reared in clean water. "In

this food web, mosquitoes feed on microorganisms that require nitrogen and phosphorous to grow," Chaves says. "This translates into an input of food for the mosquitoes." When there's more organic matter, the microorganisms flourish, he says, and larval mosquitoes can eat like kings. To make matter worse, it's possible that other aquatic insects that would feed on mosquito larvae are poisoned in sewage overflow water. Many aquatic insects breathe underwater through gill-like structures, so excess nitrogen and phosphorous could be toxic to them. Mosquito larvae, however, breathe air at the water's surface through a specialized siphon. Chaves says that this combination of an increase in food and a potential decline in predators could be the key to these mosquitoes' success. Larger mosquitoes tend to result from a longer lifespan, which is dangerous because it gives mosquitoes a better chance of harboring pathogens that cause human diseases. Chaves makes the case that cities should separate their sewage overflow from their rain runoff to avoid creating ideal habitat for mosquitoes. This research was presented at the Ecological Society of America's Annual Meeting on August 3, 2009. *Adapted from materials provided by [Ecological Society of America](#), via [EurekAlert!](#), a service of AAAS.*

### **Sick Fish May Get Sicker Due To Climate Change And Other Stresses**

ScienceDaily (Aug. 3, 2009) – Entire populations of North American fish already are being affected by several emerging diseases, a problem that threatens to increase in the future with climate change and other stresses on aquatic ecosystems, according to a noted U.S. Geological Survey researcher giving an invited talk on this subject August 3 at the Wildlife Disease Association conference in Blaine, Wash. "A generation ago, we couldn't have imaged the explosive growth in disease issues facing many of our wild fish populations," said Dr. Jim Winton, a fish disease specialist at the USGS Western Fisheries Research Center. "Most fish health research at that time was directed toward diseases of farmed fish." In contrast, said Winton, recent studies in natural aquatic systems have revealed that, in addition to being a cause of natural death, infectious and parasitic fish diseases can produce significantly greater mortality in altered habitats leading to population fluctuations, extinction of endangered fish, reduced overall health and increased susceptibility to predation. In addition, said Winton, populations of certain fish species have suffered catastrophic losses after non-native diseases were first introduced into a water body. Examples include whirling disease in the intermountain west and the recent introduction of viral hemorrhagic septicemia in the Great Lakes. "The scientific community is increasingly concerned that global trade, extensive habitat alteration, accumulations of contaminants and other human-caused stresses stressors, including climate change, will affect the distribution or severity of fish diseases and contribute to increasing population-scale losses in these important natural resources," Winton said. Disease is often ignored as a factor affecting wild populations of fish and wildlife because the effects are difficult to observe and quantify, noted Winton. But as cold-blooded animals, fish are highly dependent on environmental conditions, especially temperature, to help maintain critical physiological processes such as immune function that can affect whether a fish gets a disease or parasite, how it is affected by it, and how the disease progresses. In particular, said Winton, some fish - such as salmon, trout and muskellunge - have a fairly narrow range of water temperatures they can live in. "If that temperature is exceeded over a period of time, not only may die-offs occur, but also, the increased stress and altered immune function will lead to greater levels of infectious or parasitic diseases which is why global warming is of particular concern. Winton said that increased scientific recognition of fish diseases as a potential population-limiting factor in wild populations of fish is partly the result of the emergence of high-profile diseases such as whirling disease in wild-spawning rainbow trout in the Rocky Mountain West, viral hemorrhagic septicemia in the North Pacific Ocean and the Great Lakes, and a fungal-like disease, ichthyophonus, in adult Chinook salmon in the Yukon River. The 58th annual meeting of the Wildlife Disease Association (WDA) will be August 2-7, 2009, in Blaine, Wash. The theme is Wildlife Health from Land to Sea: Impacts of a Changing World. USGS scientist Dr. Jim Winton, is presenting the paper, "The ecology of emerging diseases among populations of wild fish." *Adapted from materials provided by [United States Geological Survey](#).*

### **New "Poo-Gloo's" Treat Sewage**

Salt Lake City, UT -- A bizarre contraption has just been put together in the northern Utah town of Plain City. It's the first full-scale test of a major invention from the University of Utah. If it works, it could have worldwide significance and will save people here lots of money on their sewer bills. It looks like alien mushrooms sprouting in a sewage lagoon, but it may be the wave of the future in sewage treatment. The good bacteria stays in there and just continues to eat, eat, eat and propagate and propagate. For the folks in Plain City, the new concept came at a good time. Their sewage volume is increasing with growth. Effluent discharges are getting closer to violating pollution standards. They face the enormous cost of a mechanical sewage plant. They figured it would be right around \$13 million. And this is going to cost us \$100,000. Over the next couple of weeks, they'll be filling up the lagoon so the sewage will rise above the level of the domes. Air will bubble through them and up through the sewage. A University of Utah team invented the igloo concept, called "Poo-Gloo", and have successfully treated sewage in the lab. The idea is to give bacteria lots of surface area to grow on, plenty of oxygen, and a dark environment to prevent algae growth. If you can keep the algae from growing and enhance the bacteria, then the pollutants are removed by the bacteria. The result is faster, cheaper sewage treatment. This way we can use two of our six ponds to do the same thing, and can shut half this plant down once these are going. And homeowners don't have to pay for a big new plant. Plain City mayor Jay Jenkins said, "We've got real low sewer rates. We're down around the \$10-a-month area. And our feeling was if we would have had to go to a mechanical plant, we probably would have ended up having to increase that to around \$40 or \$50 a month." If it works, communities all over the world may have Poo-Gloo's in their future. The University shares the patents, so if Poo-Gloo's catch on around the world, the U will split the profits with the inventors. Source: <http://www.wcs-utah.com/>

### **Wastewater produces Electricity and Desalinates Water**

University Park, PA -- A process that cleans wastewater and generates electricity also can remove 90 percent of salt from brackish water or seawater, according to an international team of researchers from China and the U.S. Clean water for drinking, washing and industrial uses is a scarce resource in some parts of the world. Its availability in the future will be even more problematic. Many locations already desalinate water using either a reverse osmosis process – one that pushes water under high pressure through membranes that allow water to pass but not salt – or an electrodialysis process that uses electricity to draw salt ions out of water through a membrane. Both methods require large amounts of energy. Read more... <http://www.psu.edu/>

### **Six Ways to Save Water and Money**

EPA Offers Tips to Save Water and Money August is peak water use season and with a few simple tips from EPA's WaterSense program homeowners can save water and as much as \$110 annually on their water bills. "Peak water use can be expensive, taxes local water systems, and threatens future water supply and quality," said Peter S. Silva, EPA's Assistant Administrator for Water. "A few simple changes can help consumers reduce their water bills, and in turn, save them money." On average, an American household uses about 260 gallons per day, but this amount climbs to around 1,000 gallons per day during peak water use season with some households using as much as 3,000 gallons a day. Here are some tips to help reduce water use:

- Water yards only when needed.
- Consider using WaterSense labeled toilets, faucets and faucet accessories, which use at least 20 percent less water and can save \$60 per year.
- Water landscapes only when needed. Watering in the very early morning or evening is best.
- Wash only full loads of laundry and dishes, and scrape dishes instead of rinsing when loading the dishwasher.
- For summer refreshment, keep a pitcher of water in the fridge instead of running the tap until it is cold.
- Put your favorite handy person to work fixing leaks around the home, which can waste about 200 gallons per week. Fixing leaks can add up to about \$50 in utility bill savings annually.

In 2008 alone, WaterSense labeled toilets, faucets, and faucet accessories helped Americans save more than 9.3 billion gallons of water and realize more than \$55 million in savings on water and sewer bills. That is enough water to supply 100,000 average households for a year. WaterSense is a partnership program sponsored by EPA to protect the future of our nation's water supply by promoting and enhancing the market for water-efficient products and services. More tips and information on WaterSense:

<http://www.epa.gov/watersense/water/peak.htm>

### **Nutrient Testing of Grass Clippings**

Stormwater pollution has historically been assessed by measuring the concentration of pollutants in the water column. For example, the pollutant-removal performance of structural best management practices (BMPs) has been extensively characterized using flow-weighted pollutant concentrations (EMCs) in inlet and outlet water column samples. Over the last few years, it has been recognized that "gross pollutants" such as larger-size sediment, organic debris, manmade debris, and grass and leaves could also be significant sources of pollutants. The recently completed "ASCE Guideline for Monitoring Stormwater Gross Solids" (EWRI 2009) gives recommendations for monitoring and testing of the gross solids components to determine their pollutant content. With total maximum daily loads (TMDLs) being set for nutrients in many Florida waterbodies, interest has been created in preventing nutrients bound in organic materials from entering waterbodies. What is lacking is a method to quantify the nutrient reduction benefit from BMPs that trap gross solids. Read more... <http://www.stormh2o.com/july-august-2009/nutrient-testing-grass.aspx>

### **Pesticide Runoff Can Pose Risk to Humans, Wildlife in Chesapeake Bay Region**

August 2009 -- Pesticides used by farmers, residents and business owners pose a significant risk to Chesapeake Bay wildlife and human health, according to a recent [report released by the Maryland Pesticide Network](#).

Pesticides and the Maryland Chesapeake Bay Watershed lists the major types and sources of pesticides in the Bay region and explains how pesticides can affect the fish we eat and the water we drink. [Toxic chemicals](#) in pesticides can move up the [food web](#) when larger fish and birds eat smaller, contaminated organisms. Humans can also be affected if they [catch contaminated fish](#) or drink contaminated water.

According to the report, pesticides are a threat to the region's environmental health because they can be toxic to aquatic life, wildlife and humans, even though those species are not being targeted by the pesticide applicator. Even at low levels, toxic effects of pesticides can put additional stress on fish, plants, microscopic animals and other species. A 2007 [report by the U.S. Geological Survey](#) found that synthetic organic pesticides were widely detected at low levels throughout the Bay watershed. Read report...

[http://www.chesapeakebay.net/news\\_pesticides09.aspx?menuitem=43119](http://www.chesapeakebay.net/news_pesticides09.aspx?menuitem=43119)

### **Pitt Research Suggests EPA Standard for Pesticide Safety Overlooks Poisons' Long-term Effects**

PITTSBURGH-The four-day testing period the U.S. Environmental Protection Agency (EPA) commonly uses to determine safe levels of pesticide exposure for humans and animals could fail to account for the toxins' long-term effects, University of Pittsburgh researchers report in the September edition of Environmental Toxicology and Chemistry. The team found that the highly toxic pesticide endosulfan-a neurotoxin banned in several nations but still used extensively in U.S. agriculture-can exhibit a "lag effect" with the fallout from exposure not surfacing until after direct contact has ended. Lead author Devin Jones, a recent Pitt biological sciences graduate, conducted the experiment under Rick Relyea, an associate professor of biological sciences in Pitt's School of Arts and Sciences, with collaboration from Pitt post-doctoral researcher John Hammond. The paper is available on Pitt's Web site at

<http://www.pitt.edu/news2009/Endosulfan.pdf>

### **Rural well water linked to Parkinson's; California study implicates farm pesticides**

(Environmental Health News Aug. 5, 2009) - Rural residents who drink water from private wells are much more likely to have Parkinson's disease, a finding that bolsters theories that farm pesticides may be partially to blame, according to a new study. The risk to people in California's Central Valley was 90 percent higher for those who had private wells near fields sprayed with certain insecticides. People with the incurable neurological disease "were more likely to have consumed private well water, and had consumed it on average 4.3 years longer," UCLA scientists reported. Unlike municipal water supplies, private wells are largely unregulated and are not monitored for contaminants.

Read full article at: <http://www.environmentalhealthnews.org/ehs/news/parkinsons-and-pesticides>

### **EPA Seeks Public Input on Clean Water Enforcement Action Plan**

The U.S. Environmental Protection Agency (EPA) is seeking public feedback on the future direction of EPA's national water enforcement program. The public will be able to provide feedback until August 28 through an [online discussion forum](#) about EPA's water protection efforts. The forum is part of a larger agency effort--initiated by EPA Administrator Lisa Jackson--to improve the performance and enhance public transparency of state and federal Clean Water Act enforcement programs. The EPA will use ideas from the public forum to develop recommendations about the future direction for EPA's water enforcement program, and will submit those recommendations to the EPA Administrator. For more information, visit the EPA website at <http://www.epa.gov/compliance/civil/cwa/cwaenplan.html>.

### **Federal Bill Would Improve Stormwater Runoff Management in Chesapeake Bay Region**

(Chesapeake Currents July 2009) -- Virginia Rep. Gerald Connolly has introduced a bill in the U.S. House of Representatives that would reduce pollution from [impervious surfaces](#) and increase [forest](#) cover in the Chesapeake Bay [watershed](#). [Stormwater runoff](#) is a major source of pollution to the Chesapeake Bay. As rain water runs off lawns, driveways and parking lots, it picks up pollutants such as dirt, oil and fertilizer and carries them into storm drains, which usually direct untreated stormwater to the nearest waterway. Because of increased [development](#) throughout the Chesapeake Bay watershed, stormwater runoff is the fastest-growing source of pollution to the Bay and the only type of pollution that continues to increase. The Chesapeake Bay Restoration Act of 2009 (H.R. 3265) would amend the Clean Water Act to require that local governments within the Chesapeake Bay watershed better manage stormwater runoff on new development projects larger than one acre. Specifically, projects that discharge stormwater runoff to a storm sewer system would have to manage all of the rain water that falls on the development during most rain storms by harvesting and reusing the rainwater or allowing it to soak into the ground. The stormwater management requirement would be included in [National Pollutant Discharge Elimination System \(NPDES\)](#) permits issued by the U.S. EPA. A grant program would be established to help local governments with the cost of implementing and complying with the permit. Additionally, the bill would require federal government agencies to develop plans to preserve and restore forests on federally owned land in the Chesapeake Bay watershed.

### **Website Launched for Chesapeake Bay Executive Order**

(Annapolis, Md.) - A website launched today will increase government transparency and expand public participation in President Obama's Executive Order on Chesapeake Bay Protection and Restoration. The website will serve as the clearinghouse for all Executive Order information, including news, documents and events from the various federal agencies working on new approaches to cleaning up the nation's largest estuary. The public can also provide feedback on the website and use online tools to track Executive Order activities. The website address is <http://executiveorder.chesapeakebay.net>

### **Greenroofs Can Save Cities Millions Of Gallons Of Water**

ScienceDaily (Aug. 4, 2009) — Having a garden on your roof isn't just nice for a garden party; it can make your city more environmentally friendly. Many American cities are beginning to incorporate greenroofs into their planning ordinances because they recognize that, planting a rooftop garden can offset heat, increase city biodiversity and decrease stormwater runoff. This runoff can be problematic in cities where rainwater is funneled by streets and parking lots directly into streams, carrying with it chemicals and debris and increasing the risk of flash floods. But the plants on greenroofs can absorb some of this water - "like a sponge being saturated," says Olyssa Starry, a graduate student at the University of Maryland at Baltimore County. Starry studied a greenroof atop a Baltimore building in comparison to a similar building without a greenroof to determine how well the roof would absorb water from frequent storms. By measuring water flowing out of building downspouts, she found that the greenroof retained from 30 to 75 percent of water from storms, compared to a negligible amount retained by the building with no greenroof. Although her results are preliminary, Starry thinks that cities can reap benefits from making greenroofs a part of their building requirements, as cities like Toronto and Berlin have recently done. Using GIS satellite imagery, she estimated the number and area of buildings that could hold greenroofs within one watershed in the Baltimore area. If all these roofs were greened, she says, the city could save the watershed 8 million gallons of water per year, or about 10 percent of its yearly water loss. "We need to understand what implementing these greenroofs at the whole watershed scale can do," she says. "Getting people to learn about this technology and providing incentives is the first step." This research was presented at the Ecological Society of America's Annual Meeting on August 3, 2009. *Adapted from materials provided by [Ecological Society of America](#), via [EurekAlert!](#), a service of AAAS.*

### **More help is here for LEED 2009**

We're very excited to announce the launch of a new Web resource that will help make LEED certification easier, faster, and more accessible. The site is called LEEDuser (<http://www.leeduser.com>). YRG was called on to write much of the content, and we've infused it with tips, tools, and know-how from our years of experience guiding projects through successful LEED certifications. We've partnered on LEEDuser with publisher BuildingGreen, the folks who brought us the esteemed and trusted Environmental Building News and GreenSpec Directory. The site is also supported by the U.S. Green Building Council.

### **Become part of the outdoors**

Have you captured a memory in nature while enjoying the outdoors? Share your photo and become part of the "big picture"! Your image will join thousands of others in the mosaic. Check back often to see the mosaic get filled in with images submitted by so many others like you who have made a connection with the outside world. Join <http://yououtdoors.org/>



## **WATERSHED FINANCIAL ASSISTANCE**

### **Funders' Network: Looking Back & Looking Forward**

To acknowledge and celebrate its 10th Anniversary in 2009, the Funders' Network for Smart Growth and Livable Communities commissioned two special publications. The first, Looking Back: Influencing, Networking, Facilitating, was written by Neil Carlson as a retrospective on the efforts undertaken by the Network and its members over the past ten years. To research and write the report, the author interviewed 30 members and reviewed the Network's historical documents to offer an independent assessment of the range of strategies pursued. The essays are organized into five topical chapters, although they frequently address multiple topics and are not limited only to the chapter subject.

- Politics, Movement Building, and Social Change
- Partnership and Collaboration: Keys to Transformational Change
- The Sustainability Imperative: Charting the Future
- Pursuing Triple-Bottom-Line Returns: The New (Green) Economy
- Place, Context, and Scale Matter: Views from the Field

Looking Back is available online as a PDF document at the resource link below.

<> Resource: [http://www.fundersnetwork.org/usr\\_doc/Looking\\_Back\\_PDF\\_for\\_Viewing.pdf](http://www.fundersnetwork.org/usr_doc/Looking_Back_PDF_for_Viewing.pdf)

<> Resource: [http://www.fundersnetwork.org/usr\\_doc/Looking\\_Forward\\_PDF\\_for\\_Viewing.pdf](http://www.fundersnetwork.org/usr_doc/Looking_Forward_PDF_for_Viewing.pdf)

### **Sign Up Begins for Conservation Stewardship Program - Sep 30**

This week, USDA began continuous sign-up for the new Conservation Stewardship Program (CSP). CSP provides financial and technical assistance to eligible producers to conserve and enhance soil, water, air and related natural resources on their land. Deputy Under Secretary for Natural Resources and Environment Ann Mills and NRCS Chief Dave White visited NACD's offices today to discuss the rollout of CSP with various conservation and agriculture groups. White emphasized that CSP is now offered nationwide, with a simpler program design, and is more locally driven. To kick off the 2009 CSP sign-up period, NRCS has provided extensive information on the program, including a self-screening checklist, activity list, fact sheet, the CSP interim final rule and adaptable PowerPoint presentations. To access these materials, visit the [NRCS website](#). The sign-up period cutoff is scheduled for September 30.

### **Regional Agricultural Program Dollars Available for Livestock Operations**

Availability of funding for farmers in South-central Pennsylvania to install various beneficial agricultural practices. The program, called the Regional Riparian and Ag BMP Initiative, provides cost share dollars for the installation of items such as fencing, watering systems and walkways on livestock farms. Priority will be given to those that incorporate rotational grazing systems in their operations. The project will implement rotational grazing systems, riparian buffers and other agricultural best management practices (BMP's) on eligible farms, with funding from the Pennsylvania Department of Environmental Protection's (DEP) Chesapeake Bay Program. The Capital RC&D, in partnership with the DEP, the State Conservation Commission, participating conservation districts and South Central PA Project Grass, will help to improve the effectiveness of agricultural riparian buffers and support the conversion of crop land to pasture. A limited number of funds will also be used for the promotion of sound conservation planning principles and practices. The program is available within the seventeen-county Chesapeake Bay drainage area served by the DEP South-central Region (see <http://www.depweb.state.pa.us> for a county list).

### **Applications and guidelines for the FY 2009-10 REAP Program are now available**

Applications will be accepted by the State Conservation Commission on a first-come, first-served basis beginning August 3, 2009 during the normal business hours of 8:00 am through 4:00 pm, Monday through Friday. Applications may be delivered in person, via US Postal Service, or via a private carrier to the Commission office at the following address: Resource Enhancement and Protection (REAP) Program, State Conservation Commission, Room 407, 2301 North Cameron Street, Harrisburg, PA 17110. The Commission will not accept any applications delivered in person prior to August 3, 2009 at 8:00 am. Applications will be accepted until the fiscal year 2009-2010 appropriation has been committed to eligible projects. For more info, go to <http://www.agriculture.state.pa.us/agriculture/cwp/view.asp?a=3&q=145155>.

### **WREN Opportunity Grants**

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](http://wren.palwv.org/grants)



## **WATERSHED FACILITATION ASSISTANCE**

### **Water Quality Credit Trading Workshop - Aug 26-27**

Together with its partners, Environmental Trading Network, the International Certified Crop Advisers, and the Water Environment Federation, the Conservation Technology Information Center will host a Water Quality Credit Trading Workshop at the [Crowne Plaza Hotel in Indianapolis, Indiana on August 26-27, 09](#). Water quality trading is a market-based approach to improve water quality. It is an innovative, voluntary tool that connects industrial and municipal facilities (point sources) with agricultural producers or other landowners (nonpoint sources) to economically achieve water quality improvements and to accommodate growth. It is a flexible and cost effective approach for maintaining, restoring, or enhancing water quality. Through this interactive, two-day workshop, CTCI and our partners aim to increase awareness of water quality trading and improve understanding of the voluntary process among agricultural producers and their advisors, wastewater treatment representatives, and potential "aggregators" (organizations that serve as a kind of broker, facilitating trading). Expert speakers will include EPA representatives, water quality trading policy and program design experts, credit aggregators, wastewater treatment plant representatives, and agriculture interests. They will

introduce the concepts, benefits and challenges of trading and the steps involved in developing a trading program. The training will include breakout sessions to give participants specific skills to develop or participate in a trading program. Case studies from other states will be highlighted so participants can learn from existing trading programs. [Register now](#) for the August 26 and 27 workshop. If you have questions, please contact CTIC at 765-494-9555 or [ctic@conservationinformation.org](mailto:ctic@conservationinformation.org).

#### **Natural Resource & Stewardship Management for Water Trails - Sep 1**

Tuesday September 1, 2009, 9:00am-4:00pm, at Centennial Barn, Fort Hunter Park, [www.forthunter.org](http://www.forthunter.org) Harrisburg, PA. Are you involved in or interested in developing a water trail? Have you thought about what it means to manage your water trail beyond publication of a trail map & guide? The Pennsylvania Water Trails Program is pleased to offer this technical assistance workshop. The workshop includes a paddling trip on the Susquehanna River Water Trail (Middle Section) with visits to island campsites and invasive species project areas. There is no fee for this workshop, but registration is required. Boats and a box lunch will be provided. Register with the PA Environmental Council by September 1, 2009 in order to reserve a space. Morning Presentations are Riverine Invasive Species 101, Susquehanna River Water Trail—West Branch Stewardship & Conservation Plan, Sustainable Boat Access Design, and Purple Loostrife Project. Afternoon Paddle (1-4 pm) On the water experience with visits to island campsites and invasive species removal project sites. Panelists - Northcentral PA Conservancy, PA DCNR Office of Conservation Science, PA Fish & Boat Commission, and Susquehanna River Trail Association. Registration or For More Information: PA Environmental Council, ATTN: Hannah E. Hardy, 22 Terminal Way, Pittsburgh, PA 15219. Phone: 412-481-9400. E-mail: [hhardy@pecpa.org](mailto:hhardy@pecpa.org). Web: [www.pecpa.org](http://www.pecpa.org).

#### **Watershed Assistance Collaborative: Grant Funding & Resource Opportunities for Water Quality Projects in Maryland - Sep 2**

Please join us for a workshop to learn more about the Watershed Assistance Collaborative, a partnership between MD DNR, Chesapeake Bay Trust, UMD SeaGrant Extension, Environmental Finance Center, and others that provide funding and technical assistance for watershed restoration planning and design. This is an exciting opportunity to talk directly with Funders, project leaders, technical service providers and state agency representatives about potential watershed restoration projects in your region. September 2, 2009. Patuxent Wildlife Refuge  
9:30AM to 2:30PM. PLEASE REGISTER ON LINE WITH CBT!! <http://cbtrust.kintera.org/WatershedAsstCollaborative>.

#### **Susquehanna River Symposium - Sep 25**

The third-annual Susquehanna River Symposium at Bucknell University, " Cultures at the Confluence: Native Americans and the Susquehanna Valley," will be held Sept. 25-26. It will feature Native American writer and environmental activist Linda Hogan, as well as panels on topics including online mapping of Susquehanna Valley history and community topography, Native American history, and early cultures today and the environmental future of the Susquehanna region. In addition, there will be live exhibitions and activities, a showing of a new WVIA-TV documentary on agriculture in the valley, and a poster session of watershed-related research from the past year. Further details will be available in the near future on the Bucknell Environmental Center website. To get on an email list for more detailed information on events and meal registration, please email [ppollini@bucknell.edu](mailto:ppollini@bucknell.edu) or call 570-577-1490.

### **7<sup>th</sup> 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. This year's venues are:

- Saturday September 19...
  - Sporting Clay Shoot Envirothon Fundraiser, York County Conservation District
  - New Freedom Fest, New Freedom Heritage
  - MAEscapes Fall Native Plant Sale & Open House (Educational programs TBA), Mid-Atlantic Ecological Landscapes Partnership
  - Beaver Creek WTP Open House, Red Lion MA
- Friday September 25...Outdoor Show, Izaak Walton League of America - York Chapter
- Saturday September 26...
  - Brunner Island Hibiscus Natural Area Cleanup, PPL Corp
  - Native Shrub Nursery Planting & Maintenance, Codorus Creek Watershed Association
  - Miller's Heritage Day at Wallace-Cross Mill, York County Parks
  - Apollo County Park Backpack & Picnic Hikes, York County Parks
  - Outdoor Show, Izaak Walton League of America - York Chapter
  - Lakes Redman/Williams Spillway Enhancement Project Tour, York Water Co.
- Sunday September 27...
  - Sunday Brunch Paddle, Shank's Mare Outfitters
  - Outdoor Show, Izaak Walton League of America - York Chapter
- October 4... 5<sup>th</sup> Annual Mother Earth Harvest & Sustainability Fair, Spoutwood Farm Center

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](mailto:gpeacock@yorkccd.org). Learn more about WAY online at [www.watershedsyork.org](http://www.watershedsyork.org).

### **5th Annual PA Greenways & Trails Summit "Connecting Communities Through Recreation and Heritage" - Sep 27-29**

Tours and Mobile Workshops. Tracks: Community & Economic Development, Health, Wellness & Active Living, Technology, Maintenance & Management, Main Line Canal Greenway Workshop. Cost is \$99 for Full Summit. Registration guide will be available by June 1, 2009. Location: Blair County Convention Center. This event is 80 miles from you (17837). 8 AM - 5 PM. FYI [www.prps.org](http://www.prps.org)

### **2009 CHESAPEAKE WATERSHED FORUM - Oct 9-11**

The Chesapeake Watershed Forum is an annual conference for watershed organizations and local government officials from around the multi-state Chesapeake Bay region. It is an opportunity to learn the latest scientific techniques in Bay restoration and protection, address specific organizational capacity building needs, focus on regional and watershed-wide needs, network with other watershed organizations, and enjoy the beauty of the watershed. The Forum will be held Friday, October 9 - Sunday October 11, 2009 at the National Conservation Training Center. Registration fee is \$175.00 (prior to September 8, 2009) which includes meals, lodging and workshop sessions. Any additional costs will be noted on the registration form. Two Pre-Forum workshops will be offered this year. Workshop 1: Climate Change and Workshop 2: Biological Monitoring. Registration fee is \$85.00 for each. See 'Events' publication below for additional information on these two workshops.

Registration is now open. Please look over the forum agenda and read the privacy policy posted on this website before registering. Forum registration link...[Chesapeake Watershed Forum 2009](#). For more information contact: [Lou Etgen](#) (410) 377-6270

### **MWMC 15th ANNUAL CONFERENCE - Dec 3**

Announcement and First Call for Contributed Papers/Posters, Conference Date, Location and Theme. The Maryland Water Monitoring Council will hold its 15th Annual Conference at the Maritime Institute, North Linthicum, on Thursday, December 3, 2009. The one day conference, Water Quality Success Stories: it Ain't all Doom and Gloom, will focus on the successes in water quality and aquatic habitat improvement programs throughout the State. A morning plenary session will include a keynote address by environmentalist, noted author, and former Baltimore Sun journalist Tom Horton (invited), a plenary address by David Carroll, Director of the Baltimore County Office of Sustainability and former Director of the Baltimore County Department of Environmental Protection and Resource Management, and three concurrent technical sessions with up to three talks each. A buffet luncheon and a poster session with up to 25 posters will occur at noon. Posters will be on display throughout the day. The afternoon will consist of six concurrent technical sessions with up to three talks each. Session topics currently include Water Quality Stressors, Groundwater, Success Stories, Outreach and Education, Forests and Water Quality, Citizen Involvement, and Information Management. Additional session topics will be finalized following review of submitted abstracts. The registration fee, which includes a booklet of abstracts and lunch, is \$65. To save money, the early-bird registration (postmarked before November 15) is \$50. The early registration fee for presenters is \$45. Discounts for full-time students and non-profit organizations are also available. Registration details can be found at [2009 Registration Form](#)

### **Tapping into Solutions: The Future of Water - May 3-5**

Tapping into Solutions: The Future of Water is a conference focused on highlighting and advancing solutions from the diverse perspectives of academia, business, government, non-profits and individuals. The key issues of water quality, quantity, and access will be the focus of the conference, with integrative discussions related to climate change and infrastructure. The Environmental Leadership Program (ELP), in partnership with the Robert & Patricia Switzer Foundation, is pleased to invite you to Tapping Into Solutions: The Future of Water taking place May 3 - 5, 2010 at the Hyatt Regency Hotel in Milwaukee, WI. For more information, Please contact Kimberly Roberts at 202-427-8608 or at [kimberly@elpnet.org](mailto:kimberly@elpnet.org).



## WATERSHED TECHNICAL ASSISTANCE

### Nature-Friendly Land Use Practices at Multiple Scales

Nature-Friendly Land Use Practices at Multiple Scales is a unique book organized around eight detailed case studies of private land developers, local governments, and public agencies that have worked across jurisdictional and ecological boundaries to effectively address habitat conservation. The book includes two essays by leading conservation biologists who link planning at scale with sound land use decisions. Development due to urbanization is the most significant threat to U.S. wildlife conservation. According to estimates, the nation will need approximately two million new housing units a year to meet the demands of the next 100 million U.S. residents. However, there are significant opportunities to influence the pattern and extent of development in order to meet conservation goals. Authors Rebecca Kihlsinger and James McElfish are on the staff of the Environmental Law Institute in Washington, D.C. Read more at the resource link below. Resource: [http://www.islandpress.org/bookstore/details.php?prod\\_id=1079](http://www.islandpress.org/bookstore/details.php?prod_id=1079)

### Revitalizing Older Cities

Some urban and metropolitan areas throughout the Northeast and Midwest have enjoyed stable population growth and rich economic prosperity throughout recent history. However, many of the region's historic cities – former centers of industry, transportation, and American ingenuity – have suffered, and continue to suffer, the pains of population loss, lack of traditional employment opportunities, and diminished economic investment. Recognizing that a high number of the nation's most economically challenged older industrial cities are concentrated in its program region, the Northeast-Midwest Institute has embraced a new Revitalizing Older Cities Initiative. This initiative pulls from many of the long-standing policy issues associated with the Institute, including brownfields, urban food issues, energy, manufacturing, and environmental restoration policy. Read more at the resource link below. Resource: [http://www.nemw.org/index.php?option=com\\_content&view=article&id=21&Itemid=154](http://www.nemw.org/index.php?option=com_content&view=article&id=21&Itemid=154)

### Resourceful Communities Program

Established in 1991, The Conservation Fund's Resourceful Communities Program blends innovative techniques to help North Carolina's underserved communities create new economies that protect and restore, rather than extract, natural resources. Resourceful Communities provides a range of direct assistance to develop the leadership and organizational capacity necessary for sustainable community development. Because Resourceful Communities works closely with local partners, including nonprofit, private and public concerns, we help ensure local ownership of long-term economic, social and environmental change. Resourceful Communities' "triple bottom line" is a unique approach to community development that integrates environmental stewardship, sustainable economic development and social justice. When issues are viewed as separate unrelated parts, solutions tend to be piecemeal or short term. Resourceful Communities recognizes that these issues are related; their solutions must be integrated for sustainable change. In focusing on assets, rather than deficiencies, communities, their economies and environment are strengthened for the long term. Triple bottom line efforts are as varied as the organizations and communities in our statewide network. This approach is flexible and innovative, creating new economies that protect, enhance and restore natural, cultural, historic and community resources. Read more at the resource link below. Resource: <http://www.resourcefulcommunities.org/>

### Training Future Leaders in Sustainable Development

The challenges of poverty, population, health, conservation, and human rights around the world are interconnected, requiring sustained and comprehensive interventions. Yet professionals in the field of sustainable development often lack the academic training and field experience to help address these issues comprehensively. Recognizing the need for a new approach, the John D. and Catherine T. MacArthur Foundation is supporting the first global initiative to provide rigorous professional training for future leaders in sustainable development. The Foundation has awarded \$7.6 million to nine universities in seven countries to establish new two-year Master's in Development Practice (MDP) programs. The grants are part of a larger \$15 million commitment to seed the creation of such programs at up to 15 universities worldwide over the next three years. The MDP curriculum expands training beyond the typical focus on classroom study of economics and management found in most development studies programs. The programs will combine classroom study in a range of disciplines including agriculture, policy, health, engineering, management, environmental science, education and nutrition with field training experiences. Click below for more information about the MDP program, or visit the MacArthur Foundation website at the resource link below.

Resource: <http://www.macfound.org/>

### Volume-Based Hydrology

(Stormwater Journal) - *"If everybody is thinking alike then somebody isn't thinking."* - General George Patton. Every 20 years or so, urban stormwater practitioners seem to stop and take stock of how we are doing. Sixty years ago, we figured that efficient drainage was the way to do things, using separate stormwater systems of pipes. Forty years ago, we figured out that efficient drainage was causing flooding problems and switched to a detention design standard. Twenty years ago, we found that detention ponds were failing for a number of reasons and switched to a more comprehensive master planning approach—that is, those who could afford all that modeling, understand its output, and had the wherewithal to actually construct regional systems for stormwater treatment. In the ensuing 20 years, we have seen the rapid diversification of stormwater design from a simple consideration of flooding and conveyance to channel erosion, stormwater pollution, groundwater recharge, and natural approaches to stormwater design—more or less. One thing these past approaches to urban stormwater hydrology have in common is a focus on peak flow (and flooding) and, secondarily, on velocity. Read entire article: <http://www.stormh2o.com/september-2009/volume-based-hydrology.aspx>

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

- [Volume 39, Number 32](#) Saturday, August 8, 2009 Pages 4715-4874
- [Volume 39, Number 33](#) Saturday, August 15, 2009 Pages 4874-5004

**DRAFT TECHNICAL GUIDANCE DOCUMENTS AVAILABLE**

As of Tuesday, August 04, 2009. To access the document, click on the ID number. Note: The draft date will show the most recent draft available. The comment period may have passed but the draft will remain available at this site until the document is finalized.

ID NUMBER	DOCUMENT TITLE	DRAFT DATE	COMMENT BY	CONTACT	PHONE
<a href="#">275-2101-009</a> PDF File	Waste Derived Liquid Fuels	7/18/2009	9/1/2009	Joseph White	(717) 787-2856

**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) <a href="#">Published PA Bulletin Notice</a>	8/10/2009

**DEP Notice; Regulation Update**

On 8/6/2009, the Independent Regulatory Review Commission took the action noted on the following final regulation:

- Bluff Recession and Setback - Approved

Notice is hereby given that the approved final regulations will be published in the [Pennsylvania Bulletin](#).

