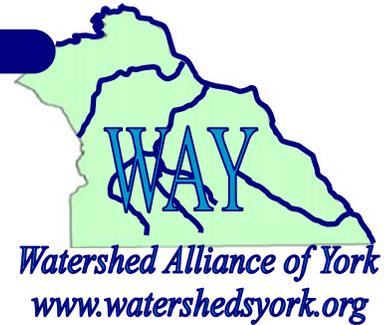


WAY E-NEWS

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



February 16, 2009

A PUBLIC-PRIVATE PARTNERSHIP

Volume 9, Issue 4

INSIDE THIS ISSUE...

WATERSHED ALLIANCE NEWS...Page 2

WATERSHED EDUCATION & OUTREACH...Page 6

- Gov. Rendell Proposes Another \$77 Million Cut In Environmental Spending
- CBF Urges States To Use Federal Stimulus For Green Infrastructure
- PFBC Presents Annual Report To House Game And Fisheries Committee
- Delaware Valley Planning Commission Launches Efficient Suburban Growth Program
- Performance Standards Bill Would Tie State Funds to Better Local Development Planning
- City Parks: When There's Nothing to Conserve -- Create!
- "Green" Management of Stormwater Runoff Key for Long-Term Water Quality
- Building Sustainable Communities
- Picturing Smart Growth
- New Method To Eliminate Ibuprofen From Polluted Waters Using Ultrasound
- Annapolis Bans Use of Lawn Fertilizer Containing Phosphorus
- Biodiversity In Crops Decreases Fertilizer Damage To Rivers And Lakes
- Including Native Perennials In Biofuel Crops Could Keep Watersheds Healthy
- EE Connections February 2009
- DIRT! The Movie

WATERSHED FINANCIAL ASSISTANCE...Page 9

- NOAA Bay Watershed Education and Training (B-WET) Program - Feb 27
- Community Action for a Renewed Environment (CARE) Program - Mar 16
- WREN Announces 2009 Community Watershed Education Grants now available! -Apr 3
- PA DCNR Community Conservation Partnership Grants - Apr 22
- USDA Announces Two New Funding Programs
- New Air Quality Initiative Available for EQIP 2009
- \$25 Million Available for PA Wind and Geothermal Projects
- ESRI's ArcView GIS software available to U.S. nonprofits at reduced cost.
- USDA Rural Development Grants for Small Water Systems

WATERSHED FACILITATION ASSISTANCE...Page 10

- Game Commission Launches Third Round Of Deer Management Open Houses
- Opening the Mapping Toolbox: Putting GIS to Work for You - Mar 3-4
- Register Now for Water Quality Credit Trading Workshop -Mar 4-5
- Susquehanna Greenway Symposium Set - Mar 24
- Sixth Annual PennFuture Watershed Workshop: Advocating Outside the Box - Apr 25
- Working Together to Protect Our Land, Water & Communities Conference - May 7-9
- 5th National Conference for "Achieving Results with Tight Budgets" - May 11-14
- World Environmental & Water Resources Congress - May 17-21
- Nonpoint Source Pollution Conference - May 18-20

WATERSHED TECHNICAL ASSISTANCE...Page 11

- National Water Quality Inventory Report 2004 Now Available On-line
- SRBC'S Comprehensive Plan for Water Resources in the Susquehanna Basin Now Available
- The Magic Number: The EPA's Effluent Guidelines
- Stormwater Pollution: Getting at the Source
- Sediment Control During and After Construction
- Blanket Protection When Water Threatens
- Restoration of Streams and Buffer Zones: Overcoming challenges in MD, IL & OR
- Synergy in Planting - Utilities, local governments, and conservation groups cooperate with vegetation management efforts.
- Request for Applications: Smart Growth Implementation Assistance
- Green Housing: Good for You, Good for the Environment

WATERSHED CONTACTS

COMPREHENSIVE 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

- The Green Alley Handbook
- Sustainable Stormwater – Methods of capture, treatment, and reuse
- Can Stormwater BMPs Remove Bacteria? New findings from the International Stormwater BMP Database
- Revised Guidelines and Application for Sale/Assignment of REAP Tax Credits
- Soil Surveys for PA are Available Online and in Electronic Format
- Watershed Forestry Resource Guide
- Commonwealth of PA: Bulletin Vol. 39

WATERSHED ALLIANCE NEWS

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

<> Jinnie Woodward, Assistant Director, woodwarj@dickinson.edu or 717.245.1021. ALLARM Phone: 717.245.1135 fax: 717.245.1971

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

- Join the growing Chesapeake Watershed Network – www.chesapeakekenetwork.org/profile.htm?mode=getagreement
- 2009 Chesapeake Watershed Forum Friday, October 9 – Sunday, October 11, 2009 (NOTE...This is a change from the previous announcement). National Conservation Training Center, Shepherdstown, WV. More details forthcoming on the Chesapeake Network website www.chesapeakekenetwork.org

<> Contact: Donna Morelli, Director Pennsylvania Office, 3310 Market Street Suite A, Camp Hill, Pennsylvania 17011. Phone: (717) 737-8622 Fax: (717) 737-8650. E-Mail: acbpa@acb-online.org

American Chestnut Foundation – Pennsylvania Chapter – www.acf.org

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

American Rivers – www.americanrivers.org

<> Contact: Sara Dueling, Associate Director, Restoring Rivers Initiative, American Rivers, Pennsylvania Field Office, 355 N. 21st Street, Suite 309, Camp Hill, PA 17011. Phone: 717.763.0741

Brunner Island/Holtwood Nature Preserve – www.pplpreserves.com

- Winter 2009 Environmental Programs – For more information, please call 717-284-6274 or e-mail pplpreserves@pplweb.com.

<> Contact: Karen Ament, Naturalist, Holtwood Environmental Center, 9 New Village Road, Holtwood, PA 17532. Ph: 717-284-6272.

Capital RC&D – www.capitalrcd.org

<> 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/>

- Do You Know Of An ILLEGAL DUMPSITE? http://www.pacleanways.org/enf_mainillegaldumpsurvey.html
- Cleanup tire disposal? Call Mahantango Enterprises in Liverpool (Perry County). They have pick up service. Contact Denise at 717-444-3788.

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

Codorus Creek Improvement Partnership – www.codoruscreek.com

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

Codorus Creek Watershed Association – www.codoruscreek.net

- Apr 13 – CCWA Member and Board meeting, 7:00 pm, at York Water Company's Mt. Rose Ave. Facility
- May 18 – 10th Annual Meeting
- HELP-Buffers Program accepting applications for 2009 projects

<> Contact: Jim Leaman at 843-2929

Codorus Endowment Implementation Committee

- 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

Conoquinet Creek Watershed Association – www.conocreek.org

<> Contact: Gilbert Freedman, 49 Sample Bridge Road, Mechanicsburg, PA 17050. H: 717-697-2513. E-mail: gil491@verizon.net

Conewago Canoe Club – www.conewagocanooclub.org

- Mar 5 – Next meeting of club, 7:00 pm, at Mount Zion United Church of Christ at Ridgewood Road in Pleasureville.
- Check web site for pool schedule and other activities

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

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

Doyle Farm Nursery

Doyle Farm Nursery www.doylefarm.com is pleased to announce our upcoming Open Houses and Garden Talk dates for the 2009 season. This year we will be hosting 3 Open Houses, attending two off-site native plant sales and, as always, shipping our strong and healthy native plants through Mail Order. Please see the Plant List on our website for further information and plant availability. DFN is located in Southern York County, on the west side of the Susquehanna River, near Delta PA. Doyle Farm Nursery specializes in Mid-Atlantic, herbaceous, native plants and is a Mail Order business. We use no chemical sprays and grow all our plants outside, not in greenhouses. Last year, DFN celebrated our 10th year in business. Jacquelin Doyle, owner and main laborer of the nursery, would like to invite everyone to our yearly Open Houses. This is an opportunity to see the type of plants the nursery grows and ships for Mail Order as well as to see the ten acres of farmland that is slowly becoming a habitat for birds, butterflies and other wildlife. The farm also houses geese, peacocks, many cats and one young dog. Our knowledgeable staff will be on hand to answer questions and offer helpful tips. Open House Dates:

- April 24 & 25 Spring Ephemeral Sale Trilliums, woodland phloxes, downy rattlesnake plantain, wild ginger, spring beauties, Dutchman's breeches, squirrel corn, twinleaf, fire pink, foam flowers and more.
- Saturday Garden Talk: 10 AM Ann Bodling "Landscaping with Mid Atlantic Native Plants, Enhancing Biodiversity in your Backyard."
- July 11 Saturday only the Bring Back the Natives 4th Annual Garden Tour. DFN will be selling tickets, along with plants of summer blooming natives and summer specials.
- 10 AM Mary Stuart Sierra of Lower Marlboro Nursery will be teaching a workshop on collecting, storing and sowing native plant seeds. "Sometimes They Come Up. Sometimes You Wish They Wouldn't"
- September 4 & 5 Late Summer Sale Asters, Goldenrods, for sun and shade. Black Cohosh, Gentians, and Lady's Tresses along with ferns and more.
- Saturday Garden Talk: 10 AM Jacquelin Doyle "Mother Planting. Using Mother Nature as your Guide " A tour and talk about planting among the non-native established garden.

For more information, please see doylefarm.com Open Houses/Events or contact us at jld@doylefarm.com. We also provide Gift Certificates which make wonderful birthday, Easter or Mother's Day gifts. Please e-mail us for more information or to request a 2009 catalog. All garden talks and workshop are free. Chairs and canopies are provided. Thank you, -J Doyle

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

- Since 1991, we have been inspiring people to care about the environment by providing experiences that lead them to understand their connection to the natural world. Hours: Monday-Friday, 10:00 am to 3:00 pm
- <> Contact Eden Mill Nature Center, 1617 Eden Mill Road, Pylesville, MD 21132. Phone: 410-836-3050

Friends of Codorus State Park - www.friendsofcodorus.org

<> Contact Codorus State Park, 2600 Smith Station Road, Hanover, PA 17331. (717) 637-2816. Warren Werntz, Manager

Friends of Loch Raven Reservoir - FriendsLochRaven@aol.com

<> Contact: Nate Thompson 410-667-9825 (home) or natect@gmail.com

Greater Hanover Alliance - pwingert@legacycaps.com

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

Gunpowder Valley Conservancy - http://www.gunpowderfalls.org/2006/08/sept_16th_join_.html

- Stream Watch - Karen Stupski phone 410-343-3478 or e-mail Karen@heathcote.org.
- <> Contact Gunpowder Valley Conservancy, P.O. Box 9733, Towson, MD 21284.

Holtwood Preserve - www.pplweb.com/holtwood

- The Holtwood Environmental Preserve provides lakeside recreational opportunities and facilities for camping, hiking, picnicking, boating, sightseeing, fishing and hunting on more than 5,000 acres on both shores of the lower Susquehanna River in Lancaster and York Counties. The Holtwood hydroelectric plant and Lake Aldred demonstrate the successful combination of power generation, recreation, environmental education and land management.
 - WINTER 2009 Environmental Programs - For more information, please call 717-284-6274 or e-mail pplpreserves@pplweb.com. Additional program details can be found on the Calendar of Events at www.pplpreserves.com
- <> Contact: Karen Ament, Naturalist, Holtwood Environmental Center, 9 New Village Road, Holtwood, PA 17532. Ph: 717-284-6272.

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

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

Izaak Walton League York Chapter - www.yorkchapter67iwl.org/

<> Contact Lee Irwin 428-9368

Lancaster-York Heritage Region - www.lyhr.org

<> Contact Mark Platts, Lancaster-York Heritage Region, 1706 Long Level Road, Wrightsville, PA 17368. Office: 717-252-0229. E-mail: info@lyhr.org.

Lower Susquehanna Riverkeeper - www.LowerSusquehannaRiverkeeper.org

<> Contact: Michael Helfrich, Lower Susquehanna RIVERKEEPER®, York, PA. Cell phone: 717-779-7915 E-mail: lowsusriver@hotmail.com.

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

- Congratulations Laura O'Leary –2009 Watershed Hero! For tirelessly leading a collaborative student and community effort to build, maintain and monitor a treatment wetland that helps to reduce nutrient loading to the Bay. Laura epitomizes Bernie Fowler's advice, or admonition? "Never give up; Never, never give up!"
- <> 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

Mid-Atlantic Ecological Landscapes Partnership [MAEscapes] – <http://york.extension.psu.edu/Horticulture/events.html>

- Apr 20 – MAEscapes Advisory Board meets, 6:30 pm, at the York County ANNEX.
- <> Contact: 717-840-7408 or Connie Schmotzer at cxs51@psu.edu

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

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

Prettyboy Watershed Alliance – www.prettyboywatershed.org

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

Richard M Nixon County Park – www.yorkcountyparks.org/parkpages/Nixon.htm

- <> Contact Richard Nixon County Park, Nixon Dr, York, PA 17407. Phone 717-428-1961.

Shenk's Ferry Wildflower Preserve – www.pplweb.com/holtwood/things+to+do/shenks+ferry+wildflower+preserve.htm

- Shenk's Ferry Wildlife Preserve is one of the most impressive wildflower areas in the eastern United States and certainly one of the most popular natural locations in Lancaster County. PPL takes pride in preserving the glen as a wildflower sanctuary. Located just north of Pequea Creek Campground off Shenk's Ferry Road, you can see a variety of spring wildflowers. At least 73 species of flowers bloom from mid-March until the end of May. More than 60 other species of flowers bloom during the summer and fall. Some of the more common flowers include Dutchman's breeches, wild geranium, wild ginger, Virginia bluebells, mayapple, trillium and spring beauty.
- <> Contact: Karen Ament, Naturalist, Holtwood Environmental Center, 9 New Village Road, Holtwood, PA 17532. Ph: 717-284-6272.

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

- Check our calendar of events link to our Website at for more information or call us toll free at 877-554-5080. All programs require advance registration and payment. "Member" rates are offered to our Adventure Club participants (\$25/year/household dues give a 10% in-shop discount, 5% additional discount on sale items, and "Member" rates on all programs).
- <> Contact: Liz Winand at 2092 Long Level Road, Wrightsville, PA 17368. Call: 717-252-1616. Fax: 717-252-0403. Email: shanksmare@comcast.net

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

- <> Kim Anderson at sgfornyc@aol.com.

Spoutwood Farm CSA – www.spoutwood.com

Spoutwood Farm Center, Inc., a 501(c)(3) non-profit educational and community-supported agriculture farm in Glen Rock, PA (southern York County), is seeking highly motivated, highly qualified applicants for the following work-and-learn positions:

- Two (2) Senior Apprentices/CSA Manager Trainees.
- Two (2) CSA Associate Apprentices.
- CSA Interns (number variable).

For all positions, a sense of dedication, commitment, and enthusiasm is essential. So is a sense of humor, and a willingness to adjust/adapt to rapidly changing circumstances and unexpected challenges. Note that all positions involve sometimes hard physical labor, usually outdoors, in a wide range of weather conditions! Willingness and ability to work well with others, including one's fellow apprentices & interns, permanent Spoutwood staff, CSA shareholders, and the general public is vital.

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

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

- Strawberry Hill Nature Preserve is a private nonprofit education and conservation institution located in the beautiful Blue Ridge Mountains of Pennsylvania. Strawberry Hill's mission is to connect our community with the natural world by **teaching**, inspiring, and promoting environmental stewardship. The 609-acre preserve features a variety of habitats to explore, including wet and dry woodlands, three ponds, two pristine mountain streams, and much more. Strawberry Hill's hiking trails are open to the public daily, from dawn to dusk. Our Nature Classroom is open when staff is on site. If you would like to visit our exhibits, please call ahead.
- <> If you have questions, we hope you'll email us info@strawberryhill.org or give us a call at (717) 642-5840. You can also fax us at (717) 642-5803.

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

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

Susquehanna River Basin Commission – www.srbc.net

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

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

- Mar 11 – Chapter meeting, 7:00 pm, Gander Mtn., York.
- <> Contact: Tom Finenze at 840-1372 or tom@codorustu.org

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

- Feb 18 – General Meeting 7:00pm at the Collinsville F&G Club.
- <> Contact: Ron Heuston, President MCTU, 244-1851 or Heuy1955@aol.com

U.S. Geologic Survey – Pennsylvania – <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.

Watershed Alliance of Adams County – www.adamswatersheds.org/pages/5/index.htm

- Feb 18 – Members meet, 4:30 pm. at the Adams County Ag Center, Gettysburg
- <> Contact: Michelle Kirk 717-677-4628 or email at: mkirk@adamswatersheds.org

Watershed Alliance of York – www.watershedsyork.org

- SPRING CLEANUPS!
 - March 21, 9:00 AM to 3:00 PM, Gutt Road, East Manchester Twp.
 - April 25, 9:00 AM to 3:00 PM, Derry Park & Wetlands, West Manchester Twp.
 - Apr 1 – Next 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 and be sure to enter WAY as the charity you want to support.
- <> Contact: Watershed Alliance of York, Inc. (WAY), C/o York County Conservation District, 118 Pleasant Acres Road, York, PA 17402. Phone: (717) 840-7430. Facsimile: (717) 755-0301. E-mail: gpeacock@yorkccd.org

Yellow Breeches Watershed Association – www.ybwa.org

- YBWA meetings listed on web site.
- <> Contact: John Eby, President, at john_eby@lower-allen.pa.us

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

- <> Contact 717-428-3673; liriodendron@netzero.net

YorkCounts - yorkcounts.org

York County - www.york-county.org

- <> Contact the Board of Commissioners, Administrative Center, 28 East Market St. York, PA 17401-1588. Phone: 717-771-9964.

York County Agriculture Land Preserve – www.york-county.gov

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

York County Community Foundation – www.yccf.org

- Please join us in welcoming Bob Newcomer as our Interim President, effective January, 2009. Bob will replace Susan Barry, who is leaving the position this month.
- <> Contact Jane Sload at 717.848.3733 or jsload@yccf.org.

York County Conservation Alliance - www.yorkcountyconservationalliance.org

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

York County Conservation District – www.yorkccd.org

- Mar 13 – District Board of Directors meeting, 11:00 am, at ANNEX
 - GIVE A GIFT THAT KEEPS ON GIVING, HELP A STREAM! Affordable, high quality, pest safe Rain Barrels for sale--60 Gallon \$125 or 80 Gallon \$145. Sales tax included in price. All profits dedicated to funding the HELP-Streams Program of York County.
- <> Contact Mark Kimmel, District Manager, 118 Pleasant Acres Road, York, PA 17402. Phone: 717-840-7430. E-mail Yorkccd@yorkccd.org. Office hours: 8:30 AM-4:30 PM weekdays.

York County Planning Commission – www.ycpc.org

- Mar 3 – Next Meeting of Planning Commission, 7:30 pm, York County Administrative Center, City of York, PA
- <> Contact: 717-771-9870 or e-mail planner@ycpc.org



WATERSHED EDUCATION & OUTREACH

Gov. Rendell Proposes another \$77 Million Cut In Environmental Spending, Loss of 240+ Positions

Gov. Rendell this week proposed his 2009-10 budget and as promised there was "universal pain," including an additional \$55 million cut in environmental spending and the loss of 240 positions from the departments of Environmental Protection and Conservation and Natural Resources. The budget also makes available \$22 million less than last year from the Recycling Fund to support local recycling programs, host municipal inspectors, public education programs and small pollution prevention programs. The proposed cuts are on top of \$207.4 million diverted to balance the current 2008-09 budget-- \$174 million in Marcellus Shale lease funds diverted from DCNR, \$15 million diverted from the Recycling Fund and \$18.4 million in operational budget cuts from DEP and DCNR. If these budget recommendations are adopted in the final budget, a total of \$861 million in environmental funding has been diverted to balance the budget or fund programs that could not find funding on their own over the last seven years. Here are some specifics on several key agency budgets--

- Agriculture
 - \$13.9 million reduction to \$68.1 million In General Fund
 - Overall Budget Cut \$25.7 million, Total - \$226.7 million 2009-10
 - Eliminate 92 positions of 710
 - Cuts:\$466,000 conservation districts
 - 2002-03 Budget - \$274.3 million
- Conservation and Natural Resources
 - \$6.9 million reduction to \$113.4 million in General Fund
 - Overall Budget Cut \$59.6 million, Total - \$344.4 million 2009-10
 - Eliminate 68 positions of 1,408
 - Cuts:\$8.2 million Heritage and Park Grants (zeroed out),\$3.2 million reduction in Keystone Recreation, Parks and Conservation Fund,\$2.3 million infrastructure mapping
 - Increases: \$7.1 million State Forest Operations to offset dramatic reduction in timber sale revenue
 - 2002-03 Budget - \$322.9 million
- Environmental Protection
 - \$18.2 million reduction to \$212.8 million in General Fund
 - Overall Budget Cut \$31.9 million, Total - \$680 million 2009-10
 - Eliminate 172 positions of 3,127
 - Cuts:\$504 million conservation districts,\$22 million Recycling Fund,\$245,000 Chesapeake Bay Agricultural Source Abatement,\$5.1 million in Acid Mine Drainage Abatement Fund (10 percent set aside)
 - 2002-03 Budget - \$728.2 million

Chesapeake Bay Foundation Urges States to Use Federal Stimulus for Green Infrastructure

The Chesapeake Bay Foundation last week wrote to the Governors of Pennsylvania, Maryland and Virginia to use the expected federal stimulus funding to finance green infrastructure that reduces nitrogen and phosphorus discharges from wastewater plants, farm operations and stormwater runoff. CBF President William Baker said, "The currently proposed (federal) package will add \$6 billion to the (Clean Water State Revolving) Fund nationally, with the state match requirement waived and 50 percent of these dollars available in the form of grants. If this number holds with final passage, the six Bay states will receive approximately \$1.3 billion in new dollars. \$504 million for Virginia, Pennsylvania and Maryland (\$122 million, \$237 million and \$145 million, respectively). The (Chesapeake Bay) Executive Council at its 2007 meeting made a commitment to accelerate restoration of the Chesapeake and the rivers which feed it. The federal stimulus package provides a unique opportunity for you to honor that commitment by directing the stimulus package funds each state will receive to pollution reduction projects. You can both stimulate local economies and improve water quality by doing such. Gov. Rendell sits on the Chesapeake Bay Executive Council. Baker pointed to several potential uses of the funding. In Pennsylvania, these stimulus package dollars could, through PennVEST, fund non-point source pollution reduction projects that generate nutrient trading credits. The Commonwealth should promote this nutrient trading opportunity by encouraging and enabling counties and county conservation districts to apply for stimulus package dollars to implement non-point source reduction projects. As with all other states, Pennsylvania should continue to prioritize funding wastewater treatment plant dollars for nitrogen pollution reductions in the Bay's Susquehanna and Potomac River watersheds. The Chesapeake Bay Commission has recently passed a resolution advising Congress of the need to ensure that the stimulus package include dollars for upgrading sewage treatment plants throughout the watershed with nitrogen pollution reduction technologies as well as dollars for restoration projects that protect habitat and reduce farm pollution.

Fish and Boat Commission Presents Annual Report To House Game and Fisheries Committee

Dr. Douglas Austen, Executive Director of the Fish and Boat Commission, this week presented his 2008 Annual Report to the House Game and Fisheries Committee highlighting accomplishments and outlining issues, like funding for the Commission. Dr. Austen highlighted many items in his summary of the annual report, here are a few--

- Economic benefit of fishing in Pennsylvania is estimated to be over \$1.65 billion accounting for nearly 18,000 jobs and generating about \$120 million in state and local taxes. The economic benefit of boating in the state is estimated to be \$1.7 billion.
- The Commission is developing a new 5-year Strategic Plan with the input of outside individuals, including more than 1,100 who recently participated in an electronic survey. Part of the Plan includes the development of a new Trout Management Plan.
- A recent survey of trout anglers found 61 percent release the trout they catch, 93 percent fish in trout-stocked waters at least half the time, 49 percent typically travel no more than 15 miles to trout fish and 84 percent of trout anglers were satisfied with trout fishing in the state.
- Recreational boating accident fatalities were down in 2008 to 8, but lower than the 10-year average of 12.
- The Commission, along with the Department of Conservation and Natural Resources and the Pennsylvania Environmental Council completed a series of regional meetings on fishing and boating access needs and opportunities in support of a Statewide Access Plan for the state which should be released in the coming months.

- The Commission has tripled the number of permit reviews it completes for Marcellus Shale natural gas drilling dealing with its concern about water use by drillers.
- The Commission is working hard to urge anglers to buy licenses every year through its electronic point-of-sale system. A recent survey found that only 10 percent of anglers bought fishing licenses in each of the last five years. The electronic sales system allowed the Commission to identify those who did not by a license and developed a direct mail campaign to target those anglers resulting in an additional 2,500 licenses being purchased— over 11 percent of the target customers.
- The Board of the Commission recently adopted new funding principles it would like to see adopted, among them an annual incremental fishing and boating license system, rather than adopted significant increases every 7-10 years, adding a modes access and habitat fee to the cost of a fishing license and developing special pricing packages for combinations of licenses and stamps.

Dr. Austen noted the Commission owns 16 high hazard dams that are estimated to cost \$74 million to bring into compliance with current standards. A copy of the Commission's 2008 Annual Report is available online at www.fish.state.pa.us.

Delaware Valley Planning Commission Launches Efficient Suburban Growth Program

To advance smart growth in Buck, Chester, Delaware and Montgomery counties and help them become more livable and sustainable in the long term, the Delaware Valley Planning Commission (DVRPC) announced its Efficient Growth for Growing Suburbs (EGGS) program, with \$320,000 in FY 2009 grants to eligible communities for better design, development and coordination of land use with transportation.

Read more... <http://www.smartgrowth.org/news/article.asp?art=6987&state=39>

Performance Standards Bill Would Tie State Funds to Better Local Development Planning

"It's time to hold our public officials accountable for decisions about development," said 1000 Friends of Maryland Executive Director Dru Schmidt-Perkins of Governor Martin O'Malley's legislative proposal to make local governments keep track of various growth indicators, telling Baltimore Sun reporter Tim Wheeler that smart-growth and environmental groups are readying their own bill that would set "performance standards" for local development planning and tie distribution of state funds for counties and municipalities to their compliance with those standards. Read more... <http://www.smartgrowth.org/news/article.asp?art=6984&state=21>

City Parks: When There's Nothing to Conserve – Create!

In new or expanding cities, parks are formed through conservation: saving virgin lands like farms, forests, and ranches. In built-out cities, it's just the opposite: parks themselves are a type of development – and they often serve as the anchor for the old and new buildings around them. When There's Nothing to Conserve – Create! is a publication from the Trust for Public Lands (TPL) that describes how, from Boston to San Francisco, successful parks have been created out of former factories, home sites, office buildings, rail yards, parking lots, landfills, and even highways. With this method of park-building, many city parks aren't being created by park and recreation departments but instead by redevelopment authorities. While park departments are frequently strapped for cash and short of influence, many redevelopment agencies have the money and power to paint large on the urban canvas. Their semiautonomous revenue streams and potent negotiating mechanisms allow some of them to create everything from neighborhood parks to downtown gathering places to riverside promenades to reengineered greenways. 6 pages; available online as a PDF document at the resource link below. Resource:

http://www.tpl.org/content_documents/RedevelopmentAuthorities&Parks.pdf

"Green" Management of Stormwater Runoff Key for Long-Term Water Quality

As communities become environmentally conscious and involved, they modify and reach beyond old development-impact reduction methods to more interlinked, efficient and cost-effective strategies at site, neighborhood and regional levels, writes EPA Development, Community, and Environment Division (DCED) Acting Director Lynn Richards in her "Managing Stormwater Runoff: A Green Infrastructure Approach" paper in the Planning Commissioners Journal (Winter 2009), calling decisions "about where and how our towns, cities and regions grow" the first and perhaps the most important for long-term water quality. Resource: <http://www.smartgrowth.org/news/article.asp?art=6969&state=52>

Building Sustainable Communities

Building Sustainable Communities is the Local Initiatives Support Corporation's (LISC's) plan to help community residents transform distressed neighborhoods into healthy and sustainable communities of choice and opportunity – good places to work, do business and raise children. LISC has outlined five goals for the plan: Developing, preserving, investing in the physical environment; Increasing Family Income and Wealth; Stimulating Economic Activity, Locally and Regionally; Improving Access to Quality Education; and Fostering Livable, Safe and Healthy Environments. LISC combines corporate, government and philanthropic resources to help nonprofit community development corporations revitalize underserved neighborhoods. Since 1980, LISC has raised more than \$8.6 billion to build or rehab nearly 230,000 affordable homes and develop 32 million square feet of retail, community and educational space nationwide. Visit the resource link below to browse current information on LISC's Building Sustainable Communities. Resource: <http://www.lisc.org/sustainable>

Picturing Smart Growth

Cities and towns across the country are embracing smart growth as a better solution to meet the needs of their growing populations. Picturing Smart Growth, a feature on the Natural Resources Defense Council (NRDC) website, offers images of how 70 U.S. communities could apply smart growth principles that accommodate growth and development while saving open space, revitalizing neighborhoods and helping cool the planet. These images take locales from throughout the U.S. and overlay smart growth solutions, providing a visual example of how smart growth principles can enhance help create communities. Cities and towns nationwide are looking for ways to reinvent themselves. Smart growth is a solution that emphasizes neighborhood revitalization over suburban sprawl. See how utilizing smart growth principles could transform these sample communities into vital, thriving places. Read more at the resource link below. Resource:

<http://www.nrdc.org/smartGrowth/visions/>

New Method to Eliminate Ibuprofen from Polluted Waters Using Ultrasound

ScienceDaily (Feb. 12, 2009) — An international team of scientists, including researchers from the University of Barcelona (UB), have developed an ultrasound treatment to remove ibuprofen from waters polluted with this drug. The new method could be used in water purification plants, which would avoid the emission of pharmaceutical pollutants into rivers, lakes, seas and other surface waters. The team of

scientists at the laboratories of the Federal Polytechnic School in Lausanne, Switzerland has developed a novel method for eliminating pharmaceutical products from water. The substance chosen for the study was ibuprofen, as it is one of the drugs that appear with the most frequency in the analyses of waste waters due to its high consumption as an anti-inflammatory and analgesic. "Pharmaceutical compounds are pollutant substances from the moment in which they maintain their pharmacological activity outside the environment for which they were designed", Fabiola Méndez-Arriaga explains to SINC. She is the co-author of the study and a researcher at the Department of Chemical Engineering in the University of Barcelona (UB). The new technique consists of subjecting water polluted with ibuprofen to ultrasonic waves that are generated by a piezoelectric generator, which converts electrical energy into mechanical energy and is located at the bottom of the reaction tank. In this way the drug is totally eliminated. During the application of ultrasonic waves to the polluted liquid a physical and chemical reaction is generated known as "sonolysis", in which water (H₂O) is disassociated in highly oxidant radicals such as hydroxyl (-OH). This radical facilitates the oxidation and breaking down of ibuprofen into other low-molecular mass compounds.

Annapolis Bans Use of Lawn Fertilizer Containing Phosphorus

January 2009 – To help reduce pollution flowing to the Chesapeake Bay, the city of Annapolis, Md., has banned the use and sale of residential lawn fertilizers containing phosphorus. The new fertilizer law is intended to reduce the amount of phosphorus – an algae-forming [nutrient](#) – that enters area waters. Nutrients are the main cause of the Bay's poor health, and residential fertilizer use is a notable source of phosphorus loads to the Bay and its rivers. According to the city of Annapolis, the new law applies to all land located in the city limits and all land owned by the city. City businesses will not be allowed to stock phosphorus-containing lawn fertilizers on their shelves beginning January 1, 2010.

Annapolis is believed to be the first jurisdiction in the Bay watershed to limit the use and sale of residential lawn fertilizer to help restore the Bay. Several states and municipalities in the Great Lakes region have banned phosphorus in lawn fertilizer to help limit pollution to their local waters. Residents throughout the Bay region are encouraged to reduce or eliminate their use of lawn fertilizers to help clean up the Bay and its rivers. Learn more about how you can help the Bay by reducing or eliminating lawn fertilizer use. Resource:

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

Biodiversity in Crops Decreases Fertilizer Damage to Rivers and Lakes

ScienceDaily (Feb. 13, 2009) — Researchers have identified a link between the diversity of crops grown in farmlands and the pollution they create in lakes and rivers. In a *Frontiers in Ecology and the Environment* e-View paper, ecologists show that when the biodiversity of crops is high, less dissolved nitrogen is found exiting the surrounding watersheds.

Nitrogen from agricultural fertilizers leaches through soils to groundwater and runs off into rivers and lakes, increasing aquatic dissolved nitrate. Too much nitrate in the water can lead to prolific growth of aquatic algae, which can use up most of a water body's oxygen when they die and are decomposed, creating "dead zones" that cannot support life.

Whitney Broussard of the University of Louisiana at Lafayette and R. Eugene Turner of Louisiana State University at Baton Rouge compiled data from the past 100 years on watersheds varying in size from the Illinois Cache River basin (400 square miles) to the Mississippi River Basin (more than a million square miles). The researchers compared this watershed data with land-use practices since the early 1900s. The results show that since the beginning of the last century, the average farm size in the United States has doubled and the number of farms has fallen by almost two-thirds. Broussard also says that a shift from farm animals and simple plows to the use of machines to till croplands has changed not only the culture but the environmental impact of farming.

Including Native Perennials in Biofuel Crops Could Keep Watersheds Healthy

ScienceDaily (Feb. 13, 2009) — Field work and computer simulations in Michigan and Wisconsin are helping biofuels researchers understand the basics of getting home-grown energy from the field to consumers. Preliminary results suggest that incorporating native, perennial plants during biofuels production reduces emissions of greenhouse gases, improves water quality and enhances biodiversity. The results are part of an experimental effort to make biofuels economically and environmentally sustainable. "If we can make biofuels sustainable in the Great Lakes region, then we can apply the same methods to make biofuel industries work in other regions," said César Izaurralde of the Joint Global Change Research Institute in College Park, Md. collaboration between the Department of Energy's Pacific Northwest National Laboratory in Richland, Wash., and the University of Maryland. Biofuels based on the food crop corn have come under criticism in recent years for contributing to high food prices and not reducing greenhouse gases enough. Now, researchers of the DOE Great Lakes Bioenergy Research Center are looking beyond food crops to be used as biofuel feedstocks. These "cellulosic biofuels" being studied include a range of herbaceous and woody species, including native prairie grasses. How well these other biofuels will perform against greenhouse gas accumulation depends on the feedstock, how they're grown, how the plant is converted to useful liquids, and where the industry is based. Something as simple as whether the crop needs to be planted every year or takes root can contribute to whether it's an advantage over fossil fuels.

EE Connections February 2009 – An electronic newsletter linking Pennsylvanians with environmental news and information –

- General News - Free Calendar Features Pennsylvanian 'Habitats in Peril' ; Helping Kids and their Families be 'Green' ; National Audubon Awards Projects and Educators in PA ; New Guides Help Communities Create Sustainable Parks; New National Wildlife Refuge Established in Poconos Region
- K-12 News – New Website Touts Fuels for Schools ; Blue Mountain School District Recognized as Energy Star Leader ; GASP's Environmental Advocacy Competition ; PA Game Commission Offers 'Seedlings for Schools' Program
- Higher Education – Degree Program Combines MBA with Environmental Studies ; 'Three Simple Steps to Carbon Neutrality' Webcast ; Smart and Sustainable Campuses Conference
- Professional Development for Educators – Pennsylvania's Biodiversity Workshop at ZooAmerica ; Project WILD Educator Workshop at Olewine Nature Center ; Eagle Educators Teacher Workshop

Resource: www.pcee.org

DIRT! The Movie

Dirt! The Movie is an insightful and timely film that tells the story of the glorious and unappreciated material beneath our feet. One teaspoon of dirt contains a billion organisms working in remarkable balance to maintain and sustain a series of complex, thriving communities that impact our daily lives. Inspired by William Bryant Logan's acclaimed book *Dirt: The Ecstatic Skin of the Earth*, *Dirt! The Movie* takes a

humorous and substantial look into the history and current state of the living organic matter that we come from and will later return to. An eclectic group of participants ranging from biologists to prisoners incarcerated on Rikers Island offer answers to problems and inspire us to clean up the mess that we've created. *Dirt! The Movie* will make you want to get dirty. *Dirt! The Movie* is directed by Bill Benenson and Gene Rosow and produced through Common Ground Media, Inc., a non-profit foundation. View: <http://dirtthemovie.org/>



WATERSHED FINANCIAL ASSISTANCE

NOAA Bay Watershed Education and Training (B-WET) Program – Feb 27

The NOAA California B-WET Program, Adult and Community Watershed Education, is a competitively-based program that supports existing environmental education programs, fosters the growth of new programs, and encourages the development of partnerships among environmental education programs throughout the Monterey Bay watershed. Funded projects provide meaningful watershed education to adults and communities. This includes outcome-based programs that educate citizens about their role in protecting water quality and demonstrate behavioral changes that improve water quality and promote environmental stewardship. Applications are due on February 27, 2009. Resource: <http://www.grants.gov/>

Community Action for a Renewed Environment (CARE) Program – Mar 16

CARE is a unique community-based, community-driven, multimedia demonstration program designed to help communities understand and reduce risks due to toxic pollutants and environmental concerns from all sources. The CARE grant program works with the eligible entities to help their communities form collaborative partnerships, develop an understanding of the many local sources of risk from toxic pollutants and environmental concerns, set priorities, and identify and carry out projects to reduce risks through collaborative action at the local level. An estimated \$3 million is available. Applications are due by March 16, 2009. Resource: http://www.epa.gov/air/grants_funding.html

WREN Announces 2009 Community Watershed Education Grants now available! –Apr 3

The Water Resources Education Network is now accepting applications for its [2009 Community Watershed Education Grants](#) of up to \$5,000. Applications are due April 3. See the terrific projects WREN has already funded to get some creative ideas. Use these ideas to develop your own project - No need to re-invent the wheel! Project activities to take place July 1, 2009 - June 30, 2010. Eligible projects include watershed education projects that build awareness and educate Pennsylvania citizens about their role as environmental stewards to protect, improve, or remediate the watershed from the impacts of polluted runoff, or nonpoint source pollution. WREN gives priority to projects that incorporate social marketing concepts and encourage individual or public policy action that will protect and improve local water resources. Eligible applicants are Pennsylvania partnerships comprised of watershed associations, civic groups, community/public water systems, educational entities such as schools or universities, government entities like cities, townships, boroughs, Environmental Advisory Councils, or municipal authorities, or other governmental or non-governmental organizations. To encourage local leaders to get involved, a municipality is required to be a partner. For more information, visit the [WREN website](#) or call Julie Kollar, WREN Program Director at 267-468-0555 or send email to: juliekwren@verizon.net.

PA DCNR Community Conservation Partnership Grants – Apr 22

The PA Department of Conservation and Natural Resources will award Community Conservation Partnership Grants to municipalities for recreation, park and conservation projects. These include the rehabilitation and development of parks and recreation facilities; acquisition of land for park and conservation purposes; and technical assistance for feasibility studies, trails studies, and site development planning. The deadline for grant applications is April 22. The PADCNR, in partnership with the PA Recreation and Park Society, has scheduled a series of eight grant workshops for the Community Conservation Partnership Grant Program. <http://www.dcnr.state.pa.us/brc/grants/>

USDA Announces Two New Funding Programs and Additional Funds to Conservation Innovation Grants

The Agricultural Water Enhancement Program (offers \$58.4 million in financial assistance for promoting ground and surface water conservation and water quality improvement. The Chesapeake Bay Watershed Initiative, offering \$23 million in 2009, strengthens coordination and cooperation between NRCS and EPA to help agricultural producers improve the environment in the Chesapeake Bay Watershed. Both are part of NRCS' Environmental Quality Incentives Program. USDA also announced \$20 million to inspire innovation through NRCS Conservation Innovation Grants.

Link: Ag Water Enhancement Program www.usda.gov/wps/portal/!ut/p/ s.7 0 A/7 0 10B?contentidonly=true&contentid=2009/01/0012.xml

Link: Chesapeake Bay Watershed Initiative www.usda.gov/wps/portal/!ut/p/ s.7 0 A/7 0 2KD?contentidonly=true&contentid=2009/01/0013.xml

Link: Conservation Innovation Grants http://www.nrcs.usda.gov/news/releases/2009/cig_fy2009_funding.html

New Air Quality Initiative Available for Environmental Quality Incentives Program (EQIP) - 2009

The Natural Resources Conservation Service (NRCS) announced a new Air Quality Initiative for Pennsylvania under the fiscal year 2009 Environmental Quality Incentives Program (EQIP). The EQIP Air Quality Initiative provides both technical and financial assistance to farmers interested in improving the air quality of their operation. The financial assistance can include incentive payments for management activities and cost-share for the installation of certain conservation practices. Applications are accepted by NRCS on a continuous basis throughout the year to evaluate, rank, prioritize and select applicants. There is no due date to apply; however, applications received early will be given preference for funding by the anticipated mid-March cut-off date. Follow the links below for additional information.

Links: [Press Release](#) | [Application Info](#)

\$25 Million Available for PA Wind and Geothermal Projects

The Commonwealth Financing Authority unveiled the Renewable Energy Program that makes \$25 million available to support wind and geothermal projects in PA and offers incentives for companies manufacturing those technologies. Eligible applicants include: businesses, economic development organizations and political subdivisions, including school districts. For more information and program guidelines, visit [NewPA](#) and enter energy in Search box. Program inquiries should be directed to: Department of Community and Economic Development,

Center for Business Financing – Site Development Division, Renewable Energy Program, Commonwealth Keystone Building, 400 North Street, 4th Floor Harrisburg, PA 17120-0225, or by e-mail to ra-dcedcbf@state.pa.us.

ESRI's ArcView GIS software available to U.S. nonprofits with 501(c)(3) designation at reduced cost.

TechSoup (the technology product philanthropy service just for nonprofits) is partnering with ESRI, the GIS (geographic information system) modeling and mapping software folks to make ESRI's ArcView GIS software available to U.S. nonprofits with 501(c)(3) designation at reduced cost. Recipient organizations must be willing and able to provide information to ESRI for the purposes of creating a case study or testimonial on this program. Click below here to learn more about ESRI's ArcView 9.3 software, to learn about restrictions, and to place your request for a \$175 admin fee (the retail value is \$1,842). In addition to the software, this donation from ESRI also includes: two textbooks, an online training course, and one year of product support from ESRI. Resource:

http://www.techsoup.org/stock/Category.asp?catalog_name=TechSoupMain&category_name=ESRI&Page=1&cg=npa&sg=dec1

USDA Rural Development Grants for Small Water Systems

Big projects can cost big bucks, which can mean big problems for small water systems. The U.S. Department of Agriculture has spent years helping small systems pay for those big projects using funding from its Rural Development programs. Is your system eligible for USDA-RD funding? What will you need to apply? In this edition of eBulletin, we'll talk about the USDA-RD loan and grant programs and how your system can apply, what you will be expected to do and how you can improve your chances of getting approval.

http://www.watertrust.org/feature_article.asp?nID=117



WATERSHED FACILITATION ASSISTANCE

Game Commission Launches Third Round Of Deer Management Open Houses

For the third consecutive year, the Game Commission is hitting the road to bring [deer management](#) open houses to communities throughout the Commonwealth. Here's your chance to interact with a deer biologist, or State Game Land manager, or forester. The goal here is to reach out to Pennsylvanians, both figuratively and literally. The Commission hopes that every person who attends an open house can better identify with our deer management program upon leaving. Open houses will be held in six different locations from 10 a.m. to 5 p.m. on a Saturday to maximize the opportunity for those interested in attending, and are being held in different locations than the two previous rounds to afford residents in other areas of the state to attend--

- February 28, from 10 a.m. to 5 p.m. at the Butler City Hunting and Fishing Club, East Butler, Butler County.
- March 7, from 10 a.m. to 5 p.m. at Towanda Rod and Gun Club, near Wysox, Bradford County.
- March 14, from 10 a.m. to 5 p.m. at South Strabane Township Fire Station #2, located at 172 Oak Springs Road, Washington, Washington County.
- March 21, from 10 a.m. to 5 p.m. at Quality Inn, 13015 Ferguson Valley Road, Burnham, Mifflin County.
- March 28, from 10 a.m. to 5 p.m. at U.S. Army Corps of Engineers Ives Run Area Visitor Center (Hammond Dam Facility), Tioga, Tioga County.
- April 4, from 10 a.m. to 5 p.m. at the Delaware Valley College, James Work Gymnasium, 700 E. Butler Ave., Doylestown, Bucks County.

Directions to each open house are available online. Open houses are used by the agency as an interactive public outreach tool that employs multimedia presentations, exhibits and wildlife managers to bring both the nuts-and-bolts and finer details of deer management to hunters, farmers and others whose lives are influenced by deer. These deer management open houses and the outreach information available at them were developed by a Deer Communications Working Group, which was created in 2007 to improve the agency's efforts to explain deer management – and the need for it – to Pennsylvanians. For more information, visit the Game Commission's Deer Management Program webpage at <http://www.pgc.state.pa.us/pgc/cwp/browse.asp?a=465&bc=0&c=70124>.

Opening the Mapping Toolbox: Putting GIS to Work for You – Mar 3-4

Please join us for CVI's Opening the Mapping Toolbox: Putting GIS to Work for You, CVI's intermediate GIS Workshop. The workshop is March 3-4, 2009 at Canaan Valley Resort, near Davis, West Virginia. Participants in this workshop will gain knowledge of how GIS is used in planning, decision making, stream restoration purposes, and other applications. Participants will also learn how to perform analyses on digital data and produce maps for internal use, public information dissemination, or other applications. For more information or to register, please visit CVI's Intermediate GIS Workshop at http://www.canaanvi.org/canaanvi_web/events_ed.aspx?collection=cvi_workshops&id=807

Register Now for Water Quality Credit Trading Workshop – Mar 4-5

Together with its partners, Environmental Trading Network, the International Certified Crop Advisers, the Water Environment Federation, and the Maryland Departments of Agriculture and the Environment, Conservation Technology Information Center will host this interactive event at Chesapeake College to complement Maryland's public outreach on its newly developed nonpoint-source trading program. WHEN: March 4 and 5, 2009. WHERE: Chesapeake College Higher Education Center, Wye Mills, MD. 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. Workshop planners hope to increase awareness of water quality trading in Maryland, 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 MDE and MDA program representatives, water quality trading policy and program 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 trading specifically geared to Maryland's nonpoint source trading policy. The training will include breakout sessions to give participants specific skills to develop or participate in the Maryland trading program. Case studies from other states will be highlighted so participants can learn from existing trading programs. View the agenda [here](#). For more information or to register for the workshop please [CLICK HERE](#) or contact CTIC at 765-494-9555 or ctic@conservationinformation.org.

Susquehanna Greenway Symposium Set - Mar 24

The Susquehanna Greenway Partnership will hold the Susquehanna Greenway Symposium- Unveiling the Stories of the Susquehanna on March 24 at the Hill Banquet Facility in Shamokin Dam, Pa. The Symposium will reveal new opportunities to identify and develop heritage, recreation and cultural assets along Pennsylvania's longest river. The Susquehanna River corridor is an American treasure reflecting the unique places and people that comprise the Pennsylvania heartland. The Greenway celebrates the Susquehanna River as a place of timeless value, shared memories and experiences – a place to use and enjoy and to treasure always. Come learn about the real economic potential of enhancing the tourism assets and unveiling the stories of the Susquehanna through the recommendations of the just released Susquehanna Greenway Master Interpretive Plan. For more information visit the Susquehanna Greenway Partnership website at <http://www.susquehannagreenway.org/greenway/site/default.asp>.

Sixth Annual PennFuture Watershed Workshop: Advocating Outside the Box – Apr 25

Brandywine River Museum, Saturday, April 25, 2009, from 8:30 a.m. to 4:00 p.m., at the Brandywine River Museum in Chadds Ford. For too long we have approached water quality protection the same old way with the same old solutions. Not anymore. It is time to start thinking outside the box about effective advocacy and creative solutions to solve ongoing problems. Register today to attend PennFuture's sixth annual watershed workshop and start advocating outside the box. Hear from leading environmental professionals and attorneys about the legal tools available to address local stormwater and wastewater management, and learn more effective ways to participate in the decision-making process. This workshop will give grassroots watershed groups, conservancies, municipal government officials, and volunteers the insight necessary to make a strategic difference in water quality protection. Speakers:

- Steven Hann, attorney at Hamburg, Rubin, Mullin, Maxwell & Lupin, will review local stormwater management and the role of stormwater authorities;
- Tom Kelso, president of Castle Valley Consultants, Inc. , will discuss decentralized wastewater management;
- Barry Lewis, executive director of GreenTreks Network, Inc., will highlight innovative stormwater projects in the Commonwealth;
- PennFuture's own Brian Glass, staff attorney, will discuss Strategic Lawsuits Against Public Participation (SLAPP suits); and
- Presentations from the Brandywine Conservancy.

The cost of the workshop is FREE to PennFuture members; \$10 for non-members. A light breakfast, lunch and all materials are included. Space is limited and registration is required by Friday, April 17, 2009; register online today or by calling 717-214-7920. Resource: www.pennfuture.org

Working Together to Protect Our Land, Water & Communities Conference – May 7-9

The Chesapeake Bay Foundation (CBF) and the Pennsylvania Land Trust Association (PALTA) are joining forces for 2009, merging PALTA's annual PA Land Conservation Conference and CBF's Biennial Confluence Conference to offer a joint event that focuses on both land and water conservation. Registration is now open for Working Together to Protect Our Land, Water & Communities, May 7-9, 2009, at the Penn Stater Conference Center. Please visit us online at www.landandwater.org.

5th National Conference for Nonpoint Source and Stormwater Outreach: "Achieving Results with Tight Budgets" – May 11-14

May 11-14, 2009. Portland, Oregon. The 5th National Conference for Nonpoint Source and Stormwater Outreach will provide practitioners from around the country the opportunity to learn and share ideas on developing and implementing nonpoint source and stormwater outreach strategies that produce positive, measurable outcomes, comply with NPDES requirements, and can be successfully implemented with modest budgets. The conference will serve local, regional, state and federal professionals tasked with educating various audiences on nonpoint source pollution, stormwater pollution, watershed protection and promoting sustainable behavior changes in challenging economic times. Resource: <http://www.epa.gov/nps/outreach2009/index.html>

World Environmental & Water Resources Congress – May 17-21

May 17-21, 2009. Kansas City, MO. Organized by EWRI and ASCE, this Congress' central theme is the great rivers of the world and the engineering challenges of balancing environmental and development issues while achieving a sustainable future. It is imperative that those working on the front lines - at the environmental/water engineering nexus - share insights from research and practical experience in the field to generate best practices for the future on issues such as river system management, environmental issues, watershed management and restoration, dam safety, hydraulic structures, and so much more. Resource: <http://content.asce.org/conferences/ewri2009/index.html>

Nonpoint Source Pollution Conference - May 18-20

May 18-20, 2009. Portland, ME. Organized by New England Interstate Water Pollution Control Commission. The three-day conference brings together all those in New England and New York State involved in NPS pollution management, including participants from state, federal, and municipal governments, private sector, academia, and watershed organizations. Resource: <http://www.neiwppcc.org/npsconference/>



WATERSHED TECHNICAL ASSISTANCE

National Water Quality Inventory Report 2004 Now Available On-line

This report summarizes water quality assessments submitted by the states to EPA under Section 305(b) of the Clean Water Act. Forty-four percent of assessed river and stream miles, 64 percent of assessed lake acres, and 30 percent of assessed estuary square miles were found to be impaired for one or more of the uses designated for them by the states. Leading causes of impairment included pathogens, mercury, nutrients, and organic enrichment/low dissolved oxygen. Top sources of impairment included atmospheric deposition, agriculture, hydrologic modifications, and unknown or unspecified sources. This report is a companion to electronically-submitted state water quality information available on EPA's Web site, known as ATTAINS. In addition to viewing the national summary and information by state at this Web site, users

can click down to the individual waterbody level to find out more about water quality conditions. Resource: <http://www.epa.gov/owow/305b/2004report/>

SRBC'S Revised Comprehensive Plan for Water Resources in the Susquehanna Basin Now Available

HARRISBURG (Feb. 6) – The Susquehanna River Basin Commission's (SRBC) revised Comprehensive Plan for the Water Resources of the Susquehanna River Basin, as adopted on Dec. 4, 2008, is now available on the Web site at www.srbc.net/planning/compplanfiles.asp. SRBC is required to have a comprehensive plan to manage and develop the Susquehanna basin's water resources and guide SRBC's programs and activities.

The Magic Number: The EPA's Effluent Guidelines

Most of us who will be affected by the EPA's proposed effluent limitation guidelines are probably at least somewhat familiar with them and—pleased or irate—have debated their implications. The guidelines, officially “Effluent Limitations Guidelines and Standards for the Construction and Development Point Source Category,” were published in the Federal Register in November; the 90-day public comment period ends on February 26. The guidelines are intended to tighten the controls on discharges from construction sites by establishing technology-based effluent limits and performance standards. This can be achieved through the use of erosion and sediment control best management practices—as it is done now, in most places—but the document also contains some provisions lacking from most existing state and local regulations. Read more... <http://www.erosioncontrol.com/march-april-2009/epa-effluent-guidelines.aspx>

Stormwater Pollution: Getting at the Source

Now that MS4 (municipal separate storm sewer system) programs have become a major legal and financial concern for municipal public works directors throughout the country, it is time to reevaluate the role of source reduction, also known as pollution prevention. Greater emphasis on source reduction has the potential to improve reliability, reduce costs, improve equitability, and reduce liabilities of MS4 programs. When Phase II of the MS4 program—or the National Pollutant Discharge Elimination System (NPDES)—was started, it was natural to rely primarily on end-of-pipe treatments. Our national experience with the Clean Water Act showed that treatment of municipal and industrial wastes could be highly effective. From 1968 to 1996, expansion of municipal wastewater treatment plants reduced the amount of biochemical oxygen demand (BOD) entering the nation's rivers by 45%, even with a growing urban population, resulting in greatly improved oxygen concentrations downstream of major cities (USEPA 2000). If the construction of end-of-pipe treatment worked so well with municipal sewage, shouldn't it work with urban stormwater? Read more... <http://www.stormh2o.com/november-december-2007/bmps-ms4-pollution.aspx>.

Sediment Control During and After Construction

After the National Pollutant Discharge Elimination System (NPDES) Phase II went into effect in 2003, sediment control on construction sites became a priority. Hefty fines can be levied against sites releasing sediment; Phase II applies to construction sites of between 1 and 5 acres, smaller than the 5-acres-and-larger sites covered under Phase I. Contractors, engineers, and installers around the country are searching for the right mix of products for sediment control on job sites. Many factors come into play: cost, ease of installation and maintenance, durability, and performance. Some best management practices (BMPs) are used during construction to prevent polluted runoff from leaving a site. Others are more permanent, intended to control post-construction runoff. A multitude of products exist for each application. Examples from around the country may point you in the right direction for your project. Temporary sediment control products need to be able to handle heavy sediment loads coming from cleared land and heavy truck and foot traffic. Temporary does not mean cheap, but fines for noncompliance during the construction phase can cost much more. Read more... <http://www.erosioncontrol.com/march-april-2009/drain-inlet-protection.aspx>.

Blanket Protection When Water Threatens

It's usually a smart decision to work with nature when you need to overcome the challenges she presents. When you're working to revegetate an area, you just can't always assume nature is willing to work with you. Erosion control blankets and turf reinforcement mats can be the solution in these instances, balancing a natural look with the strong sediment control you need. Turf reinforcement mats can provide stable, long-term anchors for plants that are necessary where there are steep slopes or increased shear stresses from water flow. While they often contain geosynthetic materials, they work with natural vegetation and can blend permanently into a living environment. Erosion control blankets can provide short-term or long-term erosion protection in a variety of areas, including high-flow areas such as swales and channels. They can also be made from biodegradable materials, which break down as vegetative roots mature. Environmental professionals in a variety of states shared the ways they've used erosion control blankets and turf reinforcement mats to meet the revegetation and sediment control challenges that arose on sites that had different goals and erosion control solutions, but shared the same threat: the steady onset of water flow threatening the stability of their project. Read more... <http://www.erosioncontrol.com/march-april-2009/blankets-mats-recps.aspx>

Restoration of Streams and Buffer Zones: Overcoming challenges in Maryland, Illinois, and Oregon

Through the years, streams have been encased in concrete, dammed, widened, straightened, and rerouted. Their buffer zones—the no-man's land between streams and developed land—has been drained, developed, and otherwise destroyed. All these practices have led to flooding, erosion, and water-quality problems. When restoring streams, it's important for a number of reasons to restore their buffer zones as well. First, vegetative buffer zones, planted with native trees, shrubs, and perennials, create a spatial buffer to protect streams from being impacted by nearby residents or development. In agricultural areas, they create a physical barrier to protect streams from being trampled by farm animals. Buffer zones also filter stormwater runoff and prevent erosion. They reduce the amount of nutrients, such as fertilizer and pet waste, carried to streams by either groundwater or surface water. They provide habitat for native birds, butterflies, and small animals. And the ones on public land can give community members breathing space, too. Communities faced with restoring their streams and buffer zones often face a daunting task. The following three projects are examples of how skill, creativity, cooperation, and tenacity restored their beauty as well as their functionality. Read more... <http://www.stormh2o.com/march-april-2008/restoration-streams-buffer.aspx>.

Synergy in Planting - Utilities, local governments, and conservation groups cooperate with vegetation management efforts.

The Metropark complex consists of a ring of 13 parks located along Michigan's Huron and Clinton Rivers, forming a greenbelt around the Detroit metropolitan area. One of these Metropark facilities is known as Stony Creek, comprising 4,461 acres of scenic, hilly terrain, in addition to prairies and swamps. Within the park is the 500-acre Stony Creek Lake; miles of trails for mountain biking, hiking, jogging, inline skating, and bicycling; snowboarding and sledding hills; two beaches; a nature center; an 18-hole golf course; and considerably more. Wildlife, such as osprey, wild turkeys, and deer, are found in the park as well. Also in the park are high-powered transmission lines belonging to ITC Holdings, an independent electric transmission company. That's where Rick Johnstone comes in. He is the owner of Vegetation Management with Environmental Stewardship LLC, as well as the president of Integrated Vegetation Management Partners (IVM Partners). IVM Partners is a nonprofit corporation acting as a liaison among industry, public agencies, conservation groups, and academia to promote best vegetation management practices. The group works to resolve vegetation management problems, control invasive weeds, and improve wildlife habitat. Johnstone notes that when a local power utility has equipment within park boundaries, as in Stony Creek Metropark, the utility may have one set of needs from a vegetation management standpoint, while the park has different priorities. For example, the utility company might not be particularly concerned about small weeds because they won't grow tall enough to be troublesome to power lines. But park personnel may well want even these small weeds to be controlled. Johnstone has found, however, that often the two entities can work smoothly together to form a nice synergy. The park might work to accommodate the needs of the utility, and the utility in turn might go beyond its own requirements to facilitate those of the park. Read more... <http://www.erosioncontrol.com/march-april-2009/vegetation-management-utilities.aspx>

Request for Applications: Smart Growth Implementation Assistance

Free technical assistance available! Smart Growth Implementation Assistance 2009 Request for Applications The Development, Community, and Environment Division in EPA's Office of Policy, Economics, and Innovation is seeking applications for technical assistance from communities that want to incorporate smart growth in their future development to meet environmental and other community goals. Eligible entities are tribal, local, regional, and state governments, and nonprofit organizations that have a demonstrated partnership with a governmental entity. Applications are due at 5:00 pm EST, April 23, 2009. EPA has identified some key areas in which communities are likely to benefit from technical assistance:

- Climate change (both mitigation of and adaptation to)
- Green job development
- Corridor redevelopment
- Green building development
- Suburban retrofitting
- Disaster resiliency

Proposals are not limited to requests for technical assistance in only these thematic areas; other topics for assistance are welcome and encouraged, provided they demonstrate cutting-edge challenges and the possibility of replicable solutions. EPA is soliciting applications for assistance with either policy analysis or public participatory processes. The type of work may incorporate policy analysis and review, planning and visioning processes, scorecard/ranking criteria development and assessment, and/or other elements pertinent to the role of the applicant. Selected communities or states will receive assistance in the form of a multi-day visit from a team of experts organized by EPA and other national partners to work with local leaders. EPA plans to assist three to five communities over a period of twelve months. The Agency anticipates announcing the selected communities in fall of 2009. For more information and application materials, visit http://epa.gov/smartgrowth/2009_sgja_rfa.htm.

Green Housing: Good for You, Good for the Environment

Learn about some very important planning, design and energy considerations when building green housing, from the Massachusetts Smart Growth/Smart Energy presentation Green Housing: Good for You, Good for the Environment. The session objectives from this PowerPoint presentation, created by the Massachusetts Technology Collaborative (MTC) for its December 2007 Smart Energy Conference, include

- Challenge current thinking about neighborhood development, building construction, and lifestyle practices
 - Share current considerations when building green housing
 - Provide real-life transferable strategies to make your town, neighborhood, and buildings healthier for the occupants, and the planet
- The MTC's Green Affordable Housing Initiative aims to catalyze the affordable housing financing, development, and builder communities to include more green design and renewable energy in future developments. 85 pages (10.5mb); available online as a PDF document at the resource link below. Resource: http://www.masstech.org/renewableenergy/green_housing/gahi/SmartGrowth-SmartEnergyPresentation.pdf

The Green Alley Handbook

The Chicago Green Alley Handbook is a manual promoting the City's use of best management practices within public alleyways. The handbook outlines sustainable techniques that adjacent property owners can implement on their own commercial, industrial, and residential properties. Crafted with a clear and transferable message, it serves as a model to create greener, environmentally sustainable urban places. With approximately 1,900 miles of public alleys, Chicago has one of the most extensive and important pieces of infrastructure of any city in the world. Because the alleys were originally unpaved, there was no need for drainage structures or connection to the sewer system. Rainwater simply drained through the gravel or cinder surfacing. Over time, the majority of alleys were paved over with concrete and asphalt paving, translating into 3,500 acres of paved impermeable surface. As a consequence of this, flooding became a problem in many alleys. Green alleys incorporate a variety of characteristics:

- Permeable pavements (asphalt, concrete or pavers) that allow stormwater to filter through the pavement and drain into the ground, instead of collecting on hard surfaces or draining into the sewer system. The pavement can be used on the full width of an alley, or simply in a center trench.
- Open bottom catch basins—installed in alleys to capture water and funnel it into the ground
- High-albedo pavement, a lighter-colored surface that reflects sunlight instead of absorbing it, helping reduce the urban heat island effect
- Recycled materials, such as concrete aggregate, slag and recycled tire rubber

Other green alley techniques include using proper grading and pitch to facilitate drainage, and using dark sky-compliant light fixtures to reduce light pollution and provide uniform illumination. Read more at the resource link below.

Resource: http://egov.cityofchicago.org/webportal/COCWebPortal/COC_EDITORIAL/GreenAlleyHandbook.pdf

Sustainable Stormwater – Methods of capture, treatment, and reuse

When it comes to stormwater capture, treatment, and reuse, developer John Wesley Miller is quite sensitive to the need for reusing every drop of water he can in his home designs. Miller has developed two zero-energy homes featuring rainwater-harvesting systems in the arid desert of Tucson, AZ. And, while water conservation is a selling point for homebuyers, most don't understand anything about stormwater, Miller says. Miller represents a host of developers incorporating an increasing number of sustainable stormwater designs into their developments. Some are in response to government requirements to do so for publicly funded buildings. Others seek to accommodate clients requesting more "green" features in their homes. And many companies constructing new buildings are responding to an increase in standards focusing on a slate of green products and designs, including stormwater. Among the major considerations in sustainable stormwater design: cost, space, location, maintenance, and regulations. Leadership in Energy and Environmental Design (LEED) for Homes and the National Association of Home Builders' (NAHB) respective development standards will mean that builders who wish to attain certain certification levels must consider how they will design the landscape for stormwater runoff and treatment. Retaining stormwater onsite for irrigation use, for example, helps save domestic water use and costs. Read more... <http://www.stormh2o.com/july-august-2008/sustainable-reuse-harvesting.aspx>

Can Stormwater BMPs Remove Bacteria? New findings from the International Stormwater BMP Database

Many communities throughout the United States are faced with total maximum daily loads (TMDLs) for bacteria, typically for either E. coli or fecal coliform. For local governments responsible for National Pollutant Discharge Elimination System (NPDES) municipal separate storm sewer system (MS4) permits, this issue can be particularly challenging, and many questions arise with regard to whether stormwater best management practices (BMPs) can reduce bacteria in stormwater runoff. For over a decade, the International Stormwater BMP Database project has been steadily collecting performance data for a broad array of BMPs, with more than 340 BMPs now included in the database. Although not all BMP studies in the database are monitored for bacteria, a data set now exists with approximately 600 pairs of influent and effluent bacteria data. This article provides a brief background regarding bacteria in urban runoff, summarizes the bacteria data available in the BMP database, provides analysis results, and suggests how these findings may affect the selection and design of BMPs to assist in meeting TMDL goals. The underlying data set used in this analysis can be downloaded from the BMP database Web site at www.bmpdatabase.org. Read more... <http://www.stormh2o.com/may-2008/bacterial-research-bmps.aspx>

Revised Guidelines and Application for Sale/Assignment of REAP Tax Credits

The State Conservation Commission approved revised guidelines and application for sale/assignment of REAP tax credits. This document replaces previous guidelines issued by the Commission earlier this year. Copies of these guidelines and applications will be mailed to all approved REAP applicants and posted on the REAP web site. Link: Revised guidelines and application <http://www.pacd.org/fp/REAP09.pdf>. Contact: [Mary Bender](mailto:Mary.Bender@pacd.org) by e-mail or phone at 717-787-8821

Soil Surveys for PA are Available Online and in Electronic Format

Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. Follow the link below for more detailed information. Link: Soil Surveys <http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>.

Watershed Forestry Resource Guide

The Watershed Forestry Resource Guide was created through a partnership of the Center for Watershed Protection and the US Forest Service. This Website is a central clearinghouse for all things related to forests and watersheds. There have been many recent efforts towards managing urban forests for watershed health that have resulted in a variety of highly useful tools and training materials. Information is organized into four major categories: forest planning and assessment, reducing stormwater runoff, forest friendly development and planting and maintaining trees. This site compiles these resources into a format that can be easily accessed and downloaded. Resource: <http://www.forestsforwatersheds.org/>

Commonwealth of PA: Bulletin Vol. 39

[Volume 39, Number 6](#)

Saturday, February 7, 2009

Pages 663-820

[Volume 39, Number 7](#)

Saturday, February 14, 2009

Pages 821-974

